

BOOK DEGLI ALLEGATI



POLITECNICO
MILANO 1863

Scuola di Architettura, Urbanistica e Ingegneria delle Costruzioni
Corso di Laurea Magistrale in Ingegneria Edile - Architettura

Anno Accademico 2022 - 2023



HEXALOOOP

STUDIO E APPLICAZIONE DI FACCIATA ADATTIVA PER UNA NUOVA ARENA
POLIFUNZIONALE NEL XVIII ARRONDISSEMENT A PARIGI

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Giulio Zani

I

IL CONTESTO

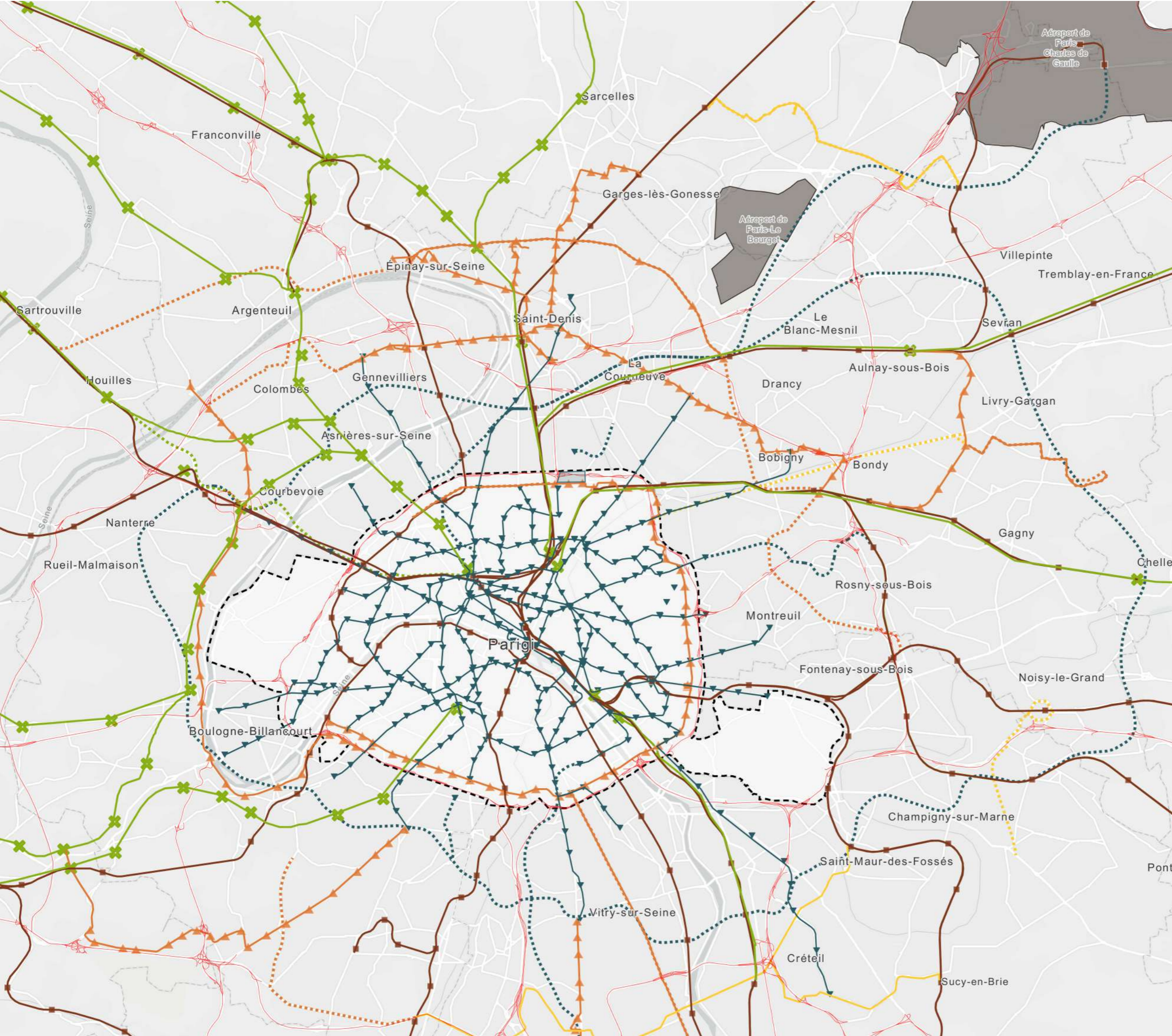


Premessa

Lo studio del contesto territoriale parigino ha permesso di estrapolare differenti elementi utili per ideare le soluzioni progettuali. L'emergere di criticità e potenzialità del contesto territoriale è alla base della definizione delle istanze di progetto, a partire dall'esistente tessuto urbano, reti della mobilità e configurazione di spazio pubblico della città. Inoltre, la definizione delle trasformazioni urbane in atto al suo interno permette di visualizzare e guidare le operazioni di sviluppo. L'avvento delle Olimpiadi e Paraolimpiadi 2024 è uno dei motori della trasformazione. Focalizzando poi l'attenzione sul XVIII arrondissement vengono considerate le peculiarità che caratterizzano la realtà parigina, in modo da conoscere la realtà in cui si inserisce la ZAC Gare des Mines-Filletes.

INDICE

MOBILITÀ	01
GIOCHI OLIMPICI 2024	02
VERDE, MOBILITÀ LENTA E IMPIANTI SPORTIVI	03
MOBILITÀ, SERVIZI E CITTÀ DEI 15 MINUTI	04
POPOLAZIONE	05
CARTA DELLE RISORSE	06
CARTA DEI LIMITI	07
PIANI DI ZONA	08
ZAC	08
LINEE GUIDA PER SVILUPPO E PROGRAMMAZIONE	09
CLIMA E INQUINAMENTO	10



LEGENDA

- Confine Parigi
- Gare des Mines - Fillettes

MOBILITÀ

- Aeroporto
- Autostrada
- Treno
- Tram
- Réseau express régional
- Metro
- Bus

Stazioni

- ✕ Treno
- ▲ Tram
- Réseau express régional
- ▼ Metro

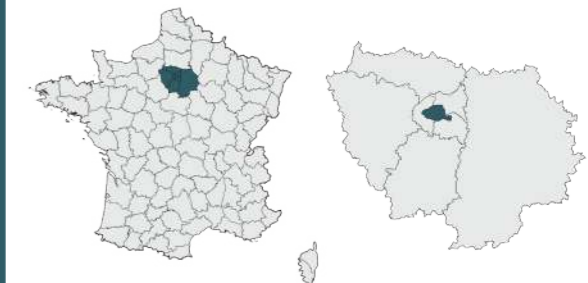
In progetto

- ⋯ Treno
- ⋯ Tram
- ⋯ Metro
- ⋯ Bus



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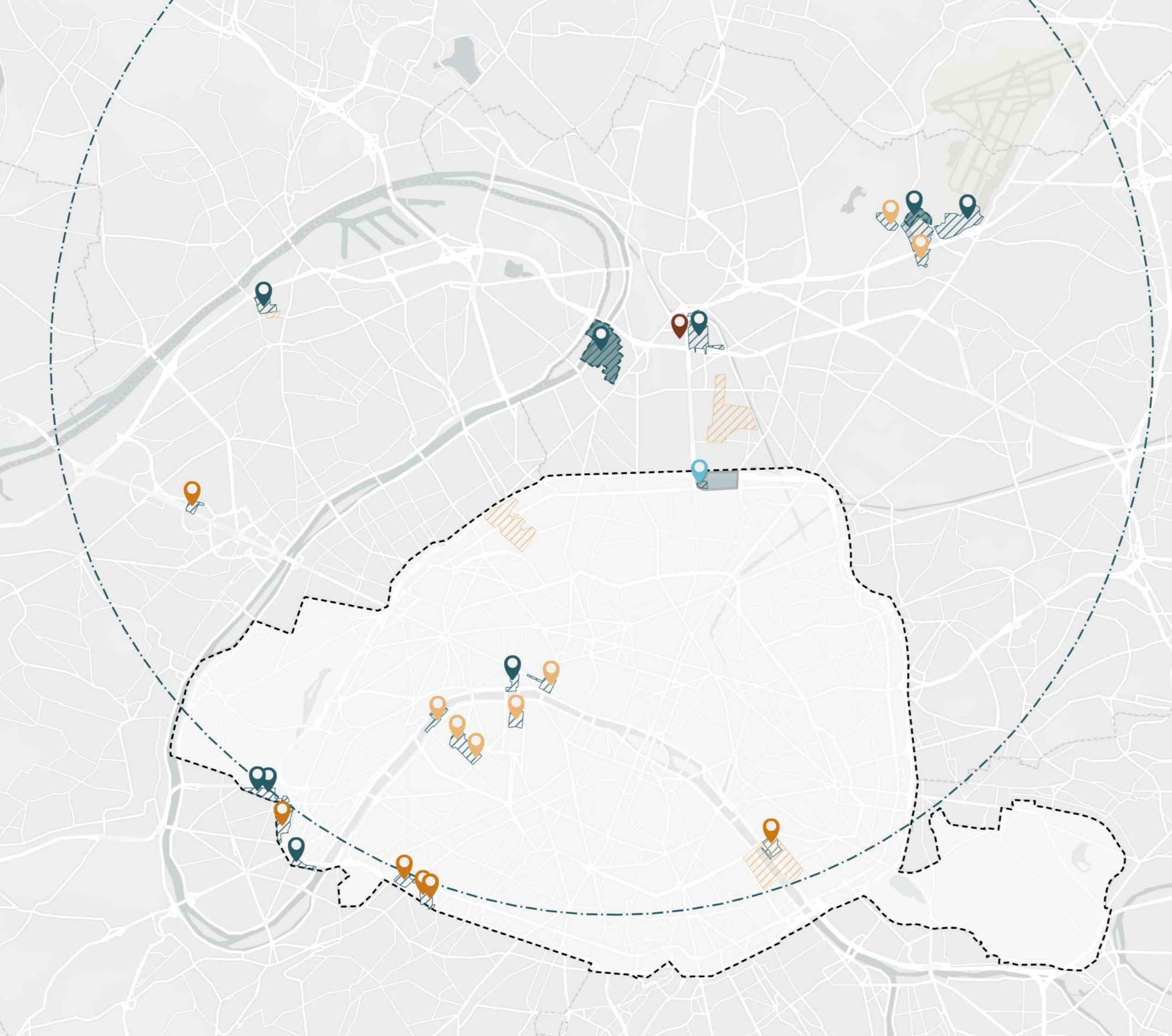
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01 MOBILITÀ



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

- Confine Parigi
- Gare des Mines - Fillettes
- Villaggio Olimpico 2024
- Villaggio Olimpico 1924
- 10 km dal villaggio olimpico

SITI SVOLGIMENTO MANIFESTAZIONE

- Classificazione*
- Esistenti, lavori permanenti necessari
 - Esistenti, lavori permanenti non necessari
 - Temporanei
 - Pianificati
 - Aggiuntivi

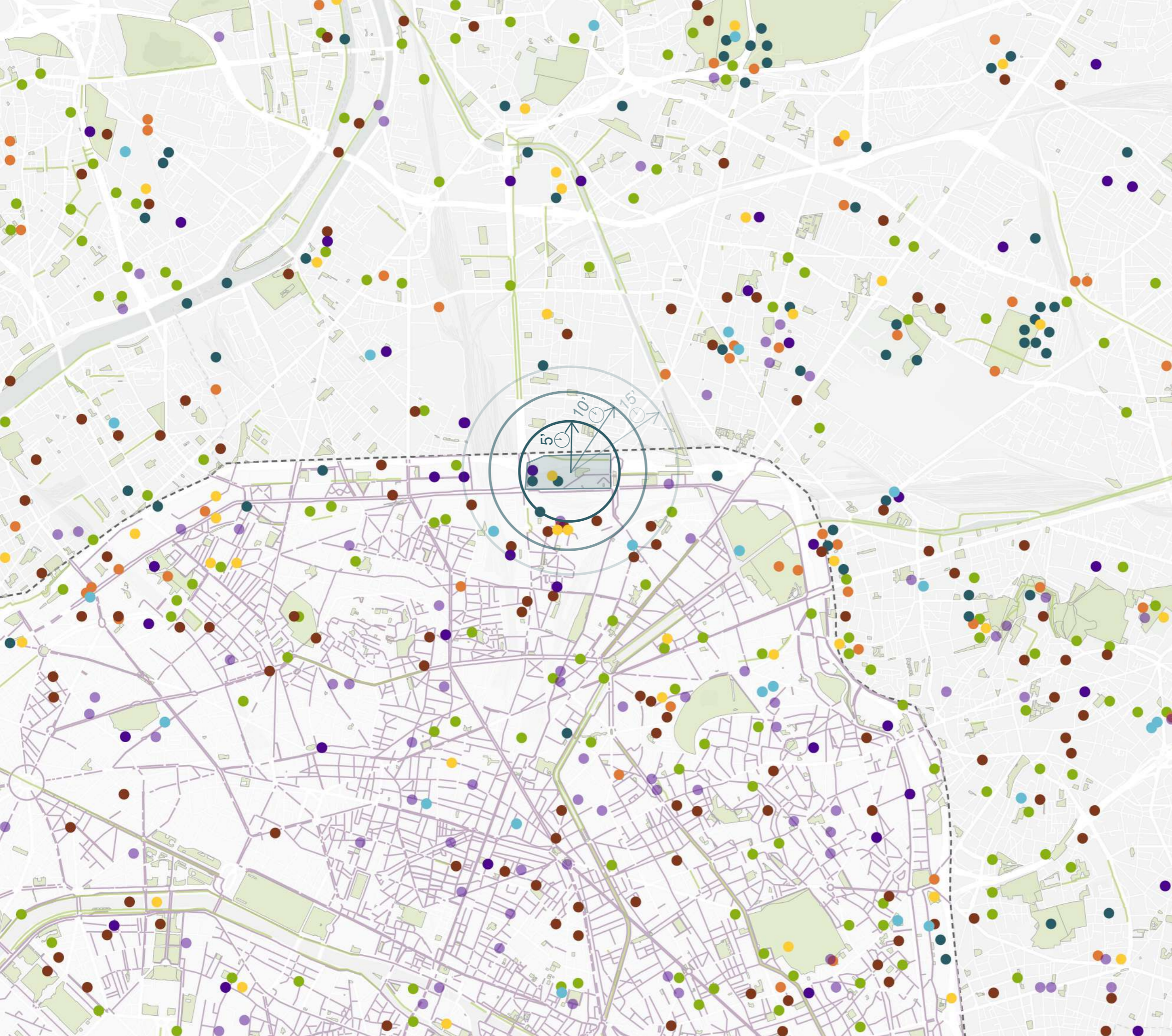


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02 GIOCHI OLIMPICI 2024



LEGENDA

- Confine Parigi
- ☐ Gare des Mines - Fillettes

- MOBILITÀ**
- Ciclabile

- SPAZI VERDI**
- Percorso verde
 - ▭ Verde e parco regionale

- SPAZI PER LE ATTIVITÀ SPORTIVE**
- Campetto per sport di squadra
 - Grande impianto per sport di squadra
 - Campo da tennis
 - Sala multisport
 - Sport a corpo libero
 - Sport di combattimento
 - Campo di atletica
 - Piscina



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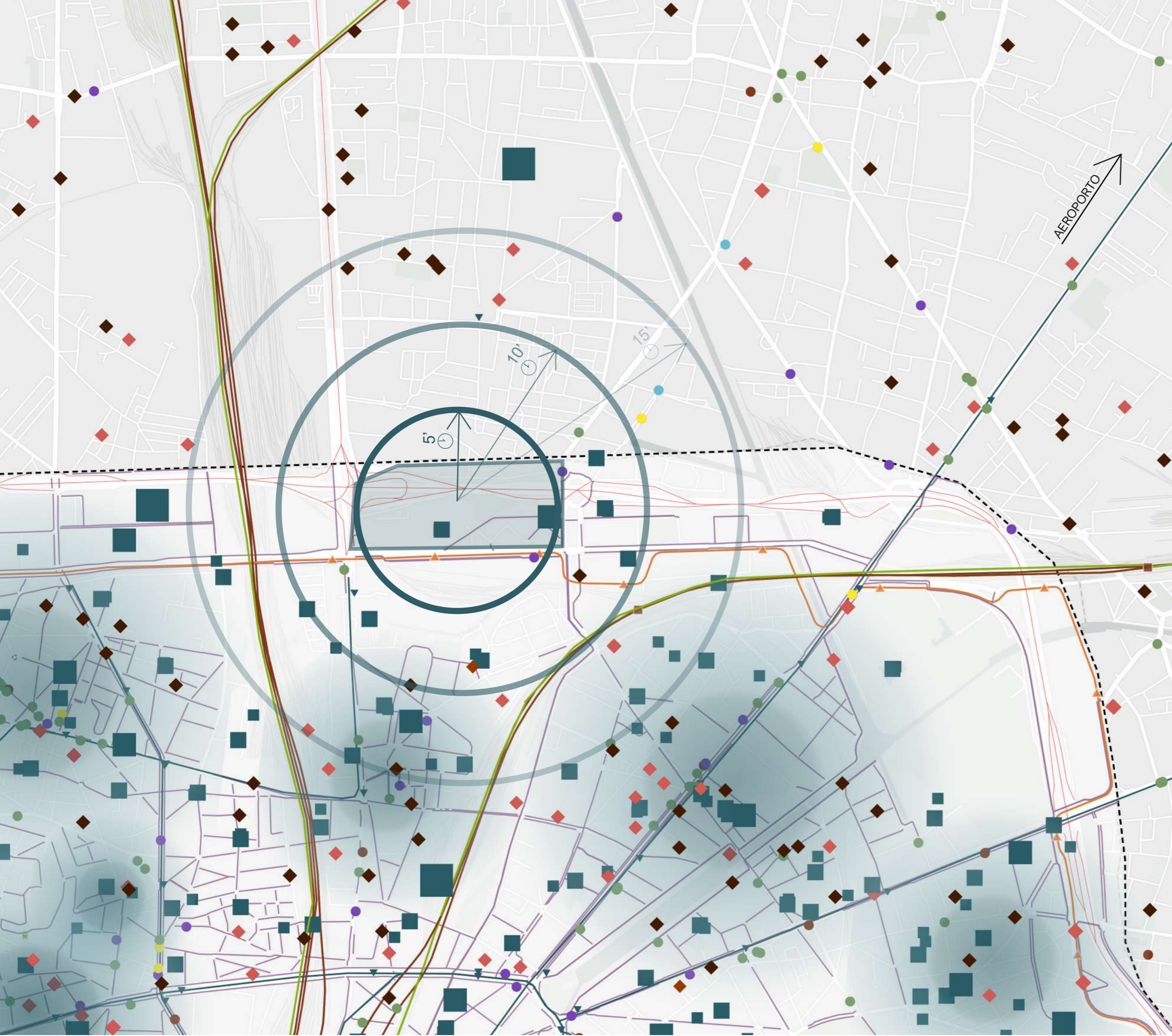
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03 VERDE, MOBILITÀ LENTA E IMPIANTI SPORTIVI



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

- Confine Parigi
- Gare des Mines - Fillettes

MOBILITÀ

- Autostrada
- Treno
- Tram
- RER
- Metro
- Ciclabile

Stazioni

- ▲ Tram
- RER
- ▼ Metro

CENTRI DI EDUCAZIONE

- Scuola materna
- Scuola elementare
- Scuola superiore
- Università

STRUTTURE ACCOGLIENZA TURISTI

- ◆ Hotel
- ◆ Ostello
- ◆ Appartamento/casa in affitto

SPAZI COMMERCIALI

- Alimentari
- Attrezzatura sportiva
- Attrezzatura per la casa
- Magazzino popolare
- Centro commerciale

POLARITÀ

- Concentrazione di servizi



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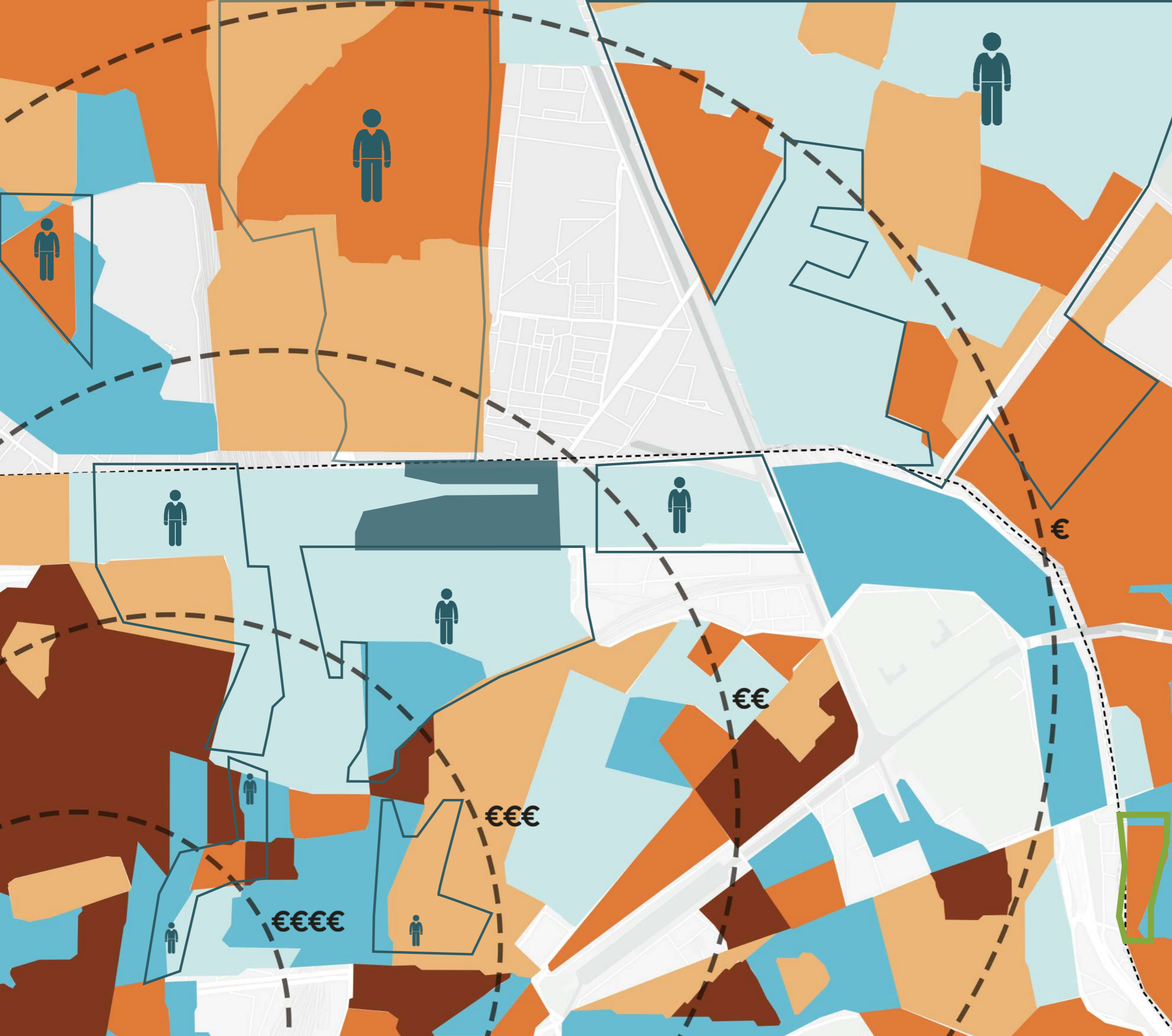
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04 MOBILITÀ, SERVIZI E CITTÀ DEI 15 MINUTI



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

-  Confine Parigi
-  Gare des Mines - Filettes
- POPOLAZIONE ATTIVA (15-64 ANNI)**
-  55%-69%
-  70%-75%
-  76%-79%
-  80%-84%
-  85%-90%
- INDICE GIOVANILE (fascia di età 20-30 anni)**
-  Alto indice giovanile (>70%)
-  Medio indice giovanile (50-70%)
-  Basso indice giovanile (<50%)
- LIVELLO SALARIALE**
-  < 75% della media nazionale
-  tra il 75% e il 100% della media nazionale
-  tra il 100% e il 150% della media nazionale
-  tra il 150% e il 200% della media nazionale

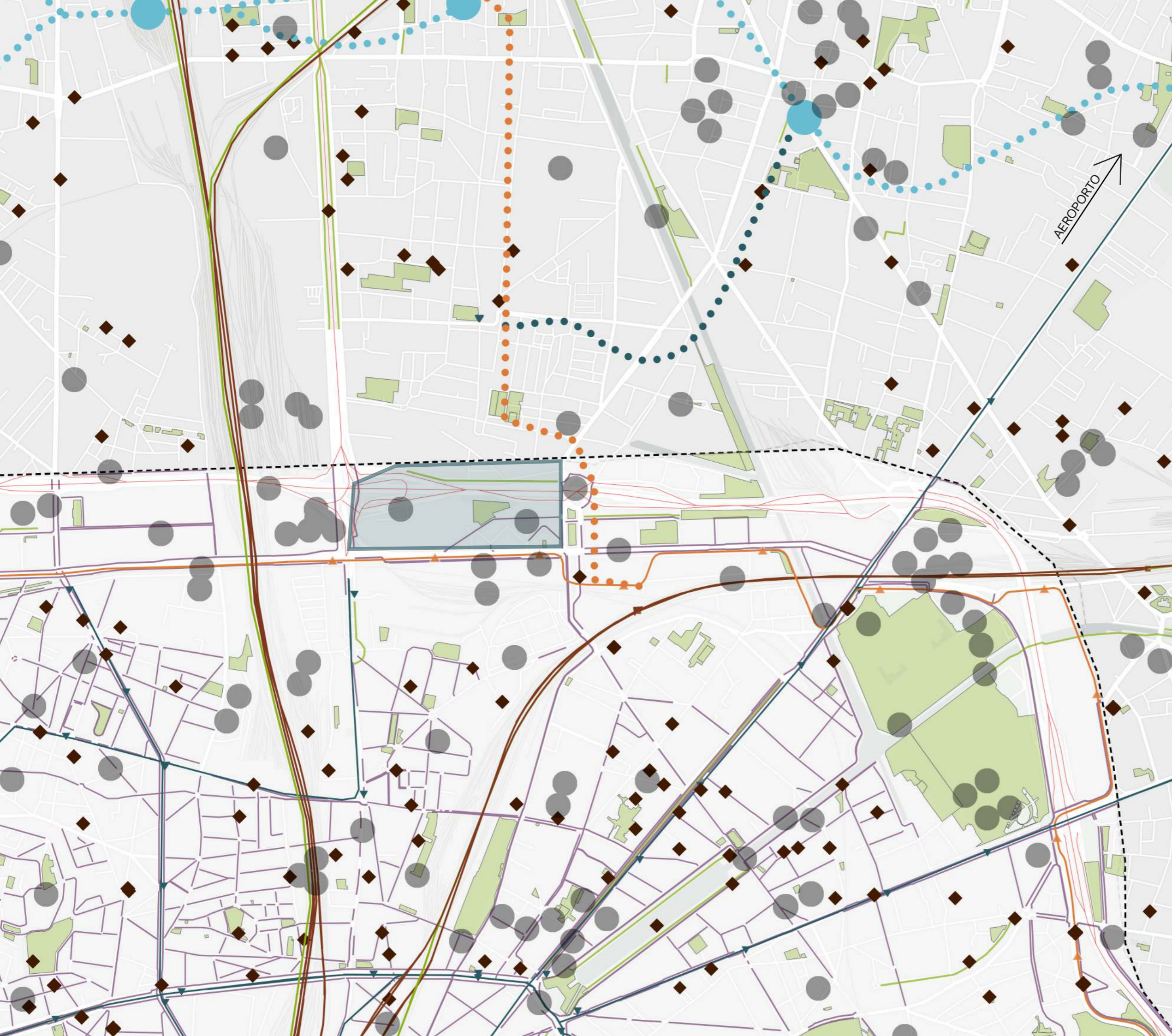


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05 POPOLAZIONE



LEGENDA

- Confine Parigi
- Gare des Mines - Fillettes

MOBILITÀ

- Autostrada
- Treno
- Tram
- Réseau express régional
- Metro
- Ciclabile

Stazioni

- ▲ Tram
- Réseau express régional
- ▼ Metro

MOBILITÀ IN PROGETTO

- Grand Paris Express
- Metro
- Tram

Stazioni in progetto

- Grand Paris Express

SPAZI VERDI

- Percorso verde
- Verde e parco regionale

ALTRO

- Spazio sportivo
- ◆ Struttura ricettiva

AEROPORTO

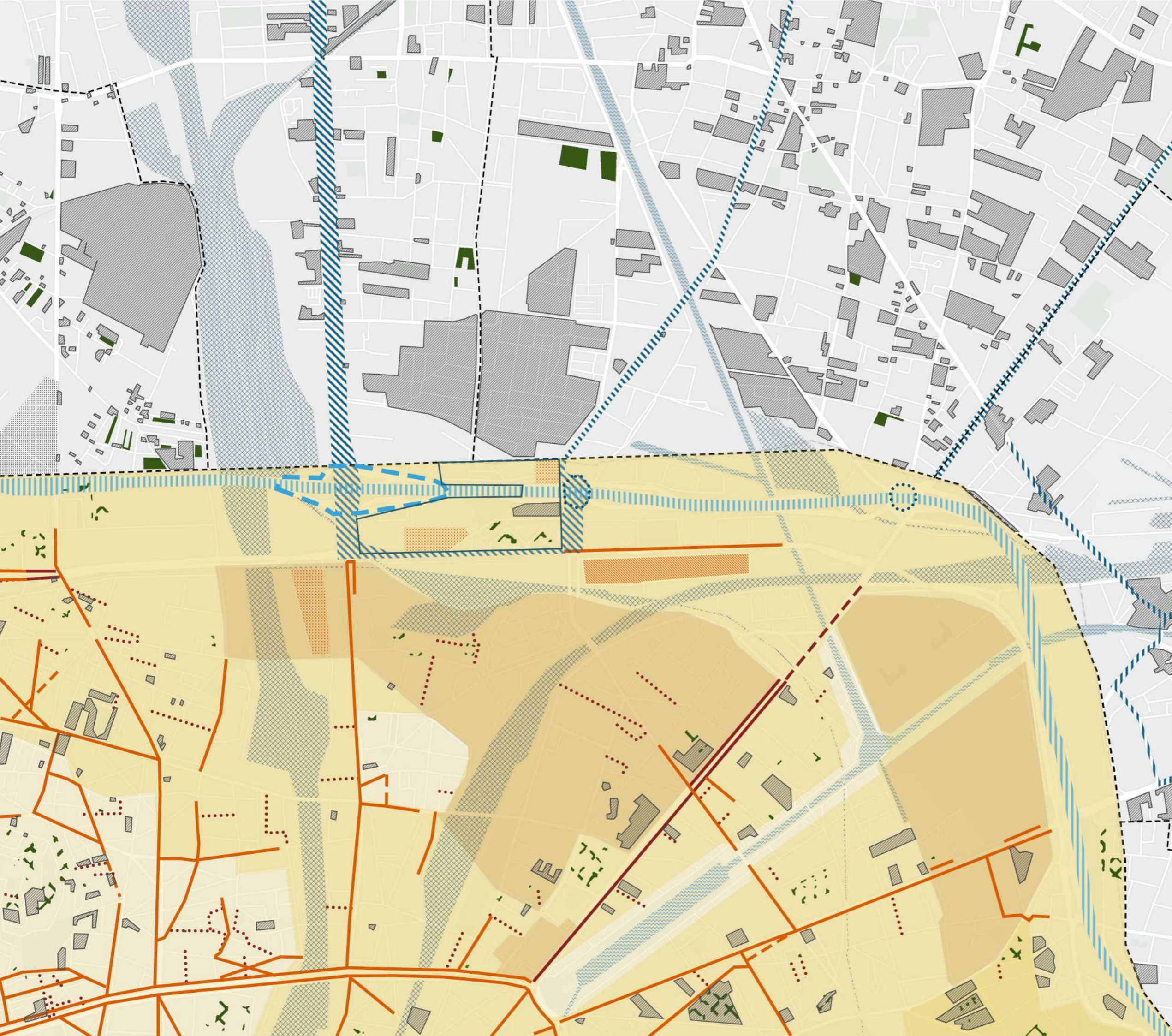


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06 CARTA DELLE RISORSE



LEGENDA

- Confini comunali
- Gare des Mines - Fillettes
- VINCOLI FISICI**
- ▬ Rete dei canali
- ▬ Ferrovie
- Strade**
- ▬ Autostrade e Route nationale
- ▬ Boulevard Périphérique
- ▬ Svincolo Porte de la Chapelle
- ▬ Porte storiche della città
- ▬ Edifici tutelati
- Spazi verdi protetti (EVP)
- DISPOSIZIONI PARTICOLARI - PARIGI**
- Limitazione dei parcheggi
- Protezione del commercio e dell'artigianato*
- ▬ Protezione commercio e artigianato
- ▬ Protezione particolare dell'artigianato
- ▬ Protezione rinforzata
- ▬ Protezione rinforzata e particolare art.
- Piano delle altezze*
- 25 m
- 31 m
- 37 m
- ▬ Altezza max / superficie lotto= 50 m
- ▬ Altezza max / livello ortometrico= 78 m

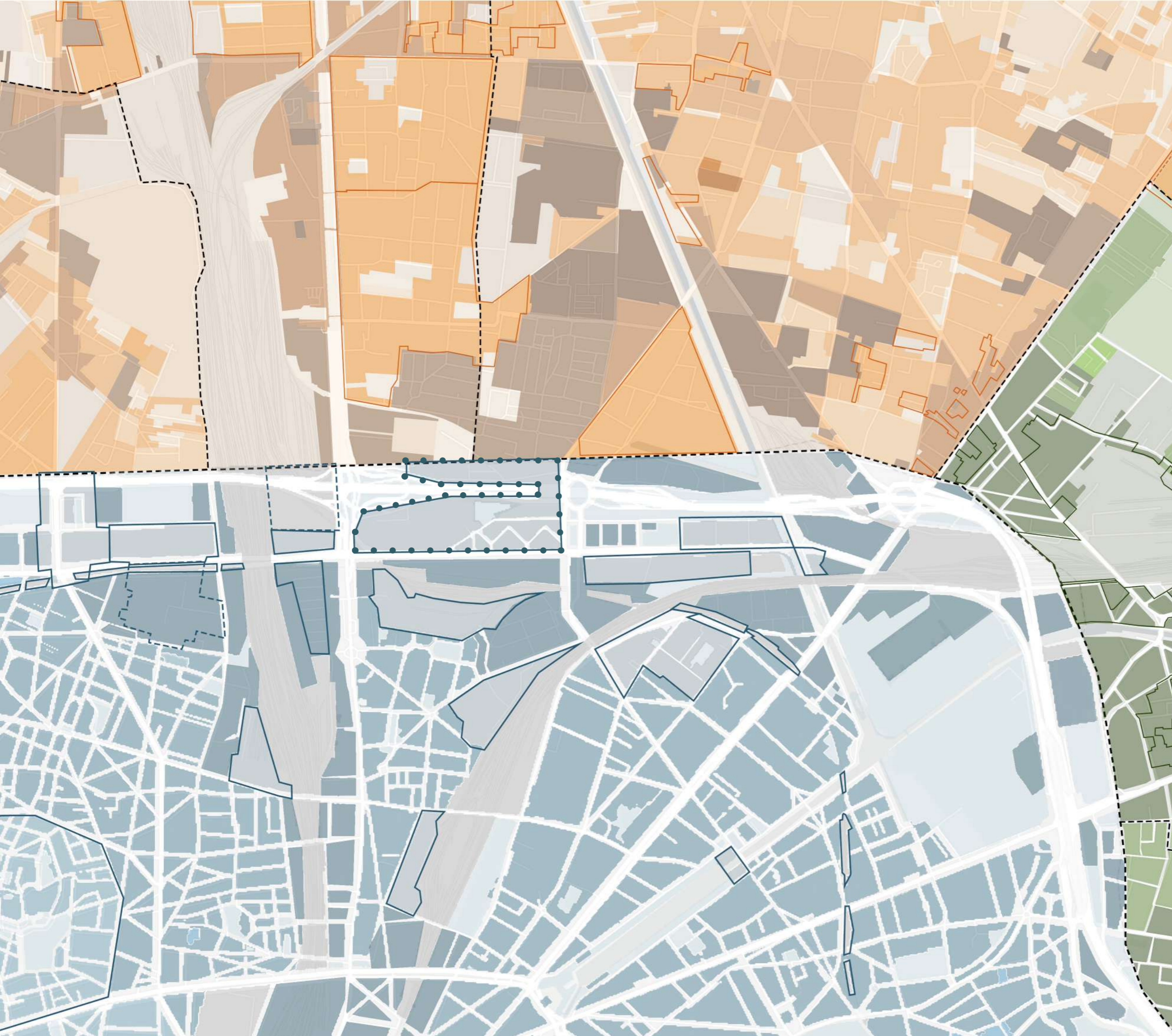


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07 CARTA DEI LIMITI



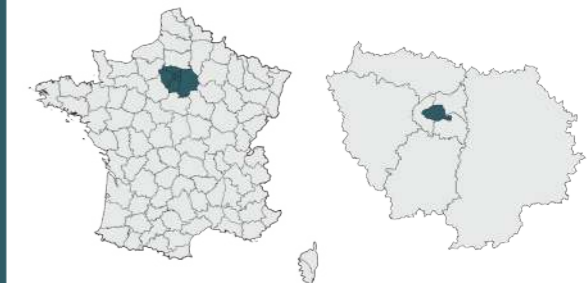
LEGENDA

- Confini comunali
- Gare des Mines - Fillettes
- PIANO URBANISTICO LOCALE - PARIGI**
- Piano di zona Paris PLU*
- Zona UG - Occupazione
- Zona UG - Edilizia mista e occupazione
- Zona UG - Edilizia abitativa
- Zona UG - ZAC o settore di sviluppo
- Zona UG - Case e ville
- Zona UV - Verde urbano
- Zona UGSU - Principali servizi urbani
- Area con disposizioni particolari (ZAC)
- - - Area in attesa di un progetto di sviluppo
- PIANO URBANISTICO INTERCOMUNALE**
- Piano di zona PLUi Plaine Commune*
- Zona UA - Attività economica
- Zona UE - Economia mista
- Zona UMD- Denso misto
- Zona UMT - Misto tradizionale
- Zona UM - Misto
- Zona UC - Alloggi collettivi
- Zona UH - Abitazioni monofamiliari
- Zona UP - Progetto
- Zona UVP - Verde urbano e paesaggio
- Zona N - Naturale
- Zona UG - Servizi e strutture urbane
- Zona di sviluppo concertato (ZAC)
- PIANO URBANISTICO INTERCOMUNALE**
- Piano di zona PLUi Est Ensemble*
- Zona UA - Attività economica
- Zona UM - Misto
- Zona UH - Conservazione
- Zona UR - Rinnovo
- Zona N - Naturale
- Zona UE - Servizi
- Zona di sviluppo concertato (ZAC)

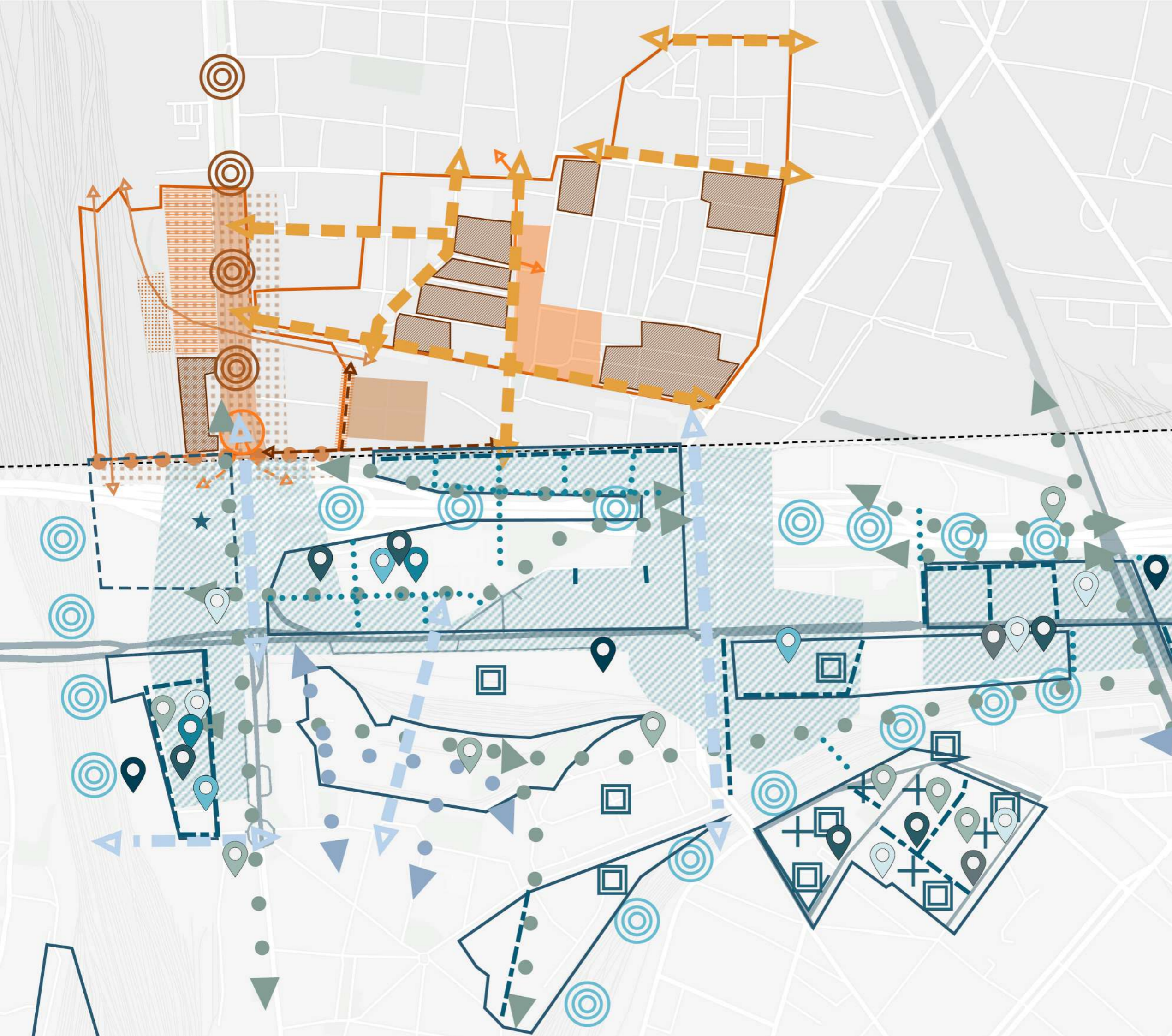


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08 PIANI DI ZONA
ZAC



- ### LEGENDA
- Confini comunali
 - PIANO URBANISTICO LOCALE - PARIGI**
 - Strade, opere pubbliche e spazi verdi*
 - Spazi verdi pubblici
 - Attività logistica
 - Sport e gioventù
 - Servizi comunali
 - Cultura
 - Istruzione
 - Azione sociale, infanzia e salute
 - Strada da creare o modificare
 - Percorso pedonale da creare o modificare
 - Collegamenti*
 - Creare o rafforzare la continuità urbana
 - Apertura dei quartieri
 - Sviluppo aree paesaggistiche
 - Area con disposizioni particolari (ZAC)
 - Azioni per il miglioramento dell'ambiente*
 - Riduzione dell'inquinamento acustico
 - Riqualificazione spazi pubblici
 - Linee guida per il rinnovamento urbano*
 - Riabilitare progetti abitativi
 - Sviluppo dell'attività economica
 - Incremento dell'attività commerciale
 - Sviluppare o ricostituire il tessuto urbano
 - PIANO URBANISTICO INTERCOMUNALE**
 - Accessibilità*
 - Strada destinata a diventare pubblica
 - Creare percorsi per i modi attivi
 - Rafforzamento dei collegamenti con Parigi
 - Ristrutturazione del nodo di scambio
 - Riqualificazione e rinverdimento
 - Spazi pubblici e vegetalizzazione*
 - Riduzione dell'inquinamento acustico
 - Sviluppo di uno spazio verde paesaggistico
 - Elaborazione delle interfacce
 - Nuovi spazi verdi e paesaggistici
 - Ricerca di coerenza paesaggistica
 - Rinforzo della continuità ecologica
 - Elementi di contesto (cimitero)
 - Programmazione e morfologia*
 - Conservazione del patrimonio edilizio industriale
 - Riduzione degli alloggi non a norma
 - Creazione di un filtro vegetale
 - Perimetro OAP



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09 LINEE GUIDA PER SVILUPPO E PROGRAMMAZIONE



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

- Confine Parigi
- Gare des Mines - Filettes

ZONE CLIMATICHE

- Alberi fitti
- Alberi sparsi
- Coltivazioni
- Acque
- Terreno scoperto
- Edifici compatti
- Edifici distanziati
- Edifici bassi settore terziario

INQUINAMENTO E ISOLE DI CALORE

- Livello alto
- Livello medio



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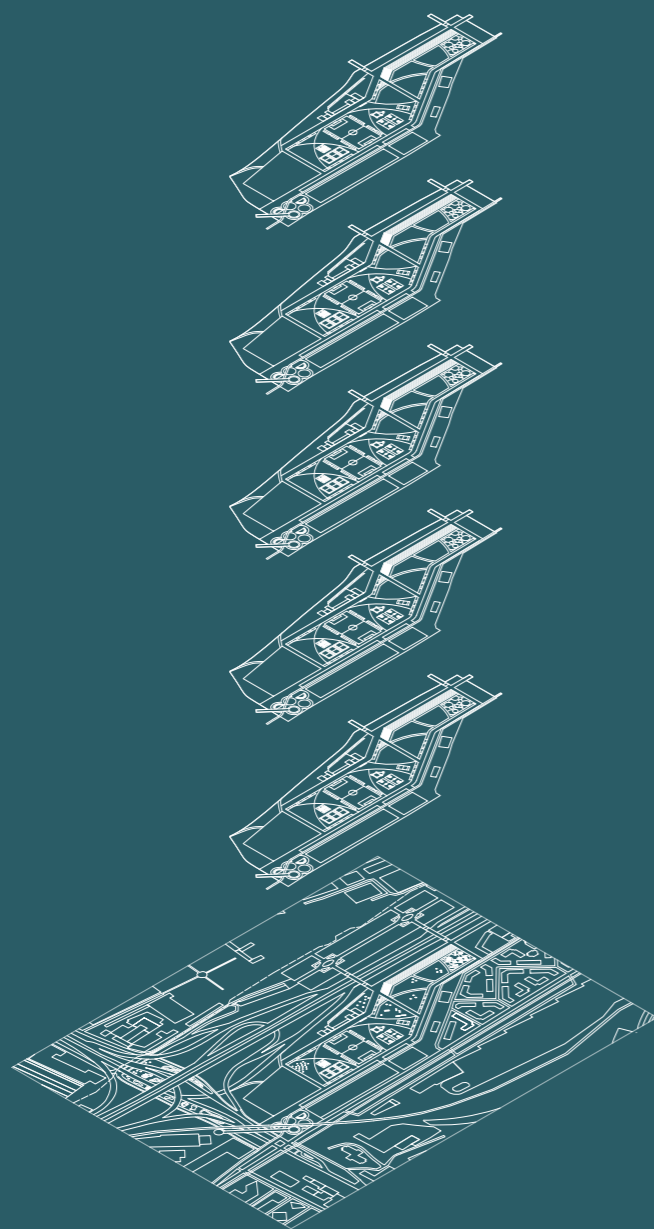
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10 CLIMA E INQUINAMENTO

III

PROGETTAZIONE DI UN NUOVO DISTRETTO SPORTIVO



Premessa

Avendo analizzato il contesto e l'area di progetto, in questo capitolo viene illustrato il progetto del nuovo distretto sportivo. Si tratta, in prima battuta, del processo di Scenario Building che ha guidato la scelta del concept di progetto, attraverso comparazioni e analisi riguardanti l'impatto ambientale di differenti scenari progettuali.

Successivamente, viene poi esposto l'Urban Masterplan del distretto sportivo, caratterizzato dall'impronta dei Giochi Olimpici 2024 e che coinvolge anche il contesto circostante. In particolare si farà accenno al concetto di polifunzionalità, aspetto chiave che ha caratterizzato il progetto sia a scala urbana, sia l'Arena.

INDICE

CONCEPT MAP	11
CONCEPT	12
MASTERPLAN	13
SEZIONE AMBIENTALE: SEZIONE A-A	14
SEZIONE AMBIENTALE: SEZIONE B-B	15
VISTE	16

COLLEGAMENTO CON IL VILLAGGIO OLIMPICO TRAMITE LA RIORGANIZZAZIONE DEL TRASPORTO PUBBLICO

APERTURA VERSO I COMUNI DI SEINE-SAINT DENIS

AMPLIAMENTO DELLA STATION GARE DES MINES CON NUOVI ALLOGGI PER GLI ARTISTI E SPAZI PER MOSTRE, CONNESSE ALLE NUOVE INDUSTRIE CREATIVE ADIACENTI E AI LABORATORI CREATIVI CHE COPRONO PARZIALMENTE LA TANGENZIALE

REALIZZAZIONE DI NUOVI UFFICI ADIACENTI ALLA RESIDENZA VALENTIN ABEILLE PER I LAVORATORI

INCENTIVAZIONE ALL'INNOVAZIONE SPORTIVA

PORTE DE LA CHAPELLE

PORTE D'AUBERVILLIERS

BOULEVARD PERIFERIQUE

BARRIERE VERDI CONTRO L'INQUINAMENTO

PLACE SKANDERBERG DIVENTERA' UNA NUOVA PIAZZA VERDE ACCESSIBILE SOLO AI PEDONI

NUOVO DISTRETTO SPORTIVO

STAND

RIORGANIZZAZIONE PARCO SQUARE CHARLES HERMITE

SCUOLA MATERNA + LICEO

RUE CHARLES HERMITE

RECUPERO DELLA CITE' CHARLES HERMITE E MIGLIORAMENTO DELLA VIABILITA' INTERNA

POSTAZIONI SPORTIVE TEMPORANEE

NUOVA PLACE CHARLES HERMITE

EPJ

BOULEVARD NEY

CAMPUS CONDORCET UNIVERSITA' PANTHEON-SORBONNE

NUOVA PIAZZA DELL'ARENA

PROGRAMMAZIONE ALBERGHIERA CON OSTELLO DELLA GIOVENTU' E SERVIZI COME RISTORANTI E NEGOZI

NUOVE RESIDENZE PER STUDENTI

ENTREPOTS NEY - PARCHEGGI

- Confine Parigi
- ▬ Boulevard Périphérique
- ▬ Preesistenze da mantenere

COMUNITÀ

Valorizzazione dello sport

- Realizzazione di un'arena polifunzionale
- Espansione offerta di impianti sportivi
 - Calcio
 - Trampolini elastici
 - Beach volley
 - Basket
 - Percorso avventura
 - Padel
 - Punto ristoro

- Realizzazione di nuovi uffici per la logistica
- Progettazione di nuovi spazi dedicati ad hub di innovazione per lo sport
- Costruzione di un centro medico per la ricerca e la riabilitazione sportiva
- Realizzazione di un nuovo Mall sportivo

Diversificazione dell'housing

- Sviluppo di una programmazione alberghiera con ostelli della gioventù
- Costruzione di residenze per studenti
- Ampliamento della Station Gare de Mines con nuovi alloggi per gli artisti
- Recupero dell'edificio residenziale Valentin Abeille come alloggi per i lavoratori
- Recupero della Cité Charles Hermite

ACCESSIBILITÀ

Potenziamento dell'offerta di servizi

- Sviluppo di industrie creative adiacenti all'ampliamento della Station Gare des Mines
- Ampliamento della Station Gare des Mines con nuovi spazi per eventi e mostre
- Inserimento di uffici finanziari
- Realizzazione di laboratori creativi in connessione con il complesso scolastico
- Riquilificazione dell'EPJ
- Realizzazione di un nuovo parco giochi

Ricucitura degli spazi pubblici

- Implementazione di percorsi pedonali
- Inserimento di nuove piazze e cortili produttivi
- Recupero degli spazi inutilizzati e degradati di Porte de la Chapelle tramite la realizzazione del nuovo skatepark
- Realizzazione di collegamenti pedonali tra il Campus Condorcet e le residenze per studenti
- Sviluppo di collegamenti pedonali in quota
- Implementazione attraversamenti pedonali

VERDE

Migliore qualità ambientale

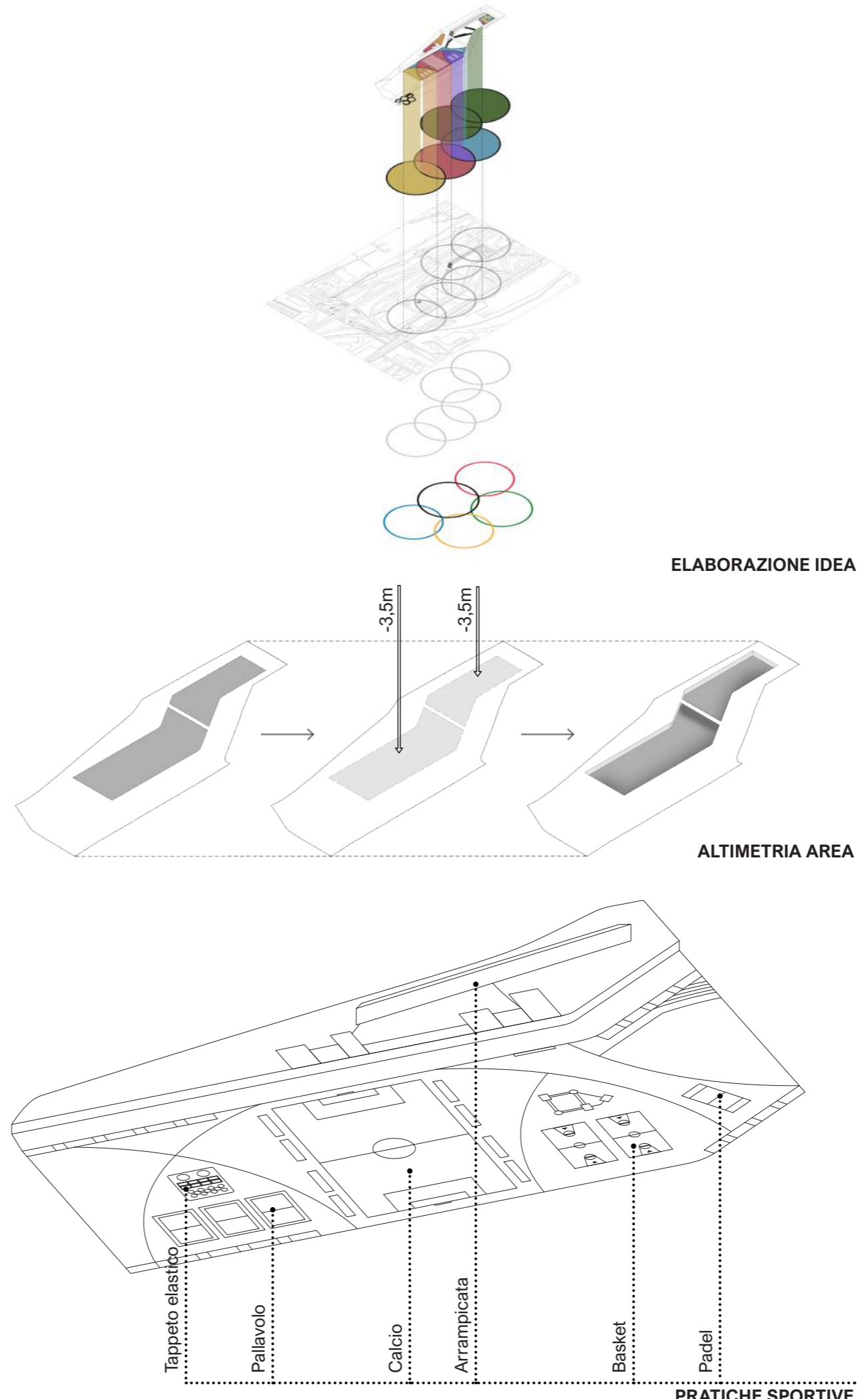
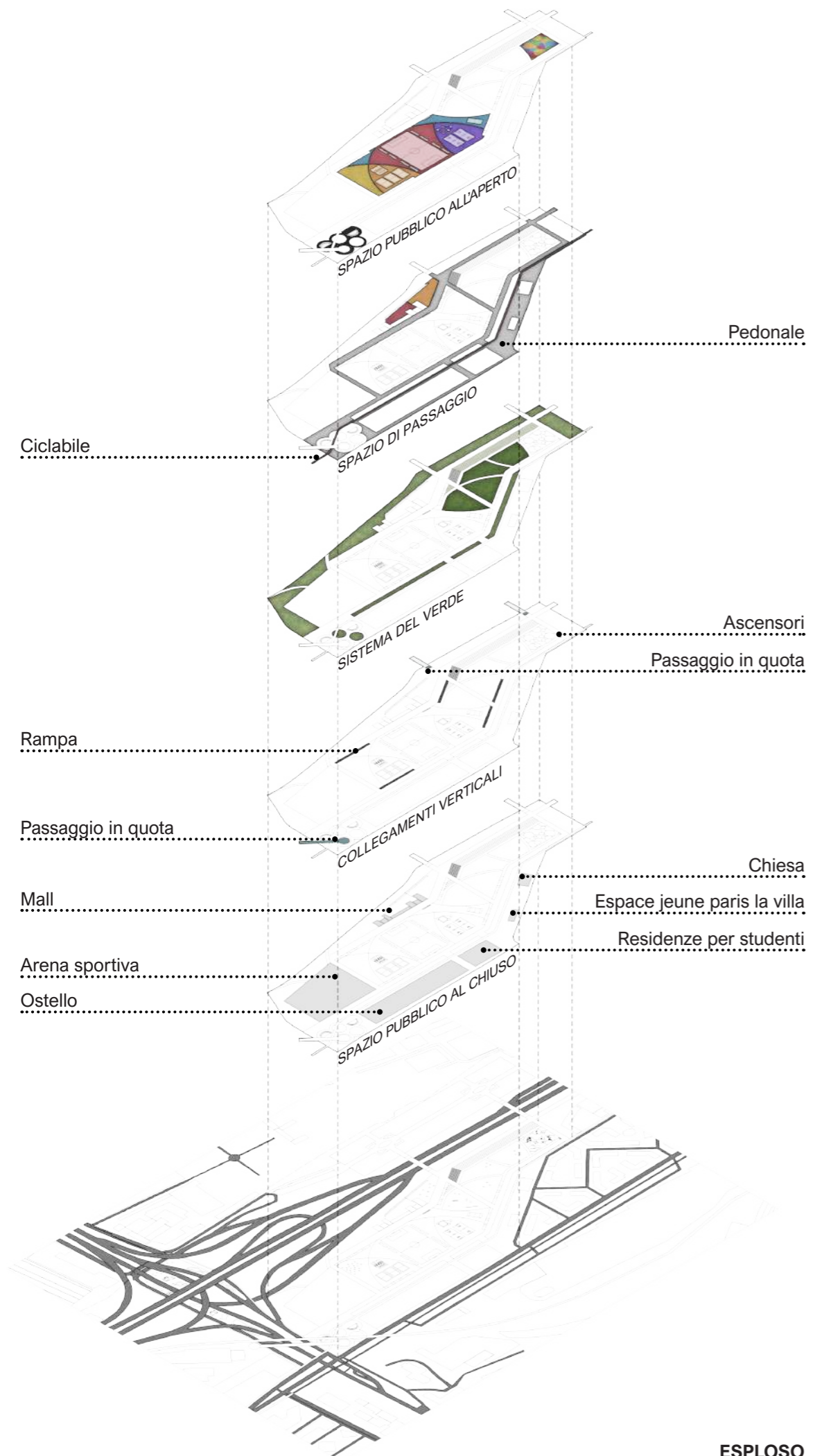
- Realizzazione di viali alberati estesi lungo la tangenziale contro l'inquinamento acustico
- Riquilificazione della viabilità nella Cité C.H.
- Riorganizzazione del parco Square Charles H. con spazi dedicati all'attività sportiva
- Realizzazione di orti didattici terrazzati



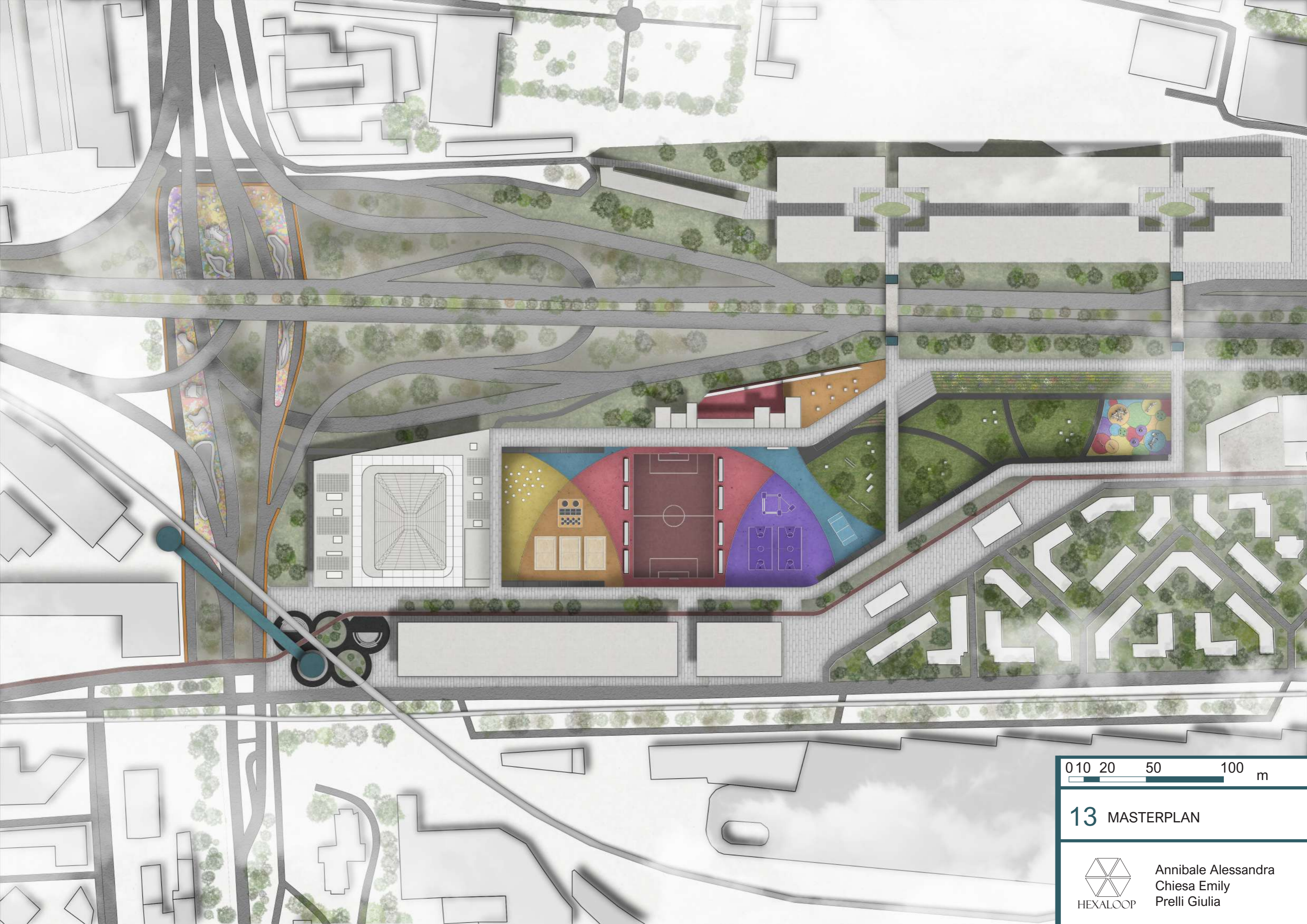
11 CONCEPT MAP



Annibale Alessandra
Chiesa Emily
Prelli Giulia



SCALA -
 12 CONCEPT



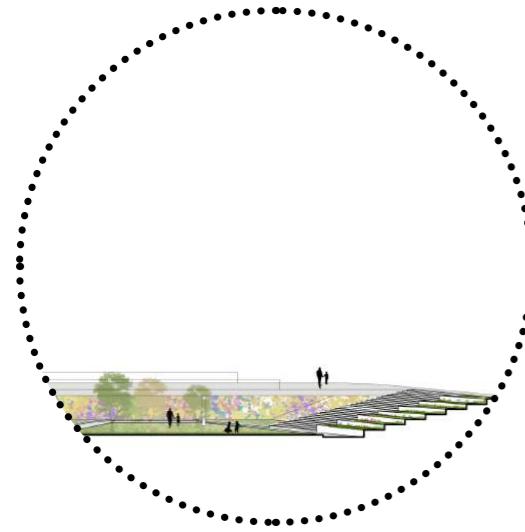
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13 MASTERPLAN

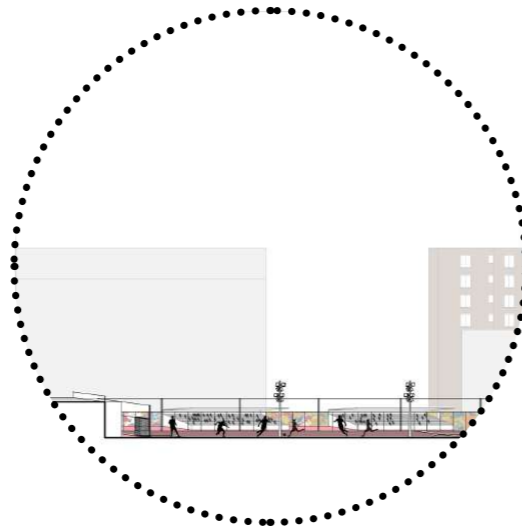


Annibale Alessandra
Chiesa Emily
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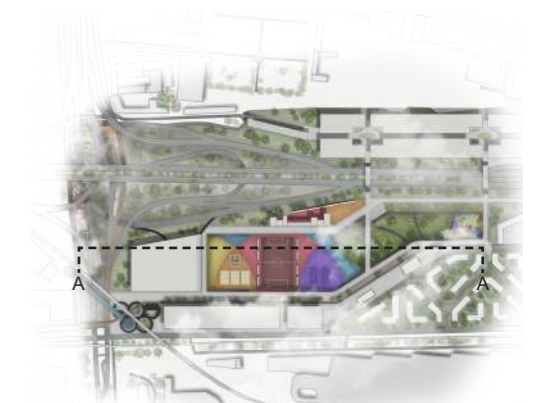
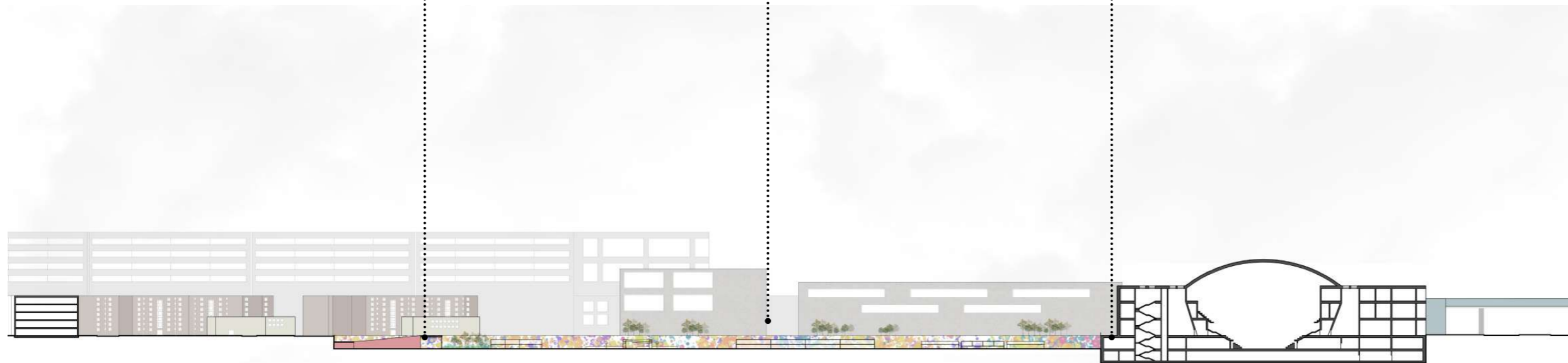
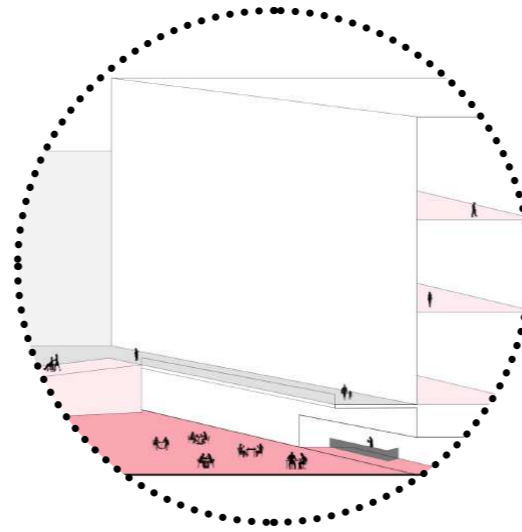
ORTI DIDATTICI:



CAMPI DA GIOCO:



AREA RISTORO:



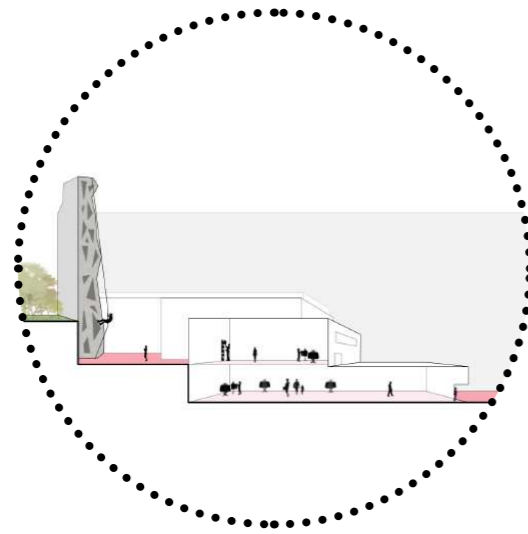
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14 SEZIONE AMBIENTALE:
SEZIONE A-A

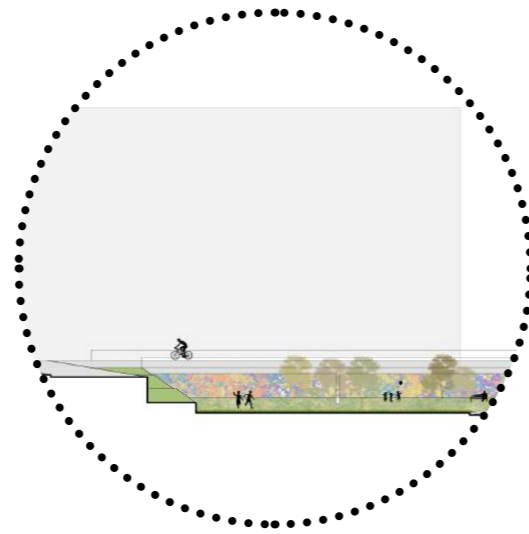


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Chiesa Emily
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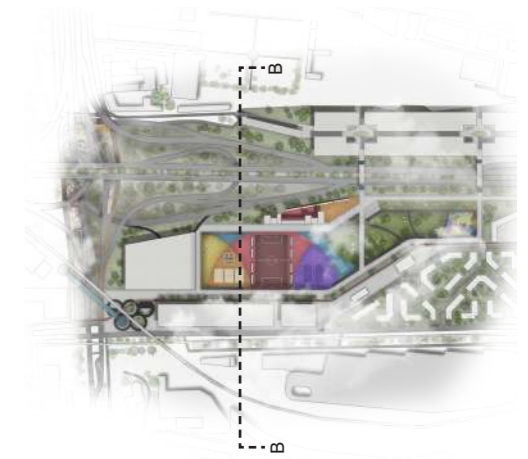
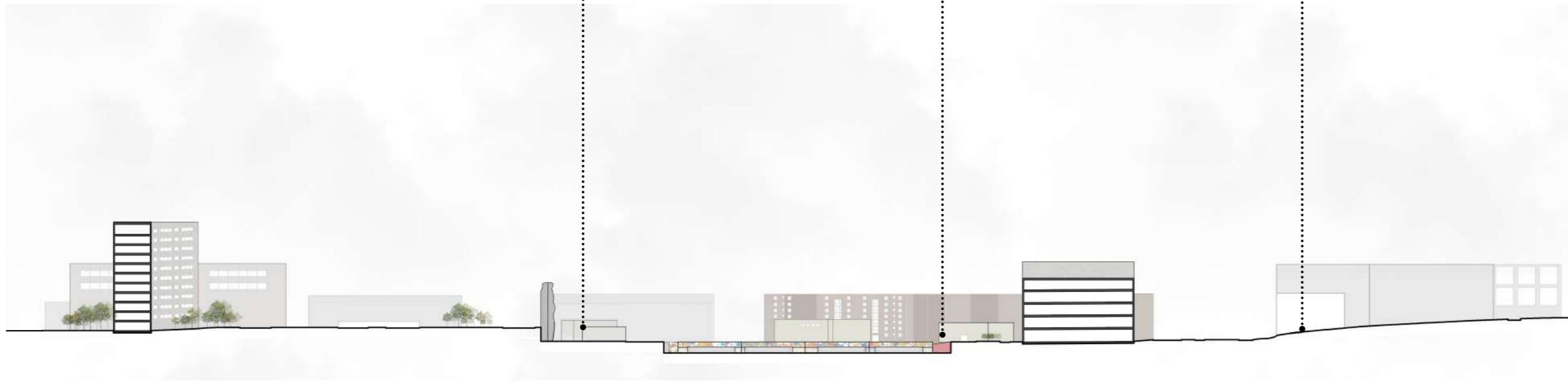
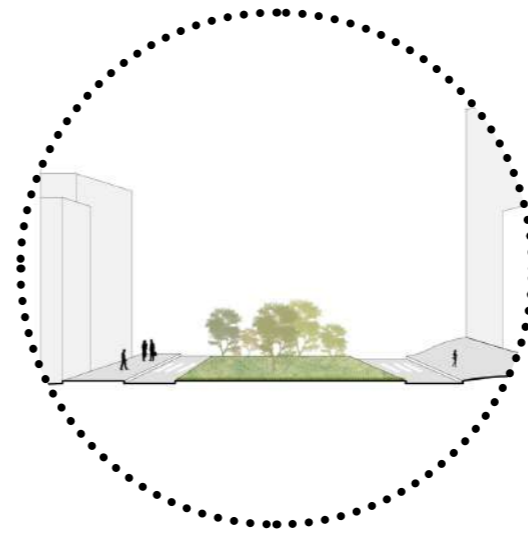
PARETE D'ARRAMPICATA E MALL



RAMPE D'ACCESSO



PERCORSI PEDONALI

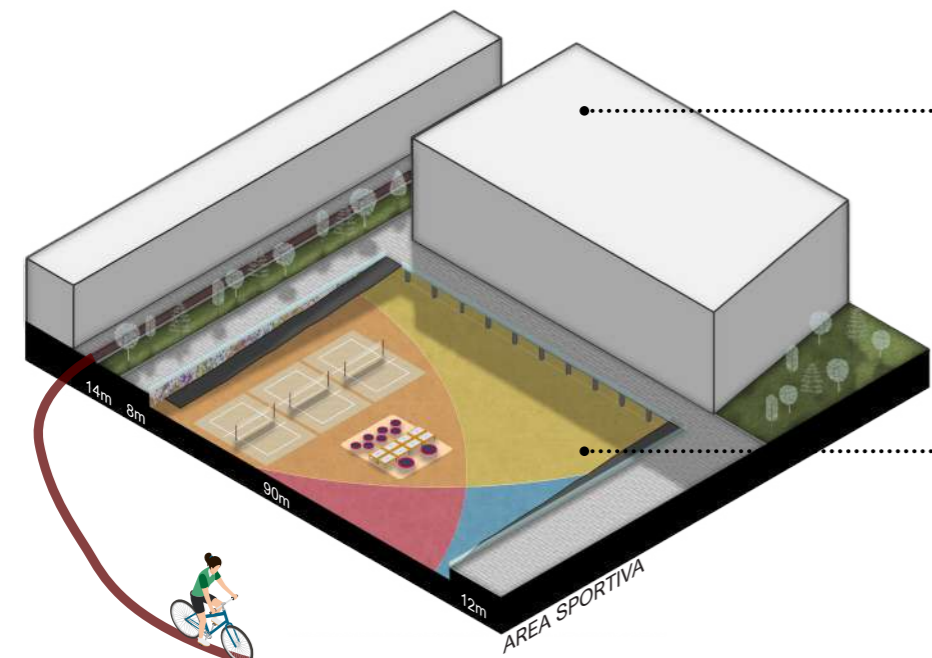


0 10 20 50 100 m

15 SEZIONE AMBIENTALE:
SEZIONE B-B

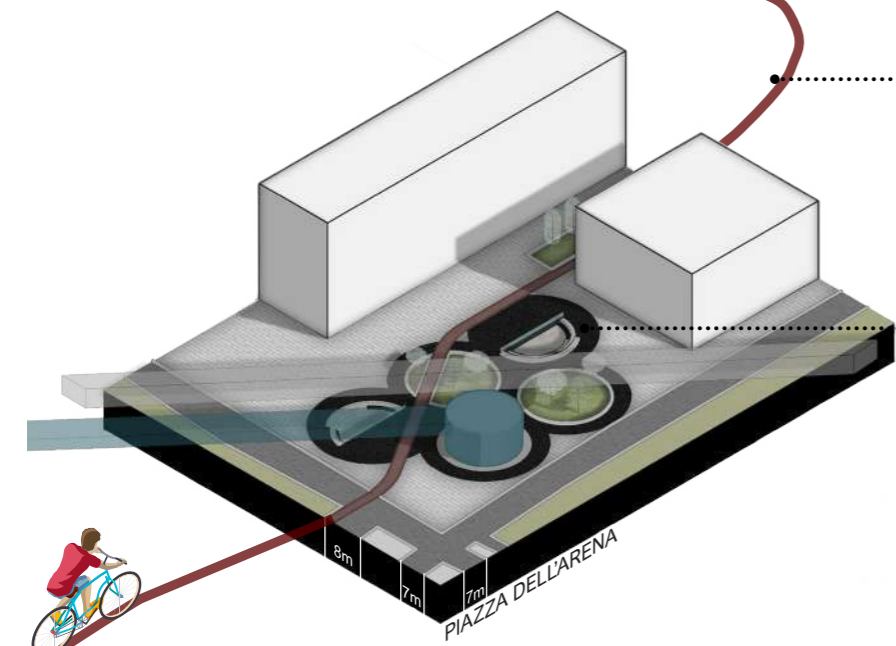


Annibale Alessandra
Chiesa Emily
Prelli Giulia



ARENA SPORTIVA

L'arena che ospiterà le Olimpiadi 2024 affaccia sull'area sportiva; è dotata di un piano seminterrato in modo da avere accesso diretto sia dall'area pedonale (quota 0.0m) che dall'area sportiva (quota -3,5m).

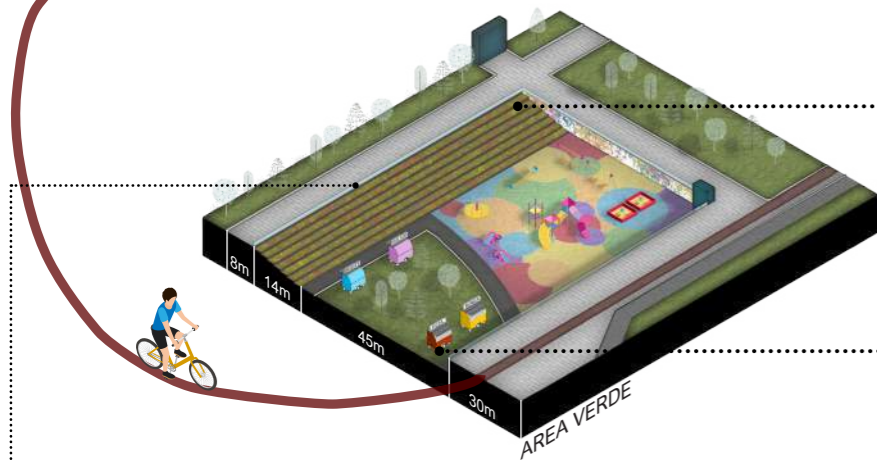


CICLABILE

La ciclabile è stata progettata in modo da attraversare l'area completamente, collegando Porte de la Chapelle e Porte d'Aubervillies situate rispettivamente a ovest e est dell'area di progetto.

PIAZZA DELL'ARENA

Gli anelli olimpici che hanno guidato il progetto ancora una volta si materializzano in una piazza antistante all'arena andando a ospitare diverse funzioni. Due cerchi diventano gradoni che permettono di scendere a quota -1,5m e diventano a loro volta dei piccoli punti di sosta collettiva; due cerchi sono dedicati a verde mentre l'ultimo cerchio si estrude a diventare un passaggio in quota che permette di attraversare la strada trafficata situata a ovest dell'area di progetto.

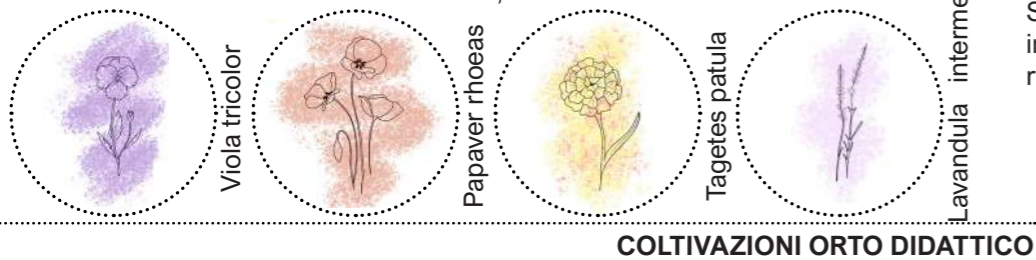


ORTI DIDATTICI

Nel parco sono presenti dei grandi gradoni verdi adibiti a orto didattico, in modo che tutti i bambini possano apprendere divertendosi. L'orto è utilizzato anche dall'Ecole Maternelle Charles Hermite situata a est dell'area.

PARCO

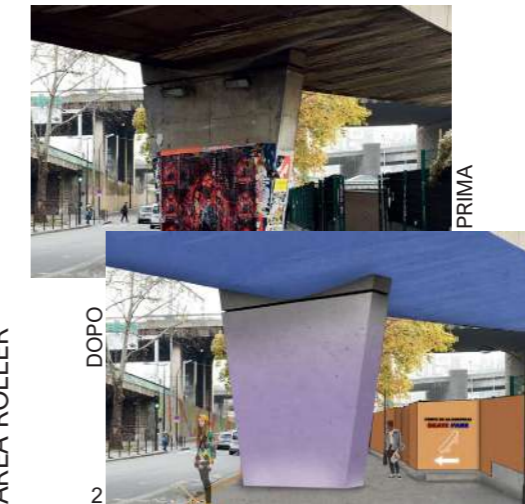
Il parco ospita molteplici attrezzature sportive per grandi e piccoli in modo da poter praticare sport e svagarsi all'aria aperta. Sono presenti anche dei piccoli stand alimentari in modo da poter fare delle piccole soste e riprendere le proprie attività.



STAND
ATTREZZATURA



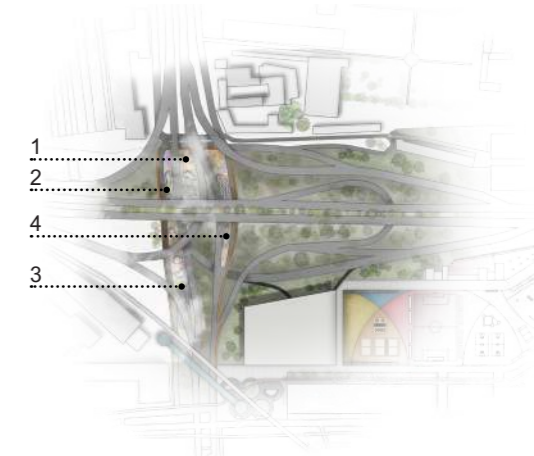
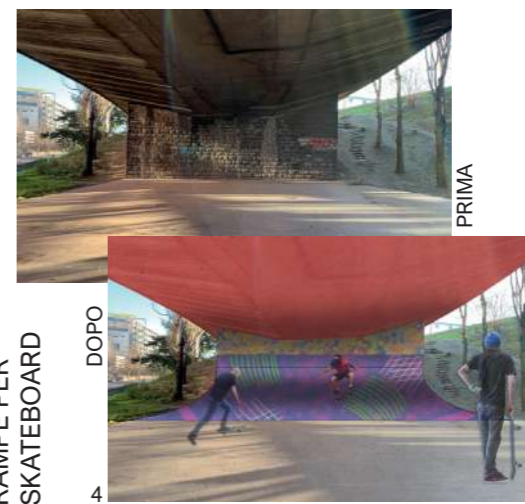
AREA ROLLER



RAMPE PER
SKATEBOARD



RAMPE PER
SKATEBOARD



SCALA -

16 VISTE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

III

ARCHITETTONICO



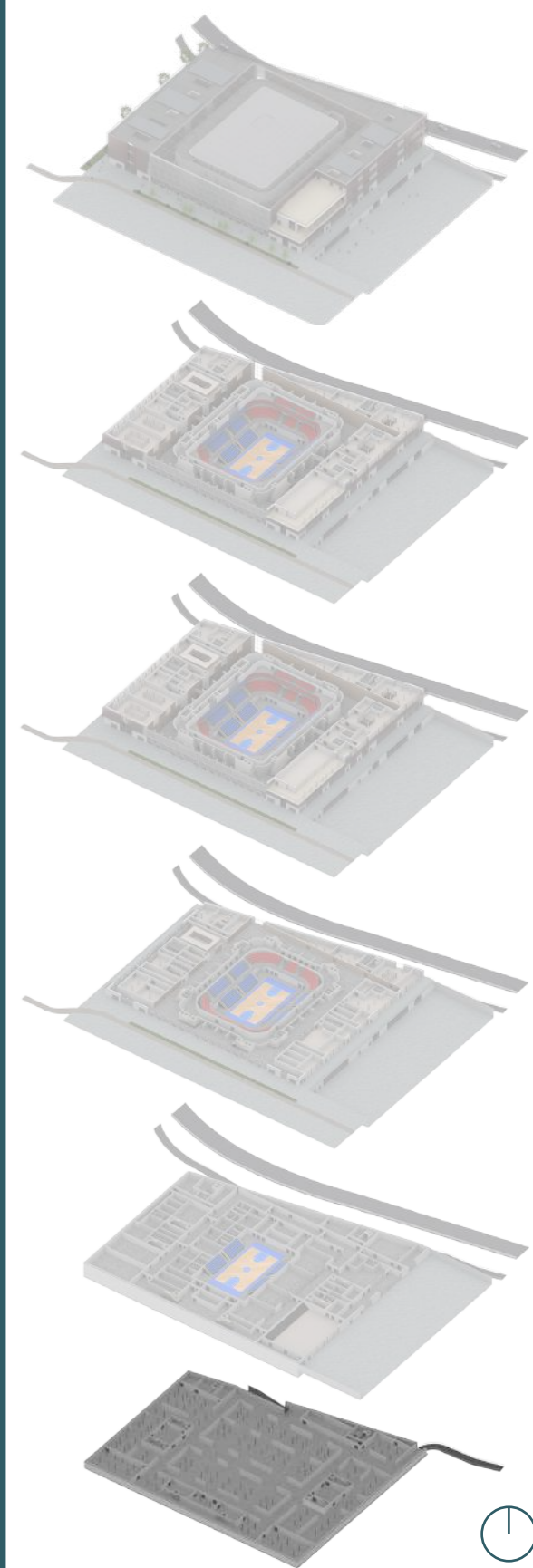
Premessa

La tipologia edilizia sportiva costituisce fin dal tempo degli antichi greci, con stadi e ippodromi, un tipo architettonico ben definito che nel corso del tempo è andato sempre maggiormente a svilupparsi per entrare a far parte dello svago ludico e quotidiano delle persone. La vocazione territoriale e urbana dell'arena suggerisce l'adozione di una visione ampia durante la stesura del progetto, non più limitabile allo studio dell'aspetto prestazionale del manufatto, bensì coinvolgendo gli indicatori di matrice gestionale legati ai concetti di compatibilità, funzionalità, manutenibilità, durabilità, fruibilità, sicurezza, considerando l'intero ciclo di vita dell'infrastruttura.

INDICE

<u>PIANTA ARCHITETTONICA: PIANO -2</u>	<u>17</u>
<u>PIANTA FUNZIONALE: PIANO -2</u>	<u>18</u>
<u>PIANTA FLUSSI: PIANO -2</u>	<u>19</u>
<u>PIANTA ANTINCENDIO: PIANO -2</u>	<u>20</u>
<u>PIANTA ARCHITETTONICA: PIANO -1</u>	<u>21</u>
<u>PIANTA FUNZIONALE: PIANO -1</u>	<u>22</u>
<u>PIANTA FLUSSI: PIANO -1</u>	<u>23</u>
<u>PIANTA ANTINCENDIO: PIANO -1</u>	<u>24</u>
<u>PIANTA ARCHITETTONICA: PIANO +0</u>	<u>25</u>
<u>PIANTA FUNZIONALE: PIANO +0</u>	<u>26</u>
<u>PIANTA FLUSSI: PIANO +0</u>	<u>27</u>
<u>PIANTA ANTINCENDIO: PIANO +0</u>	<u>28</u>
<u>PIANTA ARCHITETTONICA: PIANO +1</u>	<u>29</u>
<u>PIANTA FUNZIONALE: PIANO +1</u>	<u>30</u>
<u>PIANTA FLUSSI: PIANO +1</u>	<u>31</u>
<u>PIANTA ANTINCENDIO: PIANO +1</u>	<u>32</u>
<u>PIANTA ARCHITETTONICA: PIANO +2</u>	<u>33</u>

<u>PIANTA FUNZIONALE: PIANO +2</u>	<u>34</u>
<u>PIANTA FLUSSI: PIANO +2</u>	<u>35</u>
<u>PIANTA ANTINCENDIO: PIANO +2</u>	<u>36</u>
<u>PIANTA ARCHITETTONICA: COPERTURA</u>	<u>37</u>
<u>SEZIONI ARCHITETTONICHE: A-A E B-B</u>	<u>38</u>
<u>PROSPETTO NORD E EST</u>	<u>39</u>
<u>PROSPETTO SUD E OVEST</u>	<u>40</u>

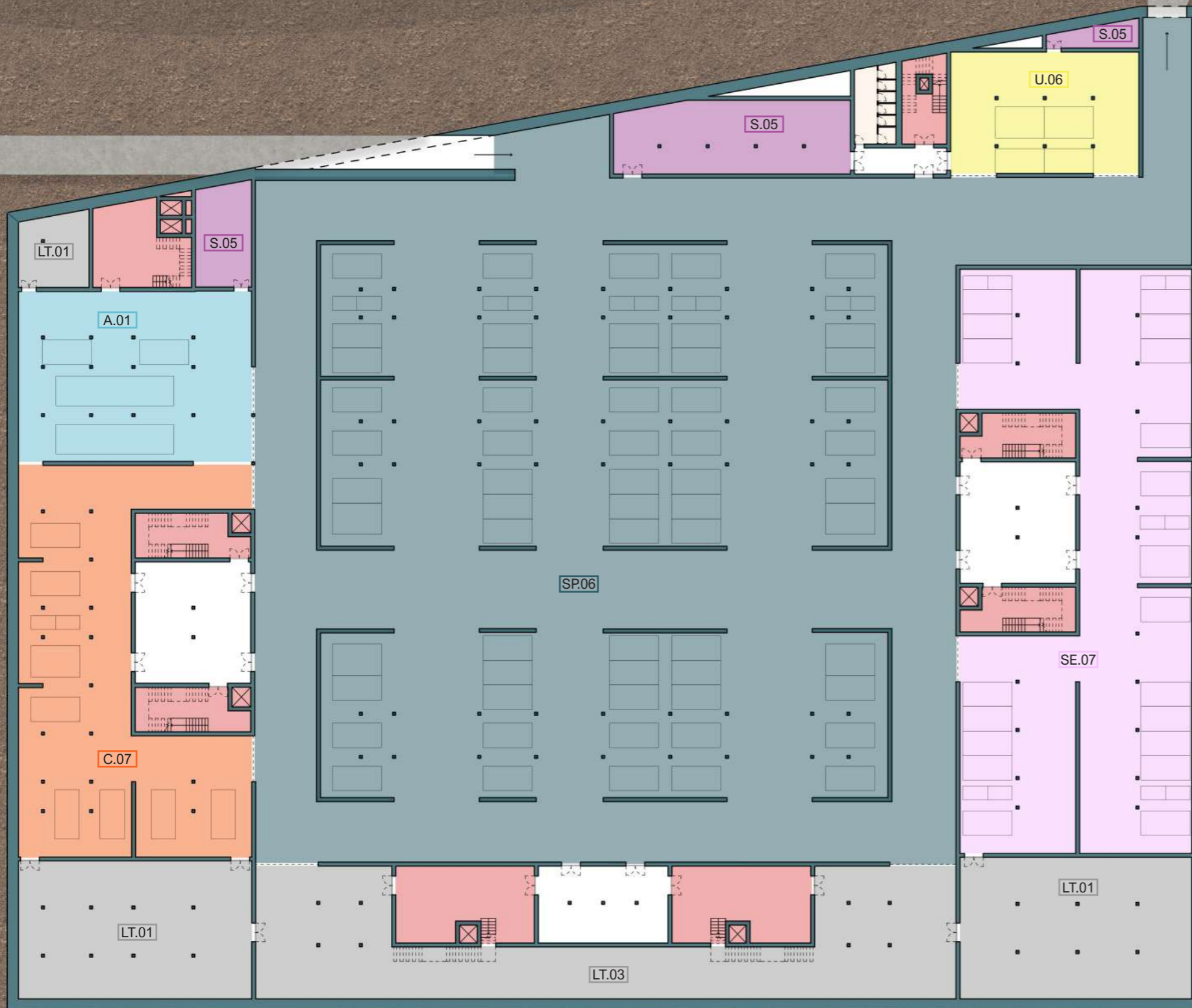


SCALA 1:500

17 PIANTA ARCHITETTONICA:
PIANO -2



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

- A - ATLETI**
- A.01 Parcheggi riservati
- A.02 Spogliatoi atleti
- A.02.01 Bagni e docce
- A.03 Spogliatoi personale di campo
- A.03.01 Bagni e docce
- A.04 Centro medico atleti
- A.05 Locale antidoping
- A.05.01 Zona di attesa
- A.05.02 Stanza per l'analisi delle urine
- A.05.03 Stanza per l'analisi del sangue
- A.05.04 Ufficio
- A.05.05 Bagno
- A.06 Centro massaggi
- A.07 Spogliatoi allenatori
- A.08 Staff
- A.09 Flash interview
- B - BAGNI**
- COLLEGAMENTI VERTICALI**
- C - COMUNICAZIONI**
- C.01 Hall
- C.02 Stampa
- C.03 Broadcast
- C.03.01 Language services
- C.03.02 Zona interviste
- C.04 Commentatori e fotografi
- C.05 CCTV
- C.06 Sala riunioni
- C.07 Parcheggi riservati
- C.08 Studio TV
- C.09 Press conference room
- C.10 Area ristoro
- C.10.01 Cucina
- LT - LOCALI TECNICI**
- LT.01 Locale tecnico
- LT.02 Magazzino
- LT.03 Logistica
- P - PALESTRA CITTADINA**
- P.01 Hall
- P.02 Palestra
- P.03 Spogliatoi
- P.03.01 Bagni
- S - SECURITY**
- S.01 Security room
- S.02 Command centre con gabbie per cani
- S.03 Screening
- S.04 Bag X ray
- S.05 Screening veicoli
- SE - SERVIZI**
- SE.01 Merchandising
- SE.02 Negozi
- SE.03 Bar
- SE.04 Ristorante
- SE.04.01 Cucina
- SE.05 Area relax
- SE.06 Spazio eventi
- SE.07 Parcheggi riservati
- SP - SPETTATORI**
- SP.01 Accesso spalti
- SP.01.01 Tribune telescopiche
- SP.01.02 Settore A
- SP.01.03 Settore B
- SP.01.04 Settore C
- SP.01.05 Settore D
- SP.01.06 Settore E
- SP.01.07 Settore F
- SP.02 Centro medico spettatori
- SP.03 Biglietteria
- SP.04 Info point
- SP.05 Guardaroba
- SP.06 Parcheggi
- T - TERRAZZA**
- U - UFFICI**
- U.01 Accreditation
- U.02 Competition Management
- U.03 Ceremony Staging
- U.04 Logistic center
- U.05 Centro direzionale
- U.06 Parcheggi riservati
- V - VIP**
- V.01 VIP Lounge
- V.02 VIP Box

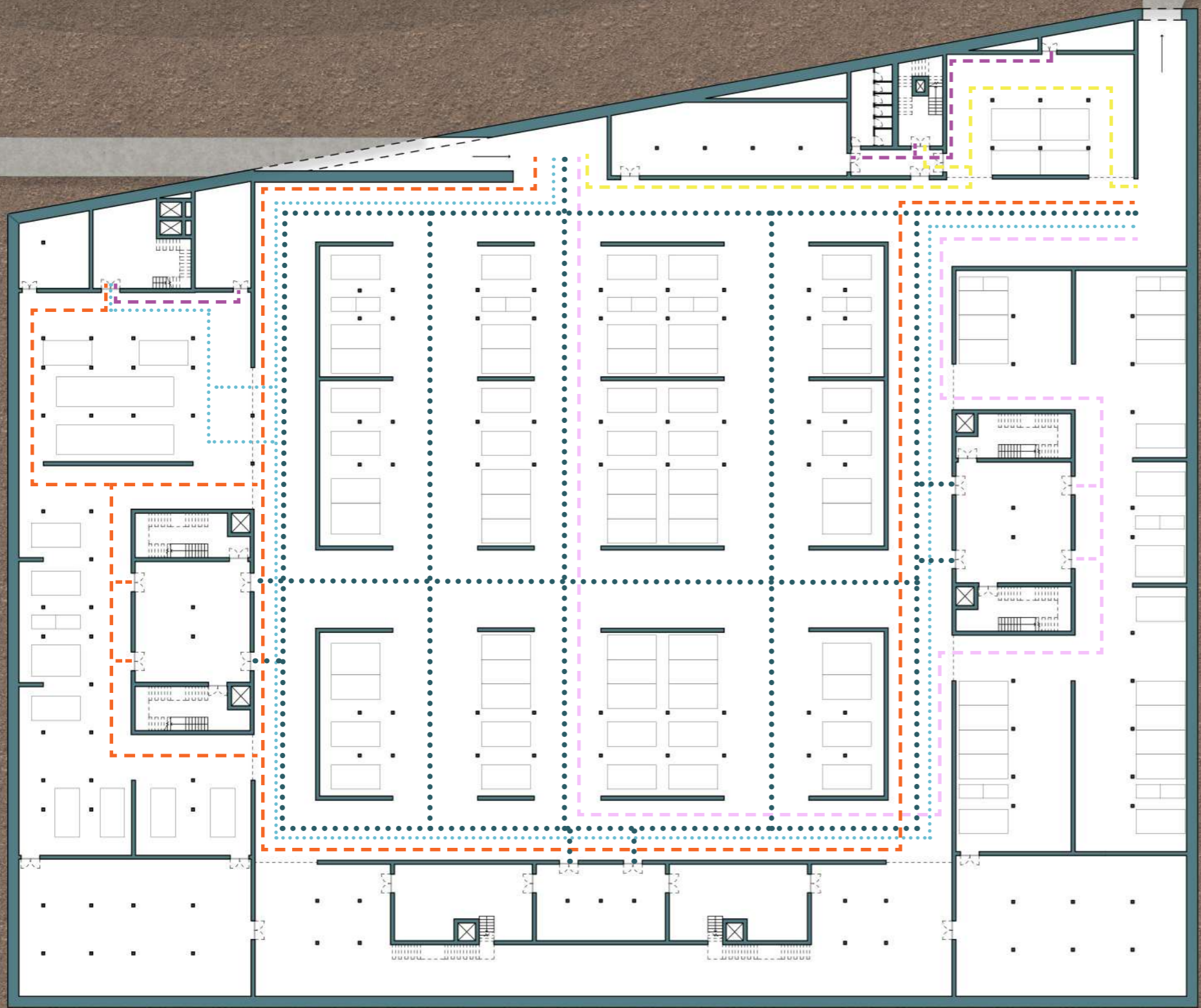


SCALA 1:500

18 PIANTE FUNZIONALE:
PIANO -2

LEGENDA

- Spettatori
- Atleti, staff e arbitri
- — — — Lavoratori centro medico atleti e antidoping
- — — — Security
- — — — Lavoratori comunicazioni
- — — — Lavoratori Arena e uffici amministrativi
- — — — Lavoratori servizi
- VIP



SCALA 1:500

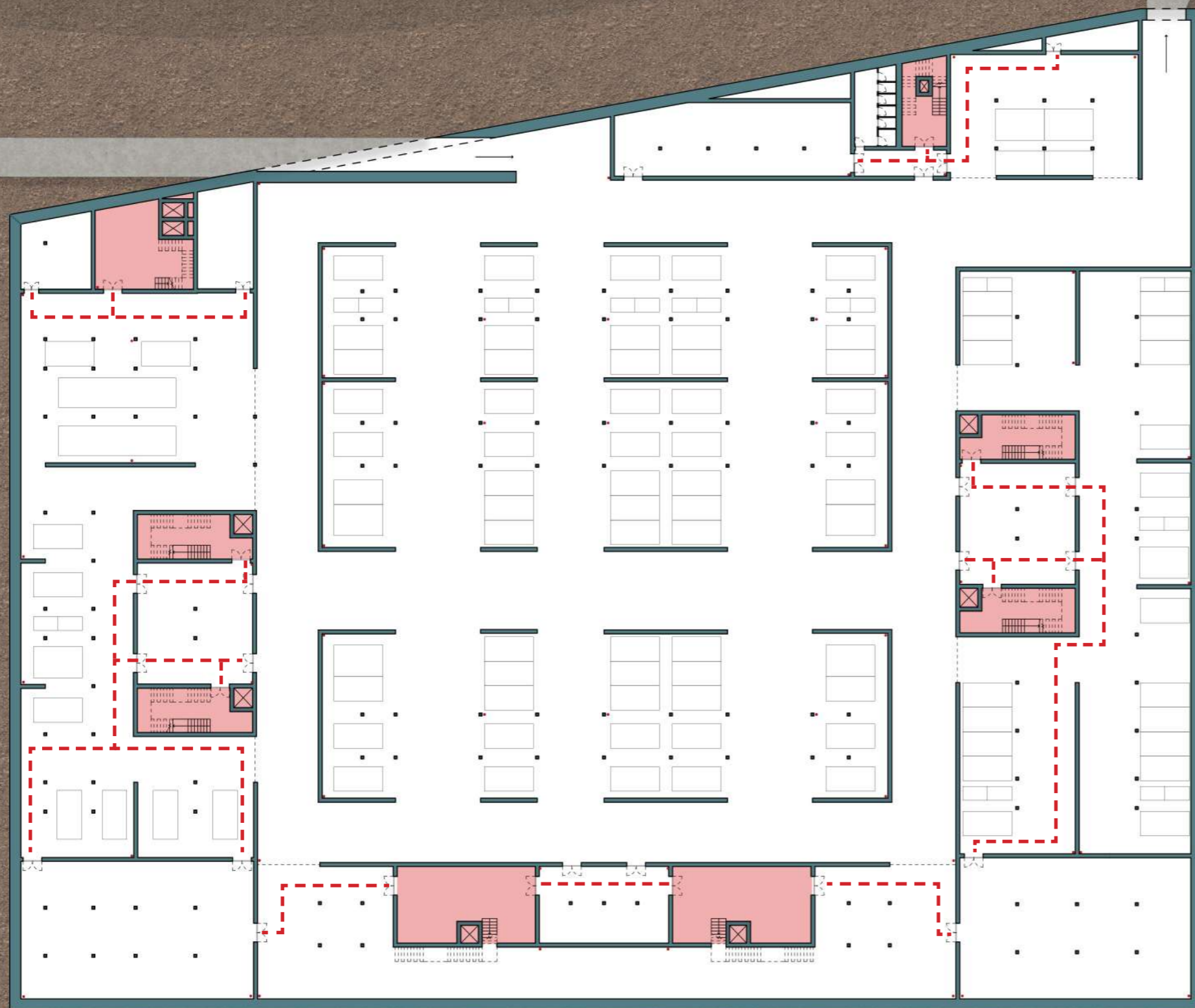
19 PIANTA FLUSSI:
PIANO -2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

- Estintori
- - - - - Vie di fuga
- Collegamenti verticali

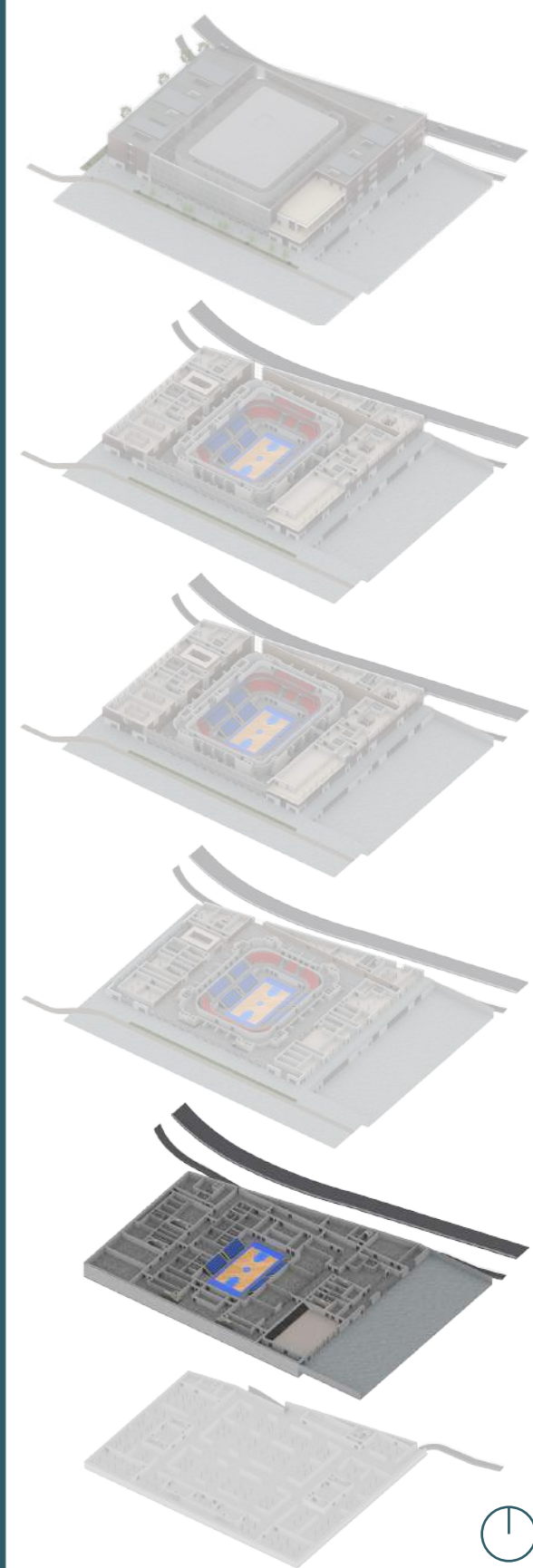
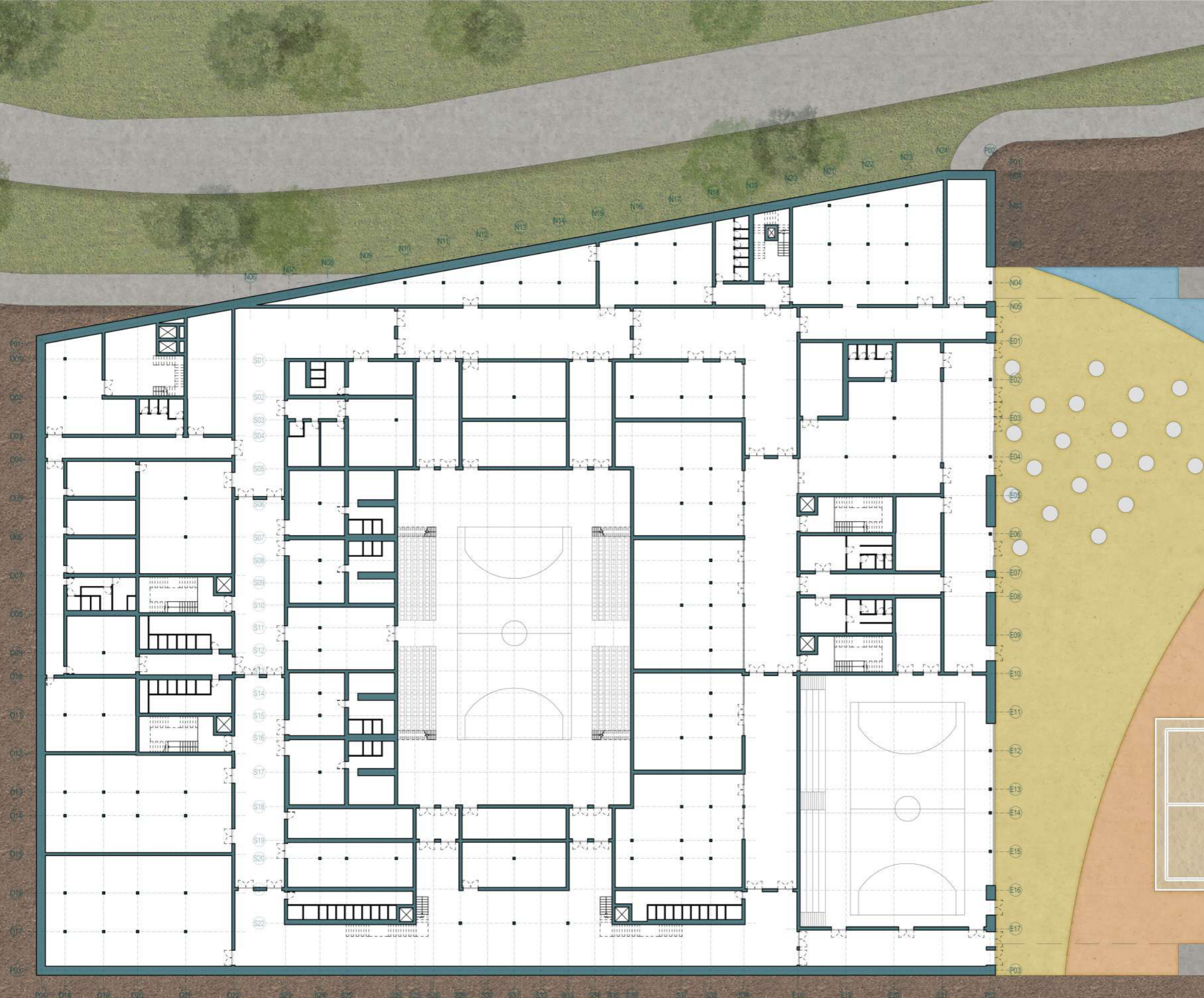


SCALA 1:500

20 PIANTA ANTINCENDIO:
PIANO -2



Annibale Alessandra
Chiesa Emily
Prelli Giulia



SCALA 1:500

21 PIANTA ARCHITETTONICA:
PIANO -1



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

- A - ATLETI**
- A.01 Parcheggi riservati
- A.02 Spogliatoi atleti
- A.02.01 Bagni e docce
- A.03 Spogliatoi personale di campo
- A.03.01 Bagni e docce
- A.04 Centro medico atleti
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- A.05.02 Stanza per l'analisi delle urine
- A.05.03 Stanza per l'analisi del sangue
- A.05.04 Ufficio
- A.05.05 Bagno
- A.06 Centro massaggi
- A.07 Spogliatoi allenatori
- A.08 Staff
- A.09 Flash interview
- B - BAGNI**
- COLLEGAMENTI VERTICALI**
- C - COMUNICAZIONI**
- C.01 Hall
- C.02 Stampa
- C.03 Broadcast
- C.03.01 Language services
- C.03.02 Zona interviste
- C.04 Commentatori e fotografi
- C.05 CCTV
- C.06 Sala riunioni
- C.07 Parcheggi riservati
- C.08 Studio TV
- C.09 Press conference room
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- LT - LOCALI TECNICI**
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- S - SECURITY**
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- S.04 Bag X ray
- S.05 Screening veicoli
- SE - SERVIZI**
- SE.01 Merchandising
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- SE.03 Bar
- SE.04 Ristorante
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- SP.01.07 Settore F
- SP.02 Centro medico spettatori
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- SP.04 Info point
- SP.05 Guardaroba
- SP.06 Parcheggi
- T - TERRAZZA**
- U - UFFICI**
- U.01 Accreditation
- U.02 Competition Management
- U.03 Ceremony Staging
- U.04 Logistic center
- U.05 Centro direzionale
- U.06 Parcheggi riservati
- V - VIP**
- V.01 VIP Lounge
- V.02 VIP Box

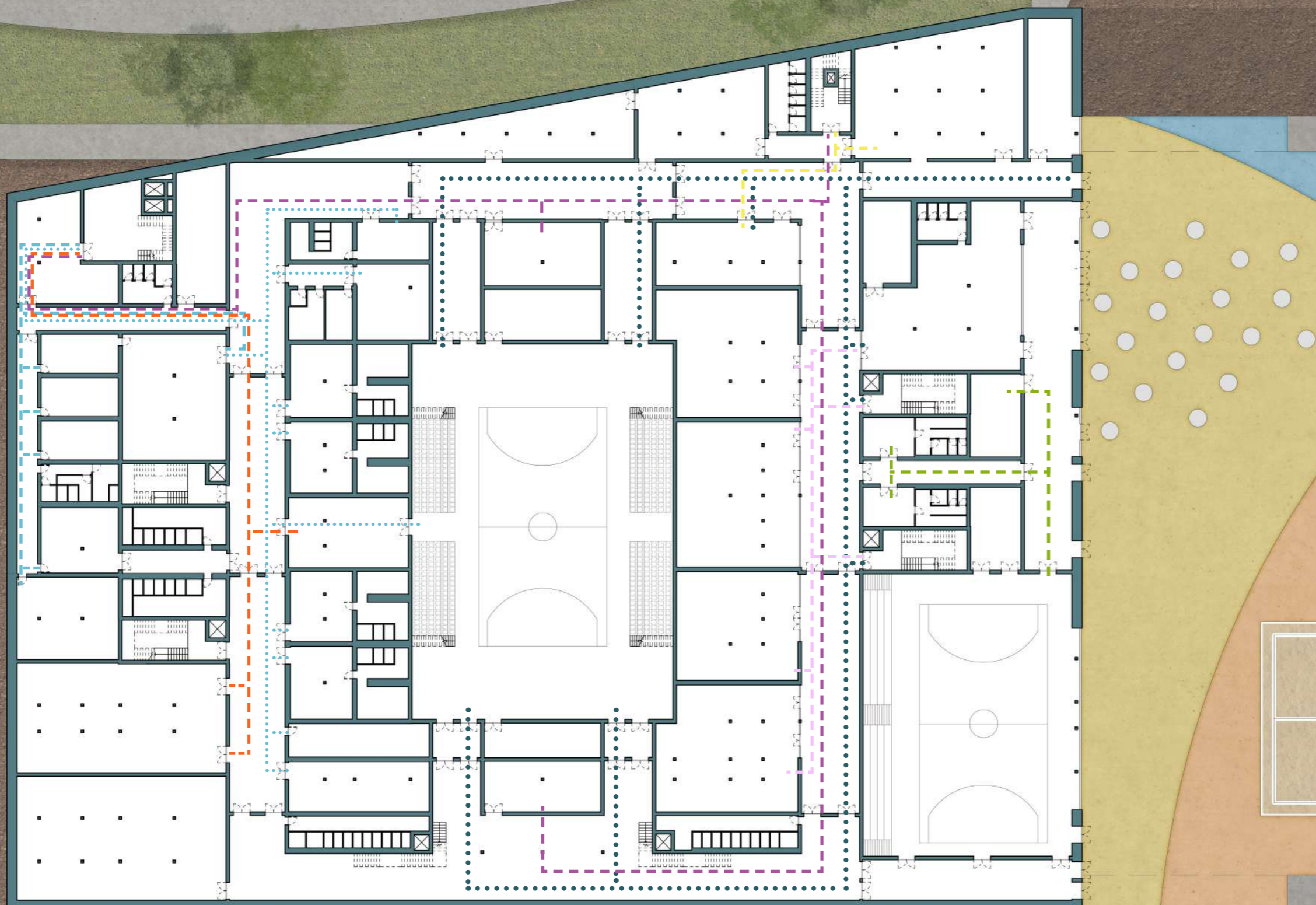


SCALA 1:500

22 PIANTA FUNZIONALE:
PIANO -1

LEGENDA

- Spettatori
- Atleti, staff e arbitri
- — — — Lavoratori centro medico atleti e antidoping
- — — — Security
- — — — Lavoratori comunicazioni
- — — — Lavoratori Arena e uffici amministrativi
- — — — Lavoratori servizi
- VIP

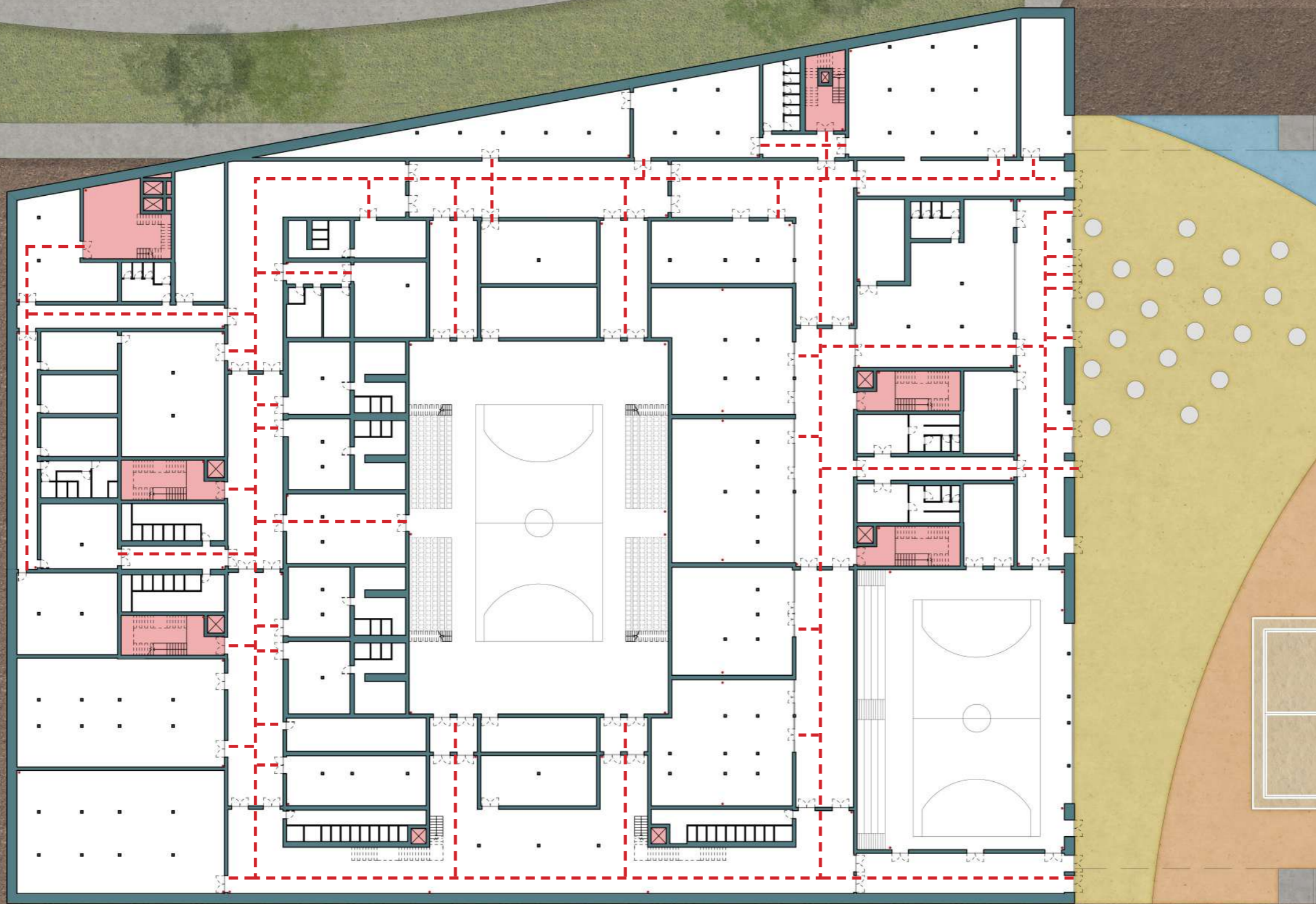


SCALA 1:500

23 PIANTA FLUSSI:
PIANO -1

LEGENDA

- Estintori
- - - Vie di fuga
- Collegamenti verticali

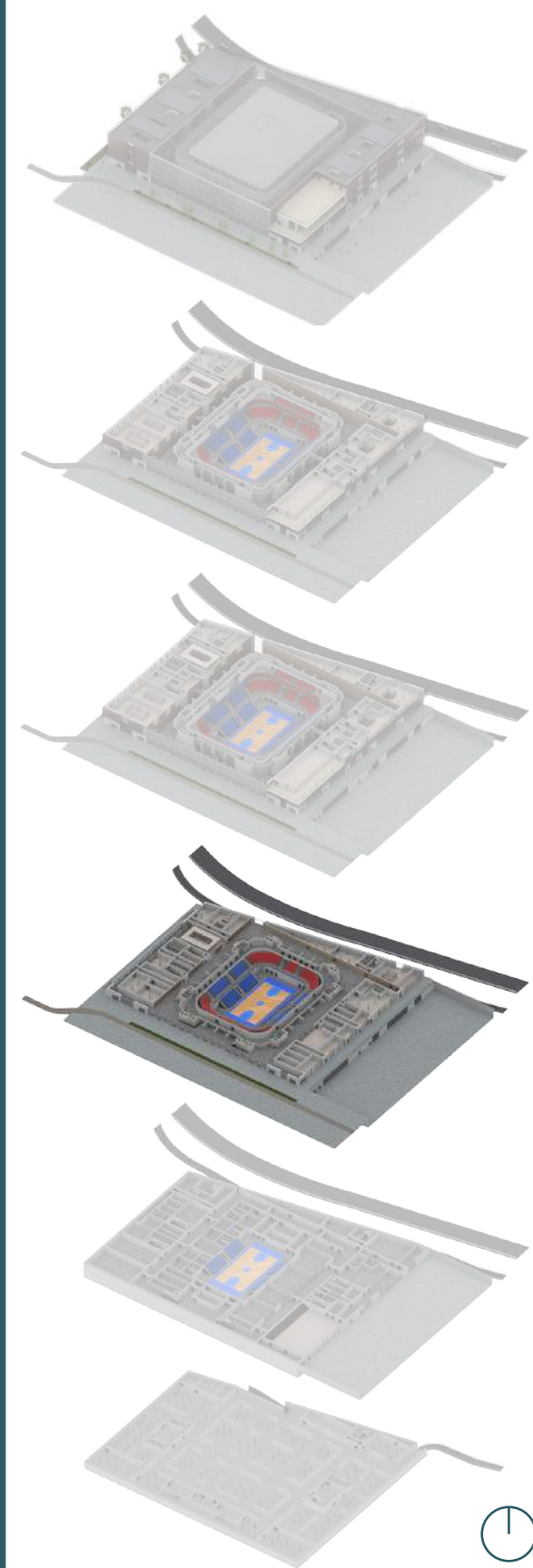
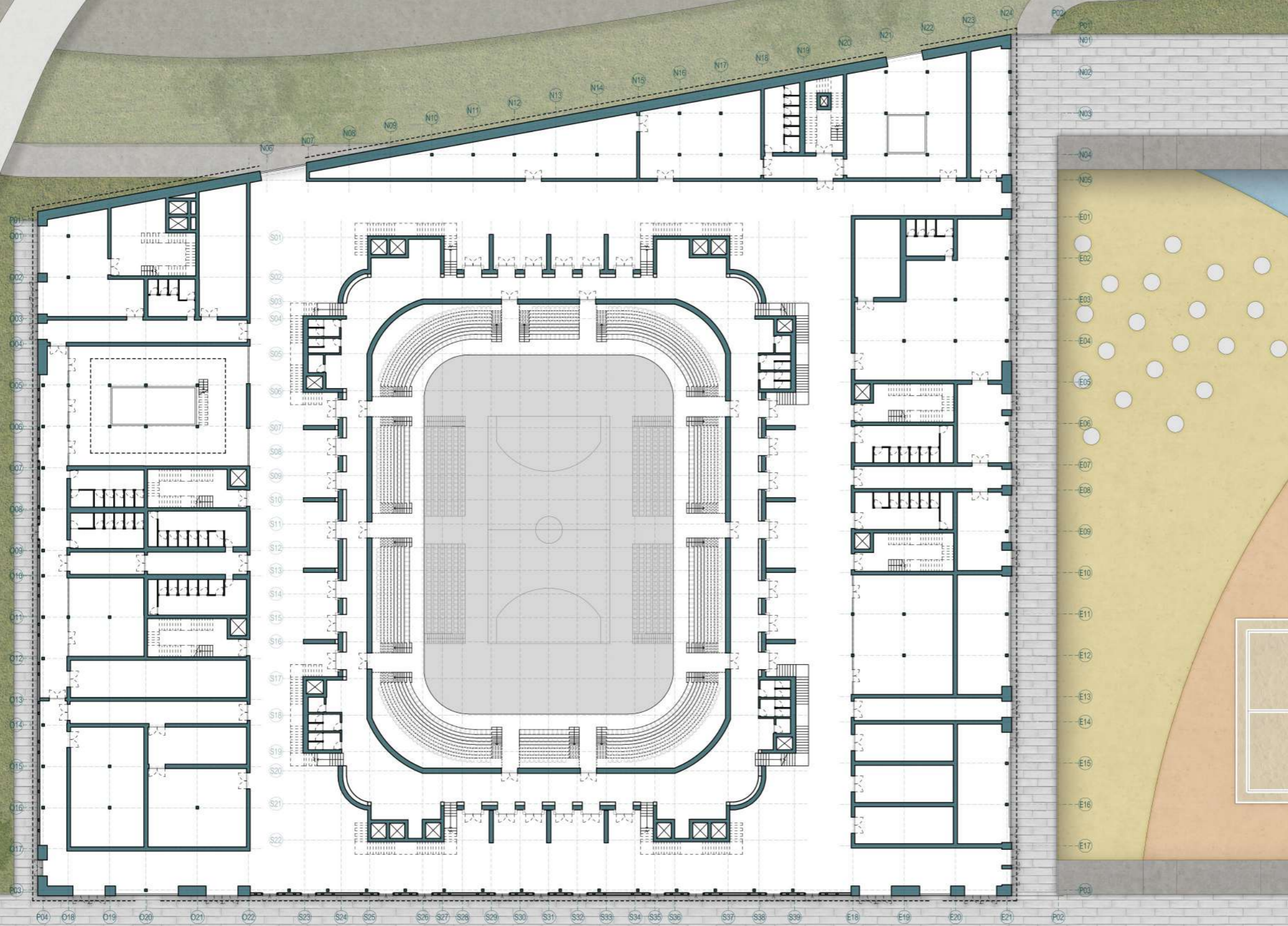


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24 PIANTA ANTINCENDIO:
PIANO -1



Annibale Alessandra
Chiesa Emily
Prelli Giulia



SCALA 1:500

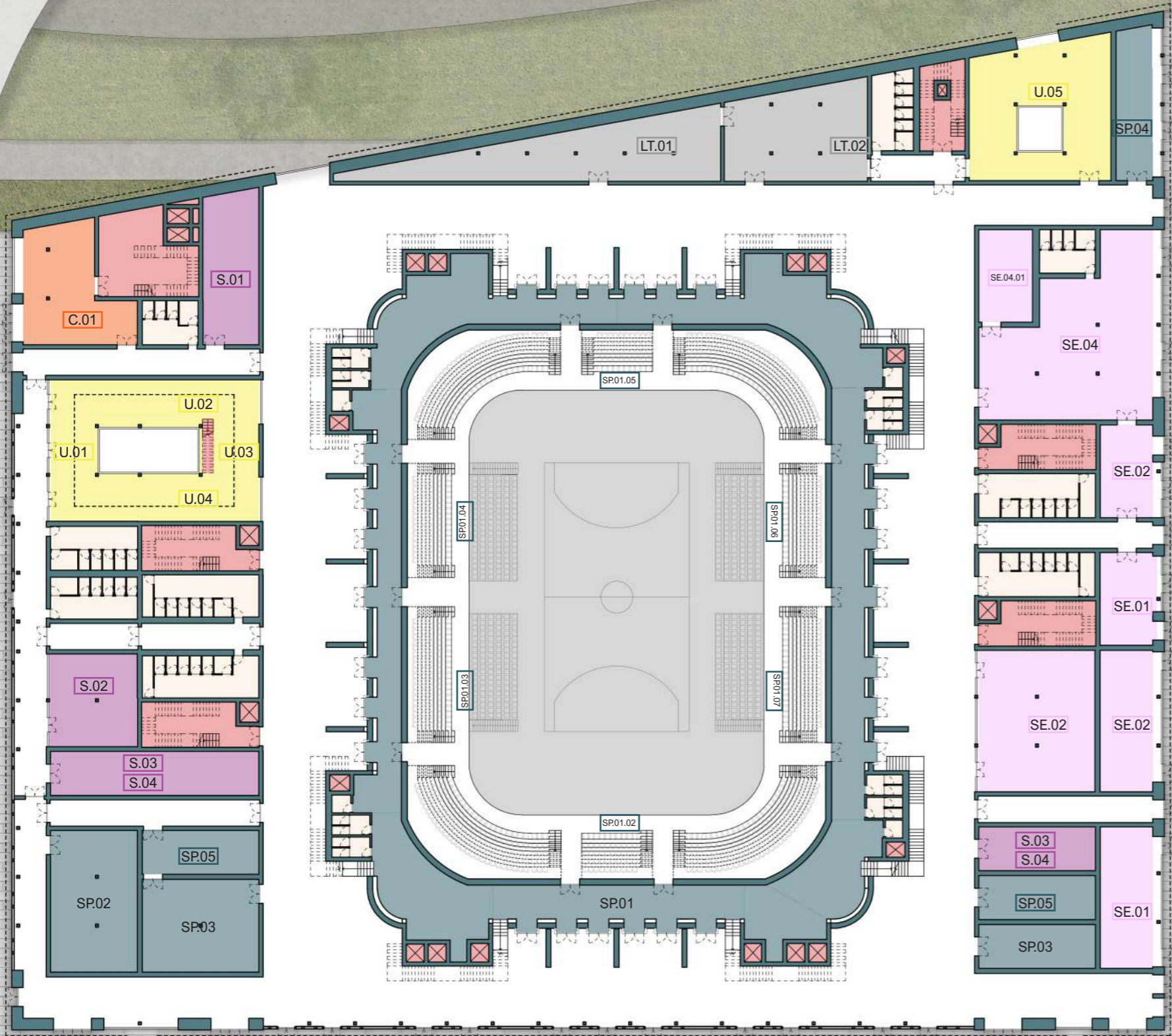
25 PIANTA ARCHITETTONICA:
PIANO +0



Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

- A - ATLETI**
- A.01 Parcheggi riservati
- A.02 Spogliatoi atleti
- A.02.01 Bagni e docce
- A.03 Spogliatoi personale di campo
- A.03.01 Bagni e docce
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- A.05.03 Stanza per l'analisi del sangue
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- A.06 Centro massaggi
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- SP.04 Info point
- SP.05 Guardaroba
- SP.06 Parcheggi
- T - TERRAZZA**
- U - UFFICI**
- U.01 Accreditation
- U.02 Competition Management
- U.03 Ceremony Staging
- U.04 Logistic center
- U.05 Centro direzionale
- U.06 Parcheggi riservati
- V - VIP**
- V.01 VIP Lounge
- V.02 VIP Box



SCALA 1:500

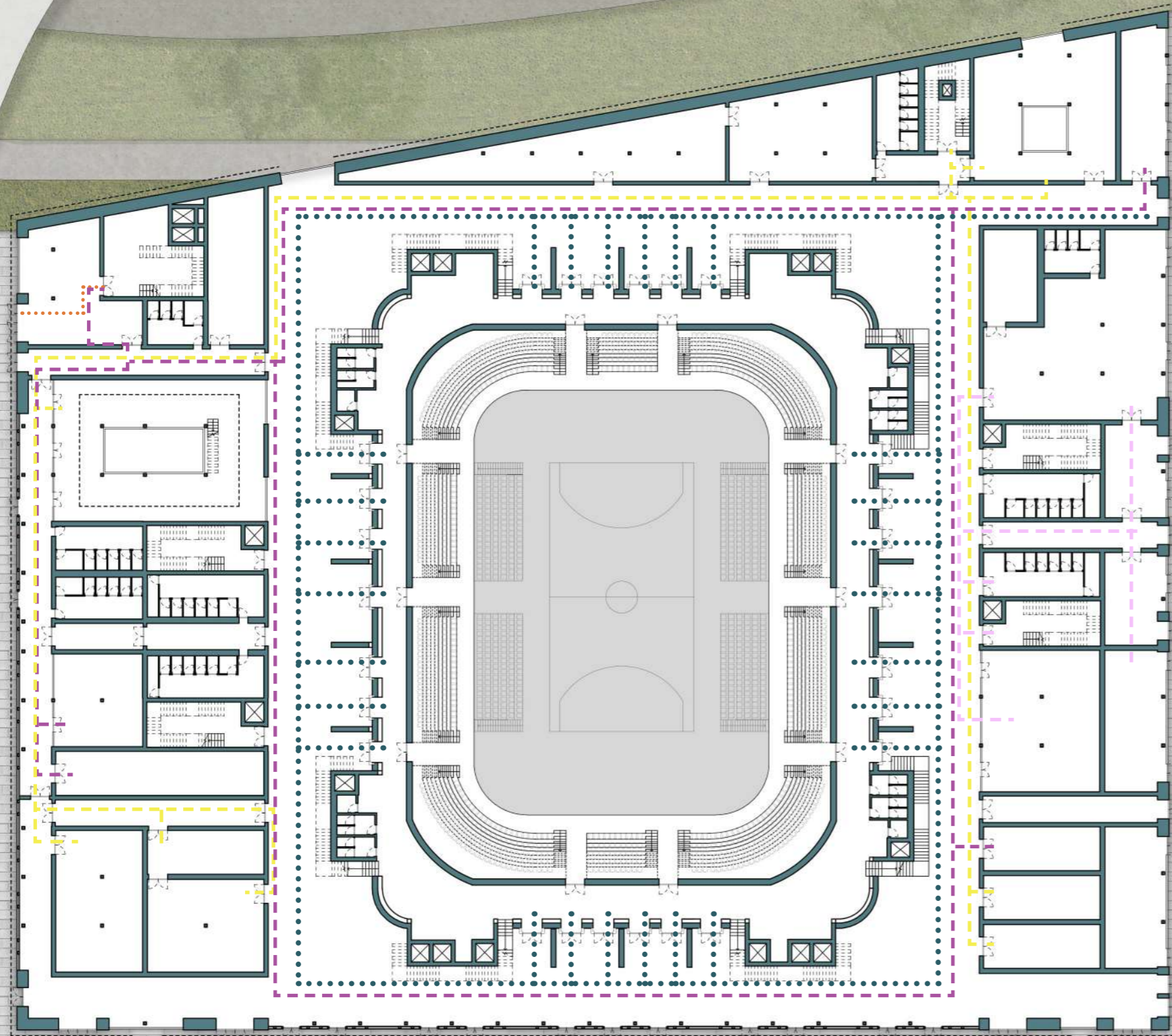
26 PIANTA FUNZIONALE:
PIANO +0



Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

- Spettatori
- Atleti, staff e arbitri
- — — — Lavoratori centro medico atleti e antidoping
- — — — Security
- — — — Lavoratori comunicazioni
- — — — Lavoratori Arena e uffici amministrativi
- — — — Lavoratori servizi
- VIP



SCALA 1:500

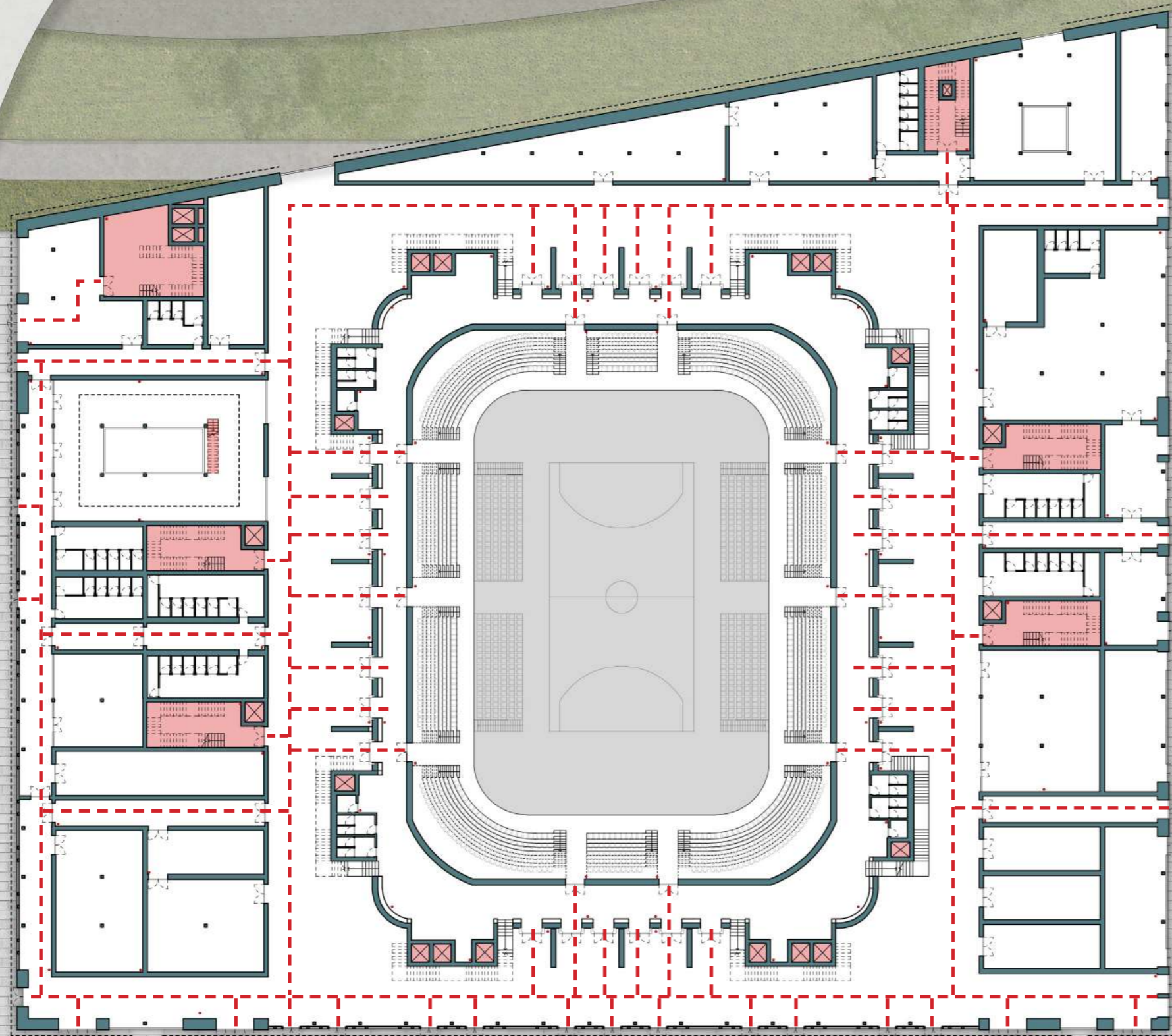
27 PIANTA FLUSSI:
PIANO +0



Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

- Estintori
- - - Vie di fuga
- Collegamenti verticali

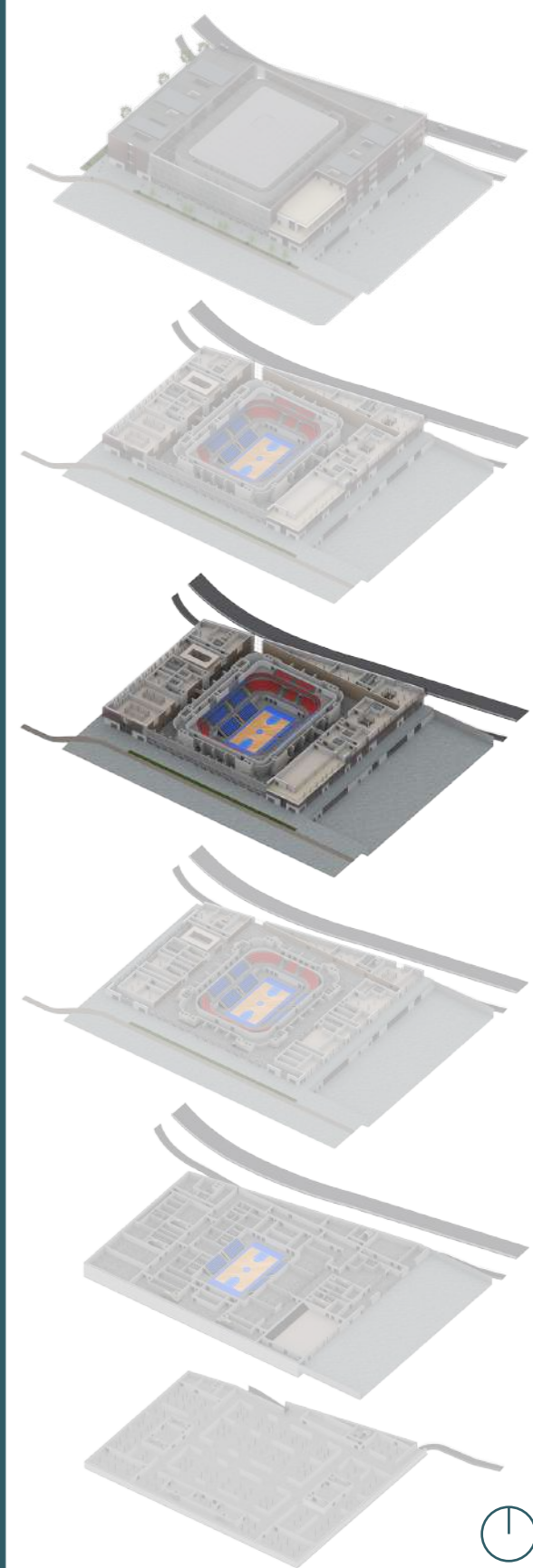
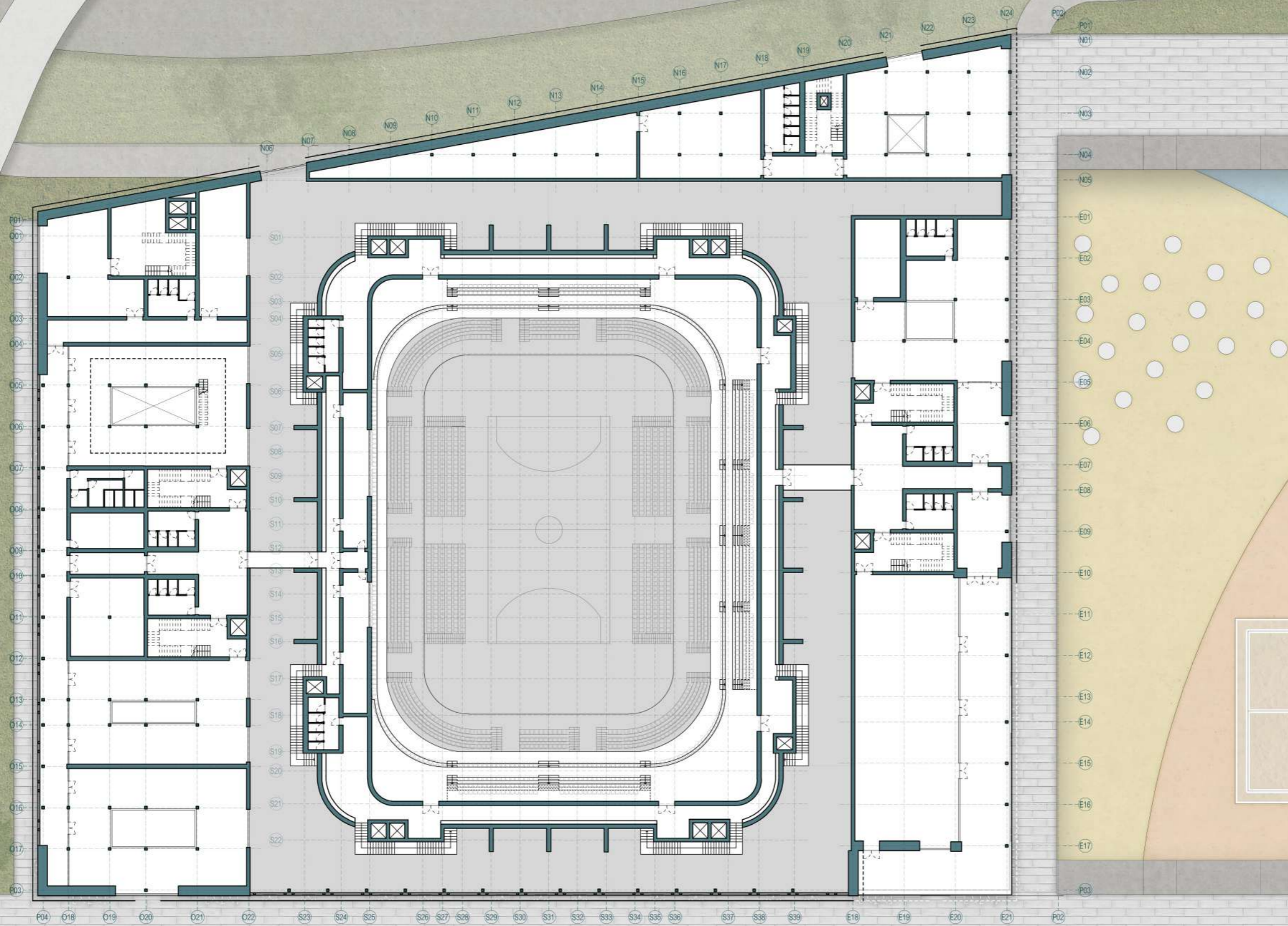


SCALA 1:500

28 PIANTA ANTINCENDIO:
PIANO +0



Annibale Alessandra
Chiesa Emily
Prelli Giulia

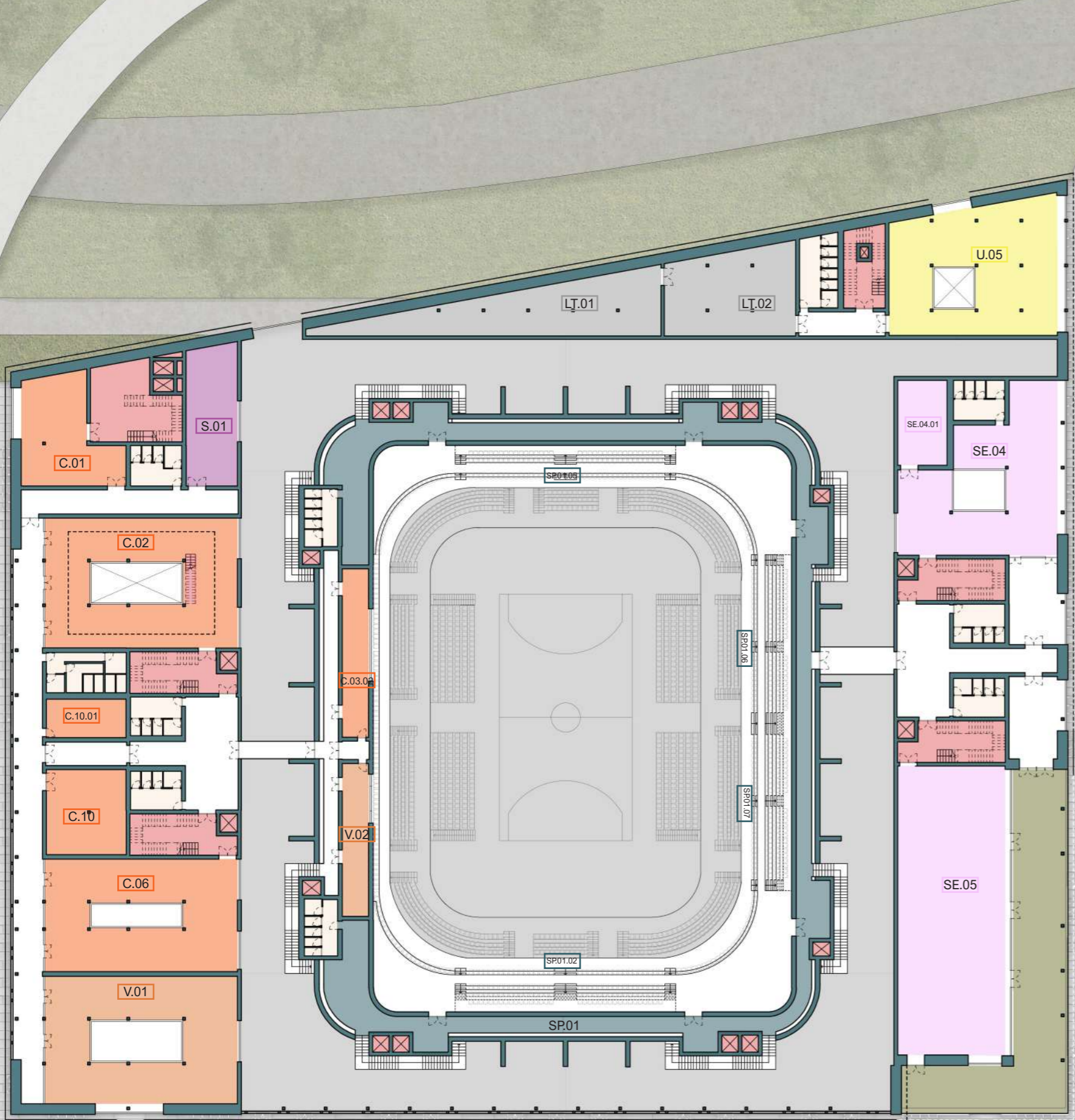


SCALA 1:500

29 PIANTA ARCHITETTONICA:
PIANO +1



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

- A - ATLETI**
- A.01 Parcheggi riservati
- A.02 Spogliatoi atleti
- A.02.01 Bagni e docce
- A.03 Spogliatoi personale di campo
- A.03.01 Bagni e docce
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- A.05.05 Bagno
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- A.07 Spogliatoi allenatori
- A.08 Staff
- A.09 Flash interview
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- COLLEGAMENTI VERTICALI**
- C - COMUNICAZIONI**
- C.01 Hall
- C.02 Stampa
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- C.04 Commentatori e fotografi
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- C.07 Parcheggi riservati
- C.08 Studio TV
- C.09 Press conference room
- C.10 Area ristoro
- C.10.01 Cucina
- LT - LOCALI TECNICI**
- LT.01 Locale tecnico
- LT.02 Magazzino
- LT.03 Logistica
- P - PALESTRA CITTADINA**
- P.01 Hall
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- P.03 Spogliatoi
- P.03.01 Bagni
- S - SECURITY**
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- S.03 Screening
- S.04 Bag X ray
- S.05 Screening veicoli
- SE - SERVIZI**
- SE.01 Merchandising
- SE.02 Negozi
- SE.03 Bar
- SE.04 Ristorante
- SE.04.01 Cucina
- SE.05 Area relax
- SE.06 Spazio eventi
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- SP.01 Accesso spalti
- SP.01.01 Tribune telescopiche
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- SP.02 Centro medico spettatori
- SP.03 Biglietteria
- SP.04 Info point
- SP.05 Guardaroba
- SP.06 Parcheggi
- T - TERRAZZA**
- U - UFFICI**
- U.01 Accreditation
- U.02 Competition Management
- U.03 Ceremony Staging
- U.04 Logistic center
- U.05 Centro direzionale
- U.06 Parcheggi riservati
- V - VIP**
- V.01 VIP Lounge
- V.02 VIP Box



SCALA 1:500

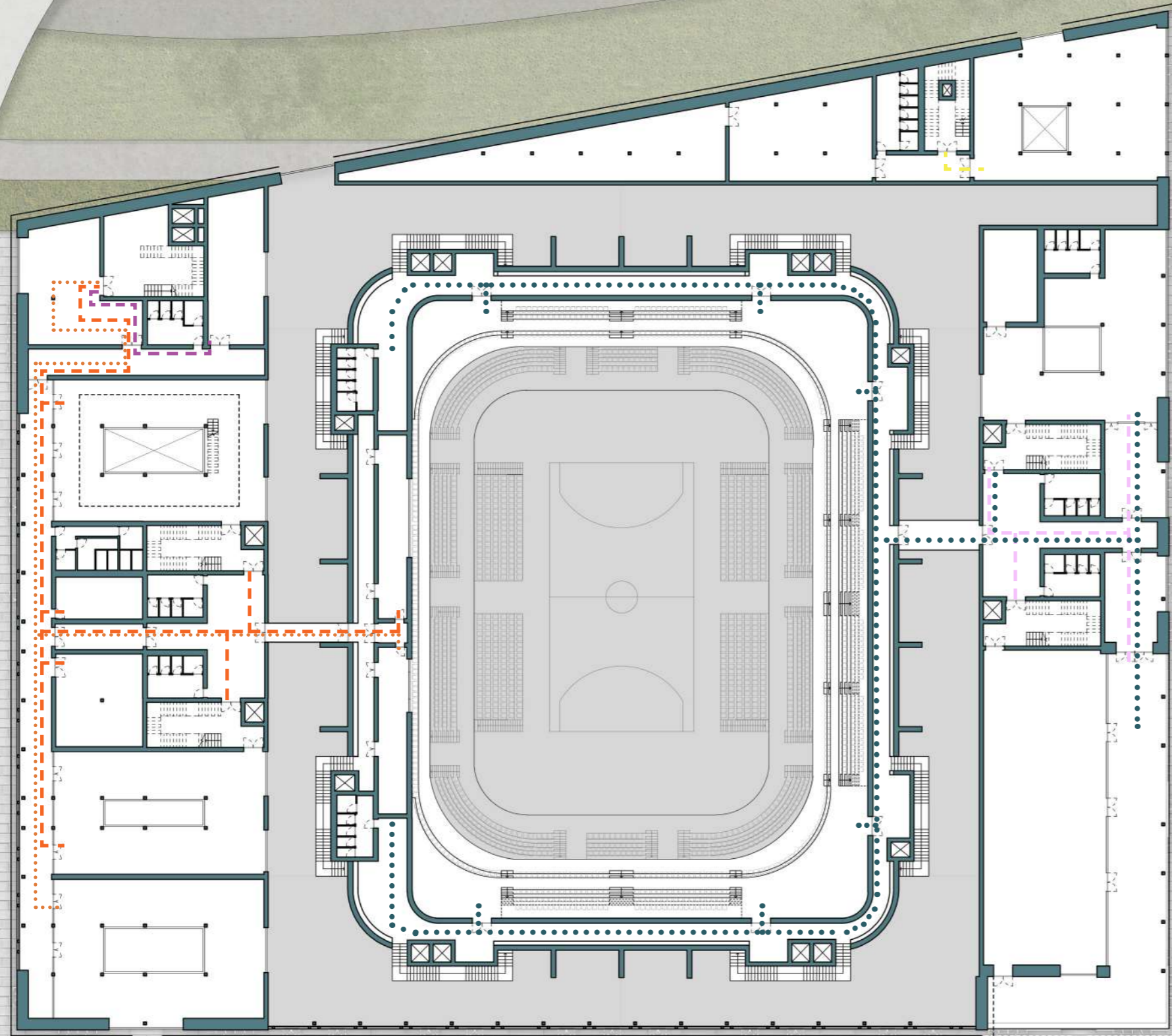
30 PIANTA FUNZIONALE:
PIANO +1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

- Spettatori
- Atleti, staff e arbitri
- — — — Lavoratori centro medico atleti e antidoping
- — — — Security
- — — — Lavoratori comunicazioni
- — — — Lavoratori Arena e uffici amministrativi
- — — — Lavoratori servizi
- VIP



SCALA 1:500

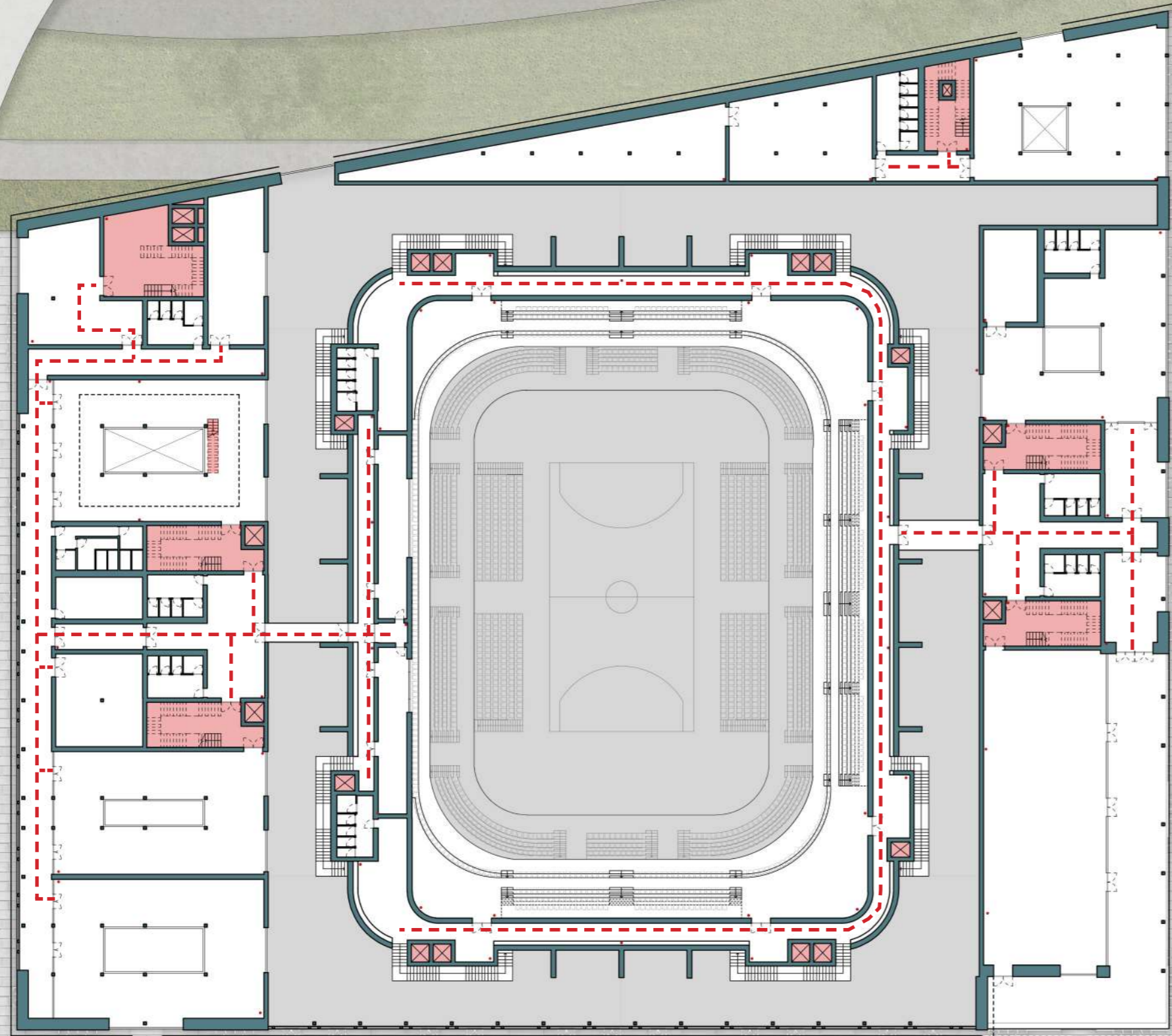
31 PIANTA FLUSSI:
PIANO +1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

- Estintori
- - - Vie di fuga
- Collegamenti verticali

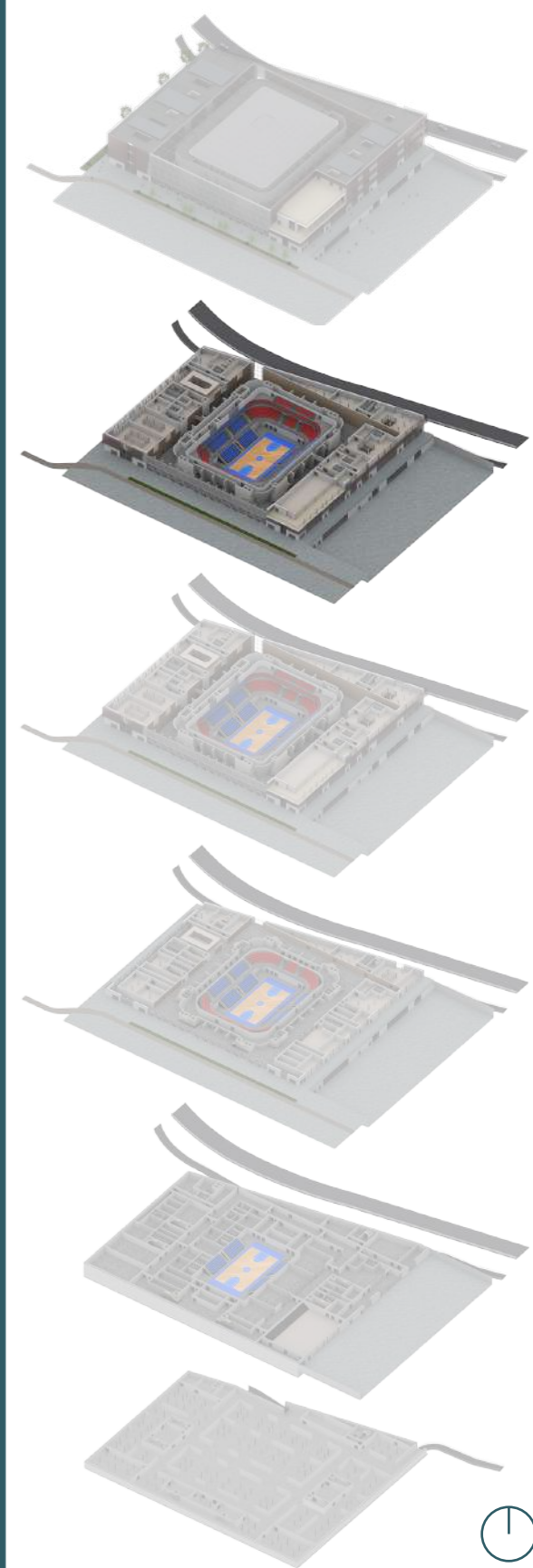
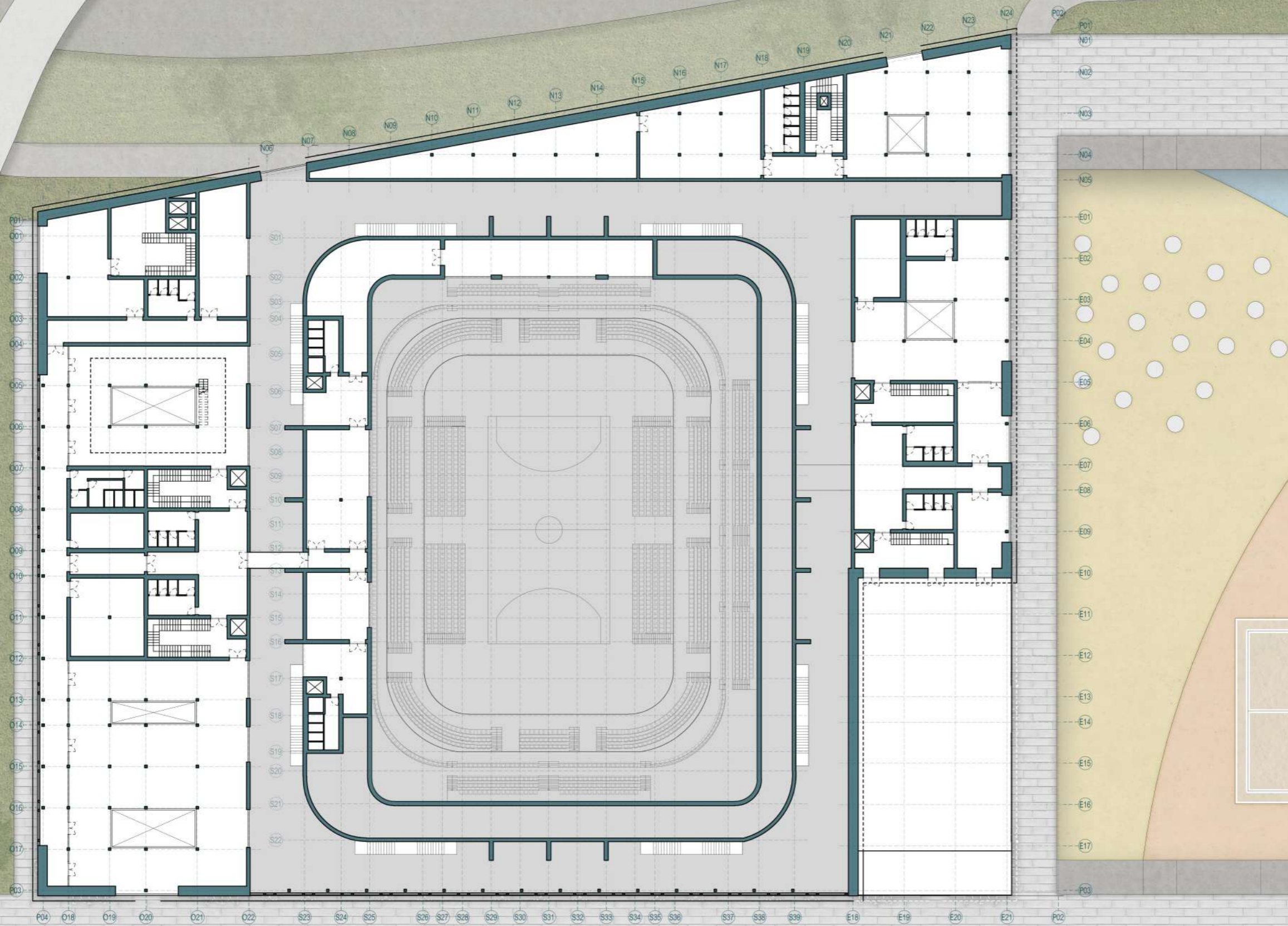


SCALA 1:500

32 PIANTA ANTINCENDIO:
PIANO +1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

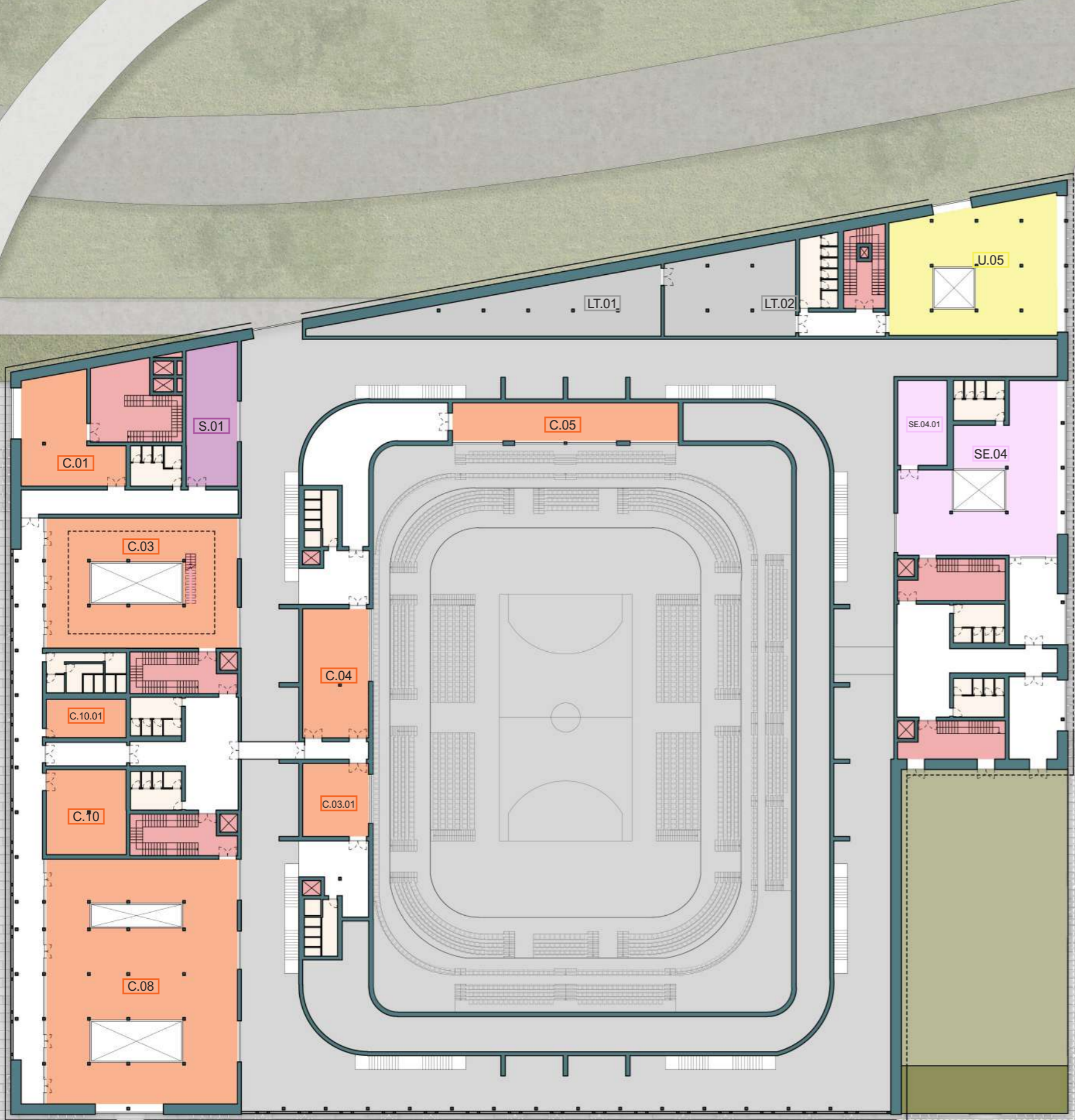


SCALA 1:500

33 PIANTA ARCHITETTONICA:
PIANO +2



Annibale Alessandra
Chiesa Emily
Prelli Giulia



LEGENDA

- A - ATLETI**
- A.01 Parcheggi riservati
- A.02 Spogliatoi atleti
- A.02.01 Bagni e docce
- A.03 Spogliatoi personale di campo
- A.03.01 Bagni e docce
- A.04 Centro medico atleti
- A.05 Locale antidoping
- A.05.01 Zona di attesa
- A.05.02 Stanza per l'analisi delle urine
- A.05.03 Stanza per l'analisi del sangue
- A.05.04 Ufficio
- A.05.05 Bagno
- A.06 Centro massaggi
- A.07 Spogliatoi allenatori
- A.08 Staff
- A.09 Flash interview
- B - BAGNI**
- COLLEGAMENTI VERTICALI**
- C - COMUNICAZIONI**
- C.01 Hall
- C.02 Stampa
- C.03 Broadcast
- C.03.01 Language services
- C.03.02 Zona interviste
- C.04 Commentatori e fotografi
- C.05 CCTV
- C.06 Sala riunioni
- C.07 Parcheggi riservati
- C.08 Studio TV
- C.09 Press conference room
- C.10 Area ristoro
- C.10.01 Cucina
- LT - LOCALI TECNICI**
- LT.01 Locale tecnico
- LT.02 Magazzino
- LT.03 Logistica
- P - PALESTRA CITTADINA**
- P.01 Hall
- P.02 Palestra
- P.03 Spogliatoi
- P.03.01 Bagni
- S - SECURITY**
- S.01 Security room
- S.02 Command centre con gabbie per cani
- S.03 Screening
- S.04 Bag X ray
- S.05 Screening veicoli
- SE - SERVIZI**
- SE.01 Merchandising
- SE.02 Negozi
- SE.03 Bar
- SE.04 Ristorante
- SE.04.01 Cucina
- SE.05 Area relax
- SE.06 Spazio eventi
- SE.07 Parcheggi riservati
- SP - SPETTATORI**
- SP.01 Accesso spalti
- SP.01.01 Tribune telescopiche
- SP.01.02 Settore A
- SP.01.03 Settore B
- SP.01.04 Settore C
- SP.01.05 Settore D
- SP.01.06 Settore E
- SP.01.07 Settore F
- SP.02 Centro medico spettatori
- SP.03 Biglietteria
- SP.04 Info point
- SP.05 Guardaroba
- SP.06 Parcheggi
- T - TERRAZZA**
- U - UFFICI**
- U.01 Accreditation
- U.02 Competition Management
- U.03 Ceremony Staging
- U.04 Logistic center
- U.05 Centro direzionale
- U.06 Parcheggi riservati
- V - VIP**
- V.01 VIP Lounge
- V.02 VIP Box



SCALA 1:500

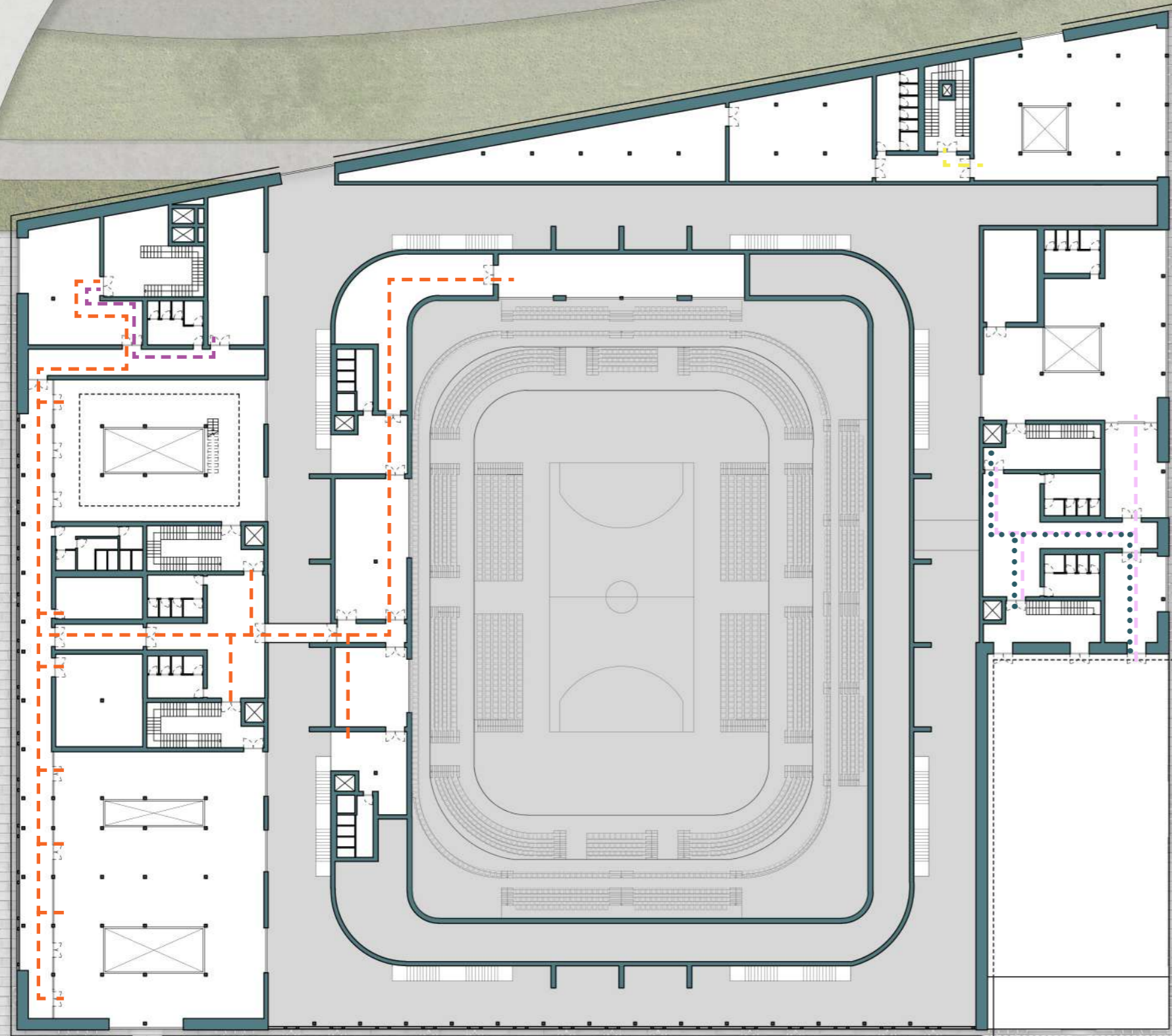
34 PIANTA FUNZIONALE:
PIANO +2



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Chiesa Emily
Prelli Giulia

LEGENDA

- Spettatori
- Atleti, staff e arbitri
- Lavoratori centro medico atleti e antidoping
- Security
- Lavoratori comunicazioni
- Lavoratori Arena e uffici amministrativi
- Lavoratori servizi
- VIP



SCALA 1:500

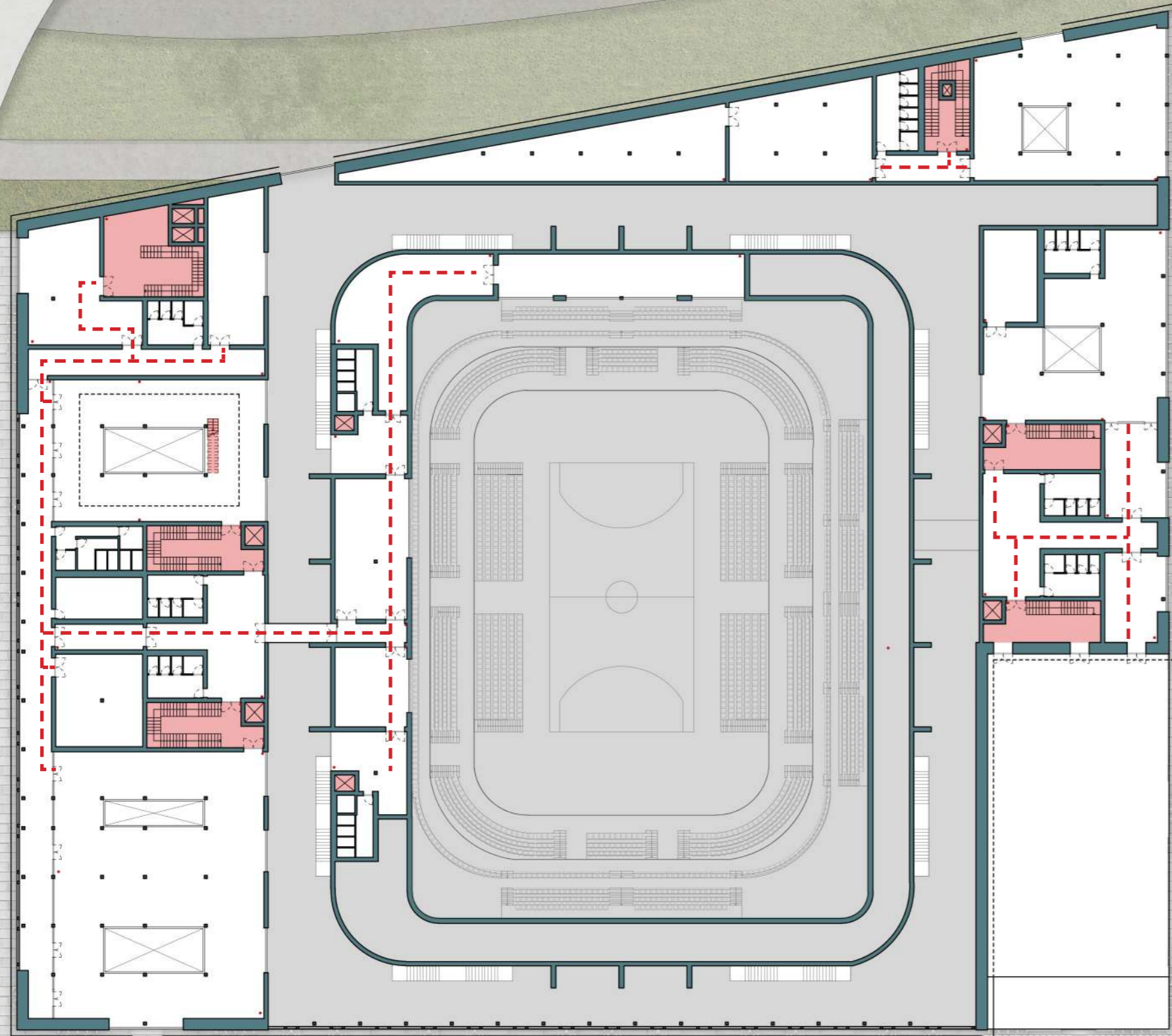
35 PIANTA FLUSSI:
PIANO +2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

- Estintori
- - - Vie di fuga
- Collegamenti verticali

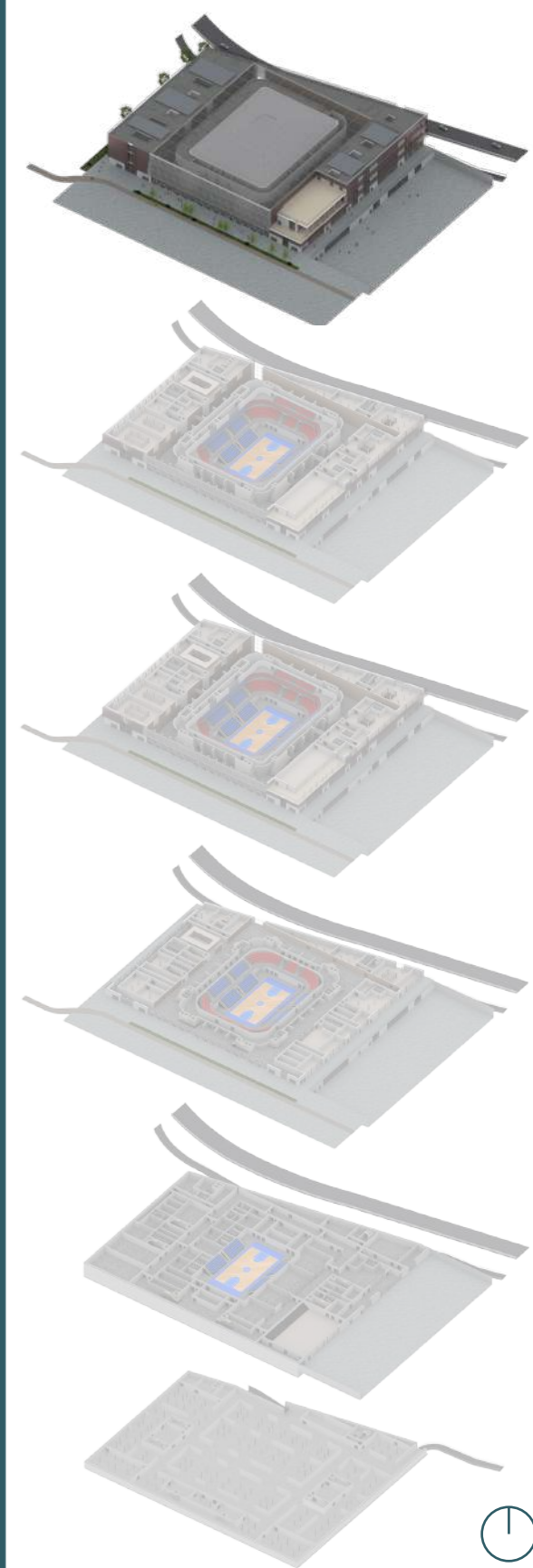
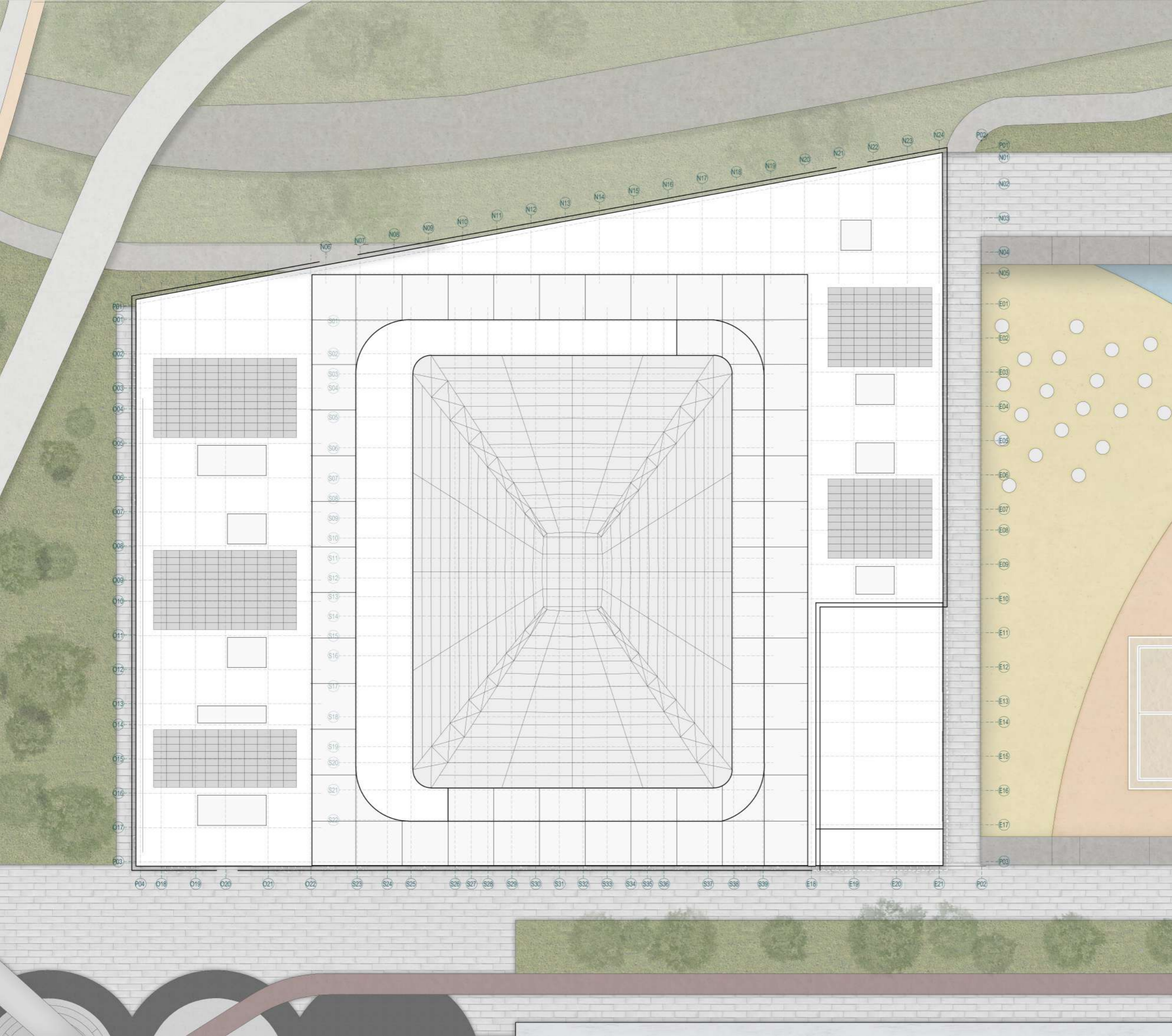


SCALA 1:500

36 PIANTA ANTINCENDIO:
PIANO +2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

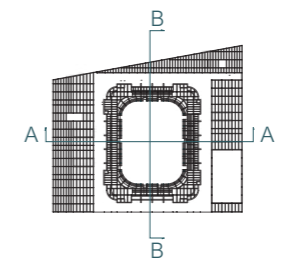
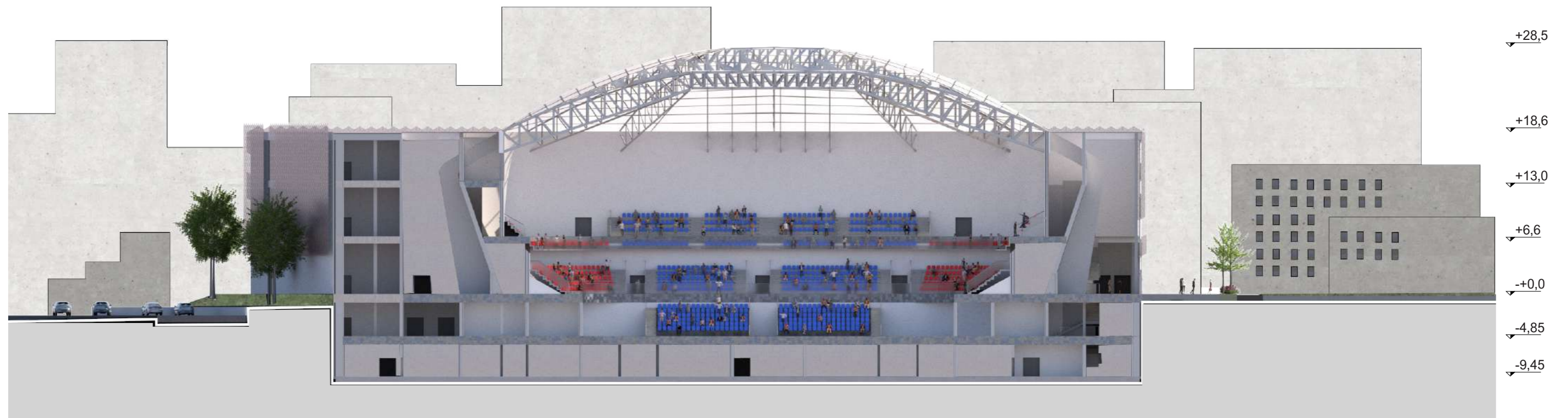
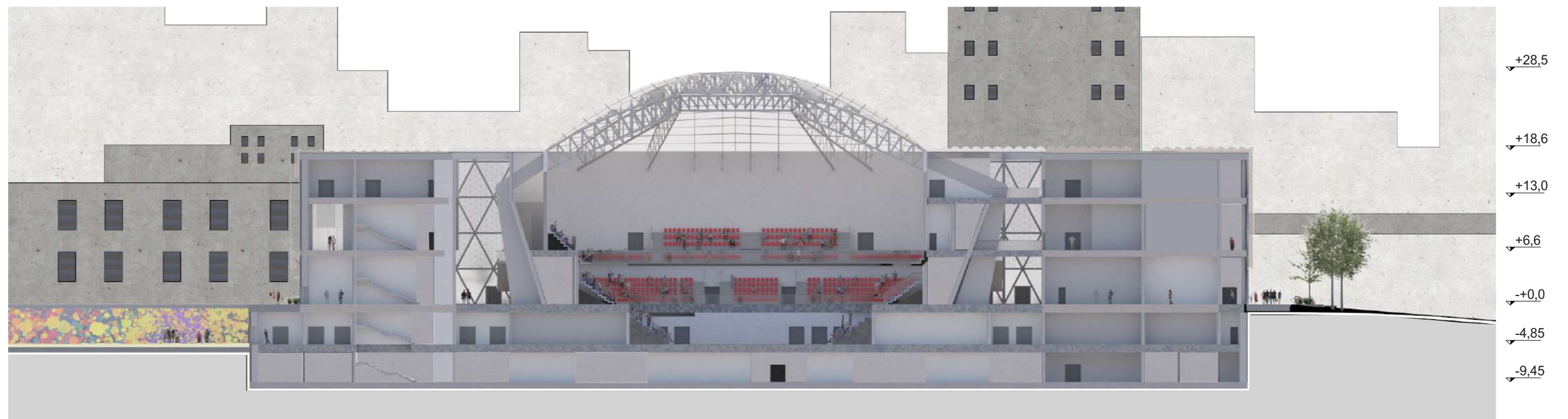


SCALA 1:500

37 PIANTA ARCHITETTONICA:
COPERTURA



Annibale Alessandra
Chiesa Emily
Prelli Giulia



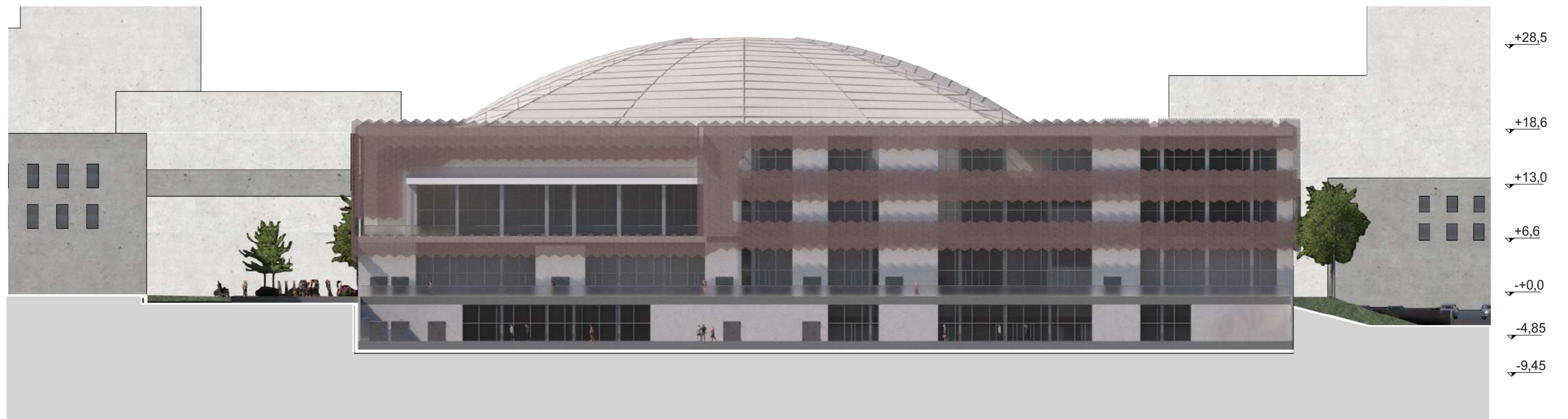
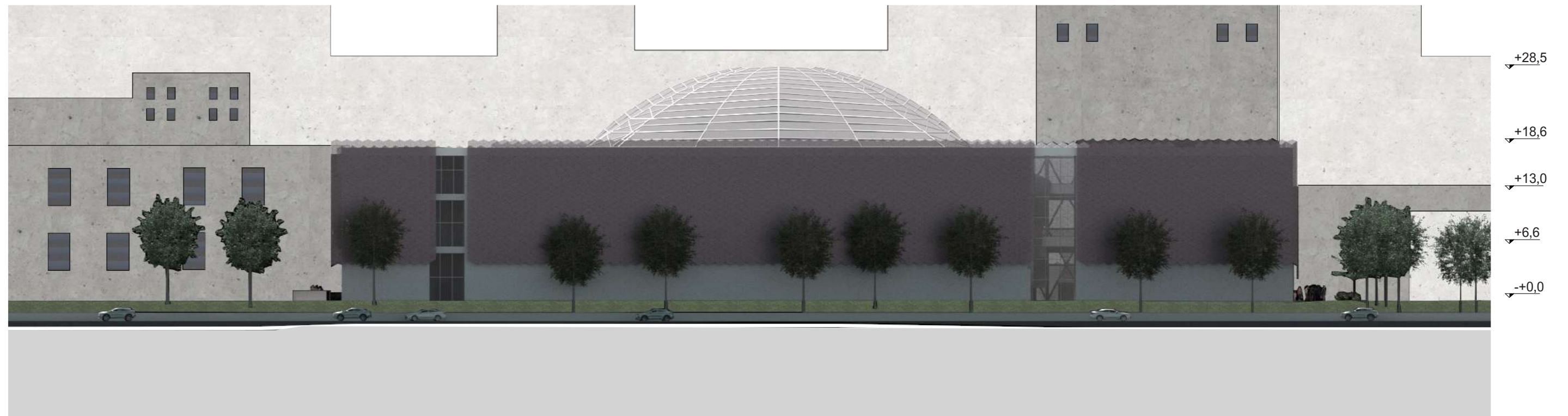
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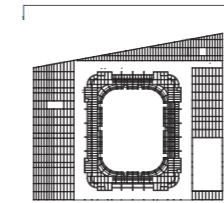
38 SEZIONI ARCHITETTONICHE:
A-A E B-B



Annibale Alessandra
Chiesa Emily
Prelli Giulia



PROSPETTO
NORD



PROSPETTO
EST

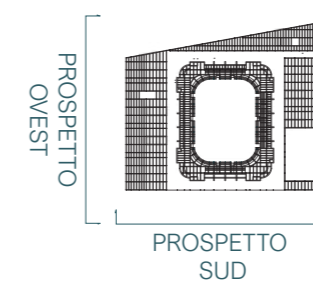
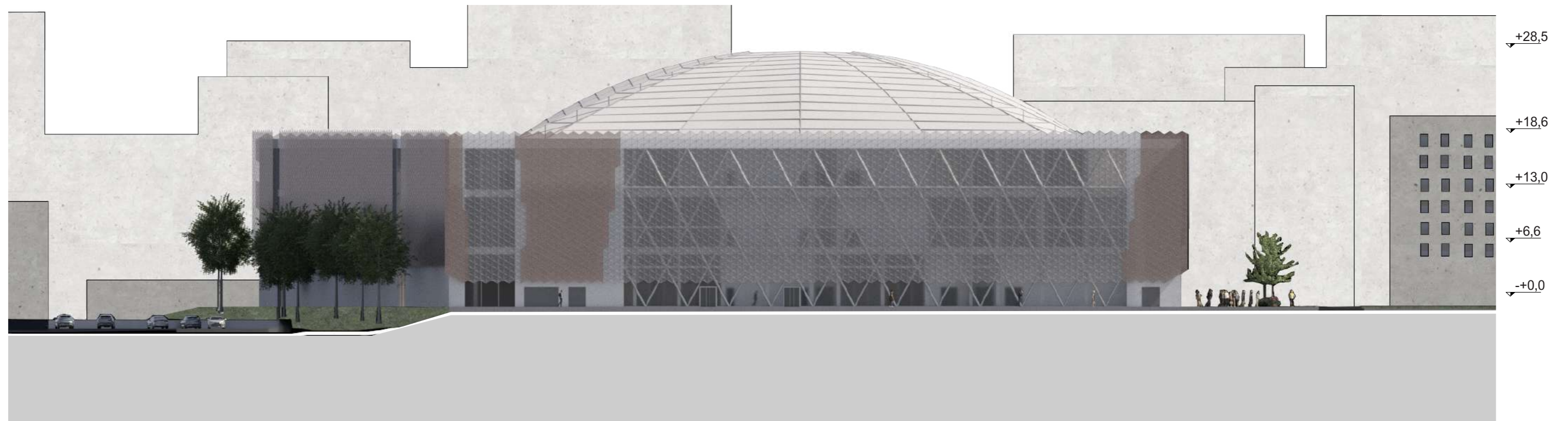
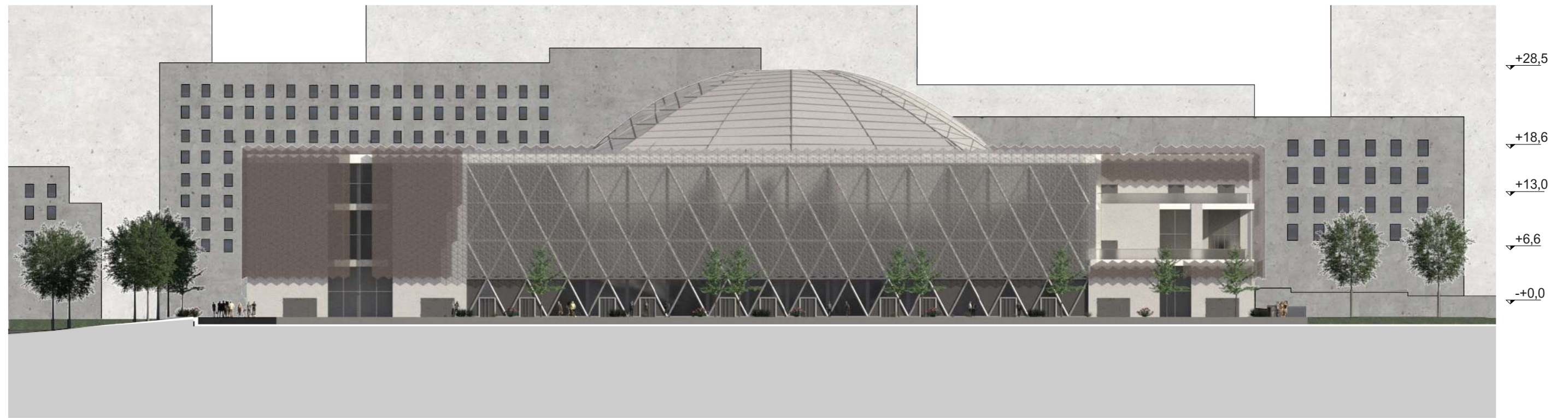
0 5 10 20 m

SCALA 1:500

39 PROSPETTO NORD E EST



Annibale Alessandra
Chiesa Emily
Prelli Giulia



0 5 10 20 m

SCALA 1:500

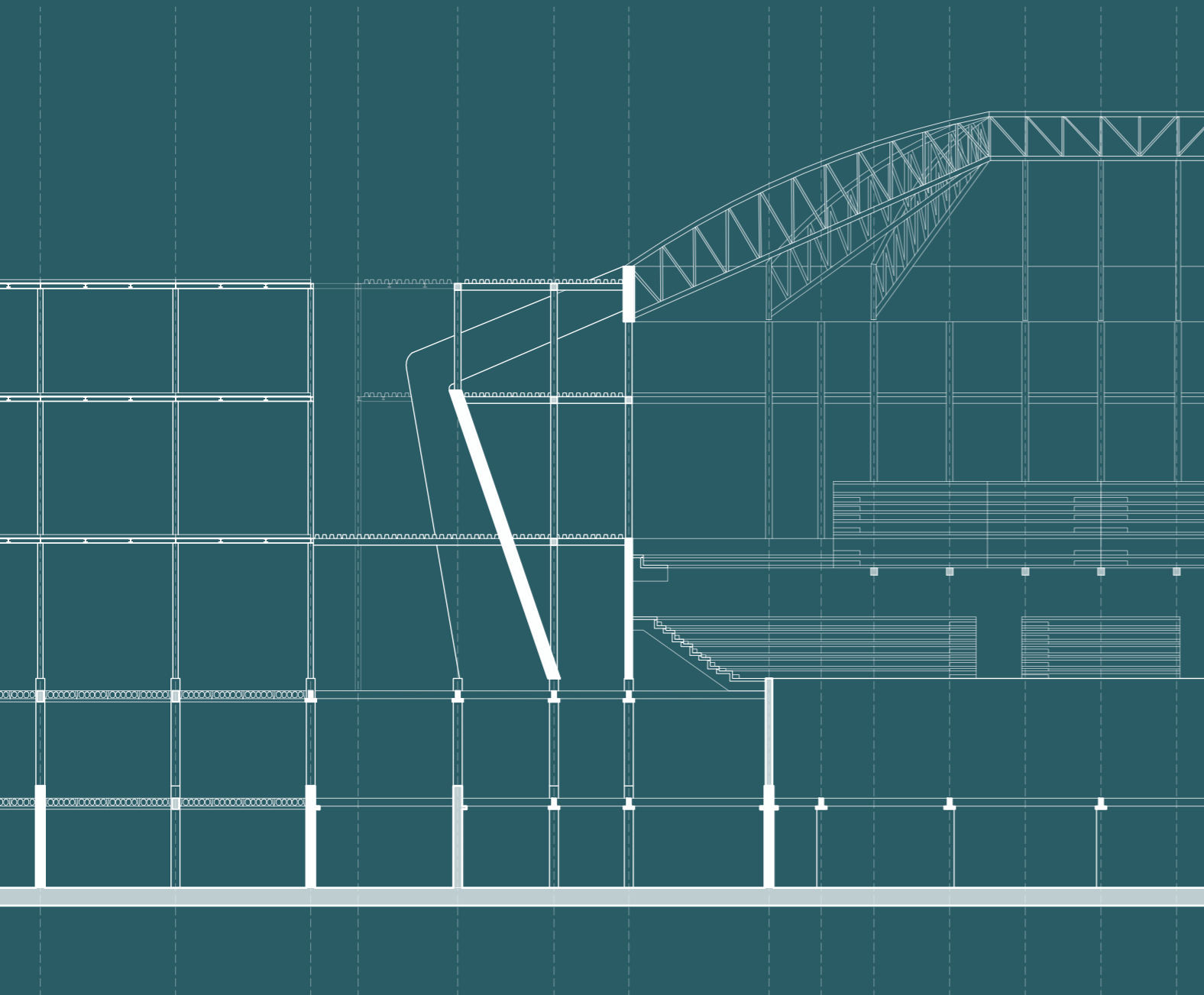
40 PROSPETTO SUD E OVEST



Annibale Alessandra
Chiesa Emily
Prelli Giulia

IV

STRUTTURALE



Premessa

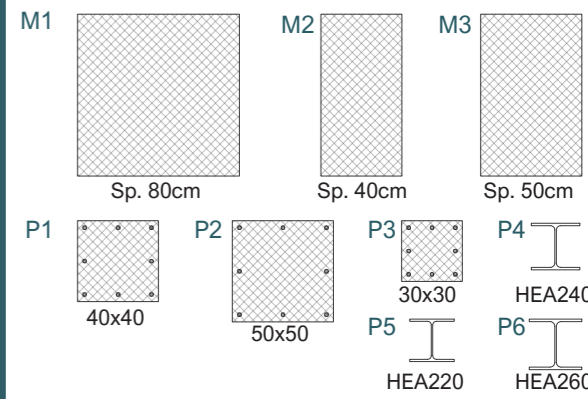
Il capitolo si apre con la trattazione dei calcoli relativi al materiale acciaio, caratterizzante il blocco ovest, nord ed est. Sono stati dimensionati solai, travi secondarie e primarie interpiano e di copertura, pilastri. Tali studi sono stati eseguiti in accordo con la normativa italiana tramite NTC2018. Segue l'analisi del blocco sportivo di cui in primis si è analizzato qualitativamente il sistema di spalti in calcestruzzo prefabbricato seguendo le indicazioni del produttore, successivamente si è andati a studiare la copertura, in quanto caratterizzata da una struttura complessa che ha richiesto una modellazione specifica nel software di calcolo SAP2000. Infine, sono stati dimensionati i pilastri in cemento armato nei piano interrati -1 e -2.

INDICE

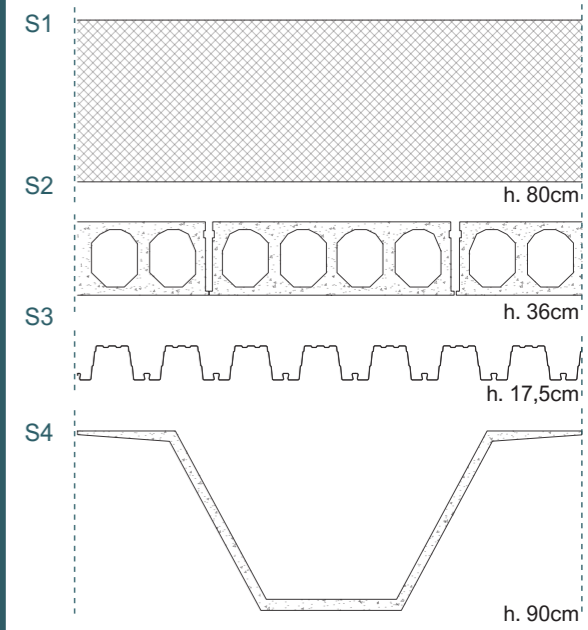
<u>PIANTA STRUTTURALE: IMPALCATO -2</u>	<u>41</u>
<u>PIANTA STRUTTURALE: IMPALCATO -1</u>	<u>42</u>
<u>PIANTA STRUTTURALE: IMPALCATO +0</u>	<u>43</u>
<u>PIANTA STRUTTURALE: IMPALCATO +1</u>	<u>44</u>
<u>PIANTA STRUTTURALE: IMPALCATO +2</u>	<u>45</u>
<u>SEZIONE STRUTTURALE: SEZIONE A-A</u>	<u>46</u>

LEGENDA

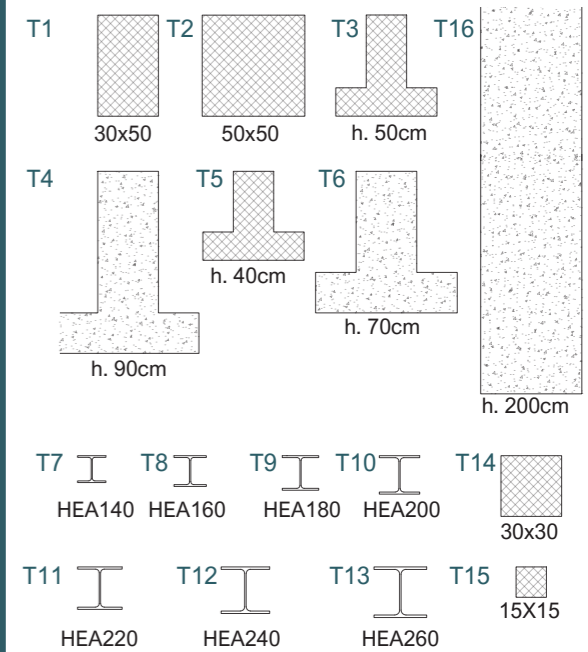
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SOLAI



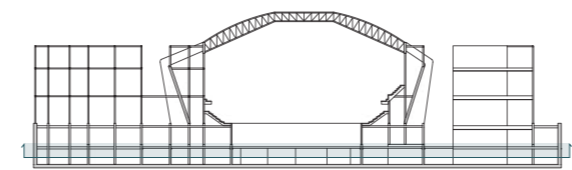
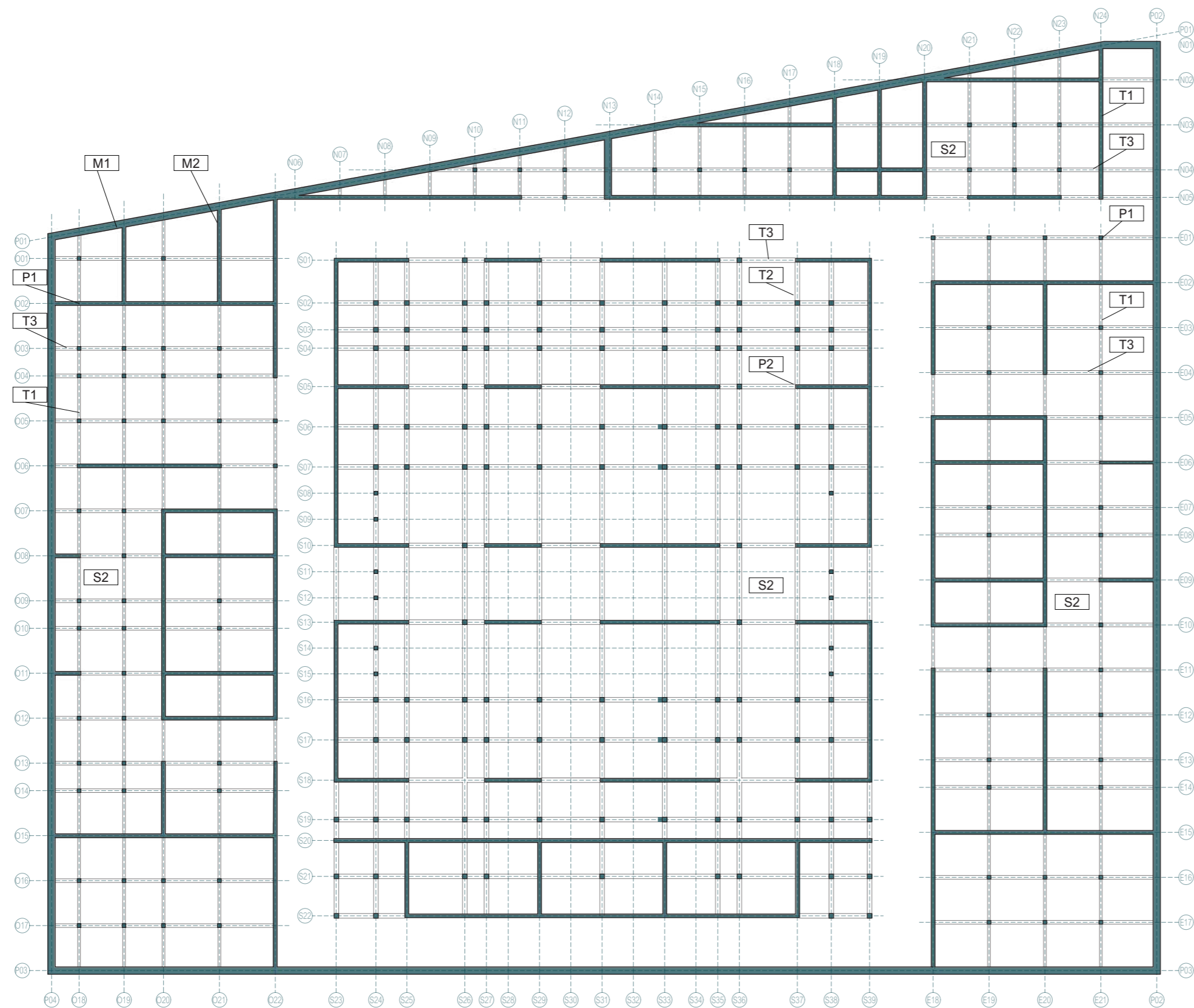
TRAVI



41 PIANTA STRUTTURALE: IMPALCATO -2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

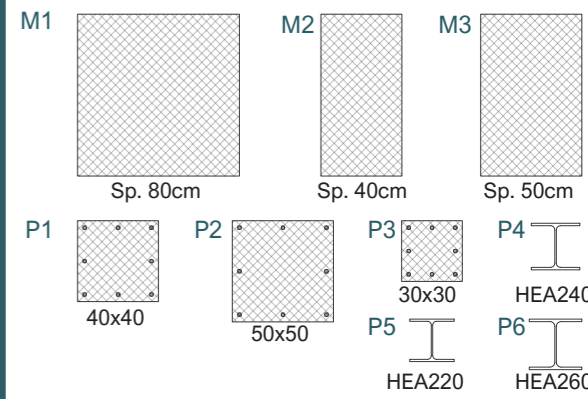


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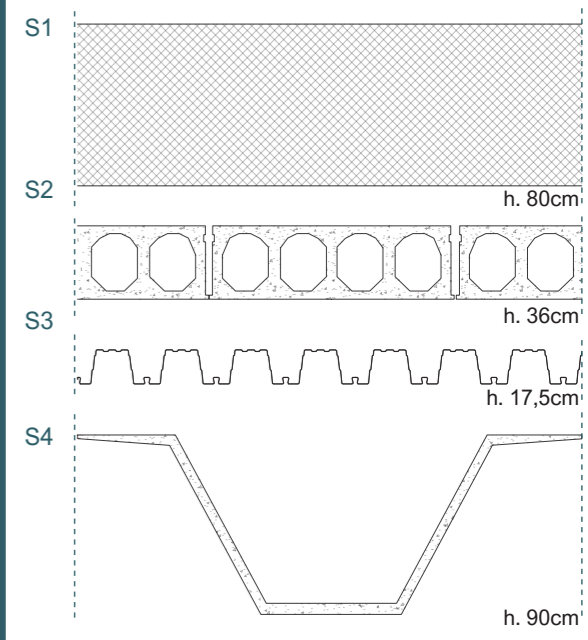


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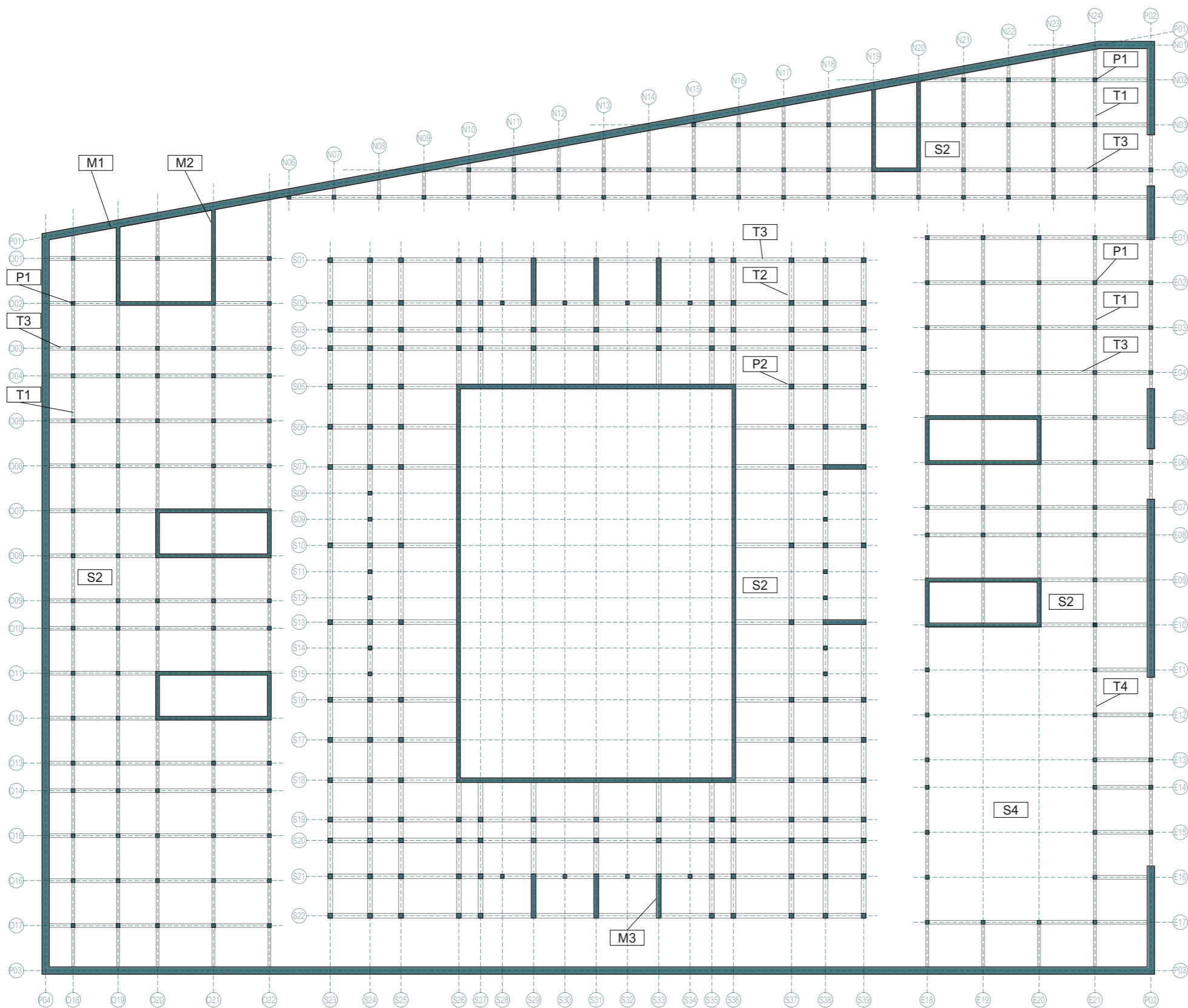
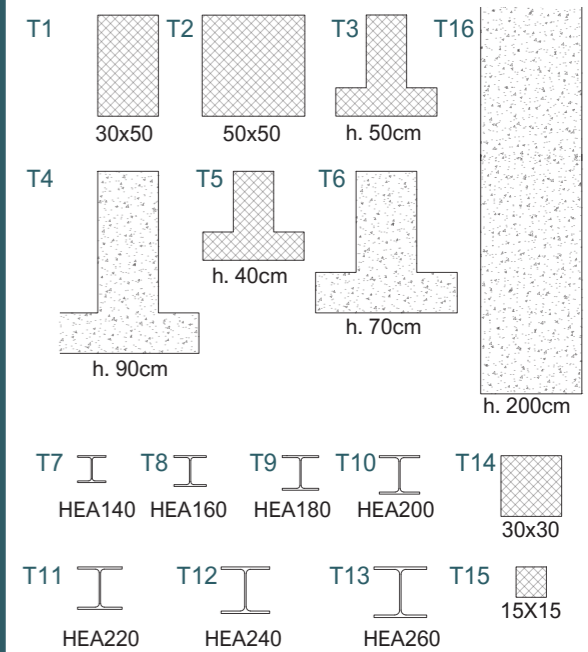
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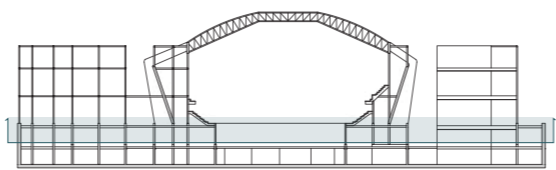
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42 PIANTA STRUTTURALE: IMPALCATO -1



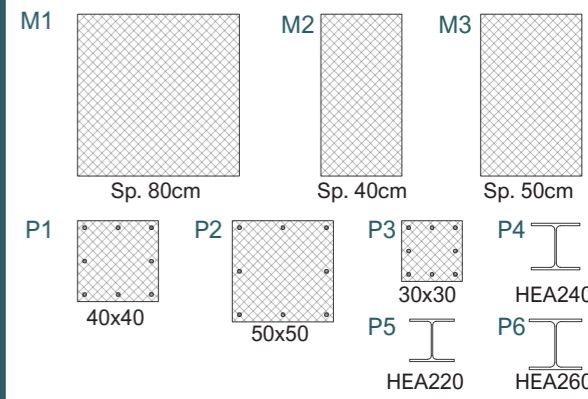
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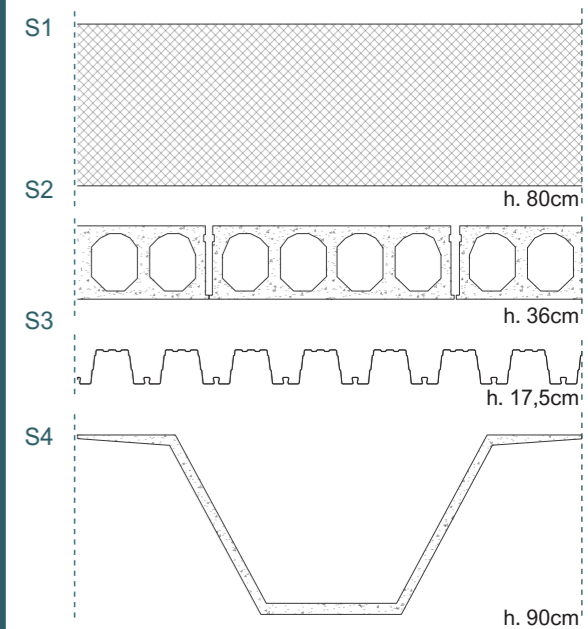
Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

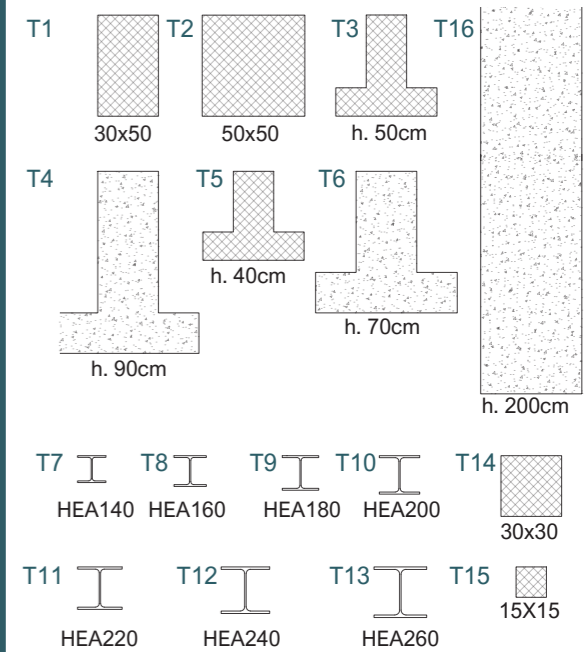
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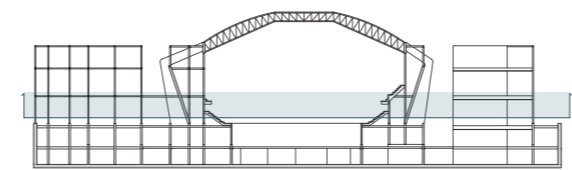
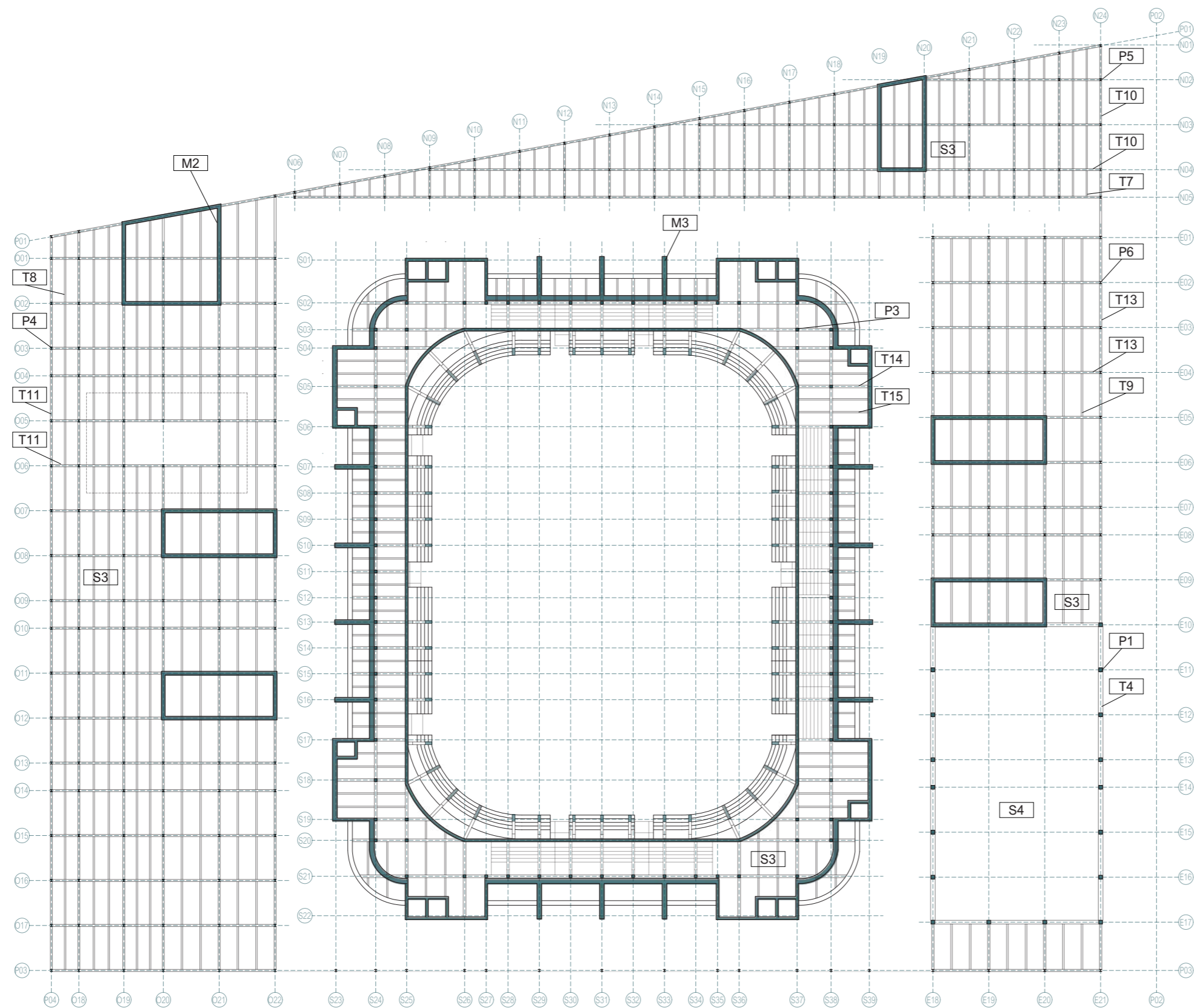
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43 PIANTA STRUTTURALE: IMPALCATO +0

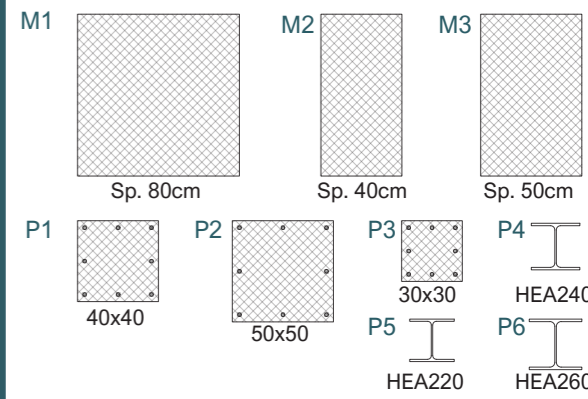


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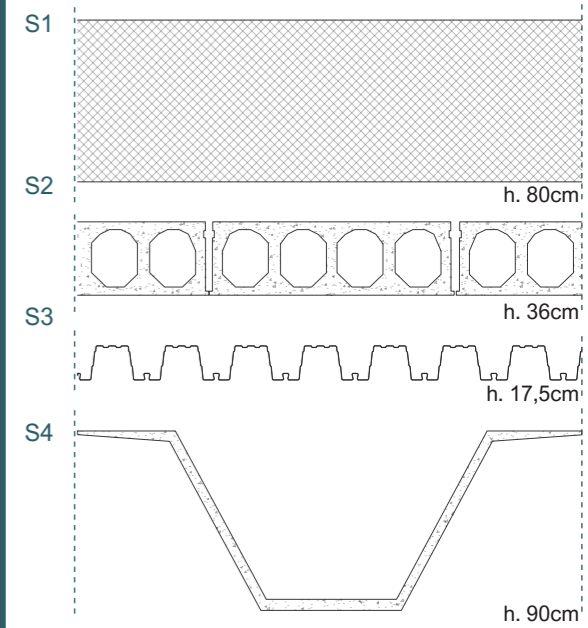


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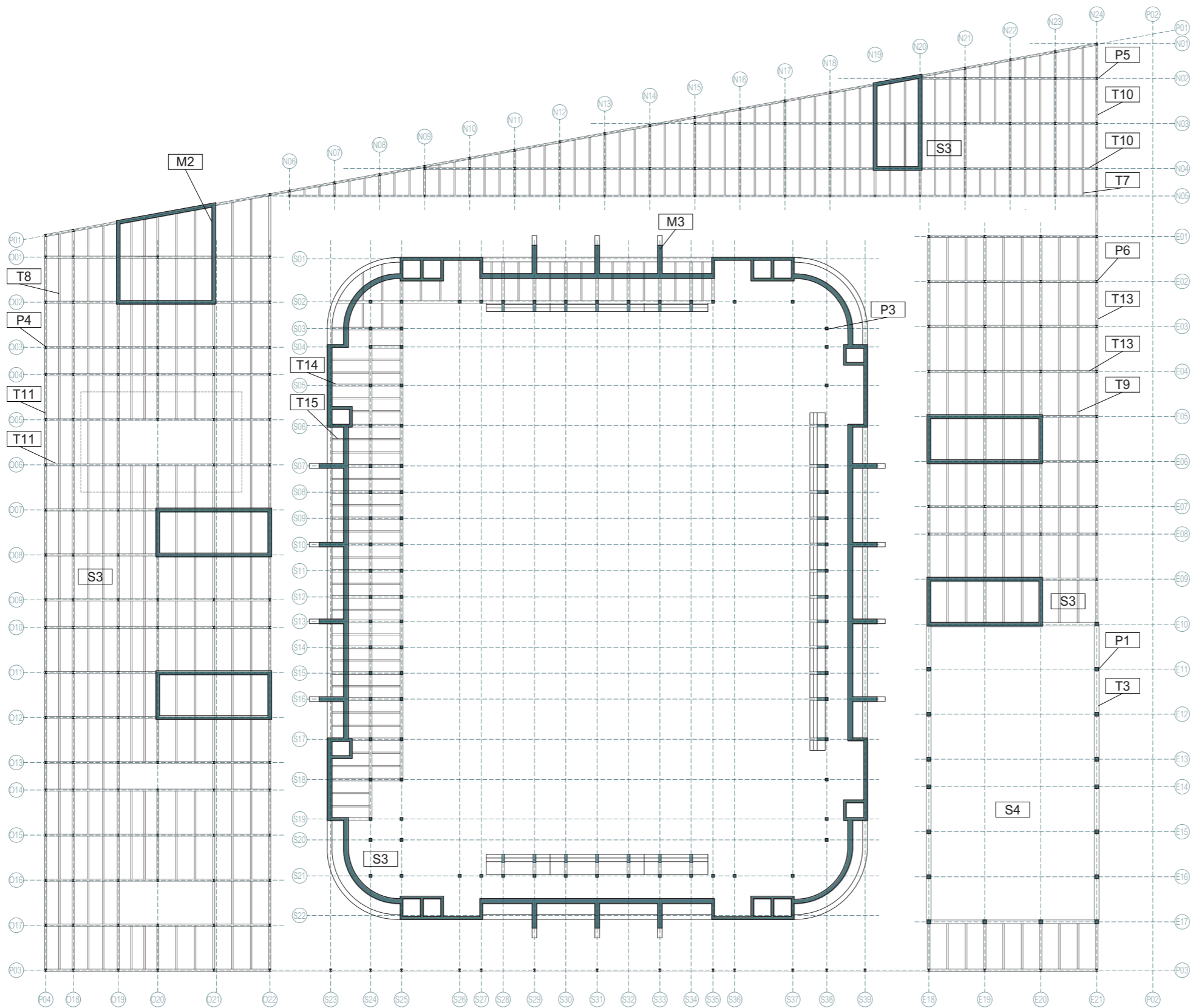
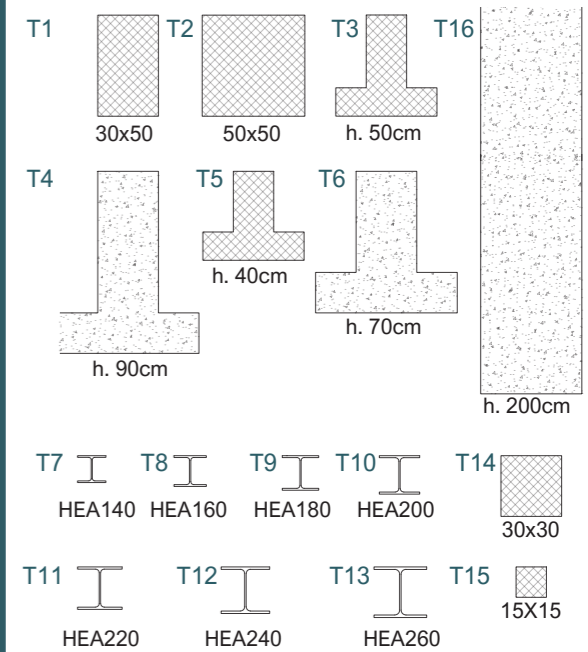
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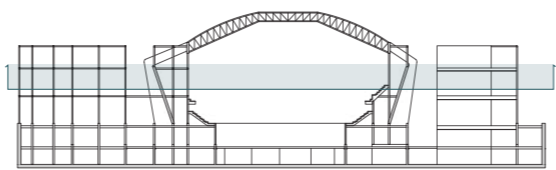
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44 PIANTA STRUTTURALE: IMPALCATO +1



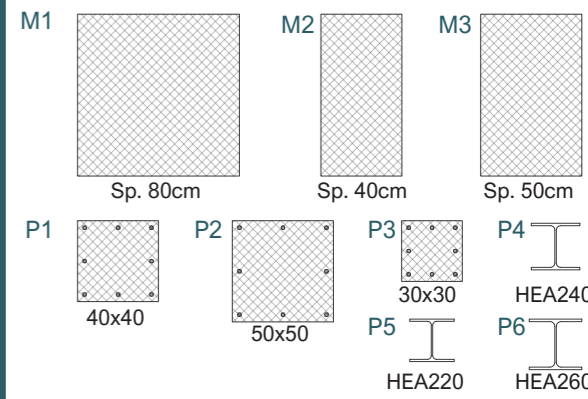
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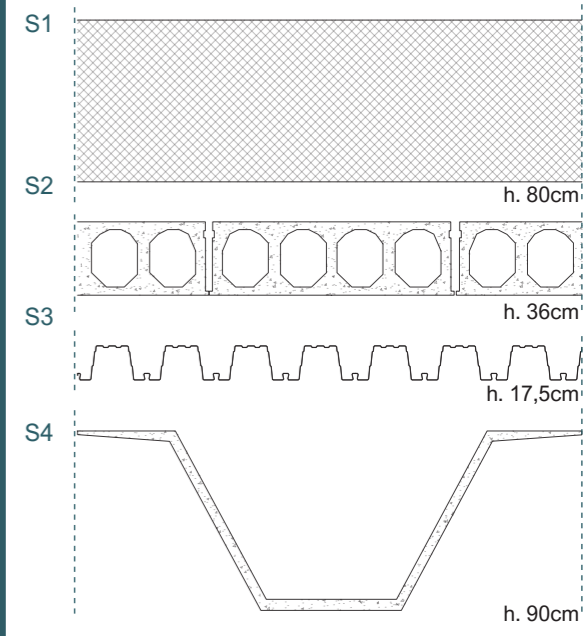
Annibale Alessandra
Chiesa Emily
Prelli Giulia

LEGENDA

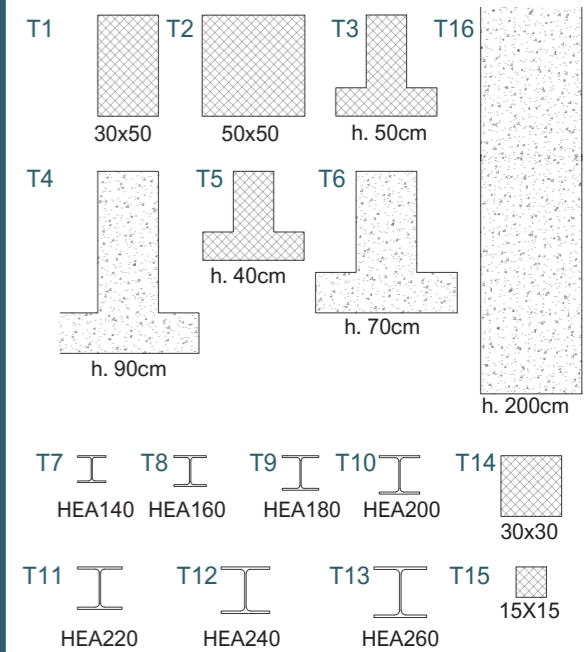
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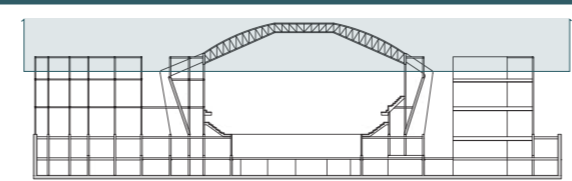
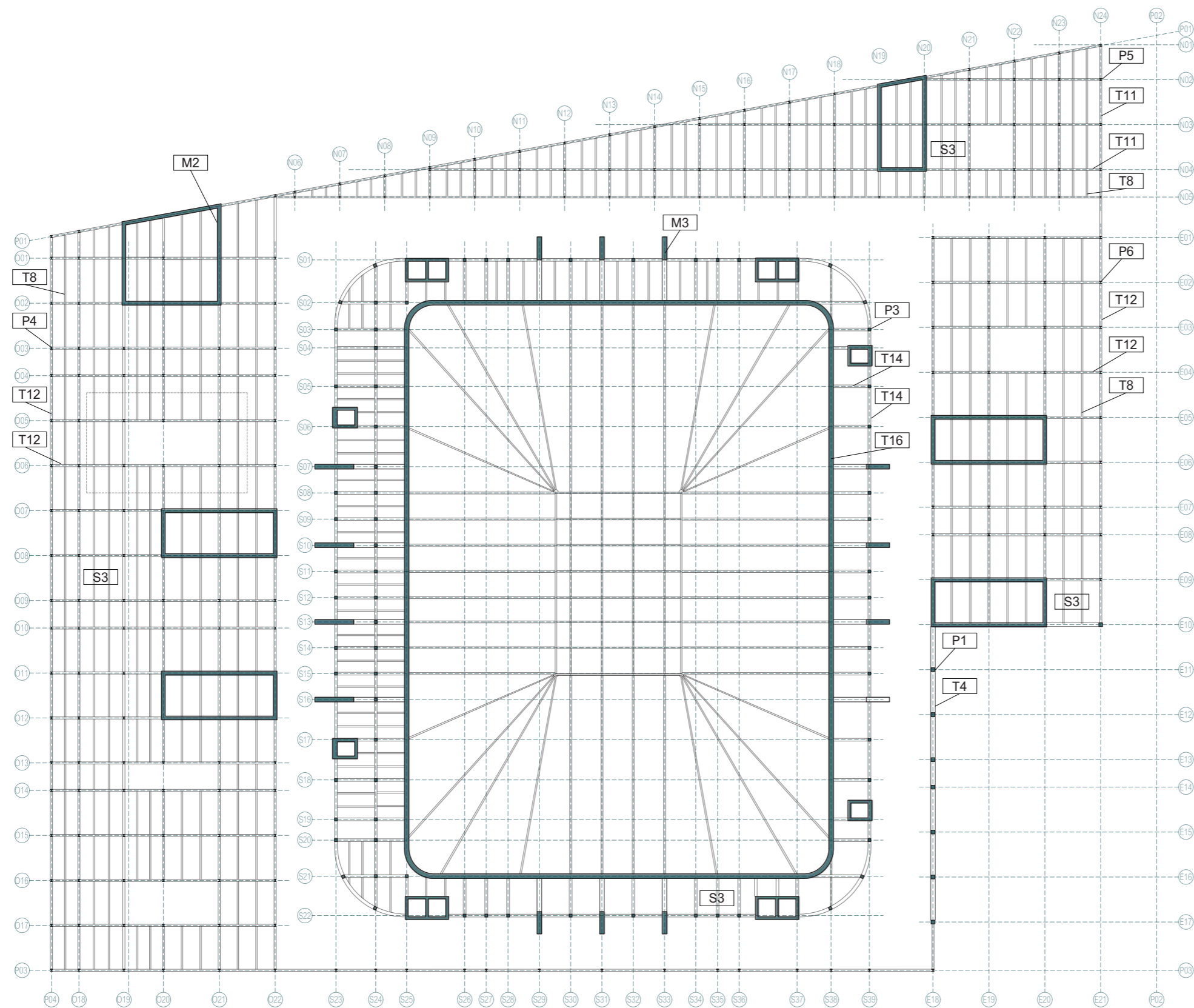
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TRAVI

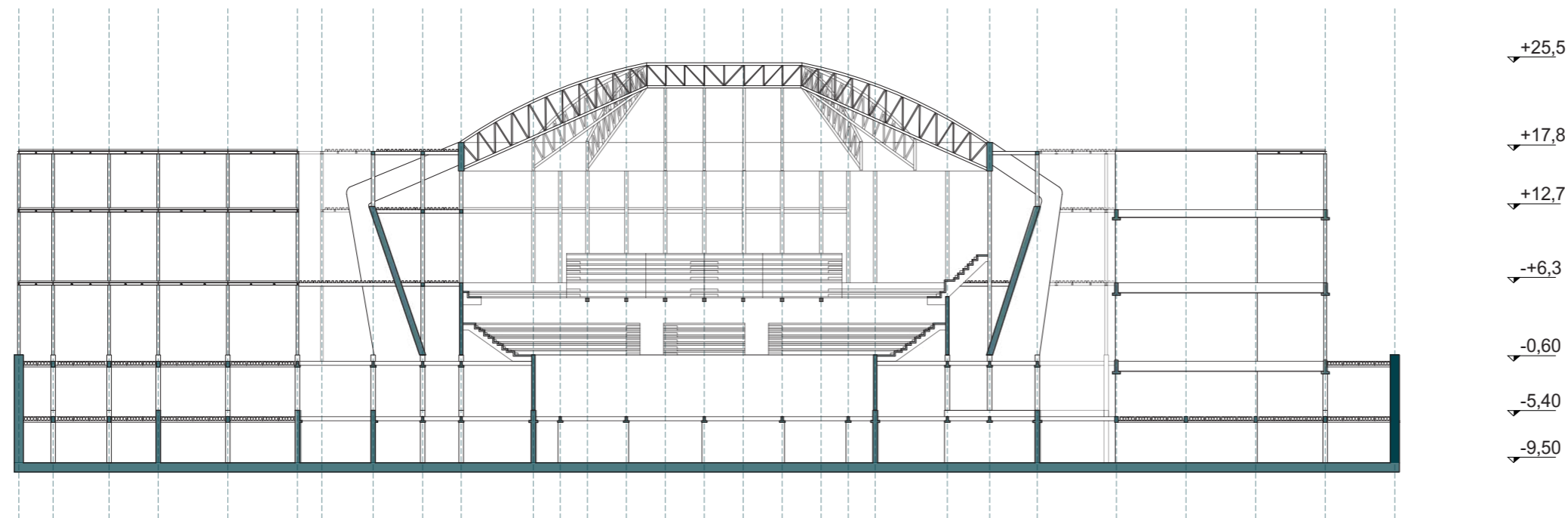


45 PIANTA STRUTTURALE: IMPALCATO +2



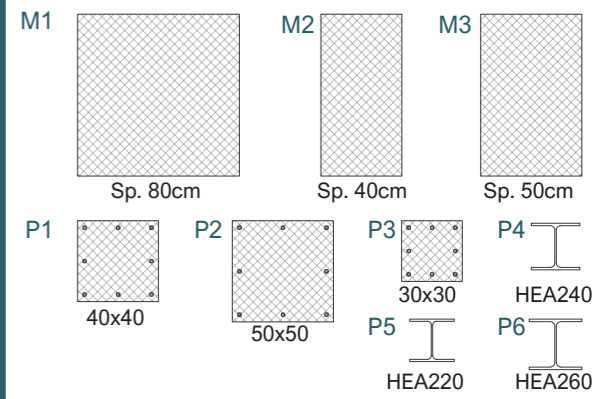
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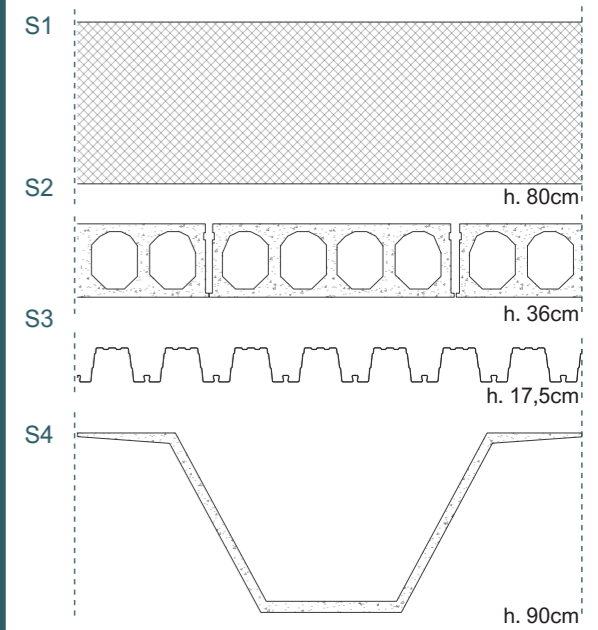


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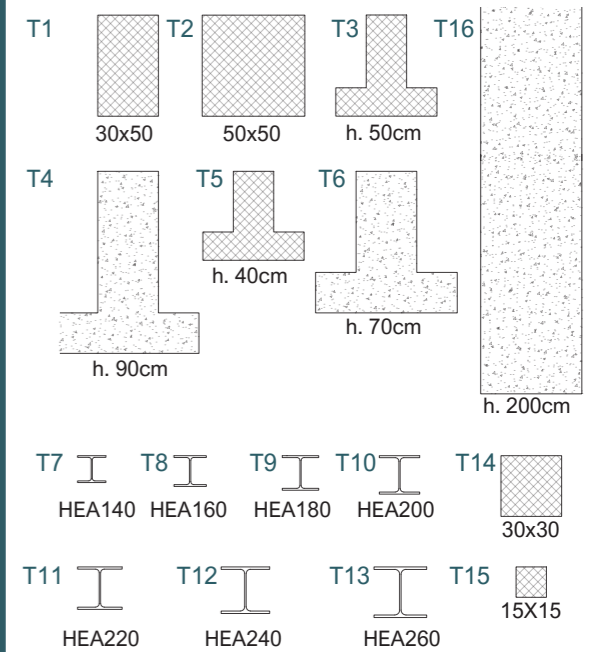
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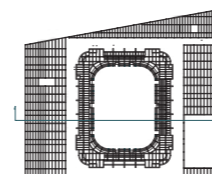
SOLAI



TRAVI



46 SEZIONE STRUTTURALE: SEZIONE A-A



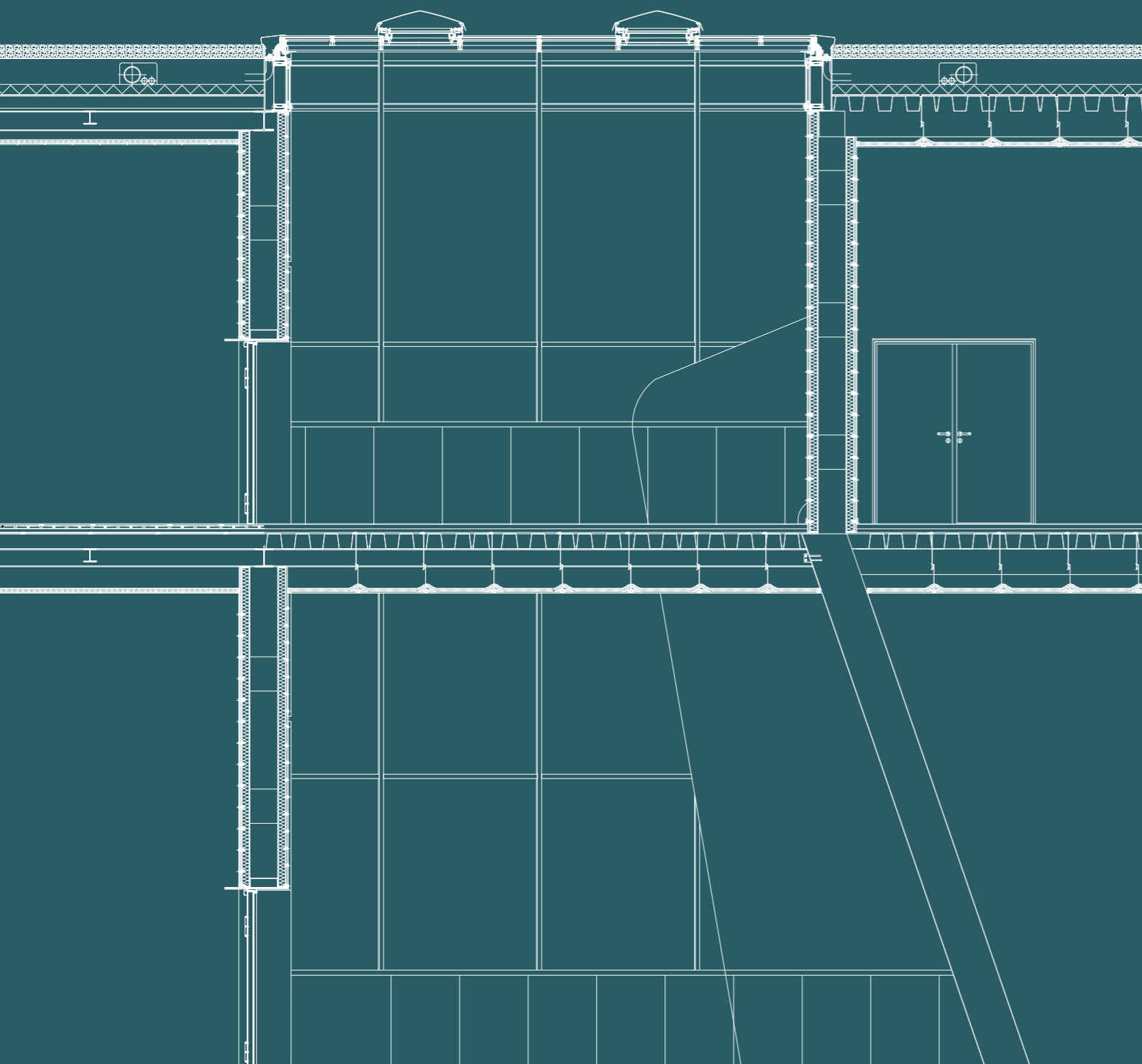
SCALA 1:500



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TECNOLOGICO



Premessa

In seguito alla definizione strutturale, viene affrontato il tema relativo alle scelte materiali dei pacchetti di chiusure e partizioni: vengono prima definiti i vari materiali utilizzati e le loro caratteristiche nell'abaco, per poi sviluppare le sezioni costruttive dei punti più salienti dell'edificio, suddiviso per blocchi tipologici.

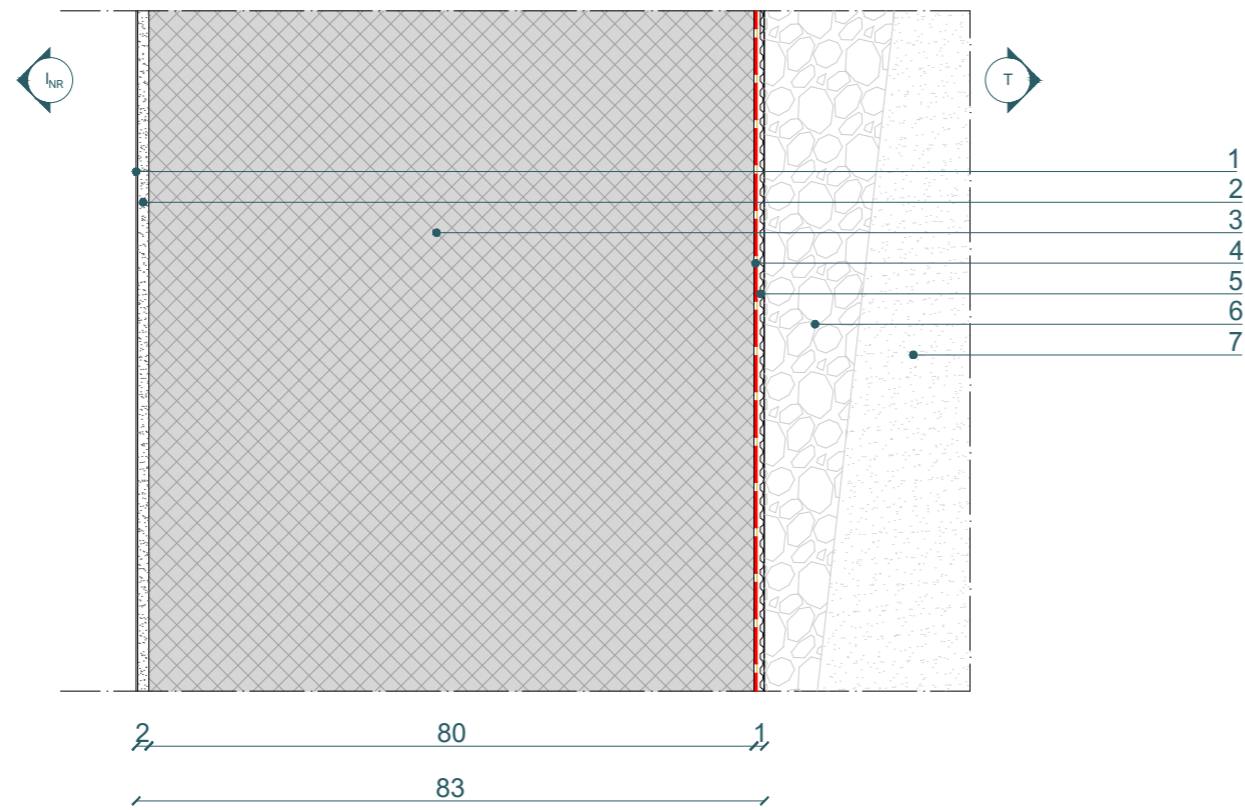
Le soluzioni vengono definite sulla base della posizione dei vari piani (fuori terra, interrati o nucleo centrale) cercando di utilizzare il più possibile tecnologie a secco. La scelta dei materiali, insieme con l'ausilio di un sistema fotovoltaico in copertura, che di tecnologie integrate in facciata garantiscono un comportamento performante dell'edificio.

INDICE

C.V. 01	47	P.V. 10	64
C.V. 02.a	48	P.V. I.a	65
C.V. 03.a	49	P.V. II.a	66
C.V. 04.a	50	P.V. III	67
C.V. 05.a	51	P.V. IV	68
C.V. 06	52	P.V. V	69
C.V. 07.a	53	P.V. VI.a	70
CHIUSURE VERTICALI - Varianti	54	PARTIZIONI VERTICALI - Varianti	71
P.V. 01.a	55	C.O. 01.a	73
P.V. 02	56	C.O. 02	74
P.V. 03	57	C.O. 03.a	75
P.V. 04.a	58	C.O. 04.a	76
P.V. 05.a	59	C.O. 05	77
P.V. 06.a	60	C.O. 06.a	78
P.V. 07	61	C.O. 07	79
P.V. 08.a	62	CHIUSURE ORIZZONTALI - Varianti	80
P.V. 09	63	P.O. 01	81

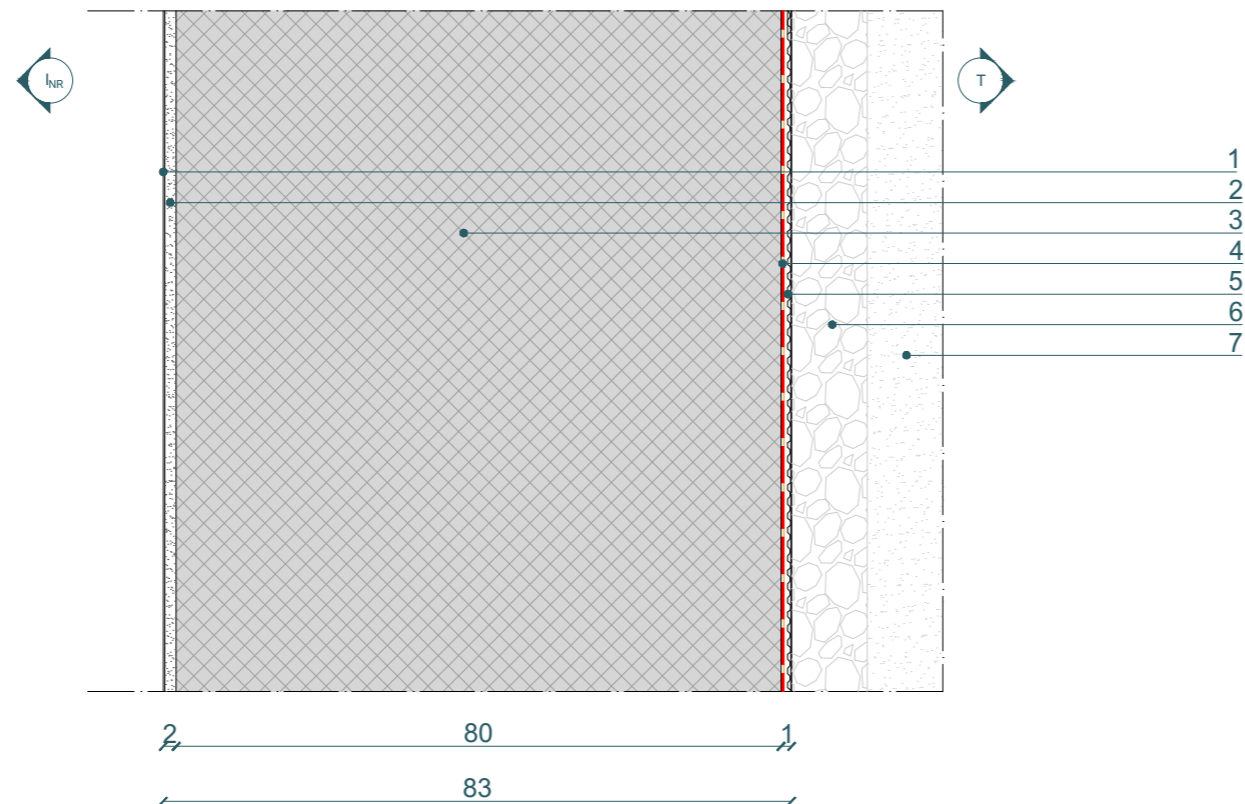
P.O. I	82
P.O. 02	83
P.O. 03.a	84
P.O. 04.a	85
P.O. 05.a	86
P.O. 06.a	87
P.O. 07	88
P.O. 08	89
P.O. 09a	90
P.O. 10	91
PARTIZIONI ORIZZONTALI - Varianti	92
SEZIONE COSTRUTTIVA	94
SEZIONE COSTRUTTIVA	95
SEZIONE COSTRUTTIVA	96

SEZIONE VERTICALE



1. Strato di finitura: intonaco rasante a base di calce e cemento - Tipo: Fassa Bortolo IG21 - sp. 2 mm
2. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KS9 - sp. 15 mm
3. Strato portante: calcestruzzo armato - sp. 800 mm
4. Strato di tenuta all'acqua: guaina impermeabilizzante bituminosa con fissaggio a colla - Tipo: Index LIGHTERFLEX HPCP HELASTO 20 POLIESTERE - sp. 4 mm
5. Strato drenante: polietilene ad Alta Densità (HDPE), con geotessuto integrato in propilene ad alta resistenza alla compressione - Tipo: DELTA®-TERRAX-X-Delta Dorken - sp. 9 mm
6. Ghiaia
7. Terreno di riporto

SEZIONE ORIZZONTALE



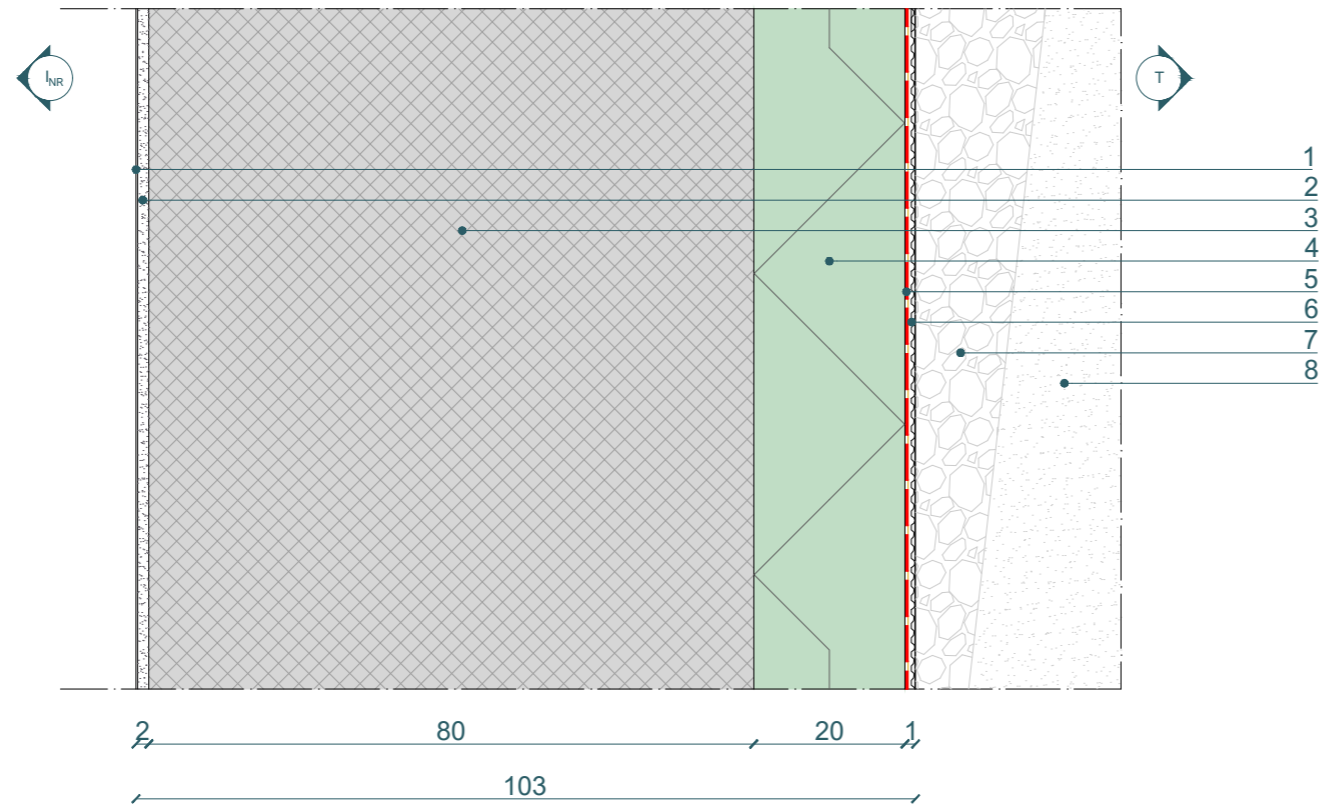
SCALA 1:10

C.V. 02.a

CHIUSURA VERTICALE

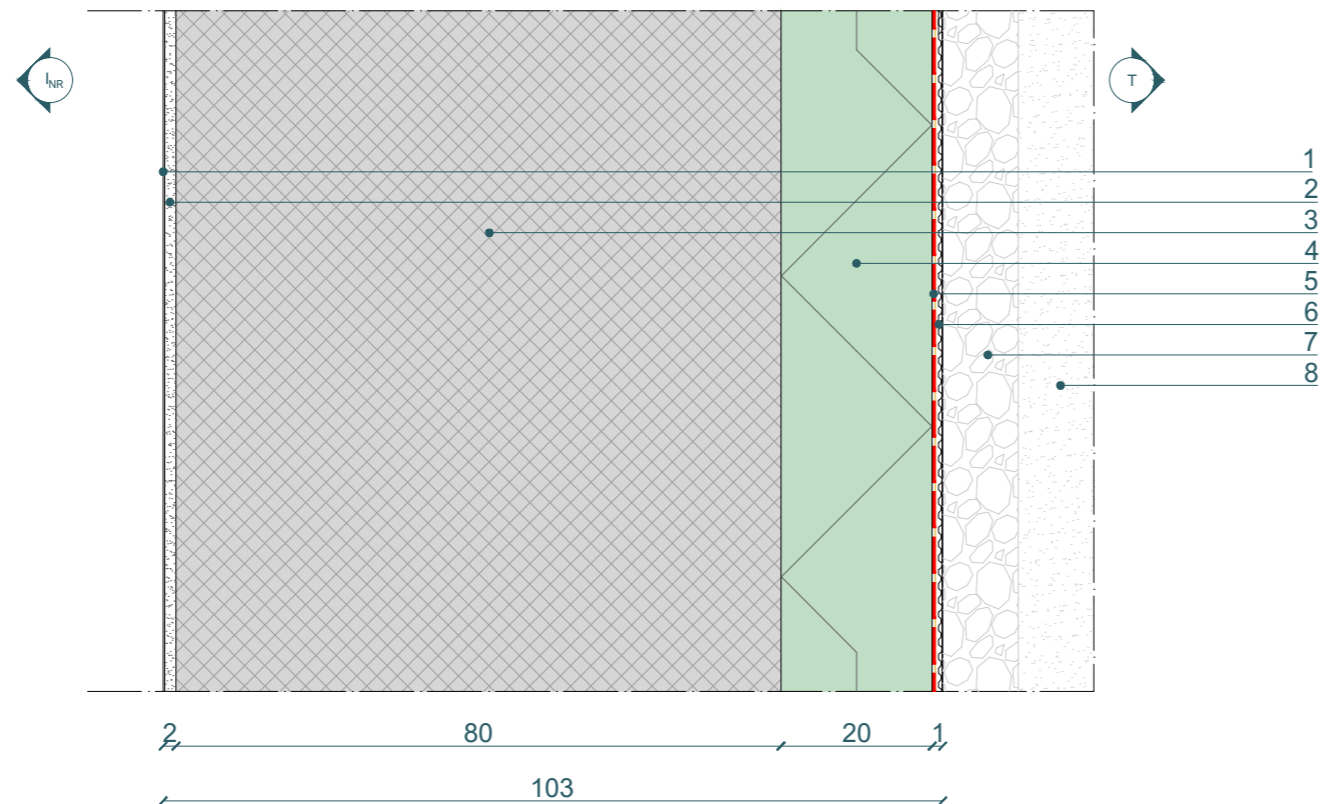
Controterra non riscaldato (piano -1, magazzini, locali tecnici)

SEZIONE VERTICALE



1. Strato di finitura: intonaco rasante a base di calce e cemento - Tipo: Fassa Bortolo IG21 - sp. 2 mm
2. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KS9 - sp. 15 mm
3. Strato portante: calcestruzzo armato - sp. 800 mm
4. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) posato come cassero a perdere - Tipo: Isover XPS BT - sp. 200 mm e densità 33 kg/m³
5. Strato di tenuta all'acqua: guaina impermeabilizzante bituminosa con fissaggio a colla - Tipo: Index LIGHTERFLEX HPCP HELASTO 20 POLIESTERE - sp. 4 mm
6. Strato drenante: polietilene ad Alta Densità (HDPE), con geotessuto integrato in propilene ad alta resistenza alla compressione - Tipo: DELTA®-TERRAX-X-Delta Dorken - sp. 9 mm
7. Ghiaia
8. Terreno di riporto

SEZIONE ORIZZONTALE



0 5 10 40 cm

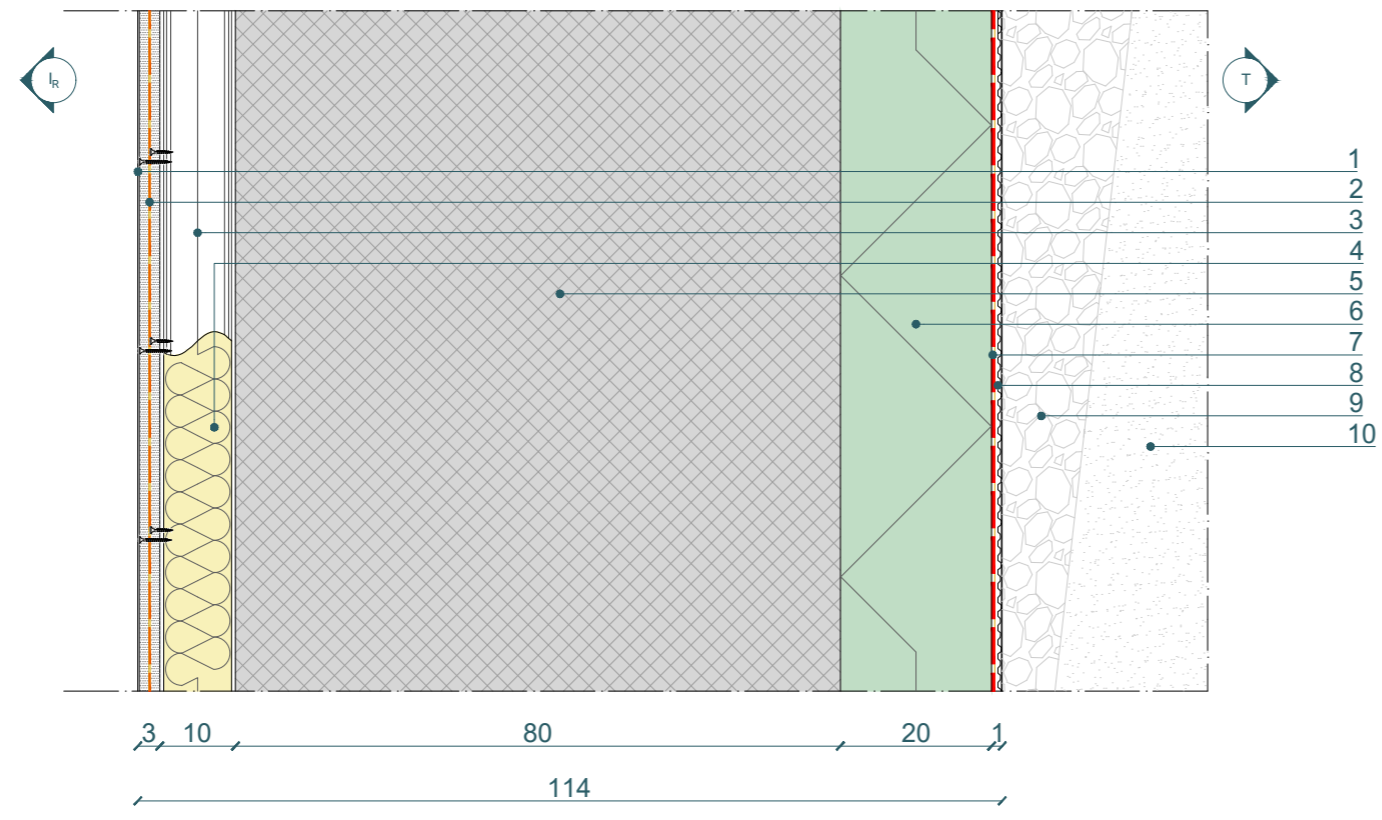
SCALA 1:10

48 ABACO DELLE STRATIGRAFIE

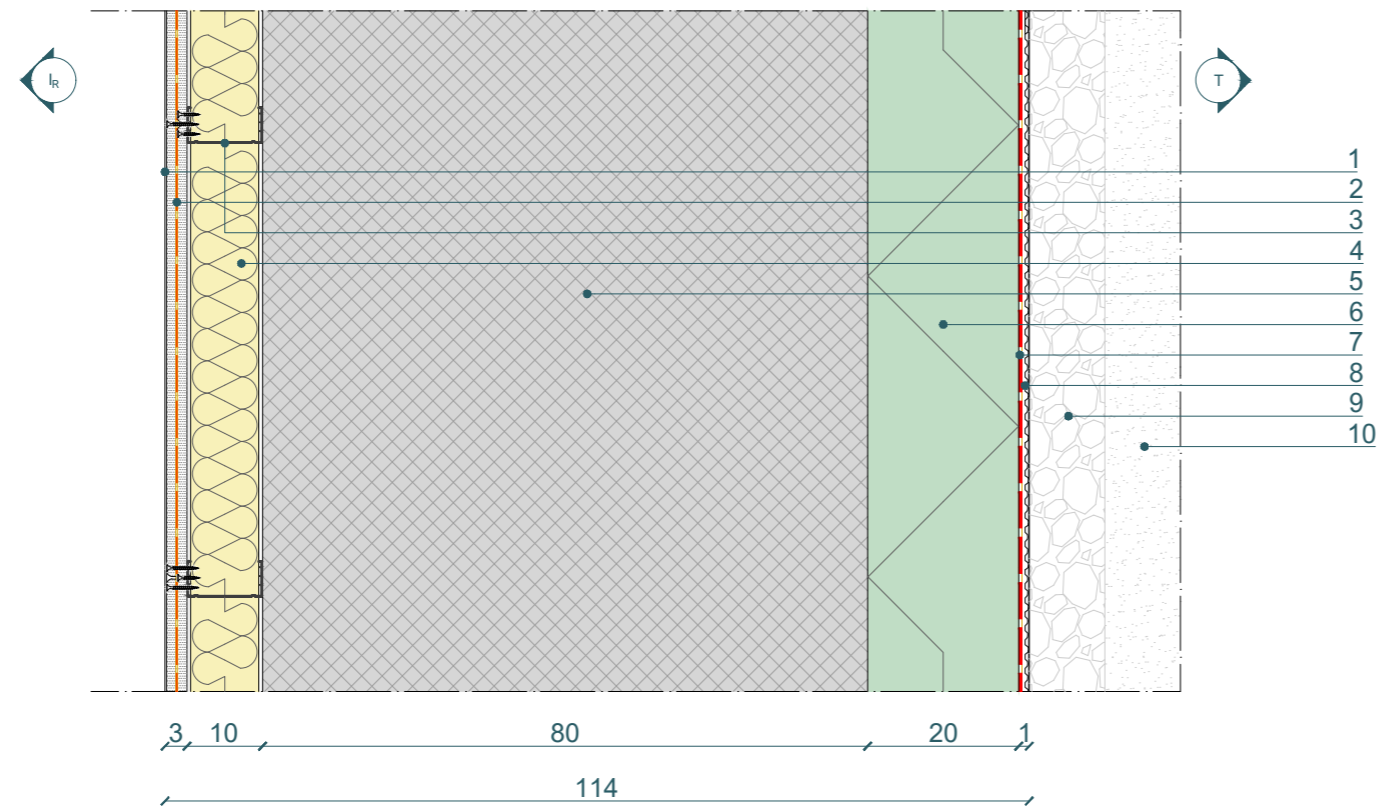


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Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: rasatura in stucco -
 Tipo: Knauf F2F-Filler to Finish - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito
 con barriera a vapore interposta - Tipo:
 Knauf GKB e Diamant a vista - sp. 12,5
 mm x2
3. Orditura metallica: profili guida a U in ac-
 ciao zincato - Tipo: Knauf UW 40x100x40
 mm - sp. 0,6 mm e profili montanti a C
 in acciaio zincato - Tipo: Knauf CW
 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico:
 lastra antincendio in lana di roccia legata
 - Tipo: Knauf DF40 - sp. 90 mm e densità
 40 kg/m³
5. Strato portante: calcestruzzo armato -
 sp. 800 mm
6. Strato di isolamento termico: pannelli
 di polistirene espanso estruso (XPS)
 posato come cassero a perdere - Tipo:
 Isover XPS BT - sp. 200 mm e densità 33
 kg/m³
7. Strato di tenuta all'acqua: guaina imper-
 meabilizzante bituminosa con fissaggio
 a colla - Tipo: Index LIGHTERFLEX HPCP
 HELASTO 20 POLIESTERE - sp. 4 mm
8. Strato drenante: polietilene ad Alta Den-
 sità (HDPE), con geotessuto integra-
 to in propilene ad alta resistenza alla
 compressione - Tipo: DELTA®-TERRAX-
 X-Delta Dorken - sp. 9 mm
9. Ghiaia
10. Terreno di riporto



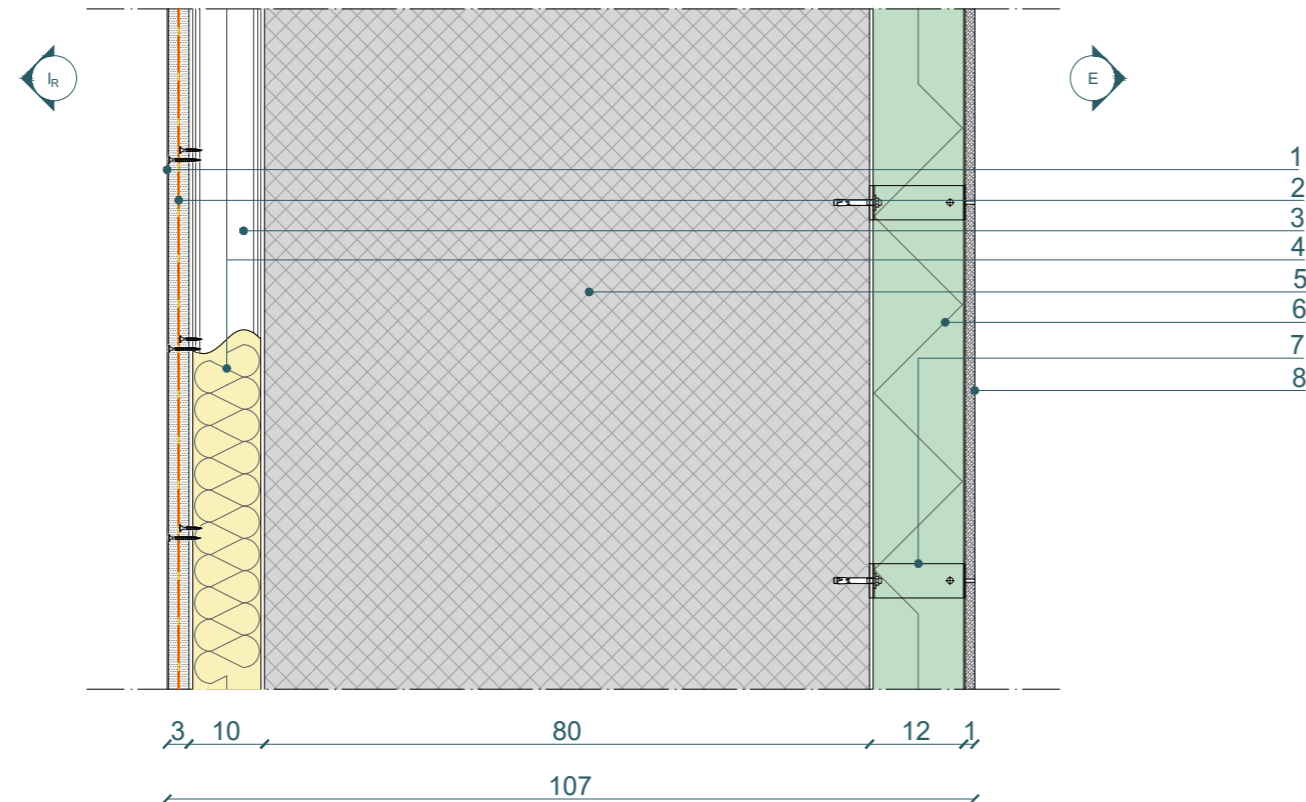
SCALA 1:10

49 ABACO DELLE
 STRATIGRAFIE



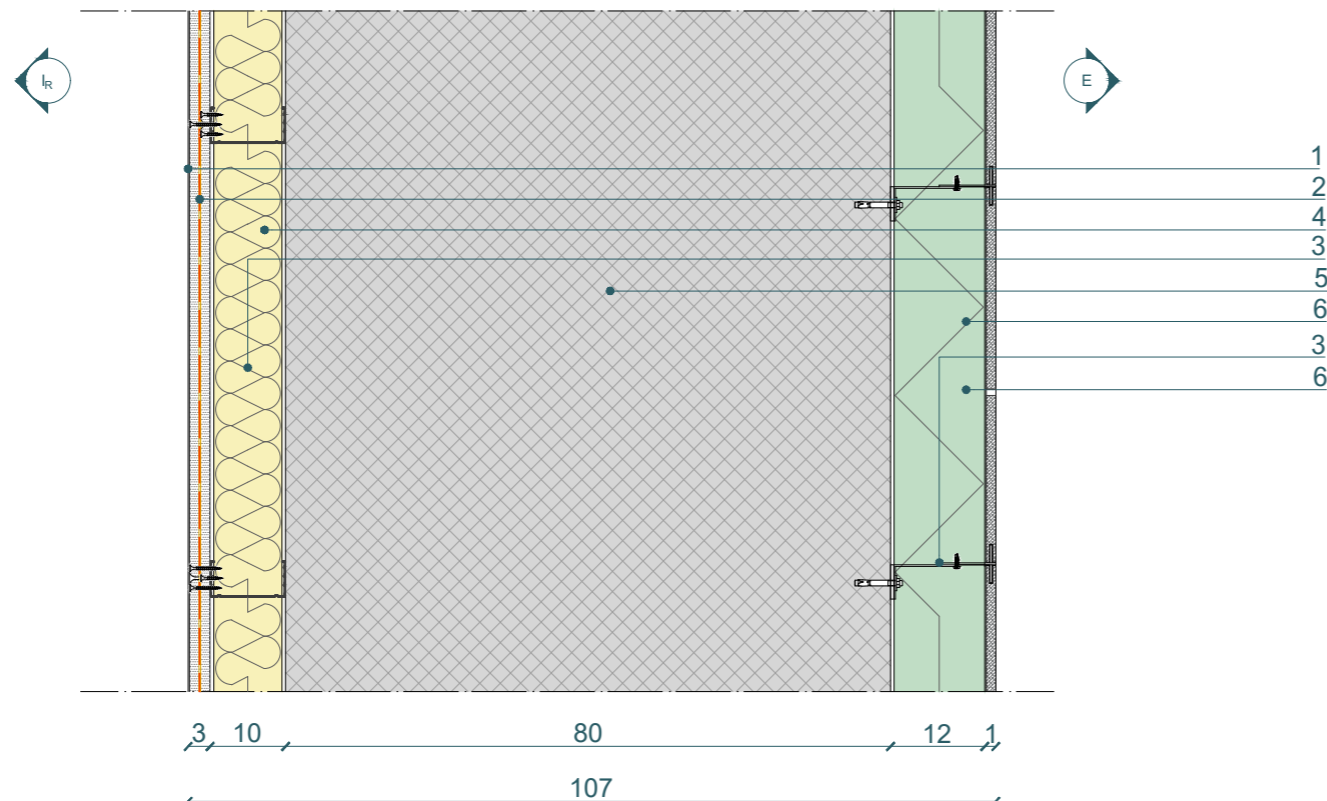
Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



1. Strato di finitura: rasatura in stucco -
 Tipo: Knauf F2F-Filler to Finish - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Strato portante: calcestruzzo armato - sp. 800 mm
6. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) posato come cassero a perdere - Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
7. Sistema di fissaggio per pannelli di fibrocemento con profili di supporto in alluminio e rivetti a vista - Tipo: Equitone
8. Strato di finitura: lastra in fibrocemento - Tipo: Equitone Tectiva - sp. 8 mm

SEZIONE ORIZZONTALE



0 5 10 40 cm

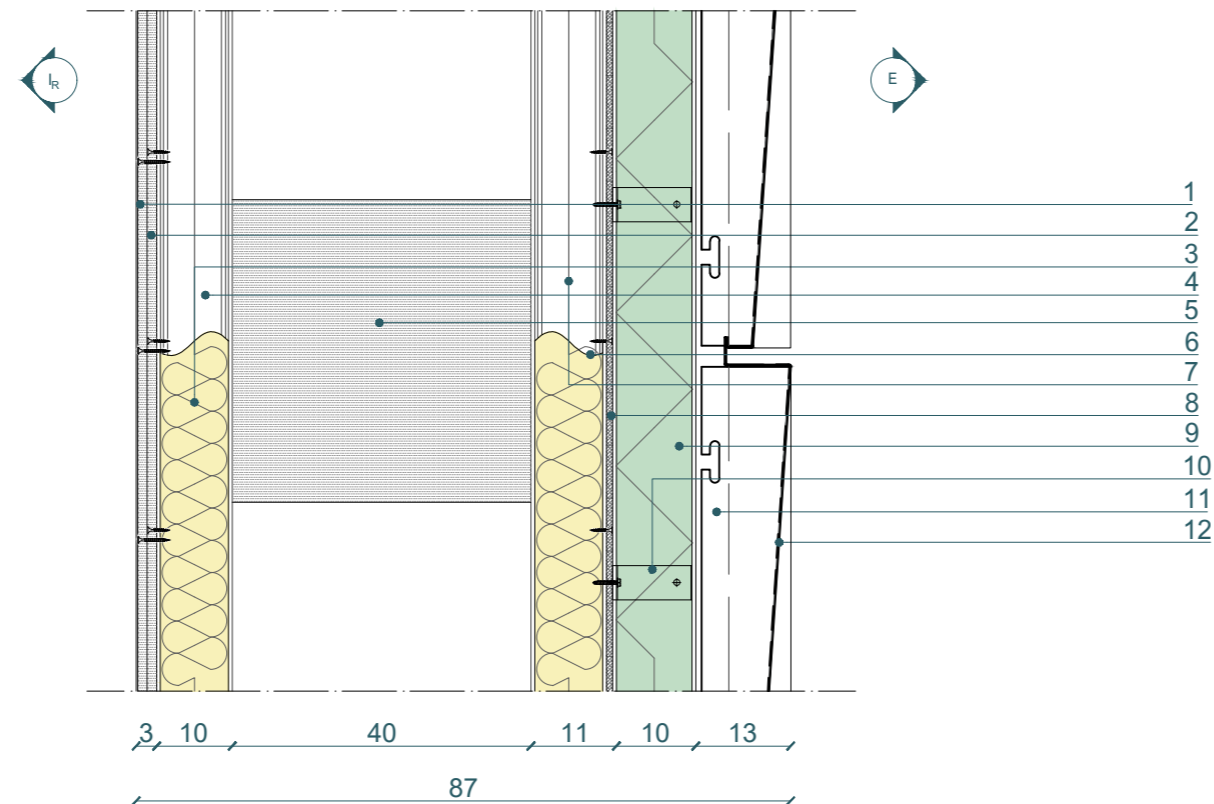
SCALA 1:10

50 ABACO DELLE STRATIGRAFIE

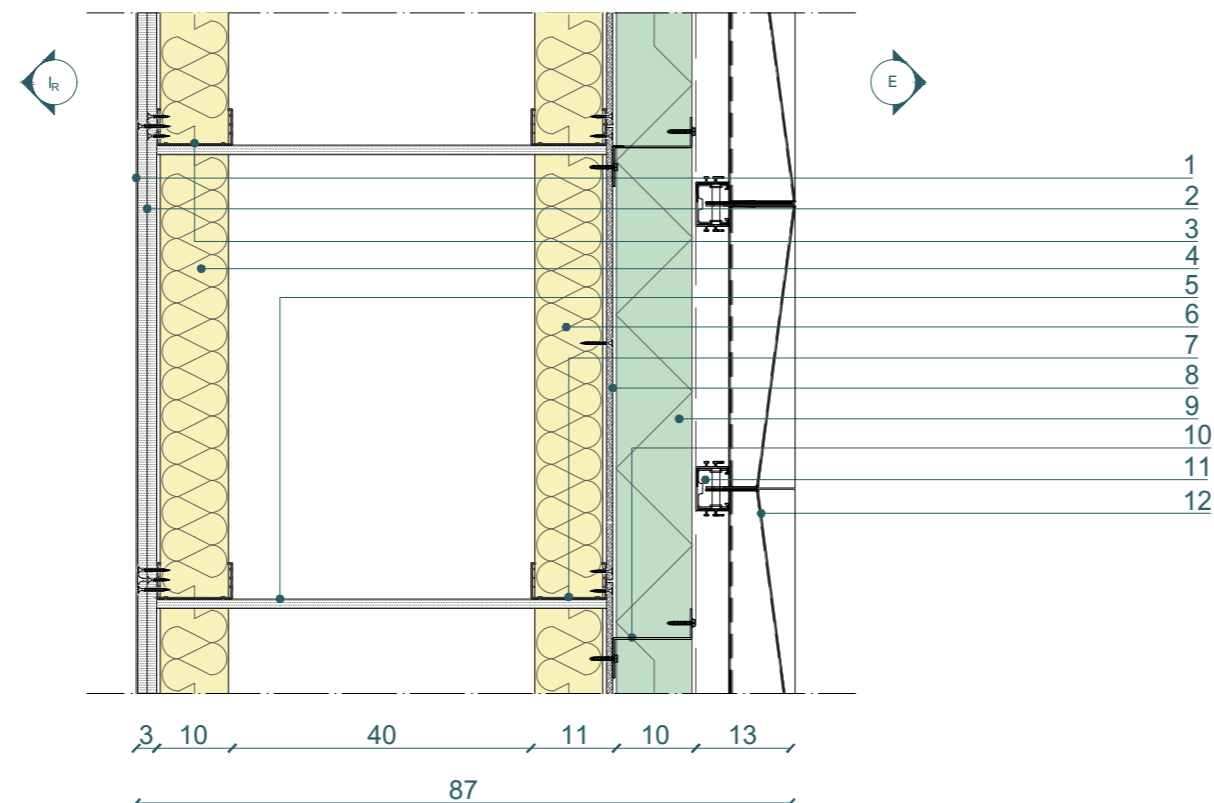


Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: rasatura in stucco -
Tipo: Knauf F2F-Filler to Finish - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Distanziatore: lastre in gessofibra - Tipo: Knauf Vidiwall XL - sp. 12,5 mm
6. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
7. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
8. Strato di irrigidimento: lastra in fibrocemento - Tipo: Equitone Tectiva - sp. 8 mm
9. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) posato come cassero a perdere - Tipo: Isover XPS BT - sp. 100 mm e densità 33 kg/m³
10. Sistema di fissaggio con profili di supporto in alluminio - Tipo: Equitone
11. Cassetta metallica per pareti - Tipo: Arcelor Mittal - Coque MD® Origami dim. 375x750 mm
12. Maschera in rame microforato a maglia triangolare - Tipo: Arcelor Mittal - Indaten® 355D - sp. 0,2 mm - dim. 750x750 mm

0 5 10 40 cm

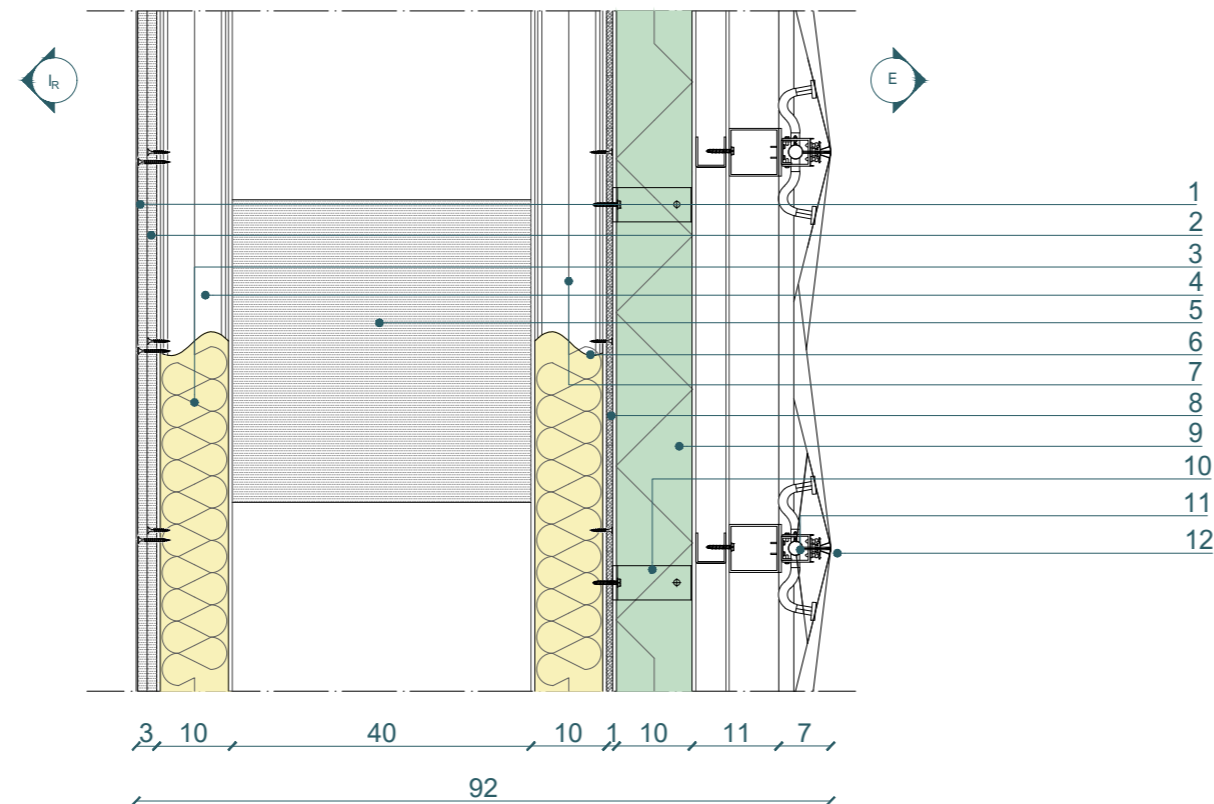
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51 ABACO DELLE
STRATIGRAFIE

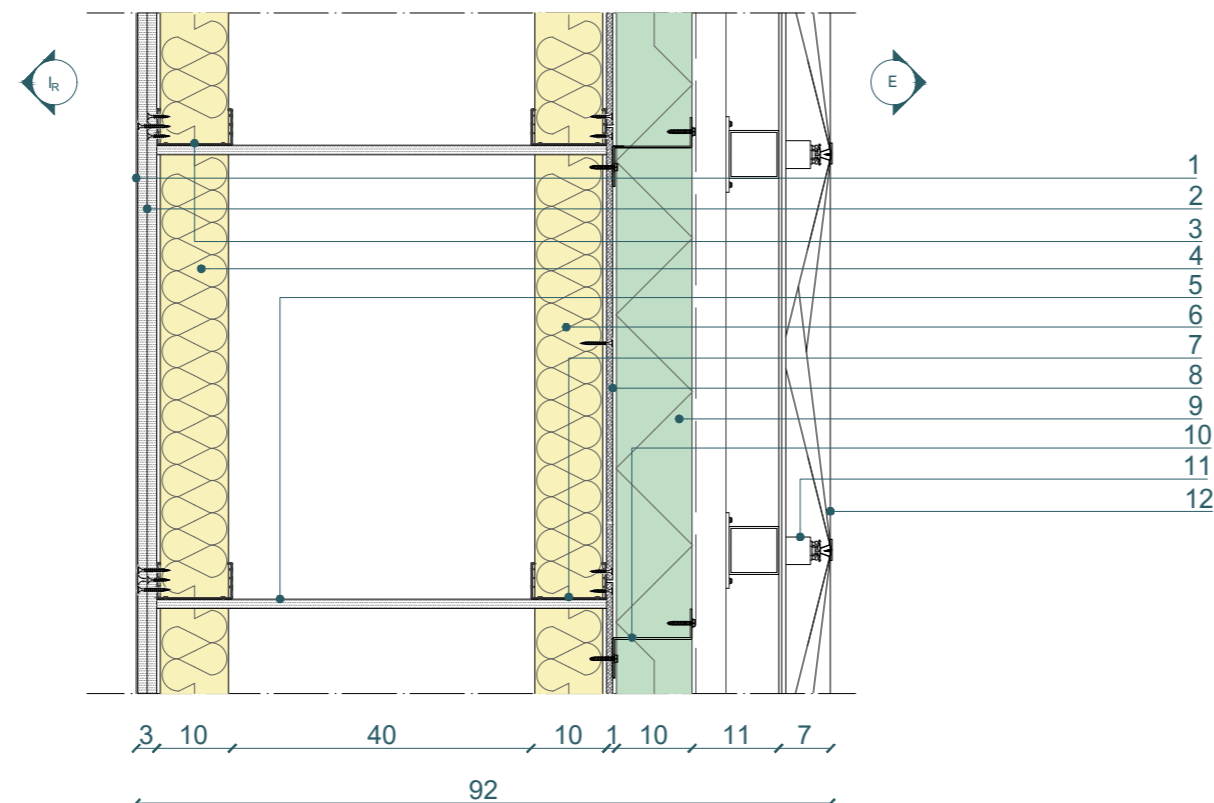


Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: rasatura in stucco - Tipo: Knauf F2F-Filler to Finish - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Distanziatore: lastre in gessofibra - Tipo: Knauf Vidiwall XL - sp. 12,5 mm
6. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
7. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
8. Strato di irrigidimento: lastra in fibrocemento - Tipo: Equitone Tectiva - sp. 8 mm
9. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) posato come cassero a perdere - Tipo: Isover XPS BT - sp. 100 mm e densità 33 kg/m³
10. Sistema di fissaggio con profili di supporto in alluminio - Tipo: Equitone
11. Sottostruttura metallica per fissaggio della facciata tessile - Tipo: Schüco Facid 65 - Sp. 80 mm
12. Strato di rivestimento: maschera a maglia triangolare in fibra di vetro PTFE - Tipo: Schüco Facid 65 - dim. 750x750 mm

0 5 10 40 cm

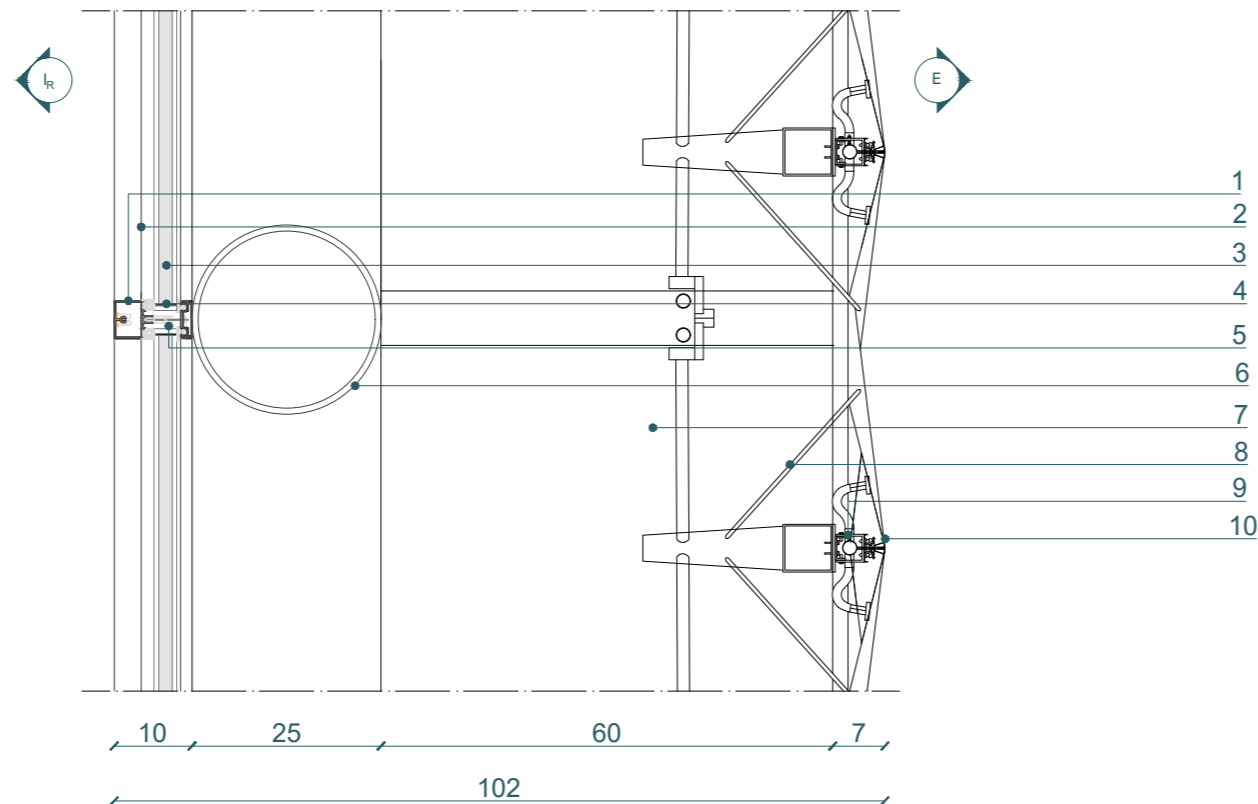
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52 ABACO DELLE STRATIGRAFIE



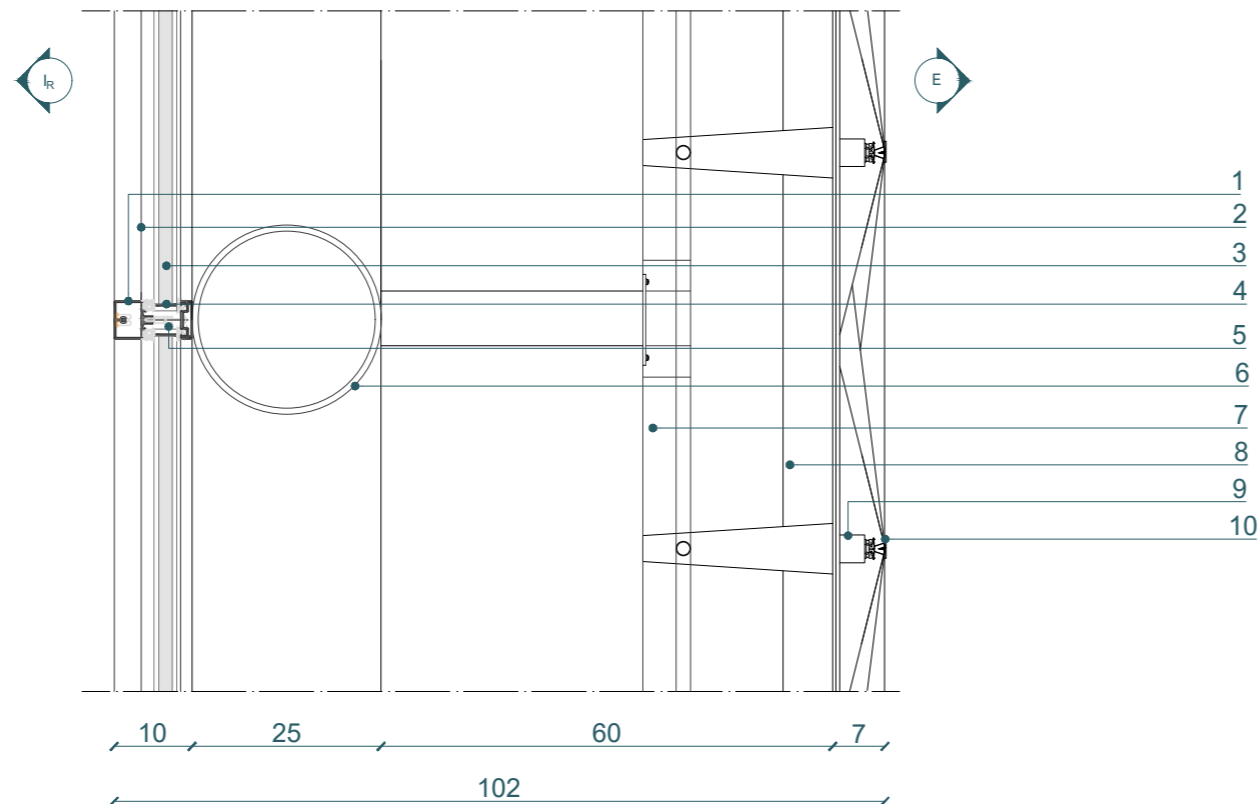
Annibale Alessandra
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SEZIONE VERTICALE



1. Trasverso in alluminio - *Tipo: Schüco FWS 50*
2. Montante in alluminio - *Tipo: Schüco FWS 50*
3. Doppio vetro con interposto concentratore solare luminescente - *sp. 6+18+6 mm*
4. Cella fotovoltaica a film sottile CIGS - *Tipo: Sinoltech FLEX-03W - dim. 2583x1292x2,5 mm*
5. Taglio termico in EPS
6. Struttura portante: profilo CSH in acciaio - *dim. 114,3 x 8 mm*
7. Sottostuttura metallica e intercapedine per manutenzione - *sp. 600 mm*
8. Sistema ad ombrello di apertura e chiusura della facciata - *sp. 200 mm*
9. Sottostuttura metallica per fissaggio della facciata tessile - *Tipo: Schüco Facid 65 - Sp. 80 mm*
10. Strato di rivestimento: maschera a maglia triangolare in fibra di vetro PTFE - *Tipo: Schüco Facid 65 - dim. 750x750 mm*

SEZIONE ORIZZONTALE



0 5 10 40 cm

SCALA 1:10

53 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
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C.V.01+: VARIANTE (compartimentazione antincendio)1. e 2. sostituiti da:

- 1.1. Strato di finitura: intonaco rasante a base di calce e cemento - *Tipo: Knauf FP120 - sp. 2 mm*
- 2.1. Strato di finitura: intonaco di fondo a base di calce e cemento - *Tipo: Fassa Bortolo KF4 - sp. 15 mm*

C.V.02.a+: VARIANTE (compartimentazione antincendio)1. e 2. sostituiti da:

- 1.1. Strato di finitura: intonaco rasante a base di calce e cemento - *Tipo: Knauf FP120 - sp. 2 mm*
- 2.1. Strato di finitura: intonaco di fondo a base di calce e cemento - *Tipo: Fassa Bortolo KF4 - sp. 15 mm*

C.V.02.b: VARIANTE (circolazione)1. e 2. sostituiti da:

- 1.1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - *Tipo: Mapei Ultratop Loft F - sp. 2 mm*

C.V.03.b: VARIANTE (uffici)2. sostituito da:

- 2.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - *Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2*

C.V.04.b: VARIANTE (palestra)1. e 2. sostituiti da:

- 1.1. Strato di finitura: pannelli in legno lamellare incrociato a giunti verticali - *Tipo: LIGNO TREND LIGNO Akustik Sport 3G-33 - sp. 33 mm*
- 2.1. Orditura in legno: listelli in legno di betulla - *sp. 18 mm*
- 3.1. Fissaggio: viti per legno autoforanti per la regolazione della distanza - *Tipo: Würth JAMO plus - d.6 mm*

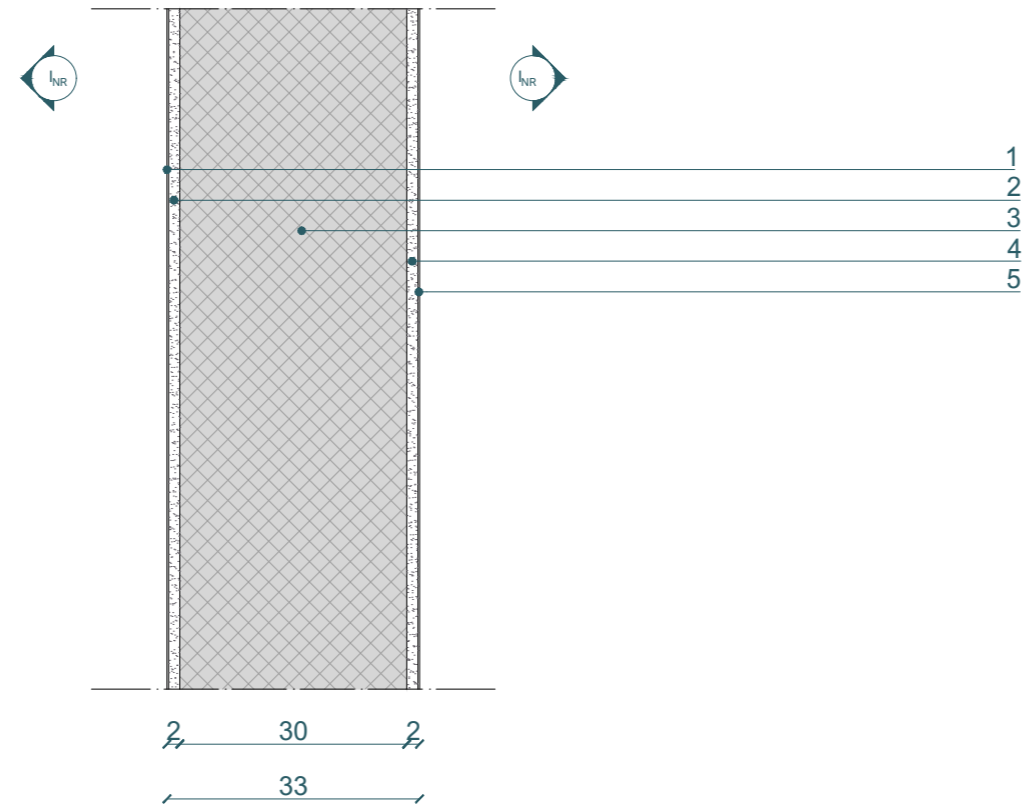
C.V.05.b: VARIANTE (terrazza)1. e 2. sostituiti da:

- 1.1. Strato di finitura: pannelli acustici in legno massiccio fissati tramite viti - *Tipo: Ideatec IDEAWOOD Idealux FL - sp. 42 mm*
- 2.1. Strato di irrigidimento: pannello in OSB con accoppiata barriera a vapore - *sp. 15 mm*

C.V.07.b: VARIANTE (ingresso sud)3. e 4. sostituiti da:

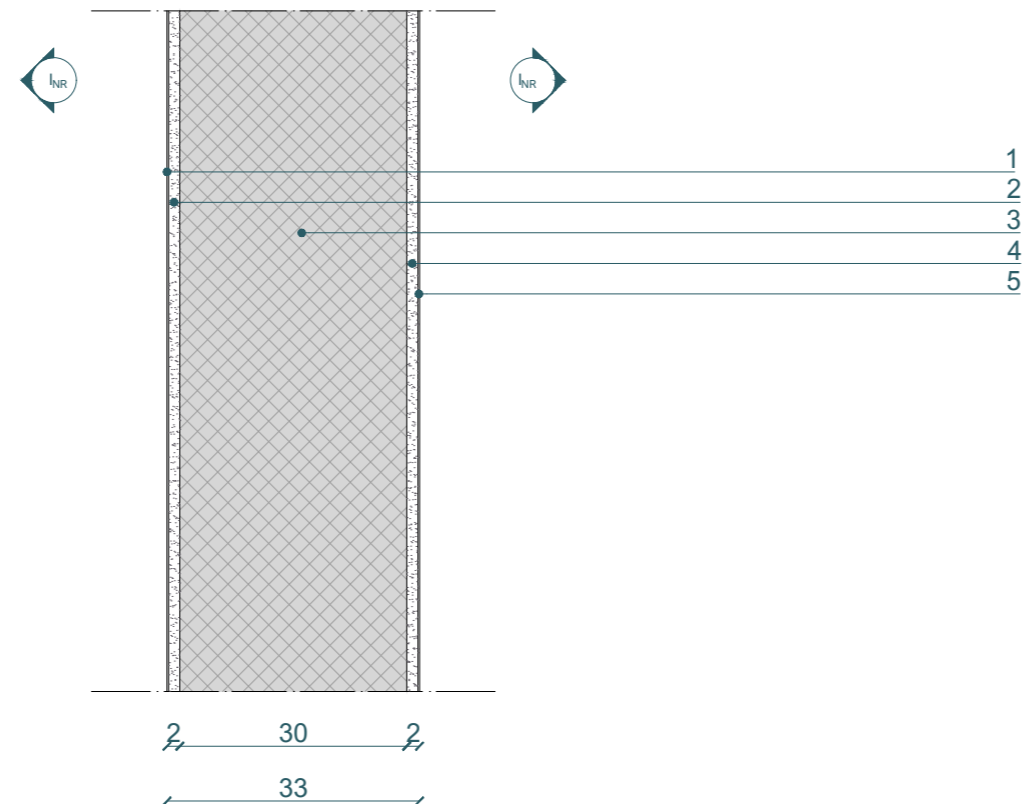
- 3.1. Doppio vetro con vetro camera con doppia lastra esterna di sicurezza e lastra interna trattata basso emissivo - *sp. 6+18+6 mm*

SEZIONE VERTICALE



1. Strato di finitura: Intonaco rasante a base di calce e cemento - *Tipo: Fassa Bortolo IG21 - sp. 2 mm*
2. Strato di finitura: Intonaco di fondo a base di calce e cemento - *Tipo: Fassa Bortolo KS9 - sp. 15 mm*
3. Strato portante: Calcestruzzo armato - *sp. 300 mm*
4. Strato di finitura: Intonaco di fondo a base di calce e cemento - *Tipo: Fassa Bortolo KS9 - sp. 15 mm*
1. Strato di finitura: Intonaco rasante a base di calce e cemento - *Tipo: Fassa Bortolo IG21 - sp. 2 mm*

SEZIONE ORIZZONTALE



0 5 10 40 cm

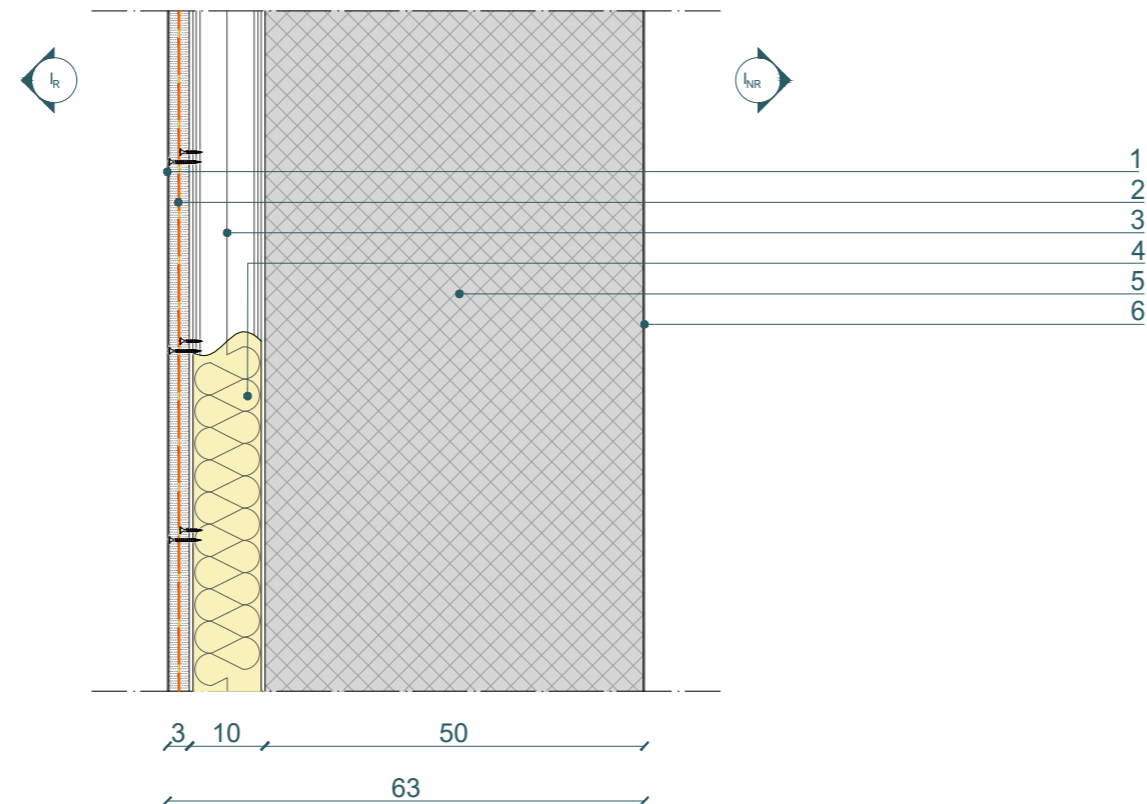
SCALA 1:10

55 ABACO DELLE
 STRATIGRAFIE



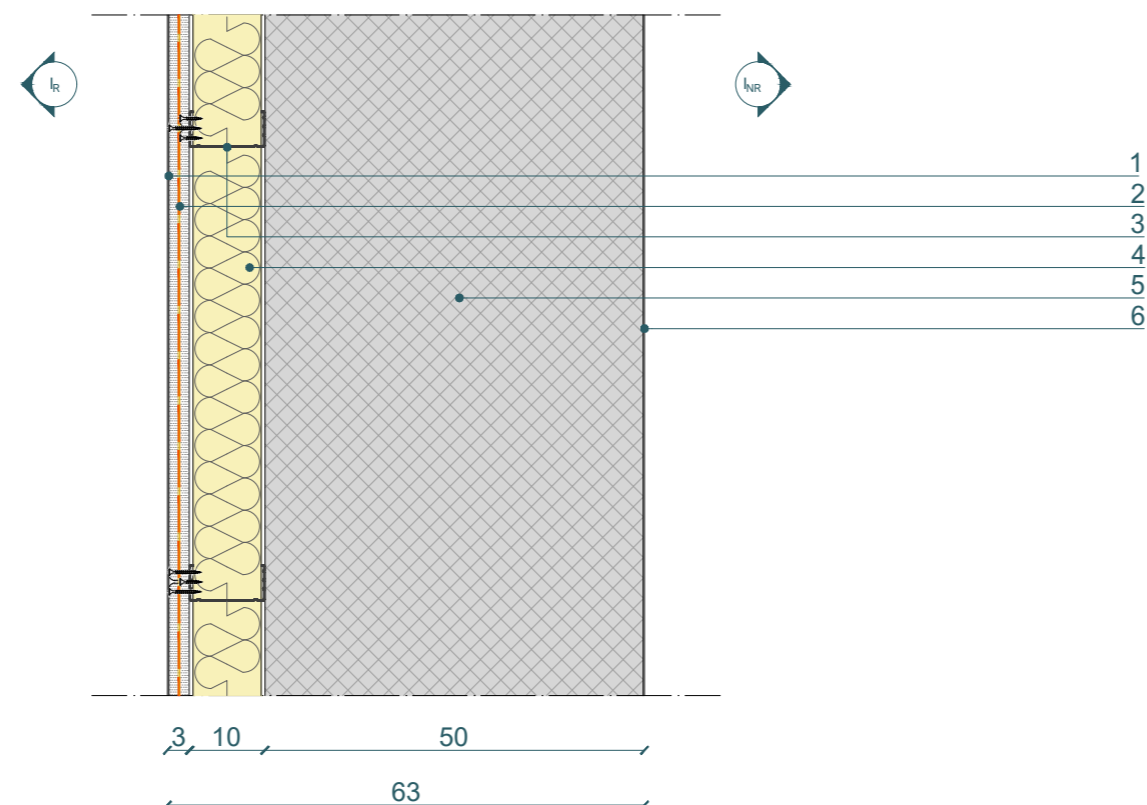
Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Strato portante: calcestruzzo armato - sp. 500 mm
6. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

SEZIONE ORIZZONTALE



0 5 10 40 cm

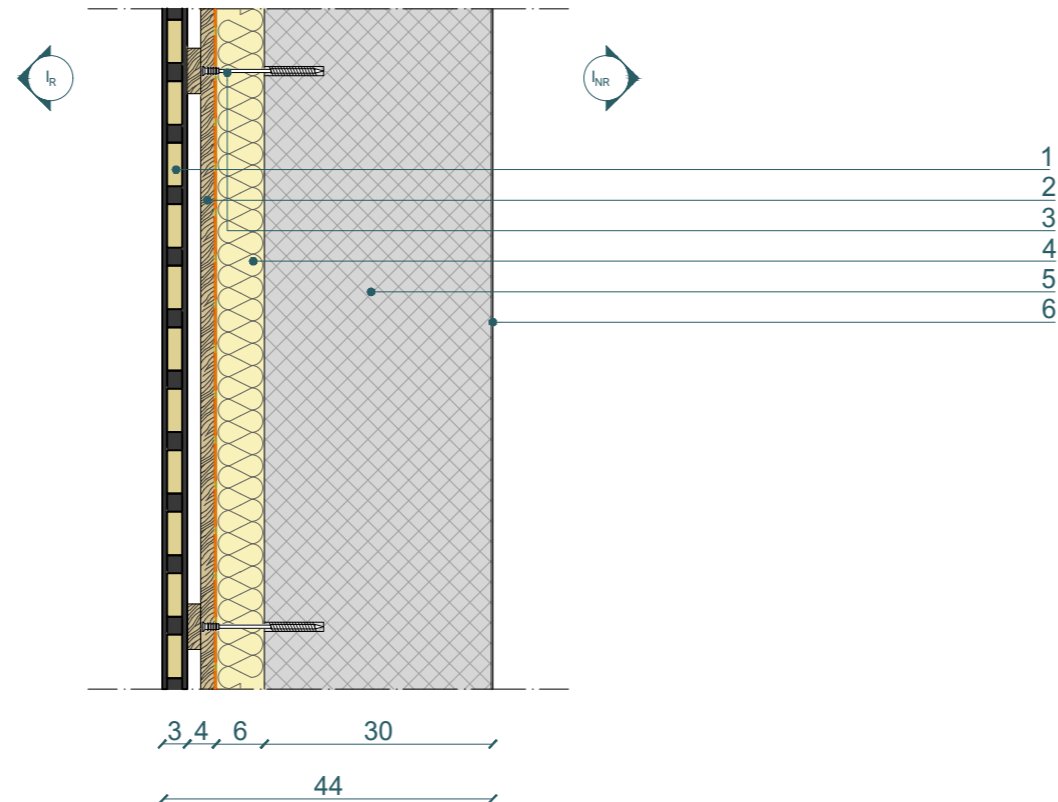
SCALA 1:10

56 ABACO DELLE
STRATIGRAFIE

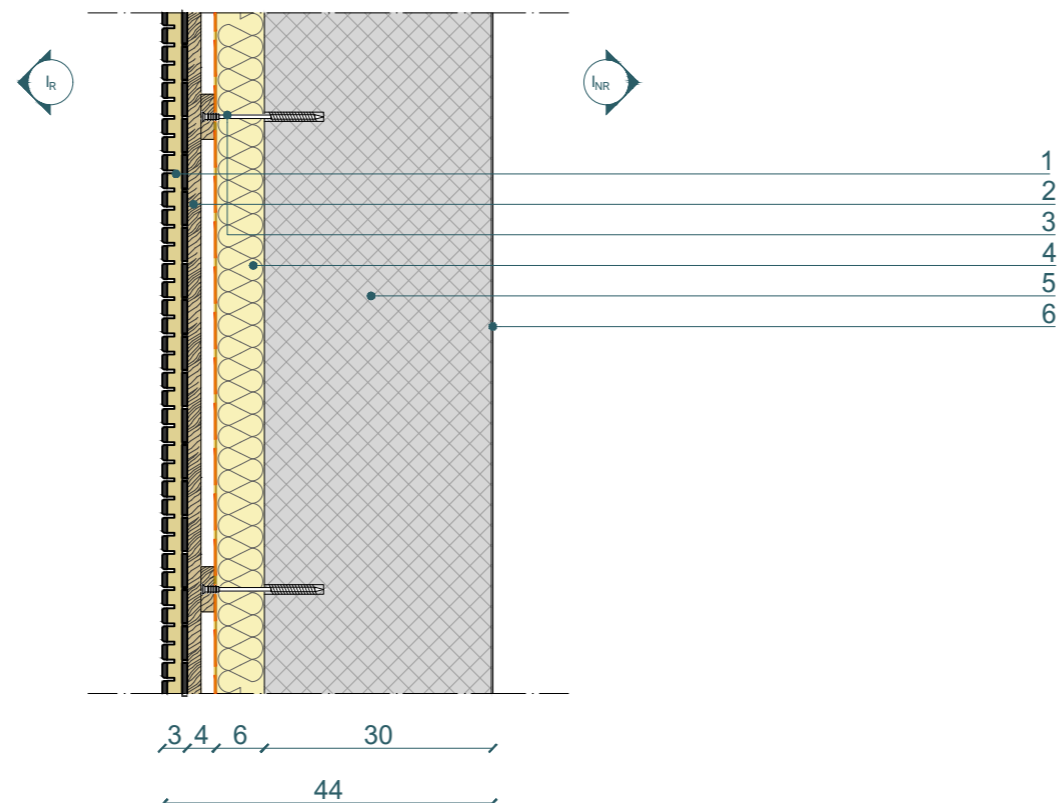


Annibale Alessandra
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SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: pannelli in legno lamellare incrociato a giunti verticali - Tipo: LIGNO TREND LIGNO Akustik Sport 3G-33 - sp. 33 mm
2. Orditura in legno: listelli in legno di betulla - sp. 18 mm
3. Fissaggio: viti per legno autoforanti per la regolazione della distanza - Tipo: Würth JAMO plus - d.6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Strato portante: calcestruzzo armato - sp. 300 mm
6. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

0 5 10 40 cm

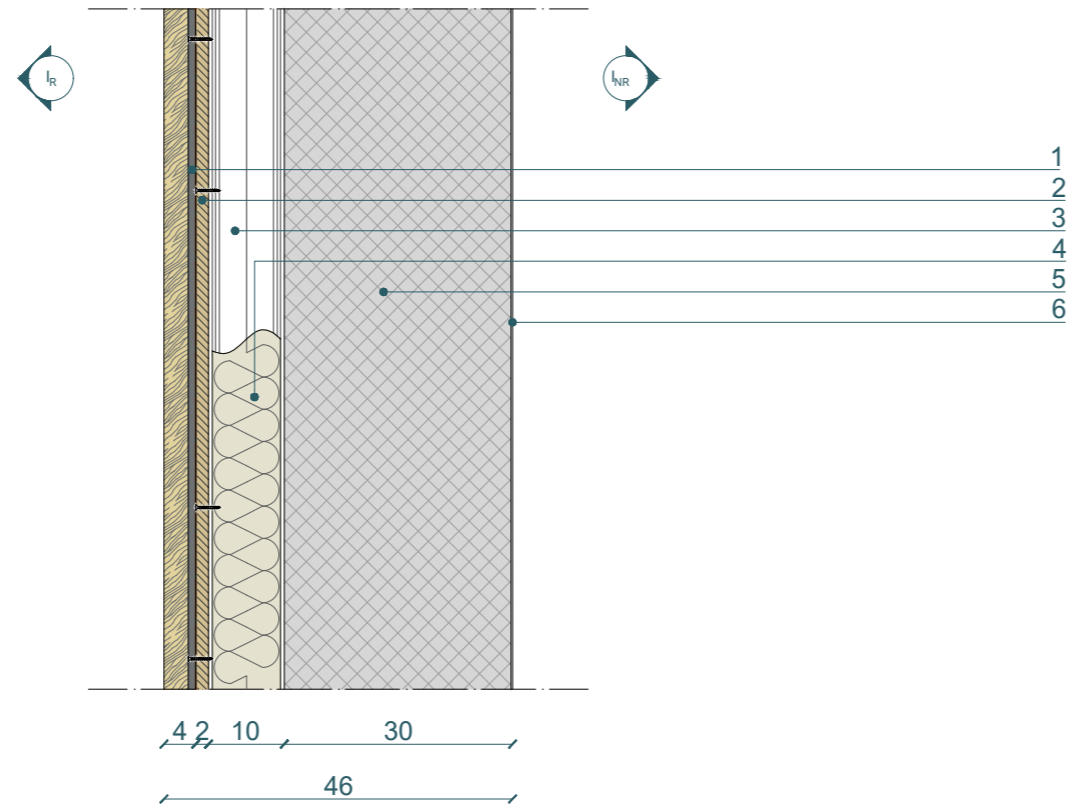
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57 ABACO DELLE STRATIGRAFIE



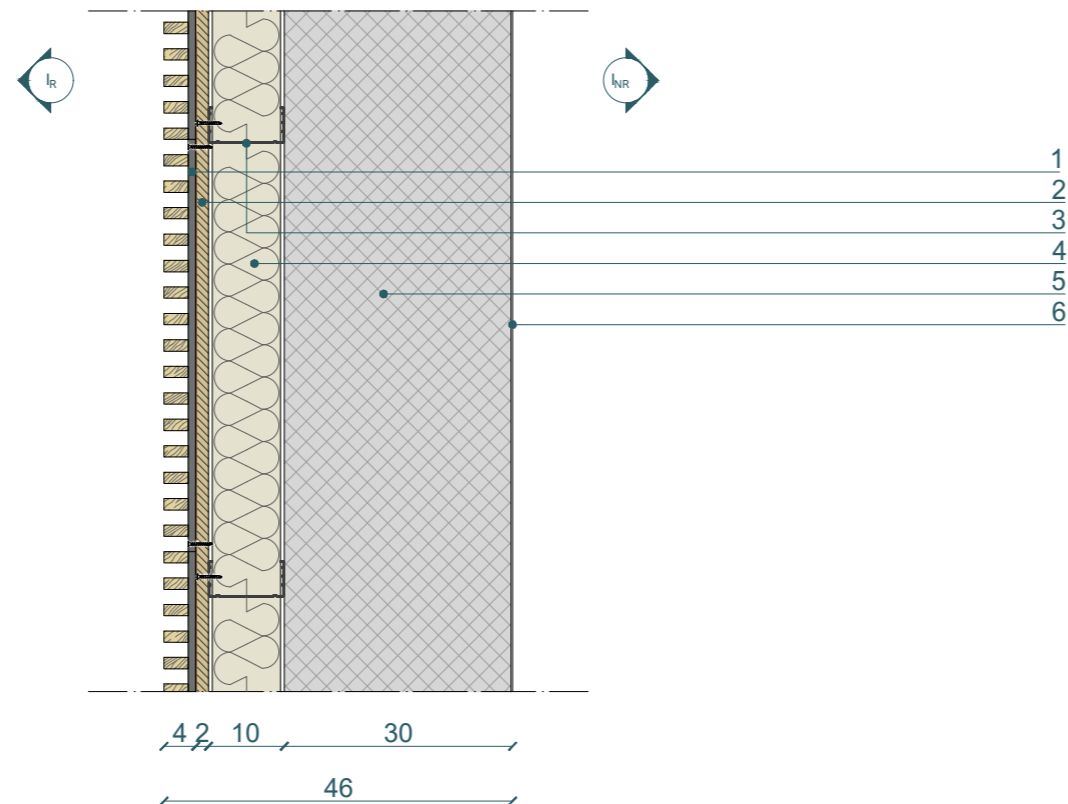
Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



1. Strato di finitura: pannelli acustici in legno massiccio fissati tramite viti - Tipo: Ideatec IDEAWOOD Idealux FL - sp. 42 mm
2. Strato di irrigidimento: pannello in OSB con accoppiata barriera a vapore - sp. 15 mm
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
5. Strato portante: calcestruzzo armato - sp. 300 mm
6. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

SEZIONE ORIZZONTALE



0 5 10 40 cm

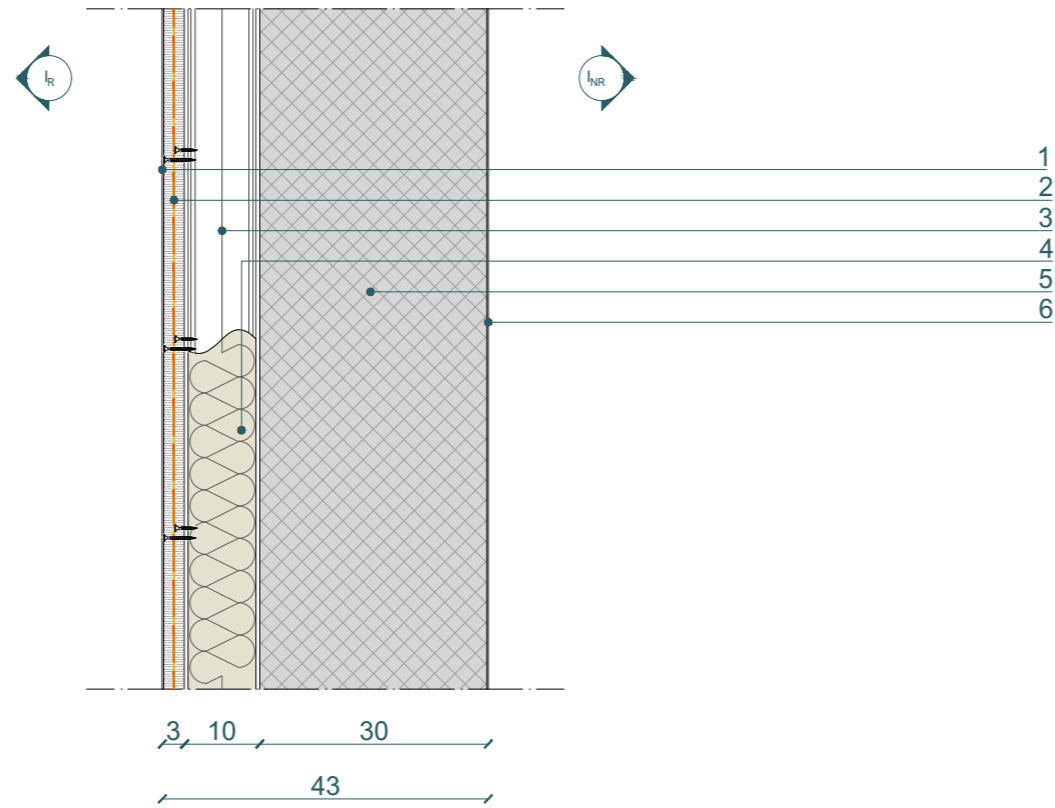
SCALA 1:10

58 ABACO DELLE STRATIGRAFIE



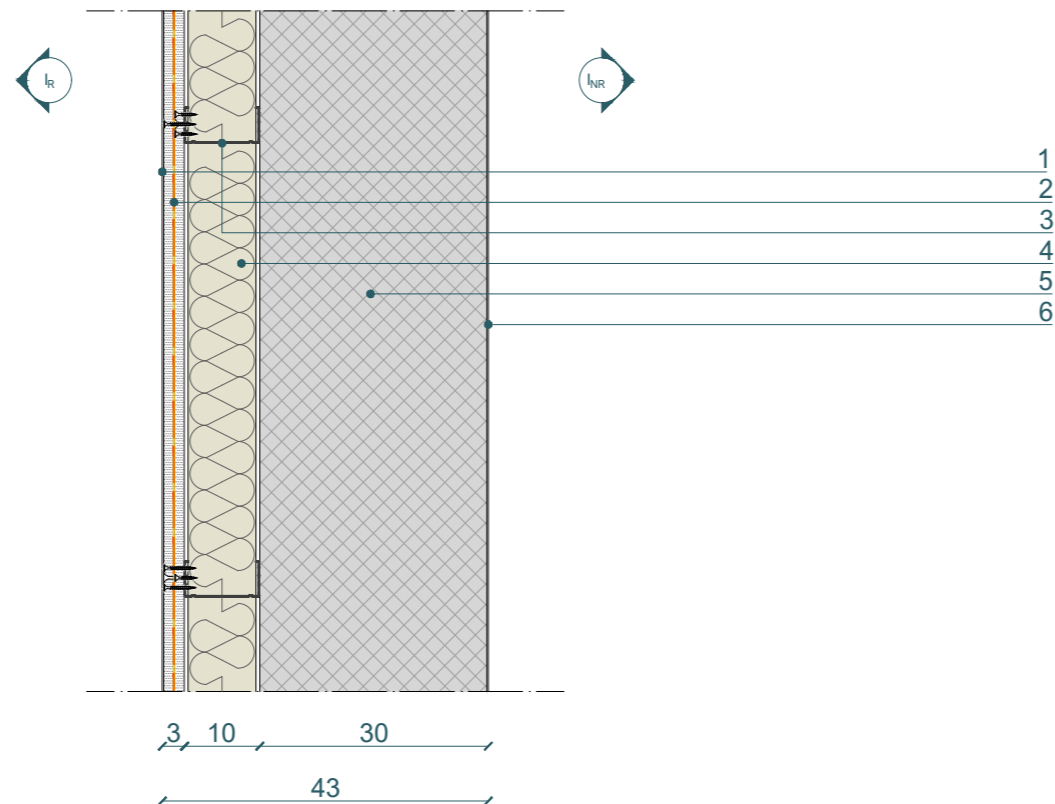
Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



1. Strato di finitura: rasatura in stucco -
Tipo: Knauf F2F-Filler to Finish - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
5. Strato portante: calcestruzzo armato - sp. 300 mm
6. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

SEZIONE ORIZZONTALE



0 5 10 40 cm

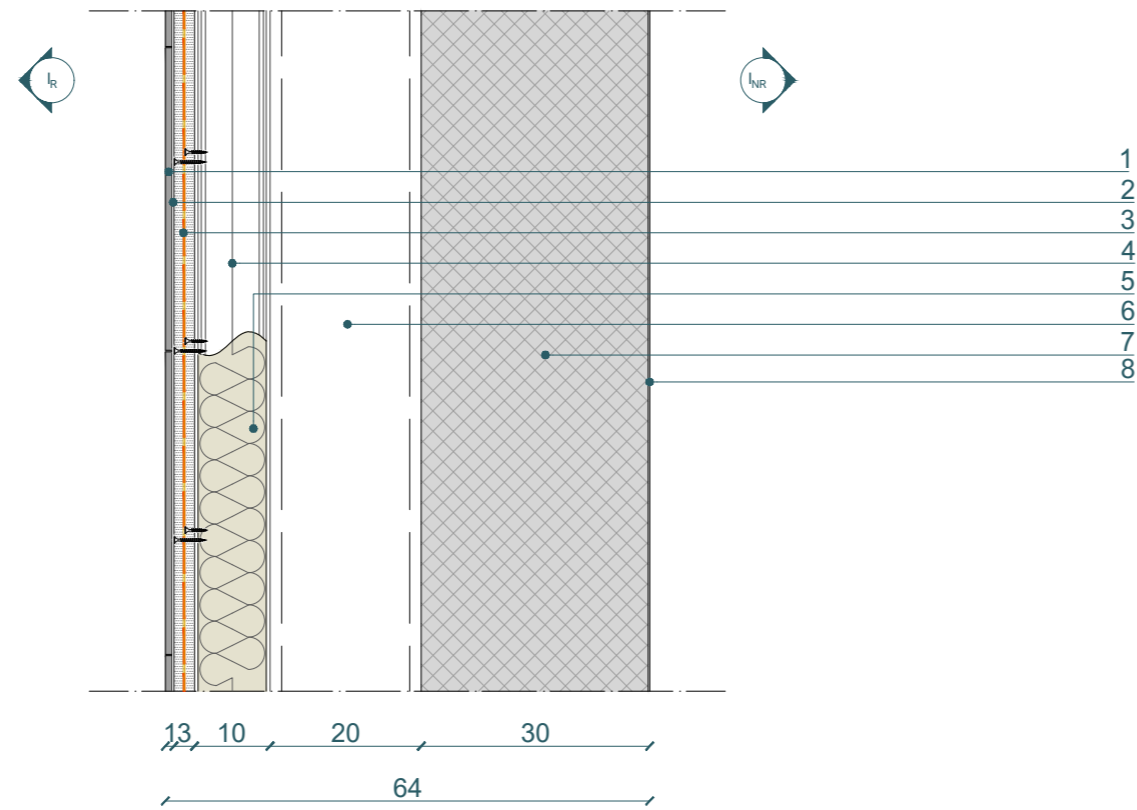
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59 ABACO DELLE STRATIGRAFIE



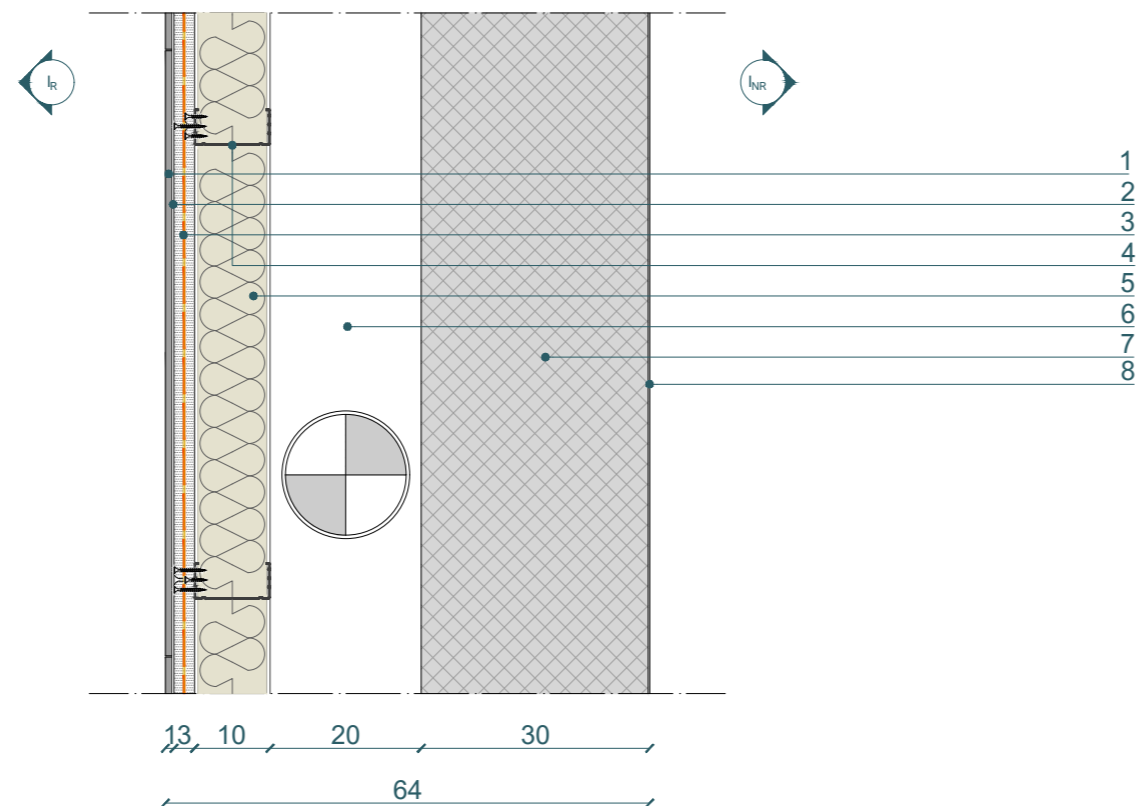
Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram Eclipse 40x80 - sp. 8,5 mm
2. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - Tipo: Kerakoll Special Eco - sp. 3 mm
3. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2
4. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
5. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
6. Intercapedine d'aria - sp. 200 mm
7. Strato portante: calcestruzzo armato - sp. 300 mm
8. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

SEZIONE ORIZZONTALE



0 5 10 40 cm

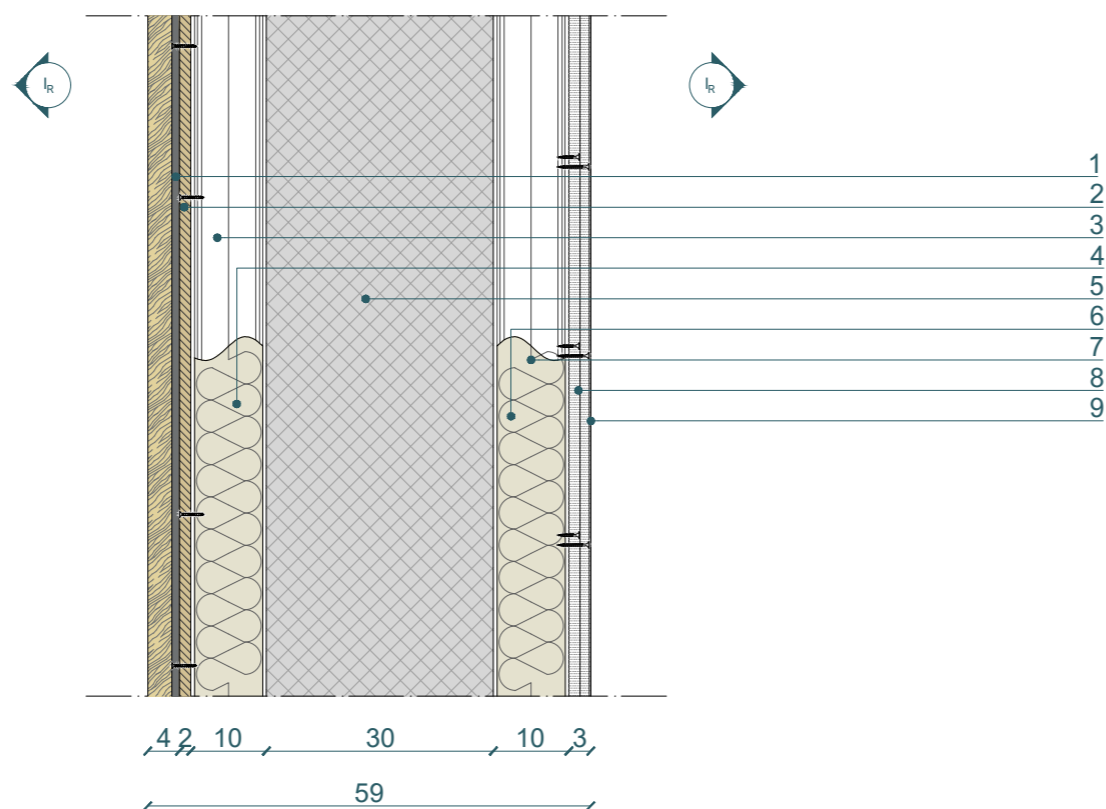
SCALA 1:10

60 ABACO DELLE STRATIGRAFIE

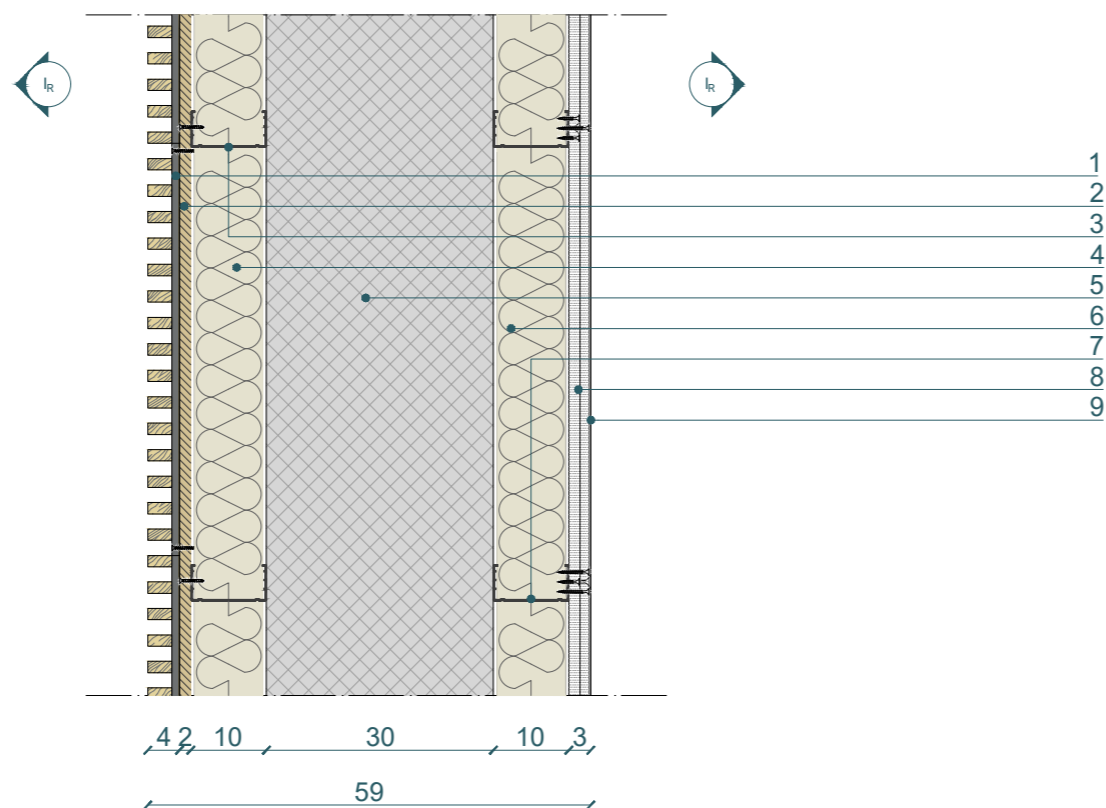


Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: pannelli acustici in legno massiccio fissati tramite viti - Tipo: Ideatec IDEAWOOD Idealux FL - sp. 42 mm
2. Strato di irrigidimento: pannello in OSB con accoppiata barriera a vapore - sp. 15 mm
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
5. Strato portante: calcestruzzo armato - sp. 300 mm
6. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
7. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
8. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2
9. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

0 5 10 40 cm

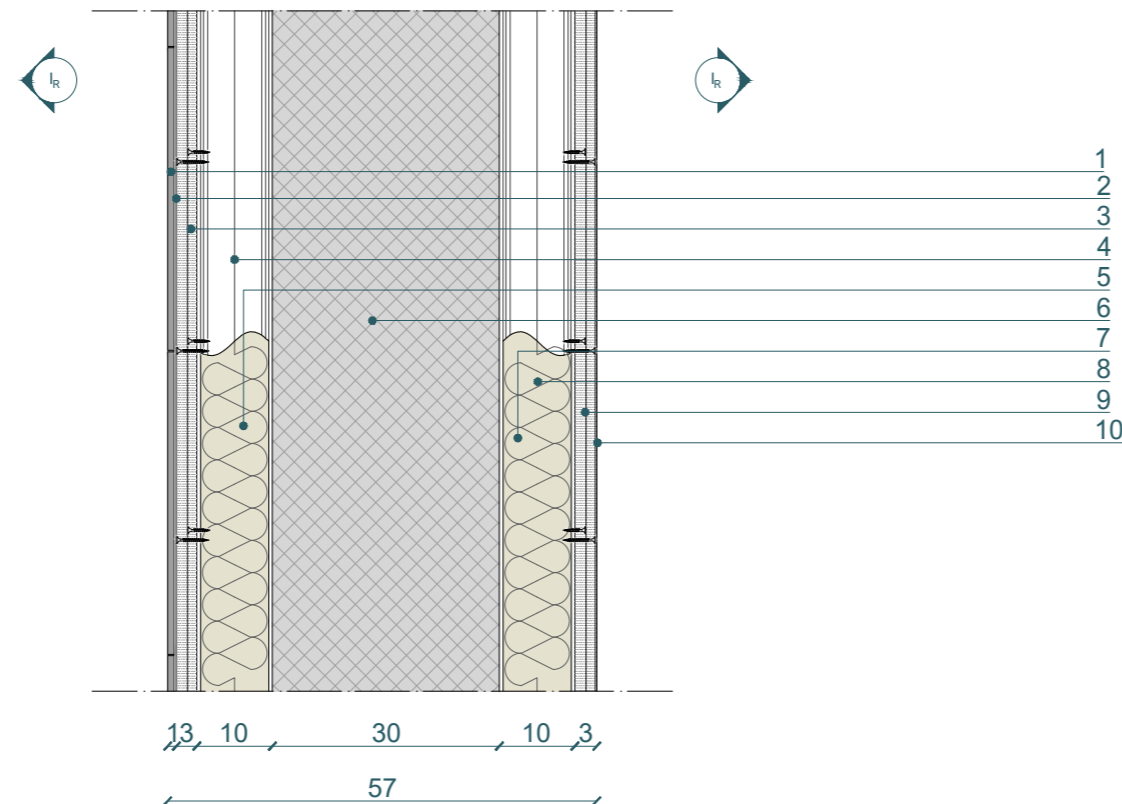
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61 ABACO DELLE STRATIGRAFIE

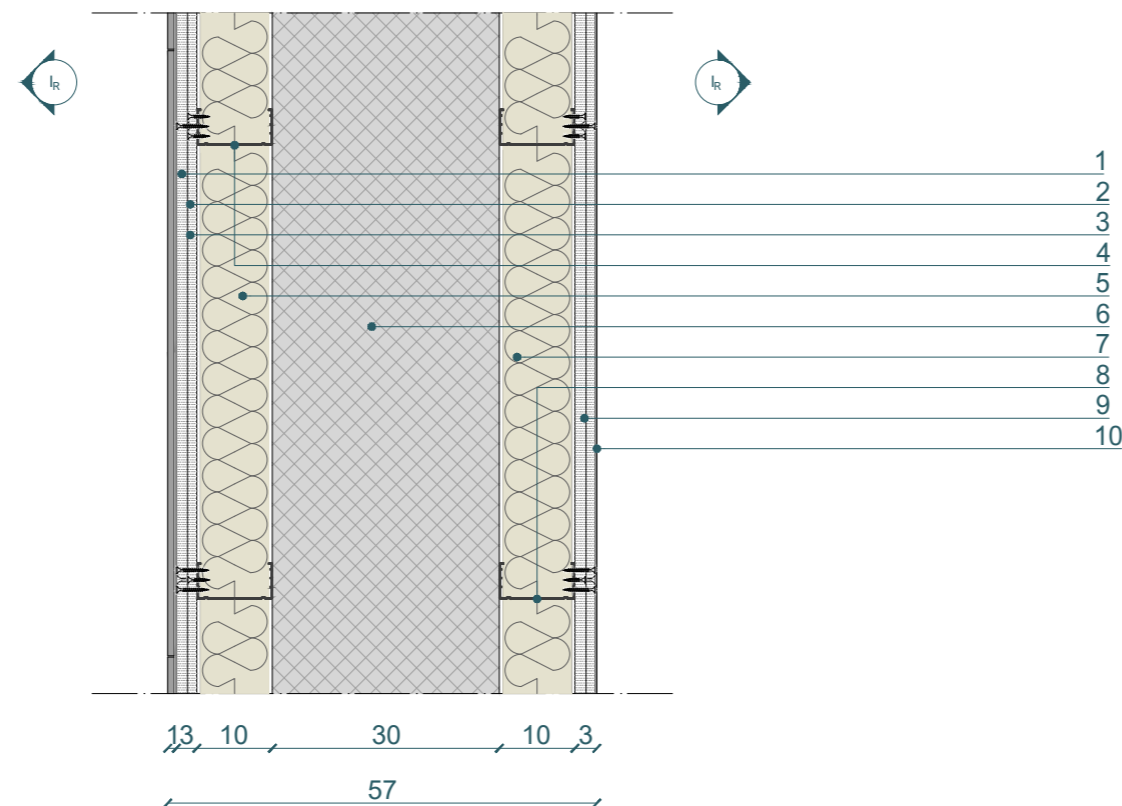


Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram Eclipse 40x80 - sp. 8,5 mm
2. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - Tipo: Kerakoll Special Eco - sp. 3 mm
3. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2
4. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
5. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
6. Strato portante: calcestruzzo armato - sp. 300 mm
7. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
8. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
9. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
10. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

0 5 10 40 cm

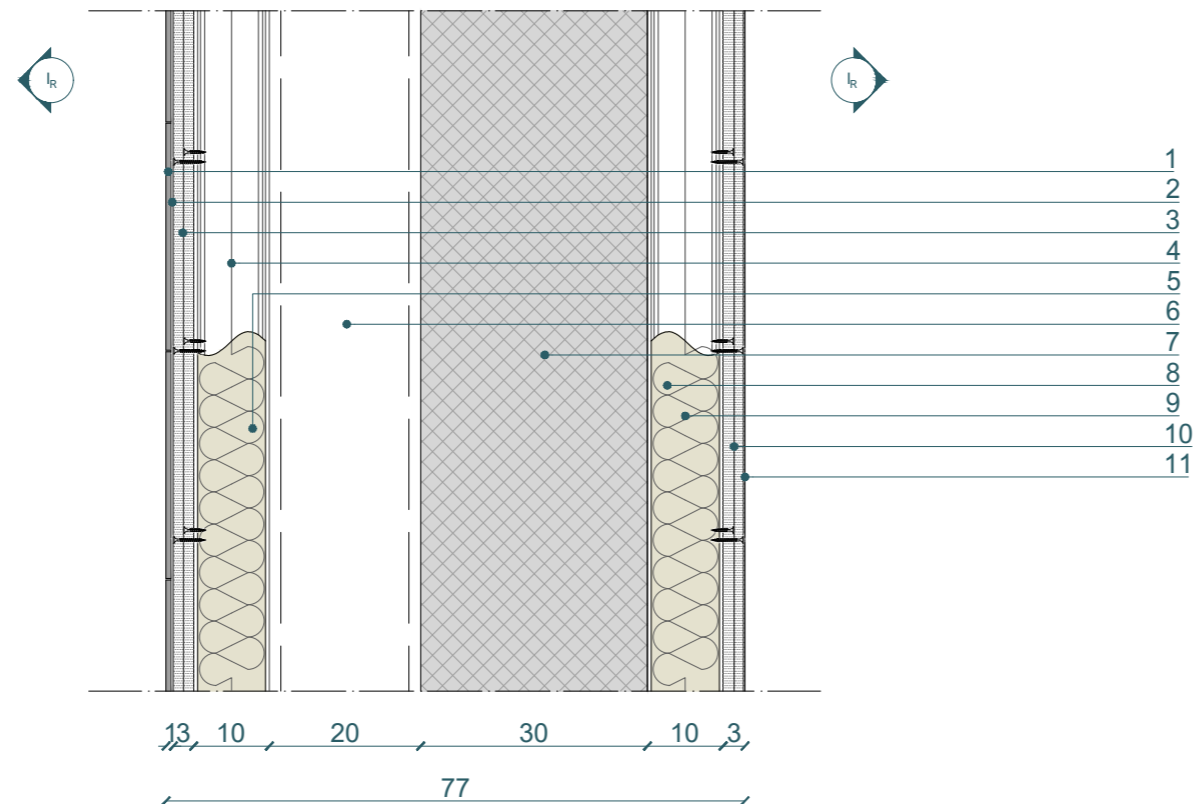
SCALA 1:10

62 ABACO DELLE STRATIGRAFIE

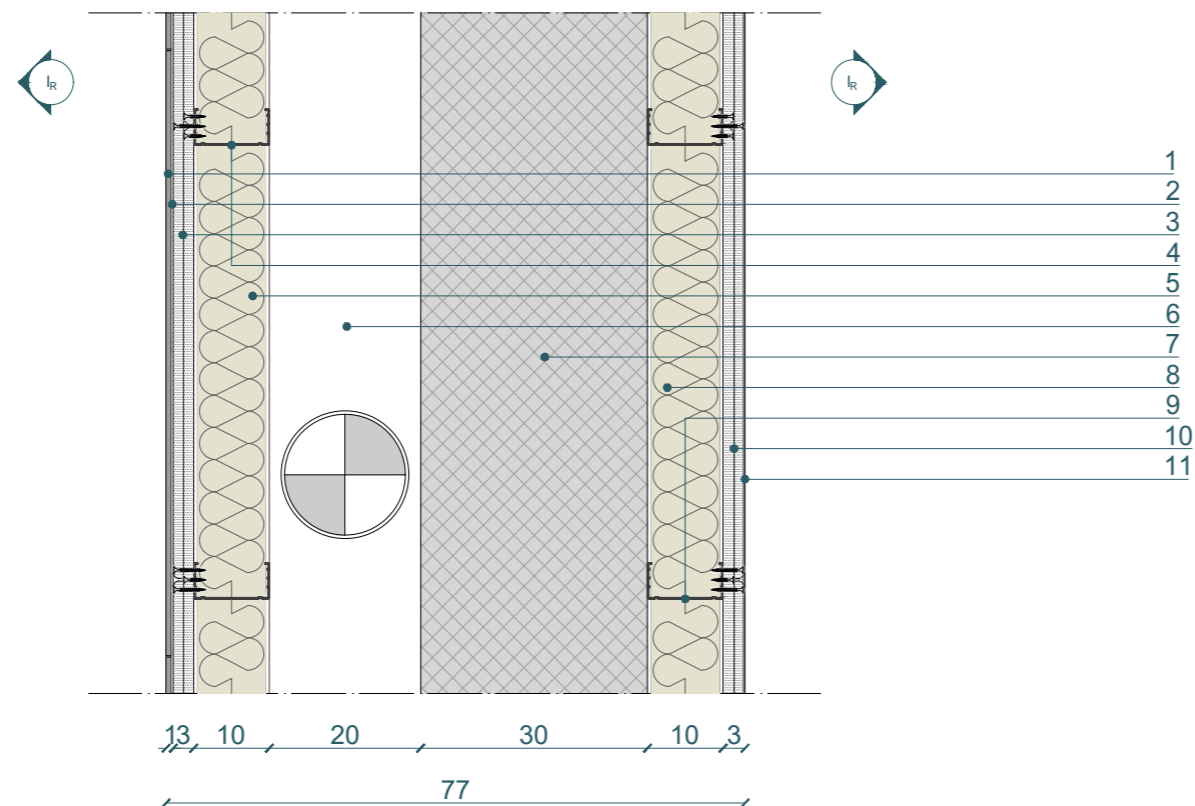


Annibale Alessandra
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Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram Iridium OPA-LE 30x30 - sp. 6,6 mm
2. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - Tipo: Kerakoll Special Eco - sp. 3 mm
3. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2
4. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
5. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
6. Intercapedine d'aria - sp.200 mm
7. Strato portante: calcestruzzo armato - sp. 300 mm
8. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
9. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
10. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
11. Strato di finitura: rasatura in stucco - Tipo: Knauf F2F-Filler to Finish - sp. 2 mm

0 5 10 40 cm

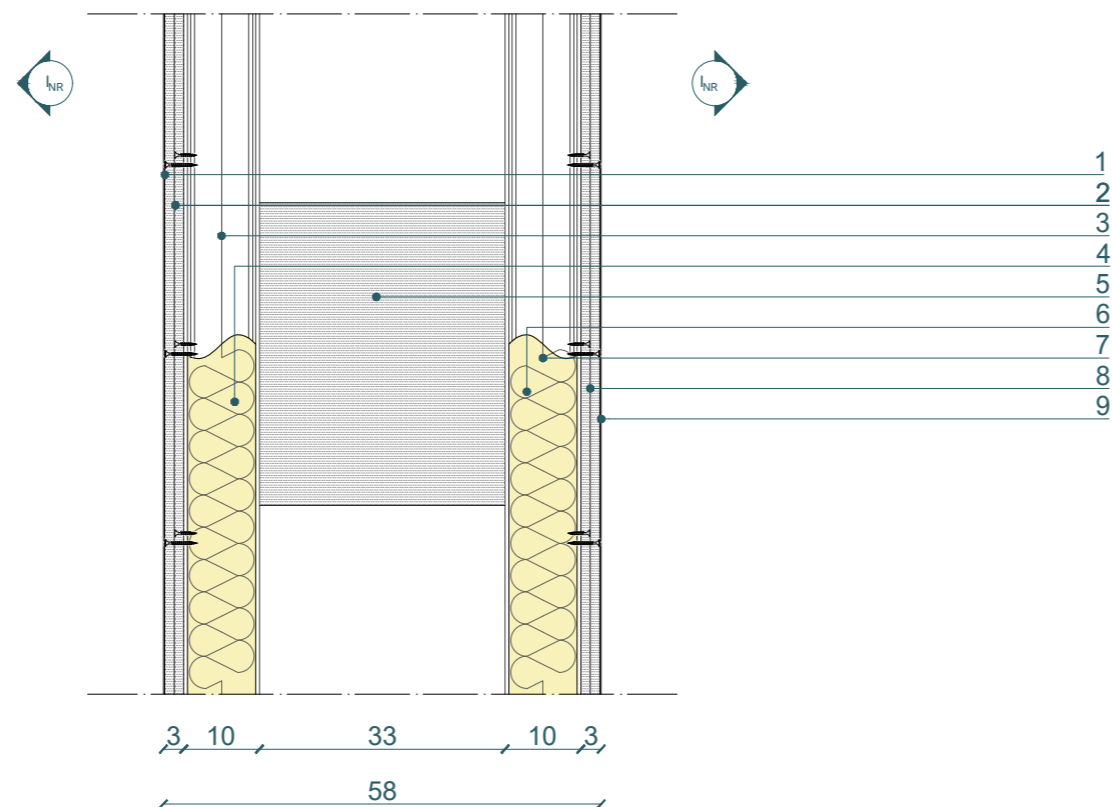
SCALA 1:10

63 ABACO DELLE STRATIGRAFIE

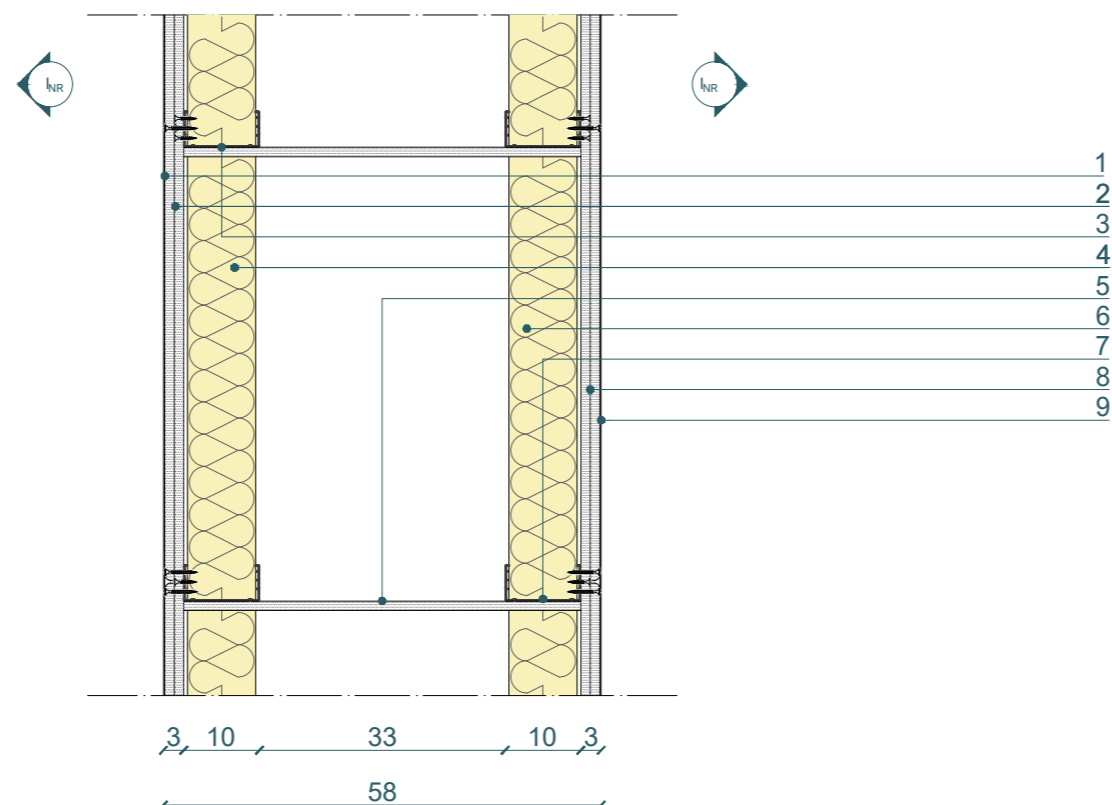


Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE

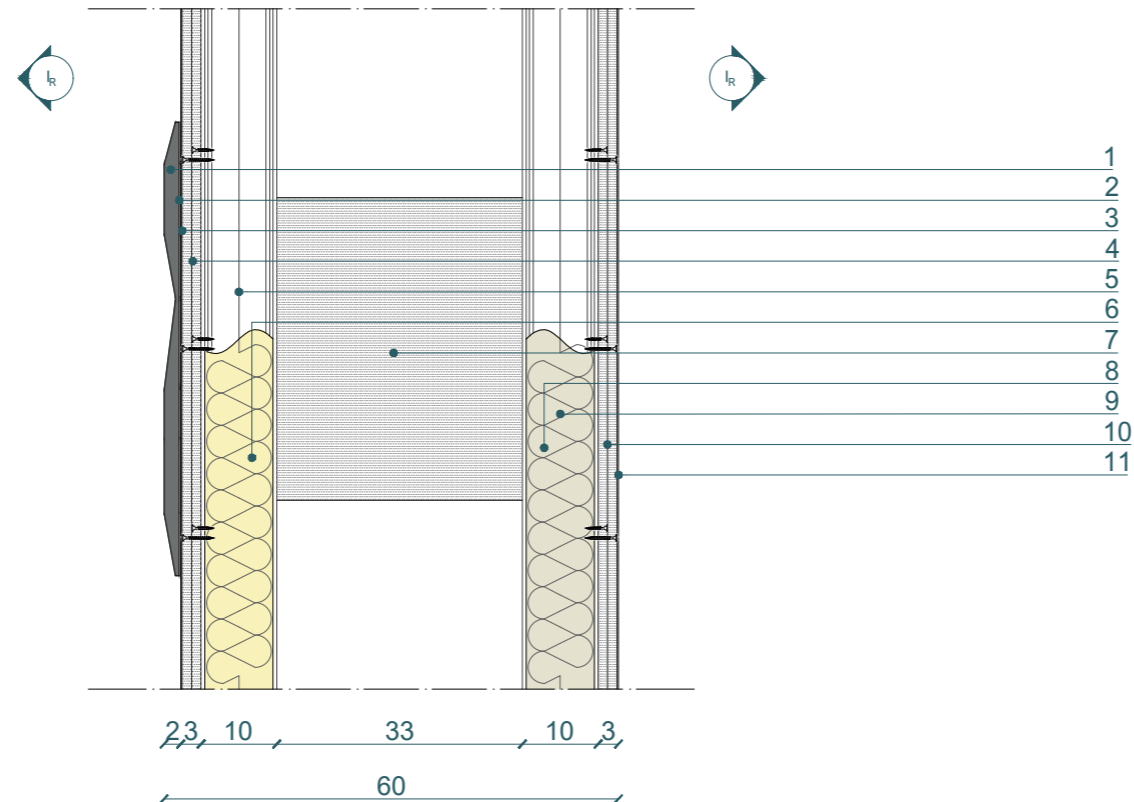


1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Distanziatore: lastre in gessofibra - Tipo: Knauf Vidiwall XL - sp. 12,5 mm
6. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
7. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
8. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
9. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

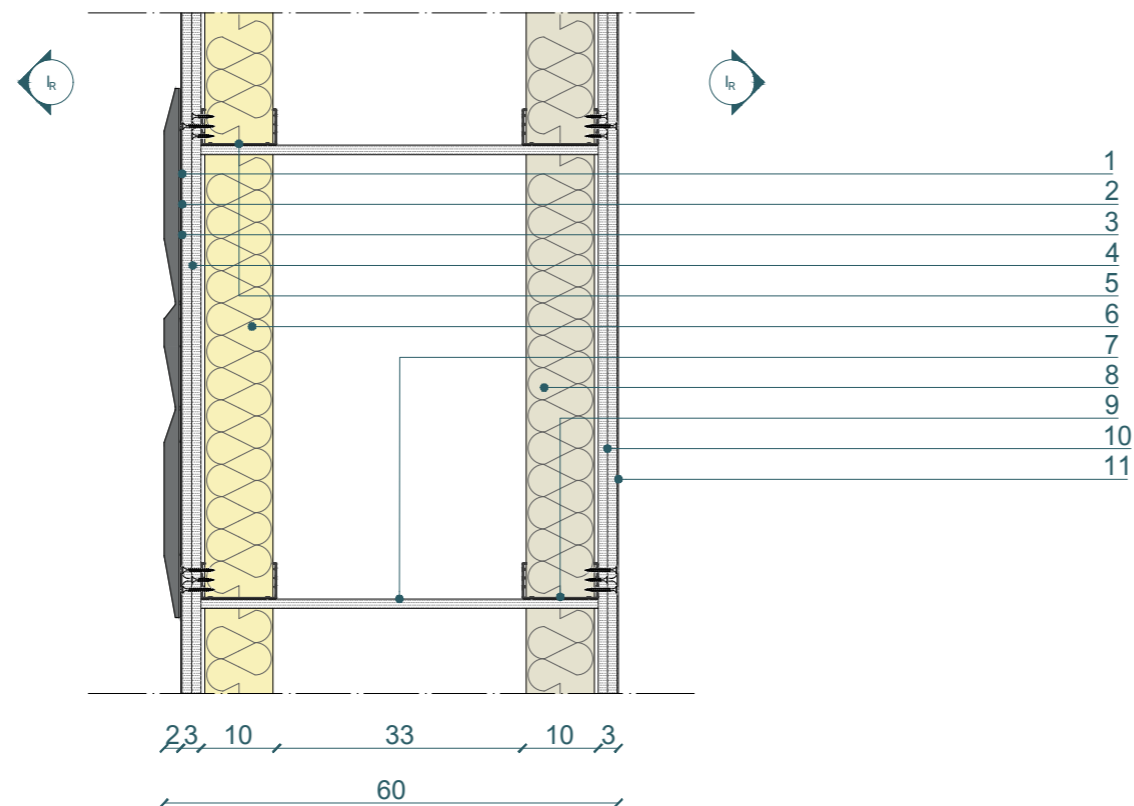
0 5 10 40 cm

SCALA 1:10

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura puntuale: pannelli acustici in lana VicPET - Tipo: Vicoustic GEN_VMT Penray 01 Panels 60x70- sp. 20 mm
2. Strato di incollaggio: collante in stirene non aggressivo - Tipo: Vicoustic Flexi Glue Ultra - sp. 2 mm
3. Strato di finitura: rasatura in stucco - Tipo: Knauf F2F-Filler to Finish - sp. 2 mm
4. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
5. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
6. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
7. Distanziatore: lastre in gessofibra - Tipo: Knauf Vidiwall XL - sp. 12,5 mm
8. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
9. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
10. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
11. Strato di finitura: rasatura in stucco - Tipo: Knauf F2F-Filler to Finish - sp. 2 mm



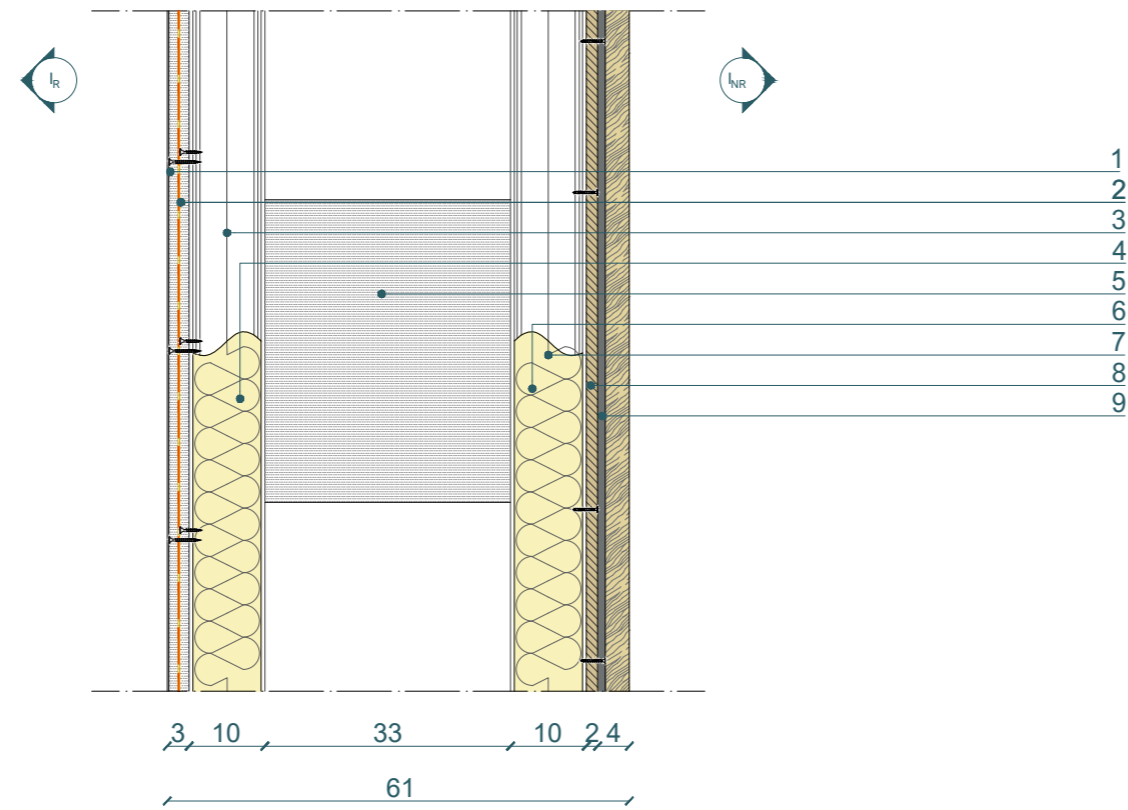
SCALA 1:10

65 ABACO DELLE STRATIGRAFIE



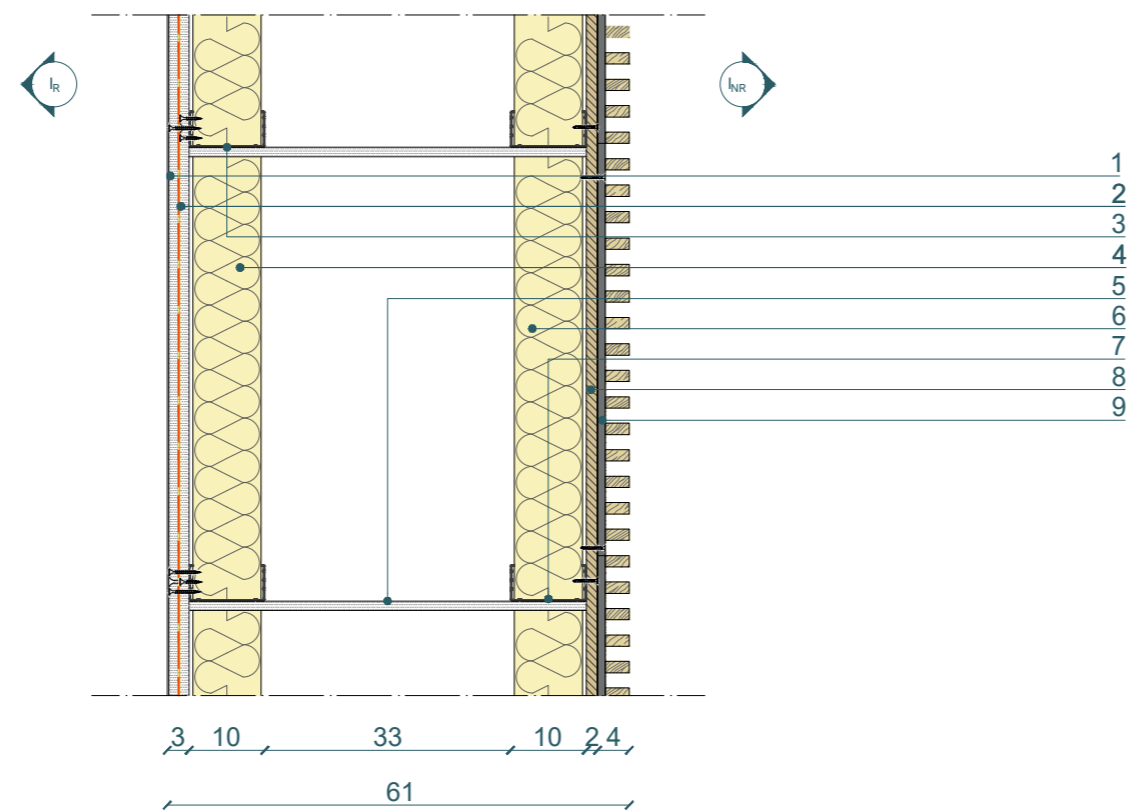
Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



1. Strato di finitura: rasatura in stucco - Tipo: Knauf F2F-Filler to Finish - sp. 2 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Distanziatore: lastre in gessofibra - Tipo: Knauf Vidiwall XL - sp. 12,5 mm
6. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
7. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
8. Strato di irrigidimento: pannello in OSB con accoppiata barriera a vapore - sp. 15 mm
9. Strato di finitura: pannelli acustici in legno massiccio fissati tramite viti - Tipo: Ideatec IDEAWOOD Idealux FL - sp. 42 mm

SEZIONE ORIZZONTALE



0 5 10 40 cm

SCALA 1:10

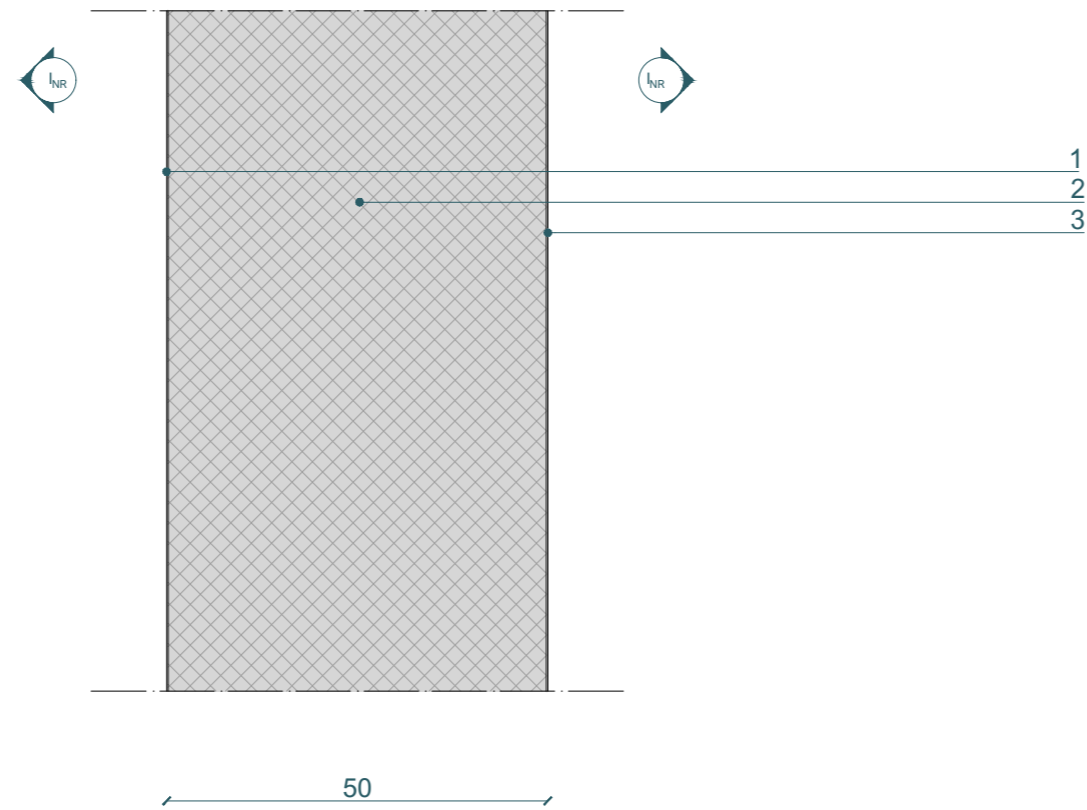
66 ABACO DELLE STRATIGRAFIE



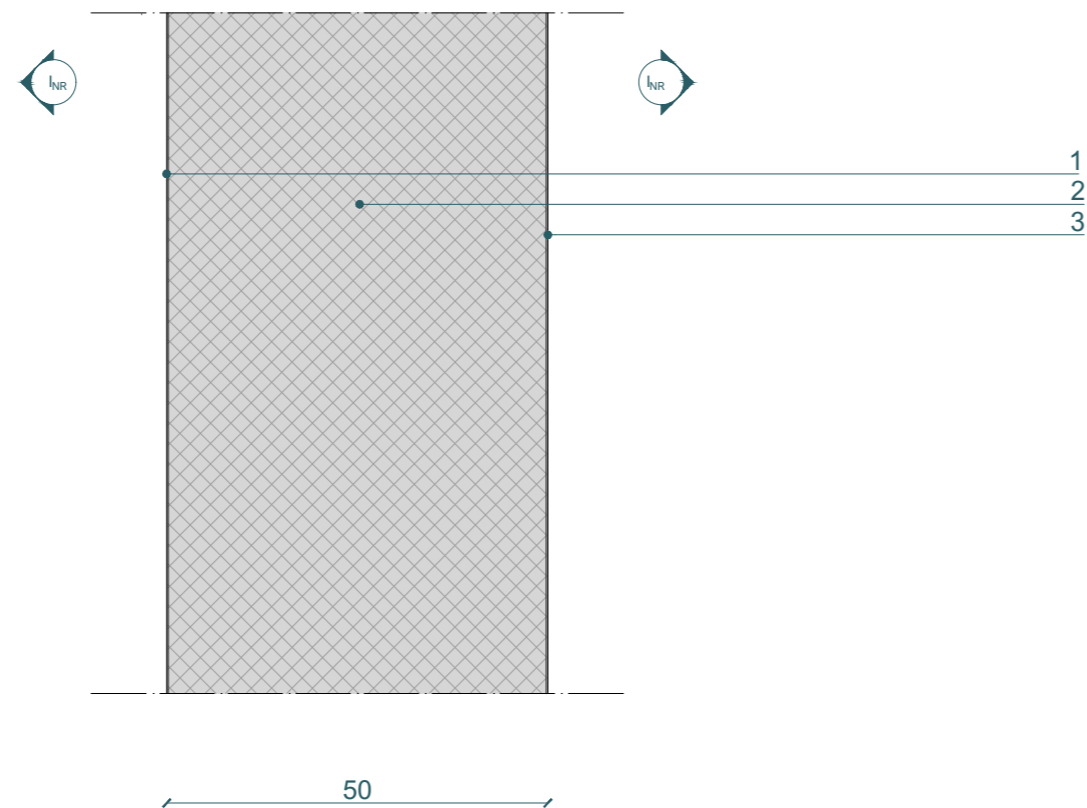
Annibale Alessandra
Chiesa Emily
Prelli Giulia

1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm
2. Strato portante: calcestruzzo armato - sp. 500 mm
3. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



0 5 10 40 cm

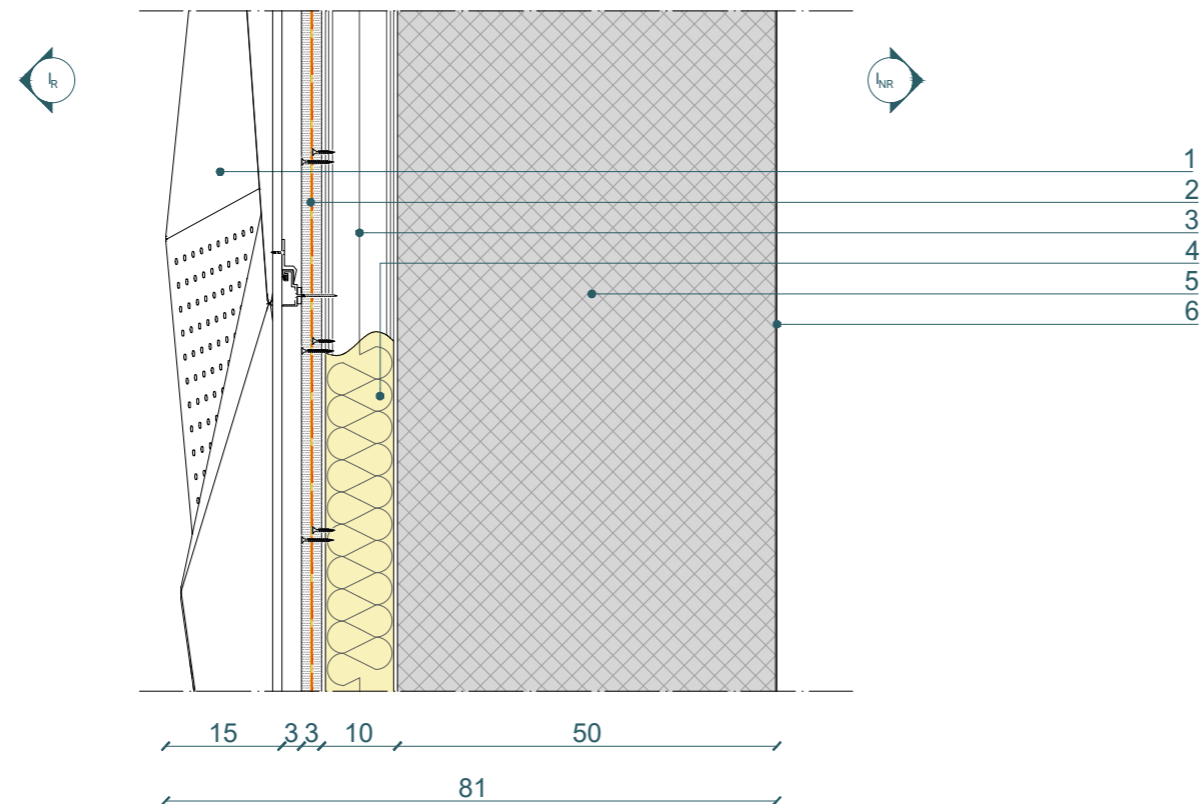
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67 ABACO DELLE STRATIGRAFIE



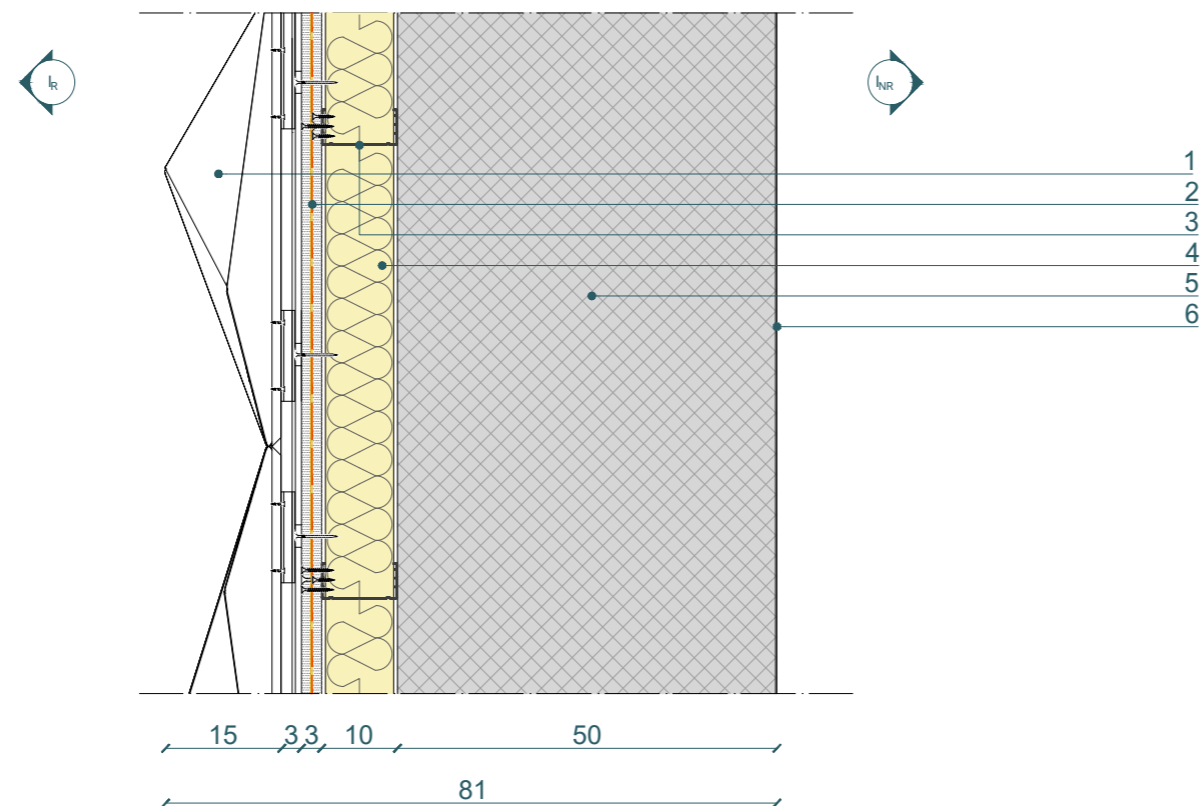
Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



1. Strato di finitura e isolamento acustico: pannelli fonoassorbenti con legno naturale - Tipo: Mikodam Geta 120 x 240 - sp. 150 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Strato portante: calcestruzzo armato - sp. 500 mm
6. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

SEZIONE ORIZZONTALE



0 5 10 40 cm

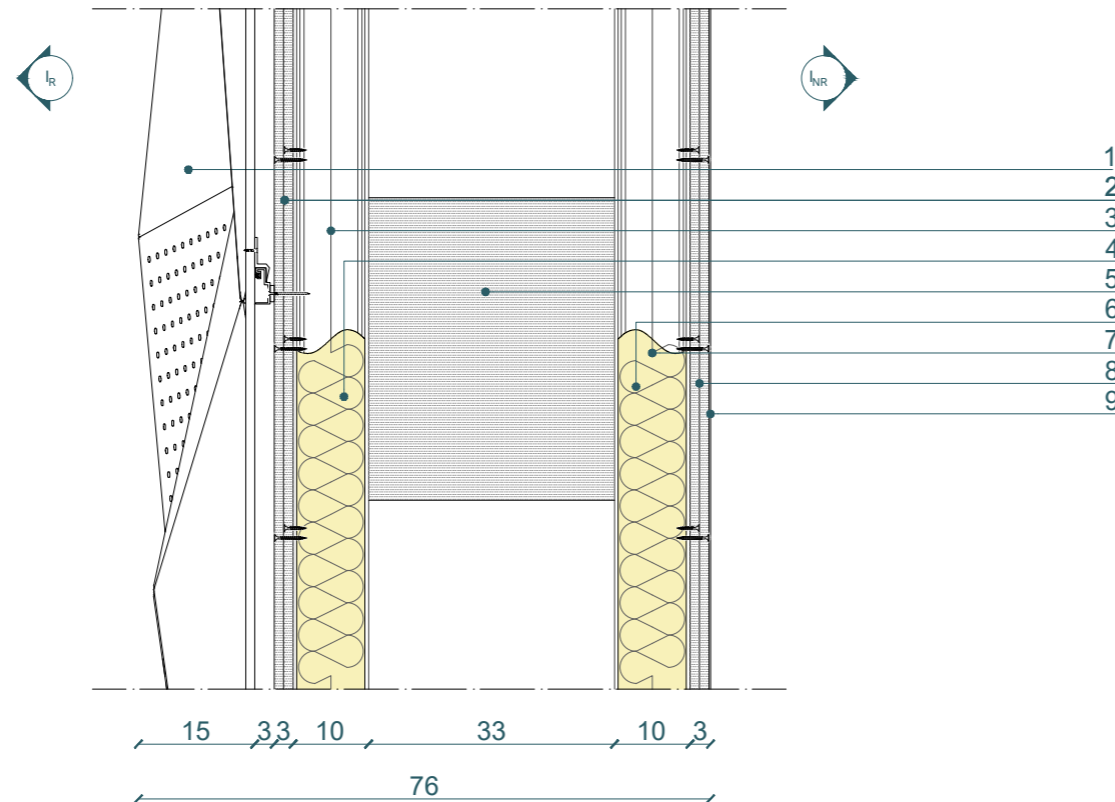
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68 ABACO DELLE STRATIGRAFIE

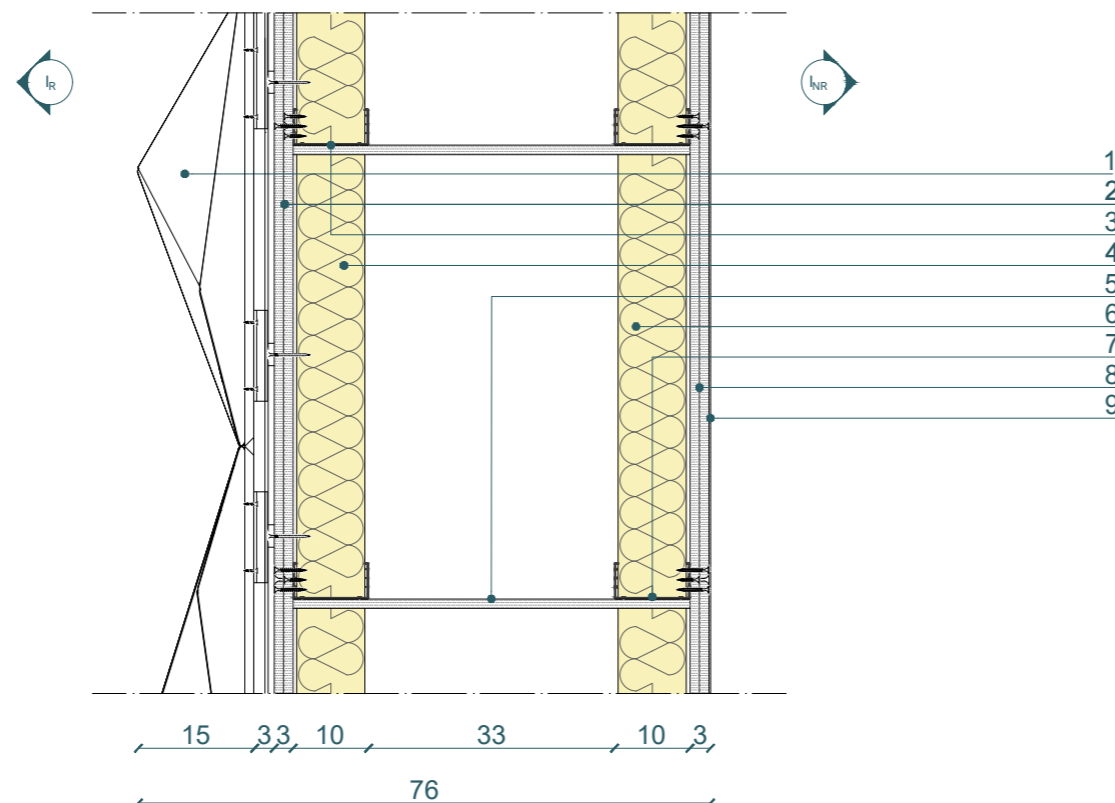


Annibale Alessandra
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Prelli Giulia

SEZIONE VERTICALE



SEZIONE ORIZZONTALE



P.V. V

PARTIZIONE VERTICALE

Spalti arena

1. Strato di finitura e isolamento acustico: pannelli fonoassorbenti con legno naturale - Tipo: Mikodam Geta 120 x 240 - sp. 150 mm
2. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2
3. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
4. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
5. Distanziatore: lastre in gessofibra - Tipo: Knauf Vidiwall XL - sp. 12,5 mm
6. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
7. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
8. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
9. Strato di finitura: rasatura in stucco - Tipo: Knauf F2F-Filler to Finish - sp. 2 mm

0 5 10 40 cm

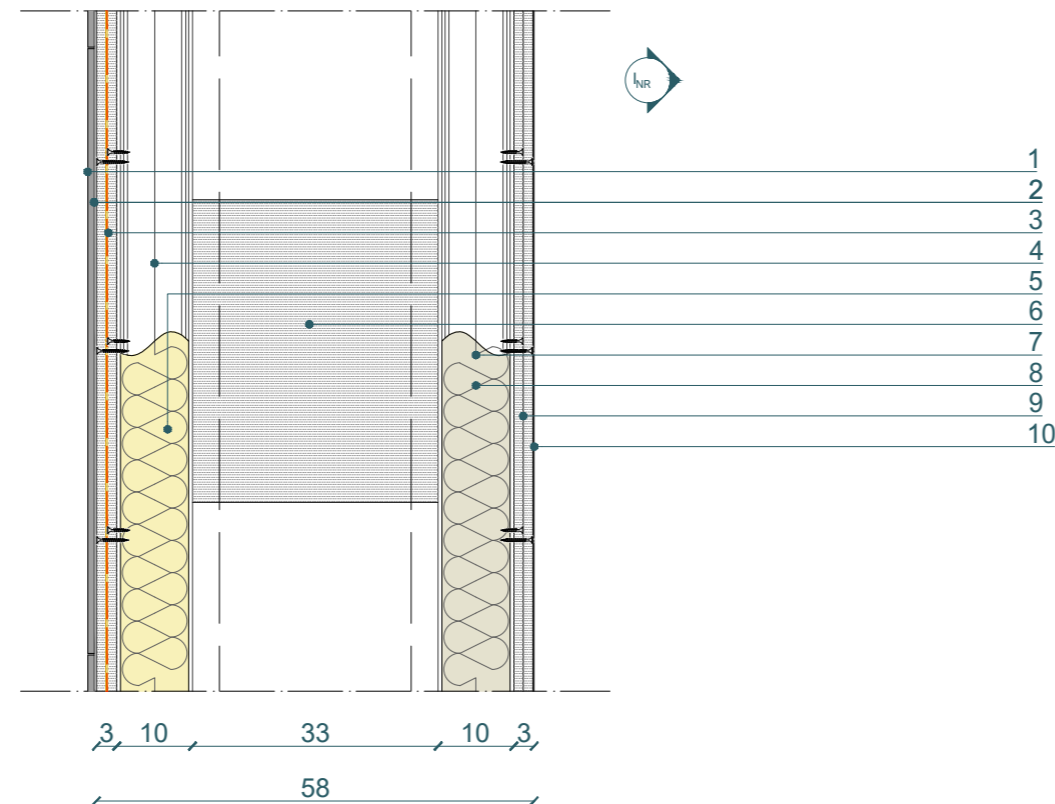
SCALA 1:10

69 ABACO DELLE STRATIGRAFIE

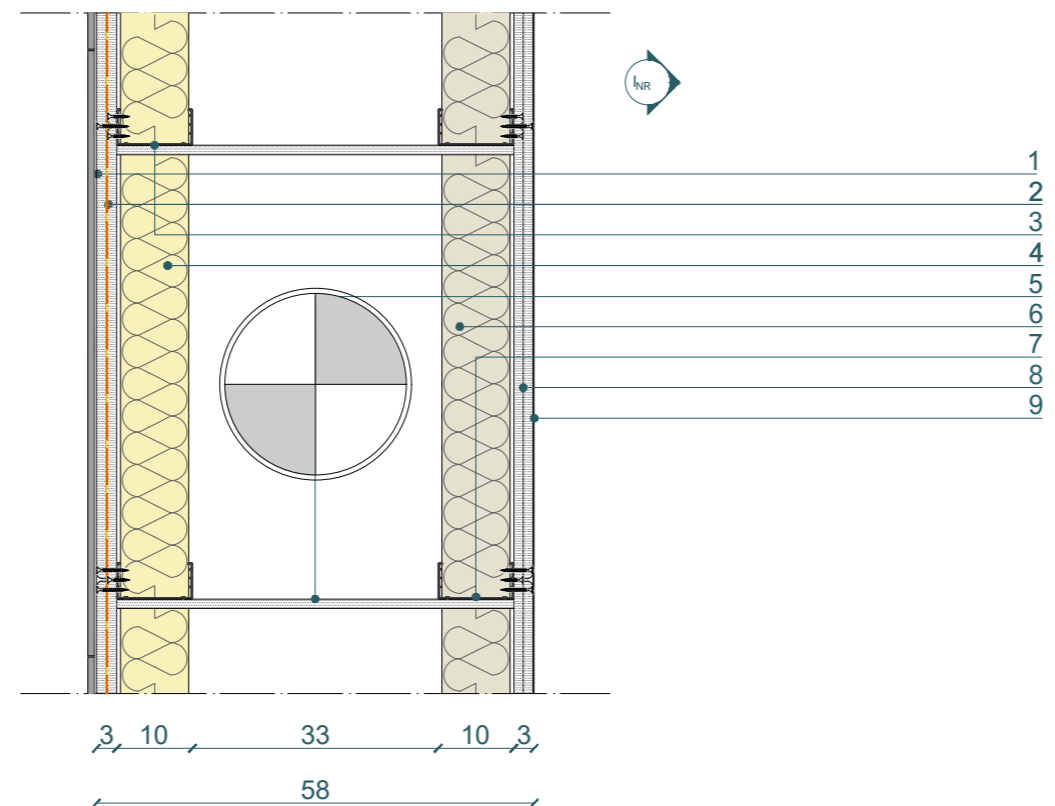


Annibale Alessandra
Chiesa Emily
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SEZIONE VERTICALE



SEZIONE ORIZZONTALE



1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram Château SABLE 80x80 - sp. 9 mm
2. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - Tipo: Kerakoll Special Eco - sp. 3 mm
3. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2
4. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
5. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³
6. Distanziatore: lastre in gessofibra - Tipo: Knauf Vidiwall XL - sp. 12,5 mm
7. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - Tipo: Iso-cell - sp. 90 mm e densità 40 kg/m³
8. Orditura metallica: profili guida a U in acciaio zincato - Tipo: Knauf UW 40x100x40 mm - sp. 0,6 mm e profili montanti a C in acciaio zincato - Tipo: Knauf CW 50x100x50 mm - sp. 0,6 mm
9. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2
10. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

0 5 10 40 cm

SCALA 1:10

70 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

PV.01+: VARIANTE (compartimentazione antincendio)1. e 2. sostituiti da:

- 1.1. Strato di finitura: intonaco rasante a base di calce e cemento - Tipo: Knauf FP120 - sp. 2 mm
- 2.1. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KF4 - sp. 15 mm

PV.01.b: VARIANTE (separazione scale)1., 2. e 3. sostituiti da:

- 1.1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm
- 2.1. Strato portante: calcestruzzo armato - sp. 400 mm

PV.04.b: VARIANTE (biglietteria, ristorante)1. e 2. sostituiti da:

- 1.1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm
- 2.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Silentboard a vista - sp. 12,5 mm x2

PV.05.a+: VARIANTE (antincendio)2. e 4. sostituiti da:

- 2.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf Fireboard e Vidiwall XL a vista - sp. 12,5 mm x2
- 4.1. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³

PV.05.b: VARIANTE (spazio eventi, merchandising)1. e 2. sostituiti da:

- 1.1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm
- 2.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2

PV.05.c: VARIANTE (centro medico)2. sostituito da:

- 2.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2

PV.05.d: VARIANTE(spogliatoi palestra)1. e 2. sostituiti da:

- 1.1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram Iridium OPALE 30x30 - sp. 6,6 mm

2.1. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - Tipo: Kerakoll Special Eco - sp. 3 mm

3.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2

PV.05.e: VARIANTE (biblioteca)1. e 2. sostituiti da:

- 1.1. Strato di finitura: pannelli in MDF - Tipo: Gustaf BF Panel - sp. 13 mm

PV.08.a+: VARIANTE (antincendio)2. e 4. oppure 7. e 9. sostituiti da:

- 2.1./7.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf Fireboard e Vidiwall XL a vista - sp. 12,5 mm x2
- 4.1./9.1. Strato di isolamento termico e acustico: lastra antincendio in lana di roccia legata - Tipo: Knauf DF40 - sp. 90 mm e densità 40 kg/m³

PV.08.b: VARIANTE (spazio eventi, merchandising)1. e 2. oppure 9. e 10. sostituiti da:

- 1.1./10.1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm
- 2.1./9.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2

PV.08.c: VARIANTE (centro medico)2. oppure 9. sostituiti da:

- 2.1./9.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e Diamant a vista - sp. 12,5 mm x2

PV.08.d: VARIANTE(spogliatoi palestra)1. e 2. oppure 9. e 10. sostituiti da:

- 1.1./10.1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram Iridium OPALE 30x30 - sp. 6,6 mm
- 2.1./9.1. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - Tipo: Kerakoll Special Eco - sp. 3 mm
- 3.1./8.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2

PV.I.b: VARIANTE (bagni) 1., 2., 4. e 6. sostituiti da:

- 1.1. Strato di finitura: piastrelle in gres porcellanato -
Tipo: Novoceram Château SABLE 80x80 - sp. 9 mm
- 2.1. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - *Tipo: Kerakoll Special Eco - sp. 3 mm*
- 4.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - *Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2*
- 6.1. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - *Tipo: Isocell - sp. 90 mm e densità 40 kg/m³*

PV.I.c: VARIANTE (cucina) 1., 2., 4. e 6. sostituiti da:

- 1.1. Strato di finitura: piastrelle in gres porcellanato -
Tipo: Novoceram Eclipse 40x80 - sp. 8,5 mm
- 2.1. Strato di incollaggio: adesivo minerale per la posa a elevata adesione e alta resistenza di piastrelle ceramiche - *Tipo: Kerakoll Special Eco - sp. 3 mm*
- 4.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - *Tipo: Knauf GKB e H(GKI) a vista - sp. 12,5 mm x2*
- 6.1. Strato di isolamento termico e acustico: isolamento in fibra di cellulosa - *Tipo: Isocell - sp. 90 mm e densità 40 kg/m³*

PV.I.d: VARIANTE (locali tecnici) 1., 2., 8. e 9. sostituiti da:

- 1.1. Strato di finitura: rasatura in stucco - *Tipo: Knauf F2F-Filler to Finish - sp. 2 mm*
- 2.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - *Tipo: Knauf Vidiwall e Fireboard a vista - sp. 12,5 mm x2*
- 8.1. Strato di finitura: lastre in gesso rivestito con barriera a vapore interposta - *Tipo: Knauf Vidiwall e Fireboard a vista - sp. 12,5 mm x2*
- 9.1. Strato di finitura: rasatura in stucco - *Tipo: Knauf F2F-Filler to Finish - sp. 2 mm*

PV. II.b: VARIANTE (sky box) 1. sostituito da:

- 1.1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - *Tipo: Mapei Ultratop Loft F - sp. 2 mm*

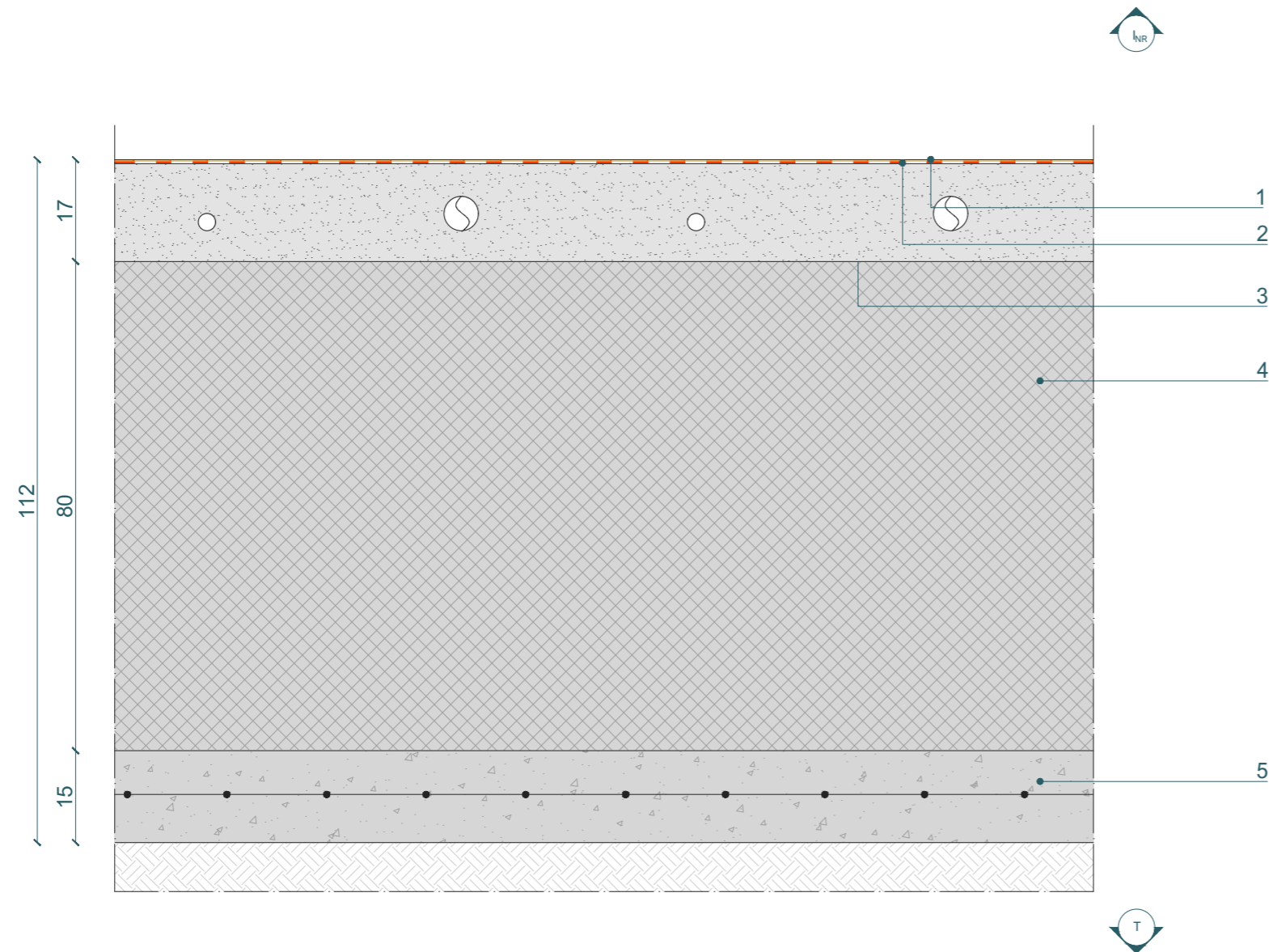
PV.II.c: VARIANTE (biblioteca) 1. e 2. sostituiti da:

- 1.1. Strato di finitura: pannelli in MDF - *Tipo: Gustaf BF Panel - sp. 13 mm*

PV.VI.b: VARIANTE (cucina) 1. sostituito da:

- 1.1. Strato di finitura: piastrelle in gres porcellanato -
Tipo: Novoceram Eclipse 40x80 - sp. 8,5 mm

SEZIONE VERTICALE



C.O. 01.a

CHIUSURA ORIZZONTALE
Solaio controterra (parcheggi)

1. Strato di finitura: sistema epossidico multistrato continuo - *Tipo: Mapei - Mapefloor Parking System RLT - sp: 2,4mm*
2. Strato protettivo: membrana geotessile in tessuto non tessuto - *Tipo: Polydren PP HT 300 - sp: 2,8mm*
3. Strato di integrazione impiantistica: massetto in sabbia e cemento - *Tipo: Bacchi Spa - sp: 160mm*
4. Strato portante: platea di fondazione - *sp. 800 mm*
5. Strato di fondazione in calcestruzzo magro - *sp.150 mm*
6. Rete elettrosaldata - *Tipo: Feralpi B450C - sp. 2,5 mm*

0 5 10 40 cm

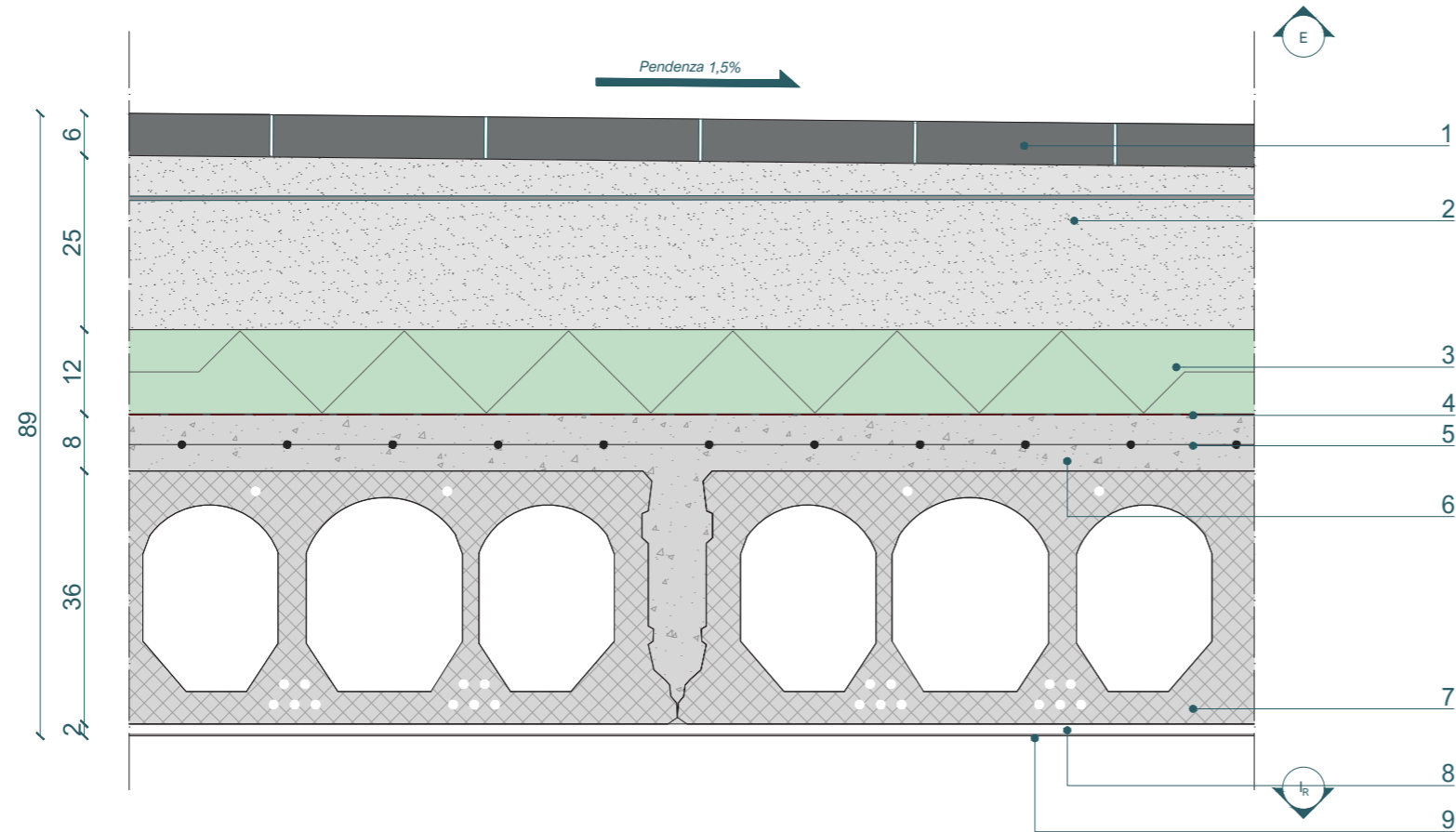
SCALA 1:10

73 ABACO DELLE
STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



C.O. 02

CHIUSURA ORIZZONTALE
Chiusura esterna con alveolari (ingresso est)

1. Strato di rivestimento: masselli autobloccanti in calcestruzzo - Tipo: Paverlife Anversa 20x30 - sp. 60 mm
2. Strato di irrigidimento: massetto a base di sabbia e cemento con interposto telo impermeabilizzante - Tipo: Leca - sp. 50 mm
3. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) - Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
4. Strato di freno al vapore - Tipo: Micro 230/20 Riwega - sp. 1,06 mm
5. Rete elettrosaldata in acciaio - Tipo: Feralpi B450C, maglia: 10x10 cm - sp: 25 mm
6. Strato di irrigidimento: getto collaborante in calcestruzzo - sp: 80 mm
7. Strato portante in lastre alveolari in c.a.p - Tipo: SPIROLL, Co.Pre.S, SX - sp: 360 mm
8. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KS9 - sp. 10 mm
9. Strato di finitura: intonaco rasante a base di calce e cemento bianco - Tipo: Fassa Bortolo IG21 - sp. 2 mm

0 5 10 40 cm

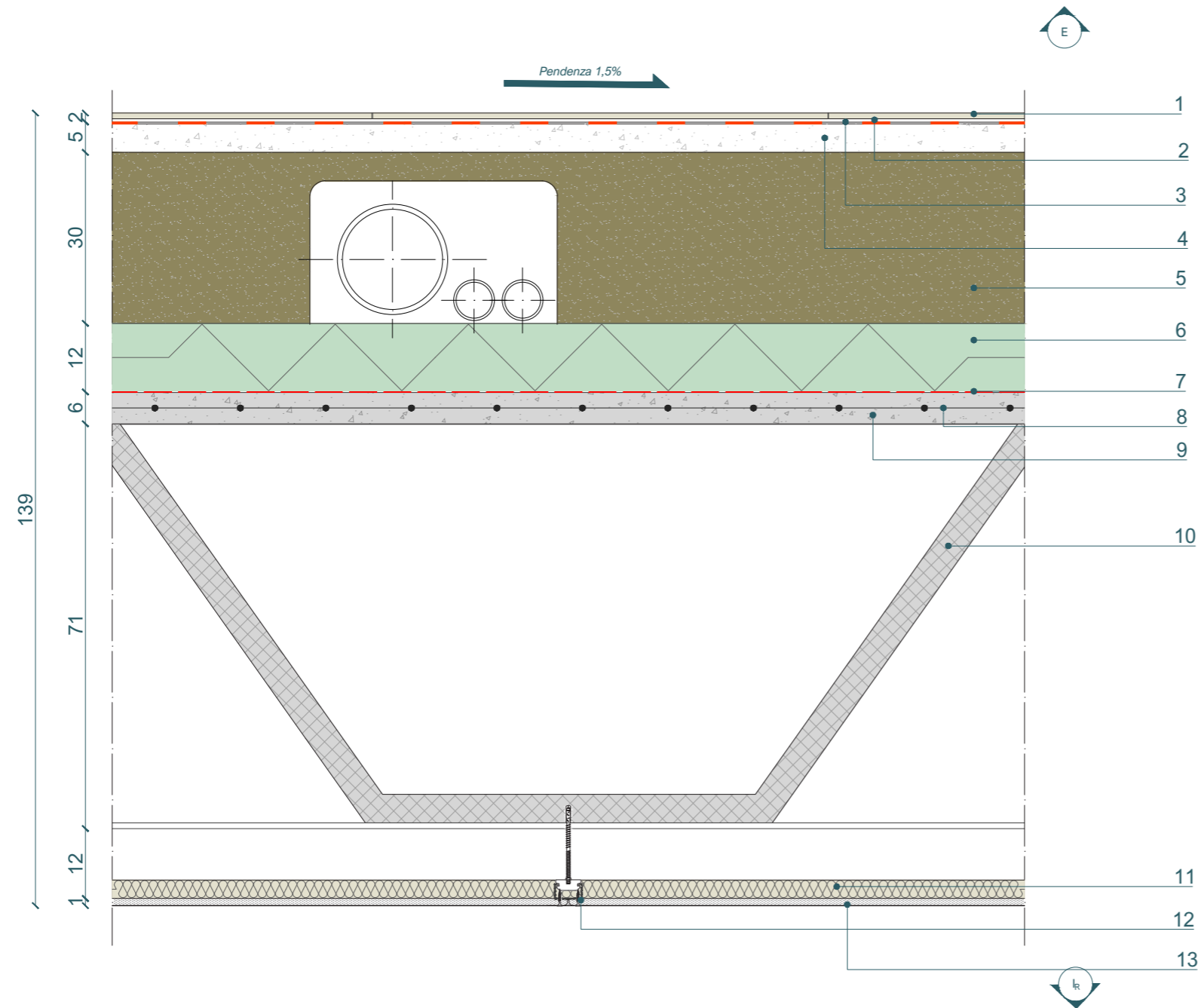
SCALA 1:10

74 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



C.O. 03.a
 CHIUSURA ORIZZONTALE
 Copertura praticabile (terrazza)

1. Strato di finitura: piastrelle in ceramica -
 Tipo: Novoceram Teranga 80x80 - sp. 10 mm
2. Strato di incollaggio: adesivo cementizio -
 Tipo: Mapei - Keraflex - sp. 6 mm
3. Strato di tenuta all'acqua: Guaina impermeabilizzante per sistemi a secco - Tipo: DiProtec® KSK - sp. 3 mm
4. Massetto in calcestruzzo alleggerito -
 Tipo: Leca - Lecamix Facile - sp. 50 mm
5. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
6. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) -
 Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
7. Strato di freno al vapore - Tipo: Micro 230/20 Riwegra - sp. 1,06 mm
8. Rete elettrosaldata in acciaio - Tipo: Feralpi B450C, maglia: 10x10 cm - sp. 25 mm
9. Strato di irrigidimento: getto collaborante in calcestruzzo - sp. 55 mm
10. Strato portante: solaio in c.a.p. - Tipo: Baracalit Ipersol - h. 700 mm
11. Strato di isolamento termico e acustico: pannello isolante in fibra di cellulosa -
 Tipo: Isocell - sp. 50 mm e densità 40 kg/m³
12. Orditura metallica: profili montanti a C in acciaio zincato - Tipo: Knauf C Plus 15x50x15 mm - sp. 0,6 mm
13. Strato di finitura: lastre in fibra di gesso -
 Tipo: Gustaf BF Panel - sp. 13 mm

0 5 10 40 cm

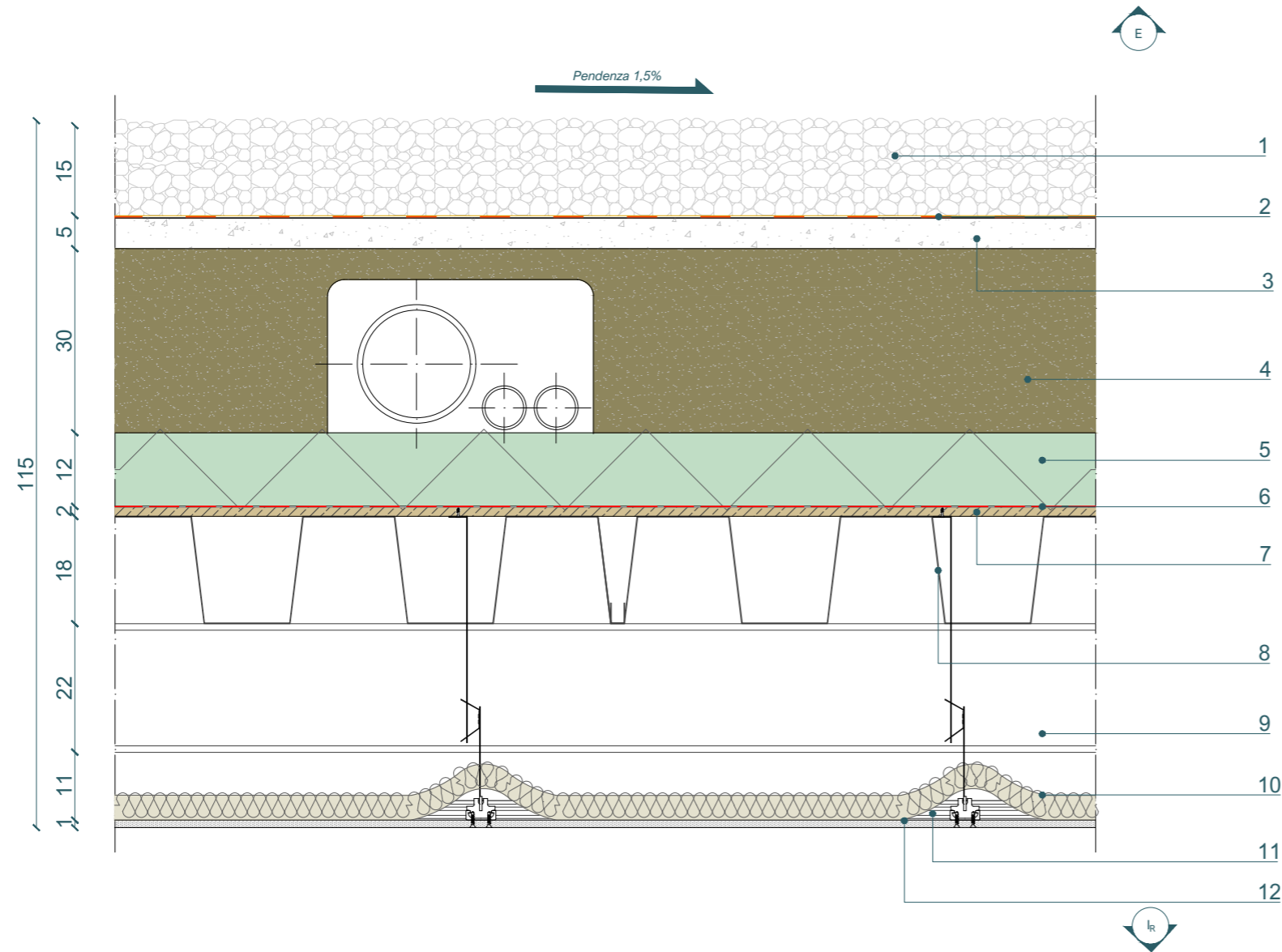
SCALA 1:10

75 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



C.O. 04.a
 CHIUSURA ORIZZONTALE
 Copertura non praticabile (edifici terziari)

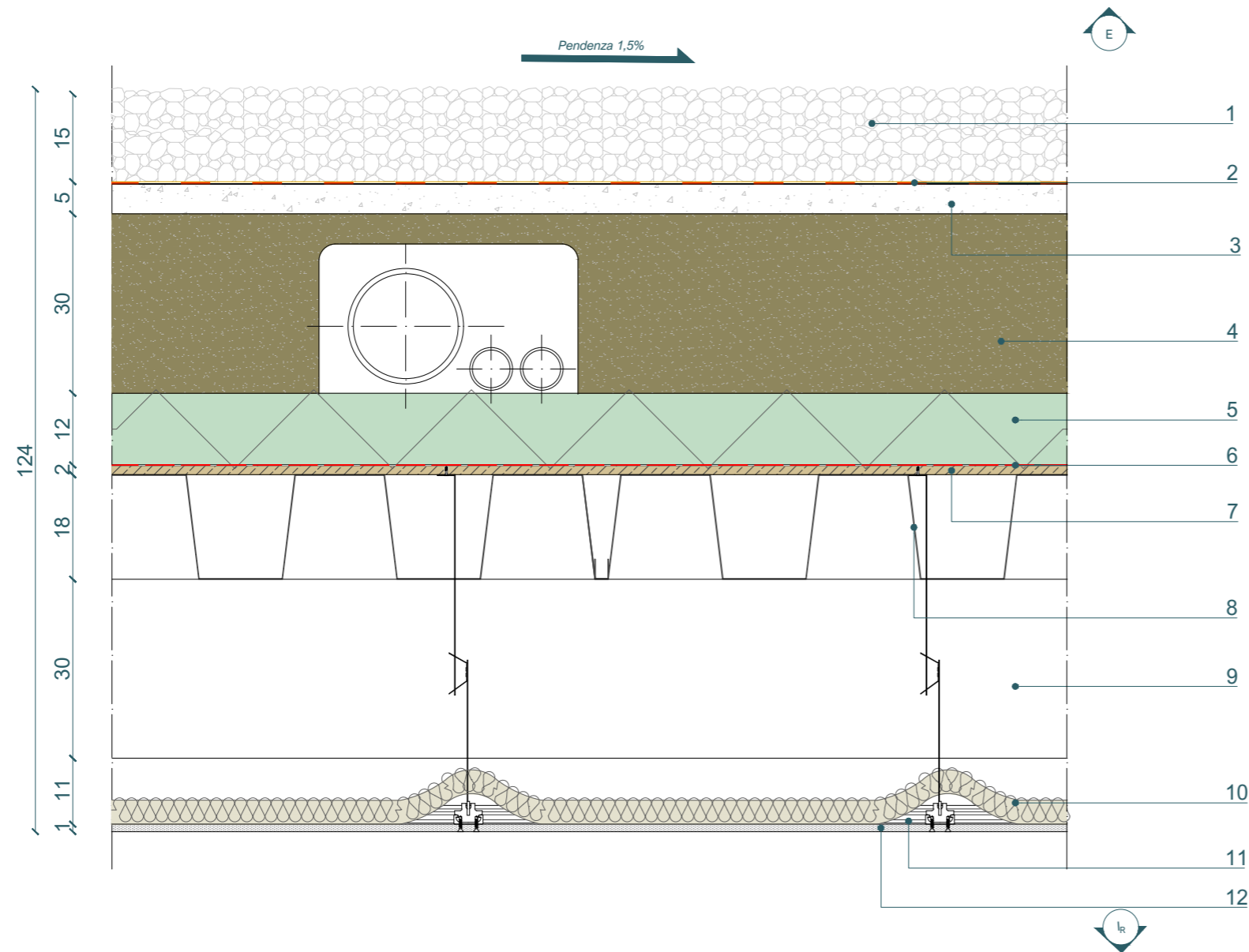
1. Strato drenante: zavorramento con ghiaia - sp. 150 mm
2. Strato di tenuta all'acqua: Guaina impermeabilizzante per sistemi a secco - Tipo: DiProtec® KSK - sp. 3 mm
3. Massetto in calcestruzzo alleggerito - Tipo: Leca - Lecamix Facile - sp. 50 mm
4. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
5. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) - Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
6. Strato di freno al vapore - Tipo: Micro 230/20 Riwega - sp. 1,06 mm
7. Strato di irrigidimento: pannello in OSB - Tipo: Galloppini Legnami - sp. 15,5 mm
8. Lamiera grecata in acciaio - Tipo: Sand 160 Positive - h 175 mm
9. Strato portante: trave in acciaio HEA 240
10. Strato di isolamento termico e acustico: pannello isolante in fibra di cellulosa - Tipo: Isocell - sp. 50 mm e densità 40 kg/m³
11. Orditura metallica: profili montanti a C in acciaio zincato - Tipo: Knauf C Plus 15x50x15 mm - sp. 0,6 mm
12. Strato di finitura: lastre in fibra di gesso - Tipo: Gustaf BF Panel - sp. 13 mm



SCALA 1:10

76 ABACO DELLE STRATIGRAFIE

SEZIONE VERTICALE



C.O. 05
CHIUSURA ORIZZONTALE
 Copertura non praticabile arena

1. Strato drenante: zavorramento con ghiaia - sp. 150 mm
2. Strato di tenuta all'acqua: Guaina impermeabilizzante per sistemi a secco - Tipo: DiProtec® KSK - sp. 3 mm
3. Massetto in calcestruzzo alleggerito - Tipo: Leca - Lecamix Facile - sp. 50 mm
4. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
5. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) - Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
6. Strato di freno al vapore - Tipo: Micro 230/20 Riwega - sp. 1,06 mm
7. Strato di irrigidimento: pannello in OSB - Tipo: Galloppini Legnami - sp. 15,5 mm
8. Lamiera grecata in acciaio - Tipo: Sand 160 Positive - h 175 mm
9. Strato portante: trave in calcestruzzo - dim. 300x300 mm
10. Strato di isolamento termico e acustico: pannello isolante in fibra di cellulosa - Tipo: Isocell - sp. 50 mm e densità 40 kg/m³
11. Orditura metallica: profili montanti a C in acciaio zincato - Tipo: Knauf C Plus 15x50x15 mm - sp. 0,6 mm
12. Strato di finitura: lastre in fibra di gesso - Tipo: Gustaf BF Panel - sp. 13 mm



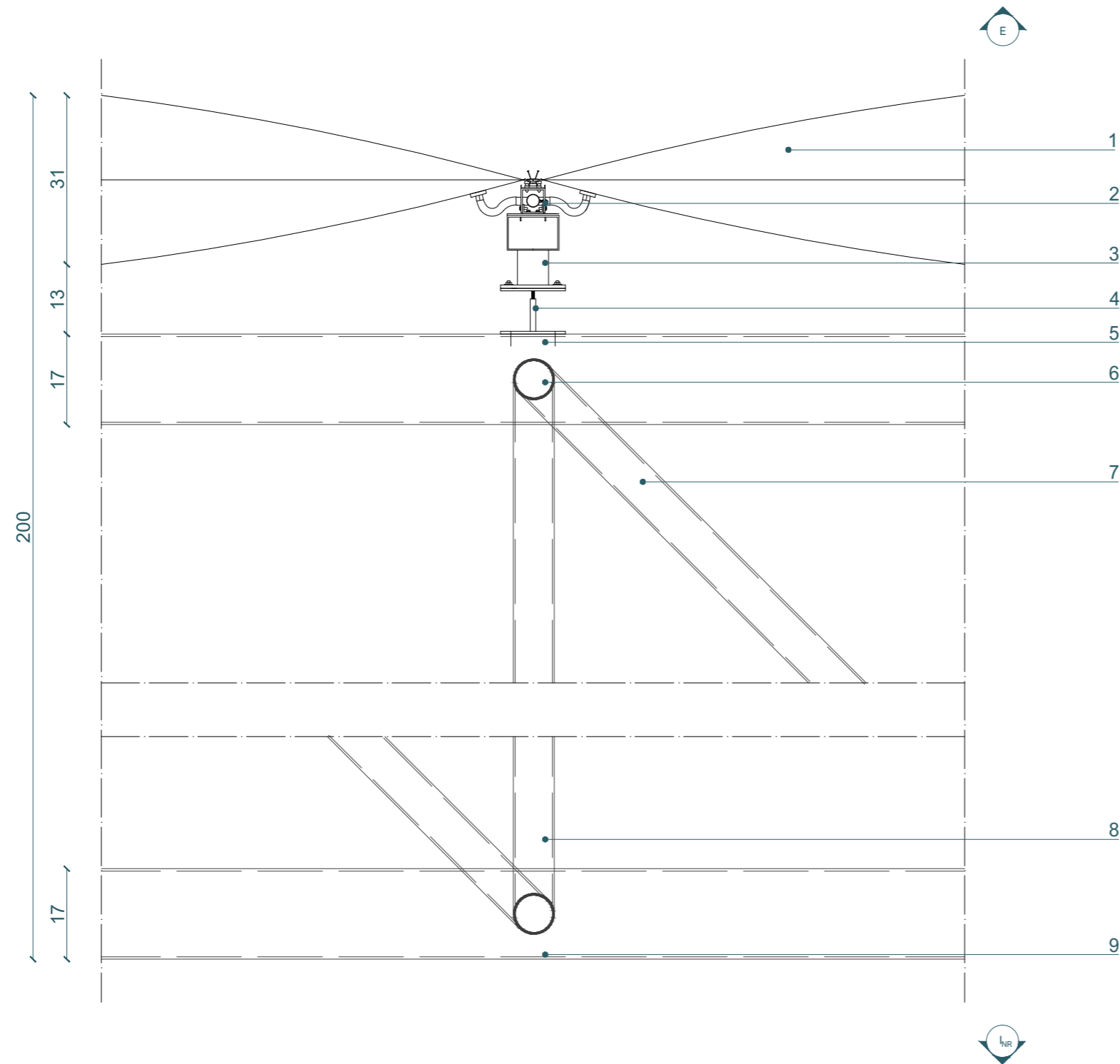
SCALA 1:10

77 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



C.O. 06.a
 CHIUSURA ORIZZONTALE
 Copertura reticolare arena

1. Strato di rivestimento: cuscini in ETFE -
 Tipo: Tensaform
2. Sottostruttura metallica per sostegno
 cuscini in ETFE fissati ai profili in allumi-
 nio - Tipo: Tensaform - sp. 650 mm
3. Sottostruttura metallica in acciaio zinca-
 to per facciata tessile con piastra di fis-
 saggio - sp. 17 cm
4. Piedini in acciaio zincato regolabili a vite
 - Tipo: ALUBEL - h. minima 70 mm
5. Corrente superiore: profilo CHS in ac-
 ciao laminato a caldo - dim. 168,3 x 4,5
 mm
6. Montante: profilo CHS in acciaio lamina-
 to a caldo - dim. 76,1 x 3,6 mm
7. Montante: profilo CHS in acciaio lamina-
 to a caldo - dim. 76,1 x 3,6 mm
8. Montante: profilo CHS in acciaio lamina-
 to a caldo - dim. 76,1 x 3,6 mm
9. Corrente inferiore: profilo CHS in acciaio
 laminato a caldo - dim. 168,3 x 4,5 mm

0 5 10 40 cm

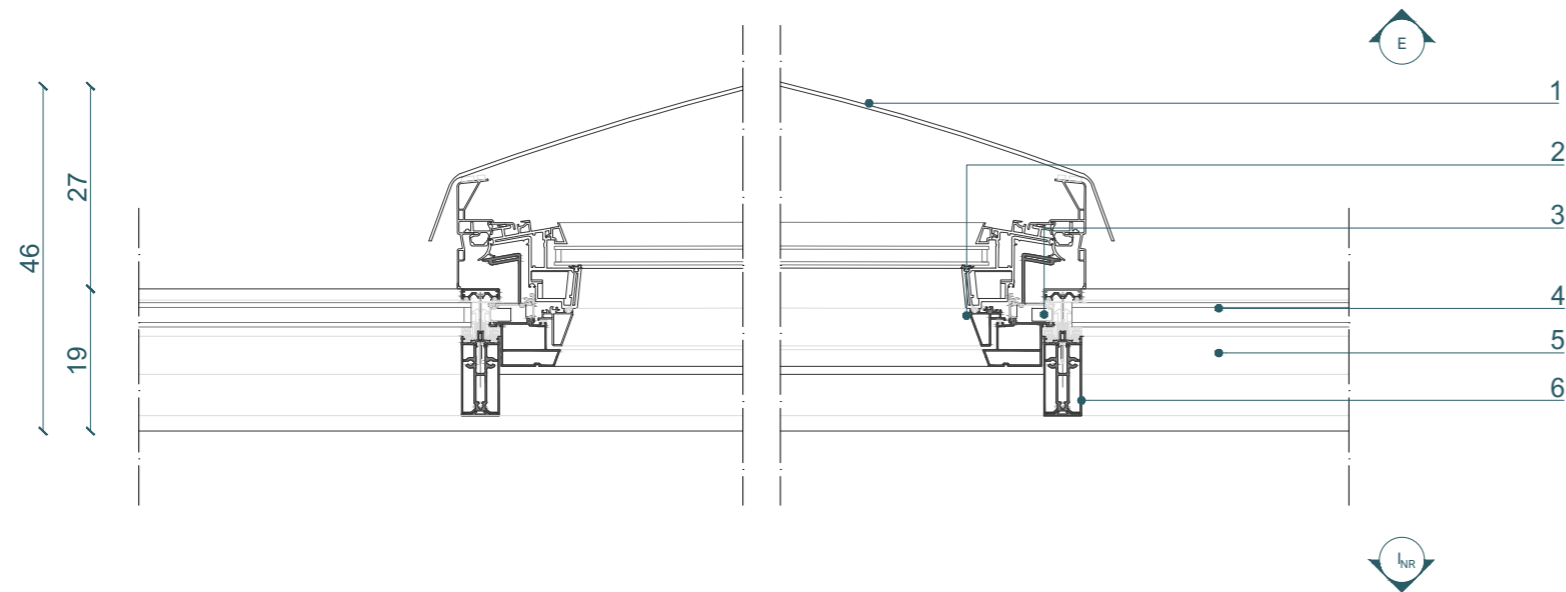
SCALA 1:10

78 ABACO DELLE
 STRATIGRAFIE



Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



C.O. 07

CHIUSURA ORIZZONTALE
Copertura vetrata (canyon)

1. Cupolino in policarbonato
2. Finestra EFC per tetti piani per l'evacuazione di fumo e calore - *Tipo: Velux CSP - dim. 900 x 900 mm*
3. Taglio termico in EPS
4. Doppio vetro con vetro camera con doppia lastra esterna di sicurezza e lastra interna trattata basso emissivo - *sp. 6 + 18 + 6 mm*
5. Traverso in alluminio - *Tipo: Schüco FWS 50 WI*
6. Montante in alluminio - *Tipo: Schüco FWS 50 WI*

0 5 10 40 cm

SCALA 1:10

79 ABACO DELLE
STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

C.O.01.b: VARIANTE (magazzini, locali tecnici e scale)1. sostituito da:

1.1. Strato di finitura: sistema epossidico multistrato continuo - *Tipo: Mapei - Mapei - Mapefloor System 32*

C.O.04.b VARIANTE (copertura blocco est) 9. sostituito da:

9.1. Strato portante: trave in acciaio HEA 200

C.O.04.c VARIANTE (copertura blocco nord) 9. sostituito da:

9.1. Strato portante: trave in acciaio HEA 160

C.O.06.b VARIANTE (reticolari curve arena) 5., 6., 7., 8. e 9. sostituiti da:

5.1. Corrente superiore: profilo CHS in acciaio laminato a caldo - *dim: 219,1 x 5,6 mm*

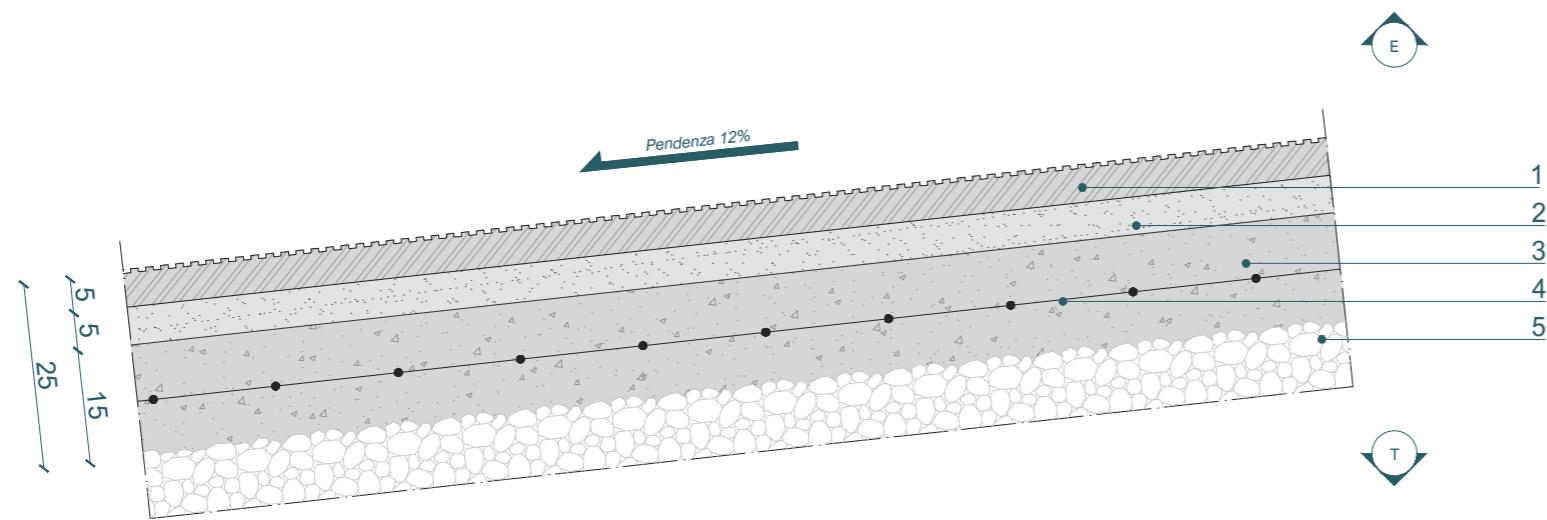
6.1. Montante: profilo CHS in acciaio laminato a caldo - *dim: 114,3 x 5 mm*

7.1. Montante: profilo CHS in acciaio laminato a caldo - *dim: 114,3 x 5 mm*

8.1. Montante: profilo CHS in acciaio laminato a caldo - *dim: 114,3 x 5 mm*

9.1. Corrente inferiore: profilo CHS in acciaio laminato a caldo - *dim: 219,1 x 5,6 mm*

SEZIONE VERTICALE



P.O. 01

CHIUSURA ORIZZONTALE

Solaio controterra in calcestruzzo (rampa carrabile)

1. Strato di rivestimento: antiscivolo a spina di pesce in calcestruzzo - *sp. 50 mm*
2. Strato di irrigidimento a base di sabbia e cemento - *Tipo: Leca - sp. 50 mm*
3. Strato di fondazione in calcestruzzo magro - *sp. 150 mm*
4. Rete elettrosaldata - *Tipo: Feralpi B450C - sp. 2,5 mm*
5. Strato drenante in ghiaia

0 5 10 40 cm

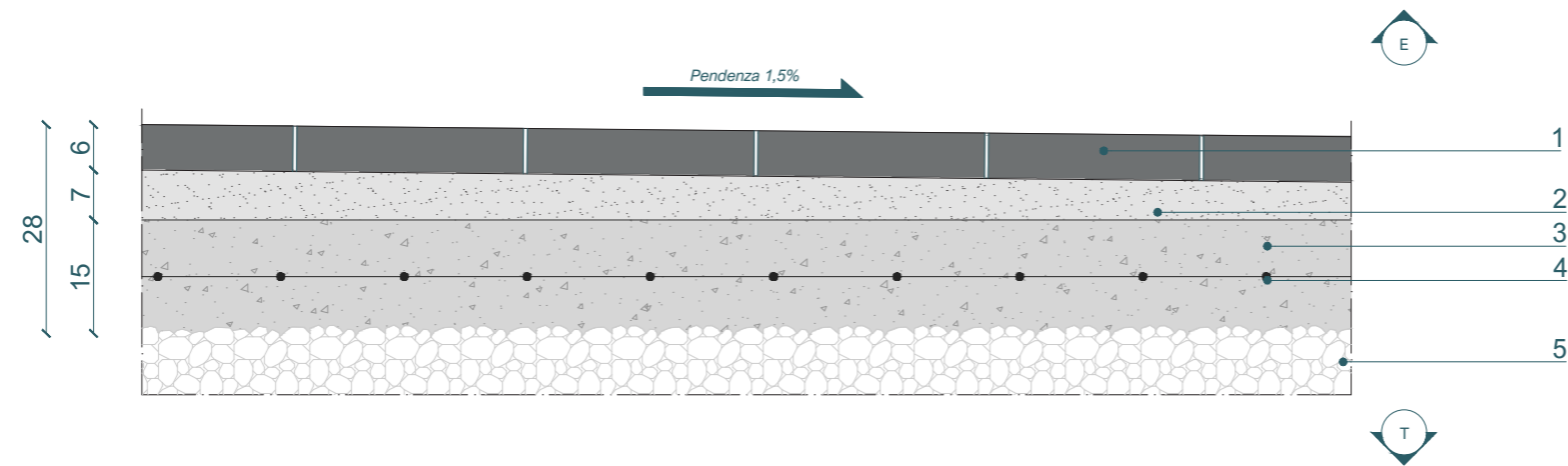
SCALA 1:10

81 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. I
CHIUSURA ORIZZONTALE
Solaio controterra in autobloccanti (piazza arena)

1. Strato di rivestimento: masselli autobloccanti in calcestruzzo - Tipo: Paverlife Anversa 20x30 - sp. 60 mm
2. Strato di irrigidimento a base di sabbia e cemento - Tipo: Leca - sp. 50 mm
3. Strato di fondazione in calcestruzzo magro - sp. 150 mm
4. Rete elettrosaldata - Tipo: Feralpi B450C - sp. 2,5 mm
5. Strato drenante in ghiaia



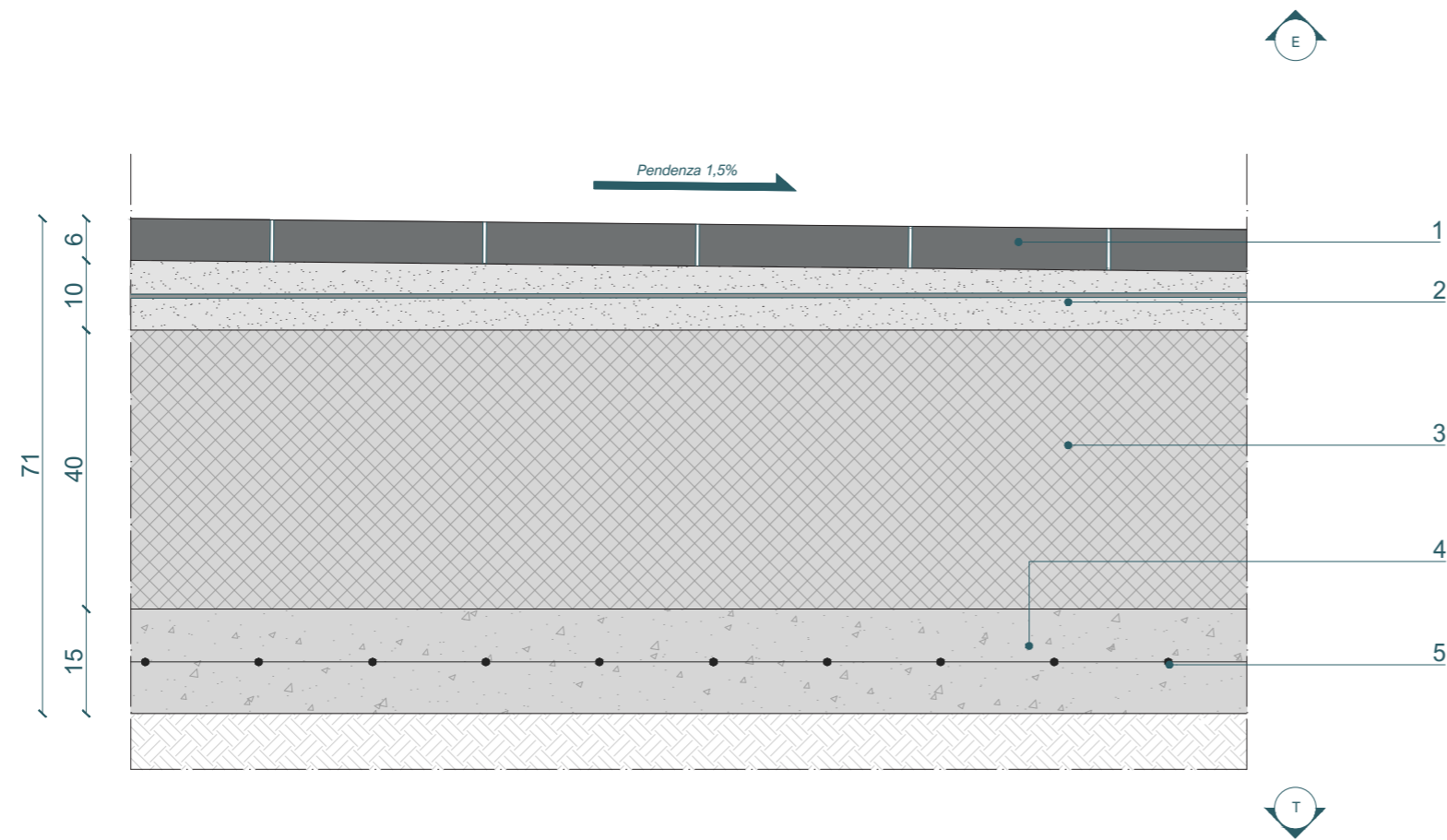
SCALA 1:10

82 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 02

CHIUSURA ORIZZONTALE
Solaio controterra (piazza -1)

1. Strato di rivestimento: masselli autobloccanti in calcestruzzo - Tipo: Paverlife Anversa 20x30 - sp. 60 mm
2. Strato di irrigidimento: massetto a base di sabbia e cemento con interposto telo impermeabilizzante - Tipo: Leca - sp. 50 mm
3. Strato portante: platea di fondazione - sp. 800 mm
4. Strato di fondazione in calcestruzzo magro - sp. 150 mm
5. Rete elettrosaldata - Tipo: Feralpi B450C - sp. 2,5 mm

0 5 10 40 cm

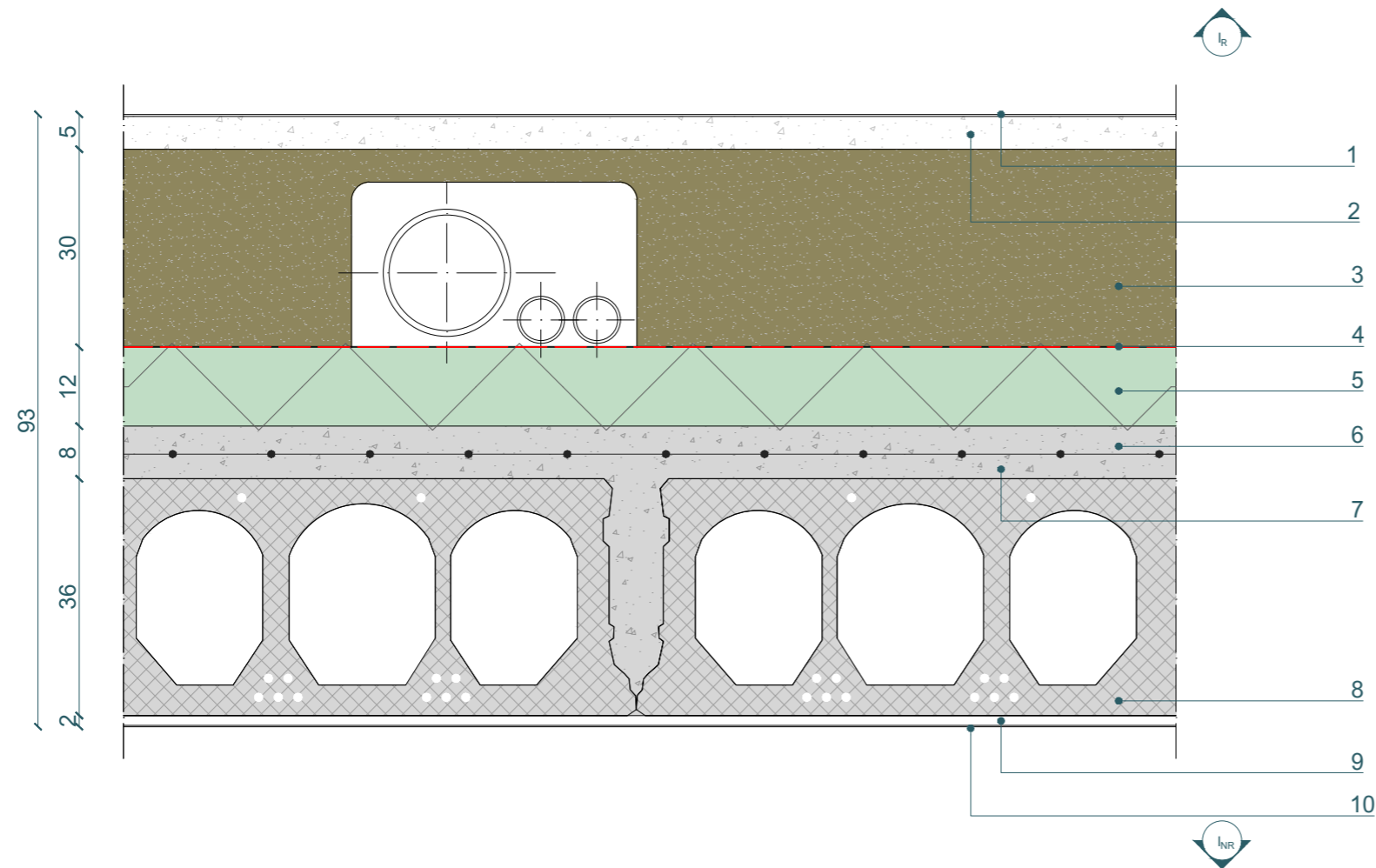
SCALA 1:10

83 ABACO DELLE
STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 03.a

PARTIZIONE ORIZZONTALE

Solaio interpiano non riscaldato in alveolari (magazzini - locali tecnici - scale)

1. Strato di finitura: sistema epossidico multistrato - Tipo: Mapei - Mapefloor System 32 - sp. 3 mm
2. Massetto in calcestruzzo alleggerito - Tipo: Leca - Lecamix Facile - sp. 50 mm
3. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
4. Strato di freno al vapore - Tipo: Micro 230/20 Riwega - sp. 1,06 mm
5. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) - Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
6. Rete elettrosaldata in acciaio - Tipo: Feralpi B450C, maglia: 10x10 cm - sp. 25 mm
7. Strato di irrigidimento: getto collaborante in calcestruzzo - sp. 80 mm
8. Strato portante in lastre alveolari in c.a.p - Tipo: SPIROLL, Co.Pre.S, SX - sp. 360 mm
9. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KS9 - sp. 10 mm
10. Strato di finitura: intonaco rasante a base di calce e cemento bianco - Tipo: Fassa Bortolo IG21 - sp. 2 mm



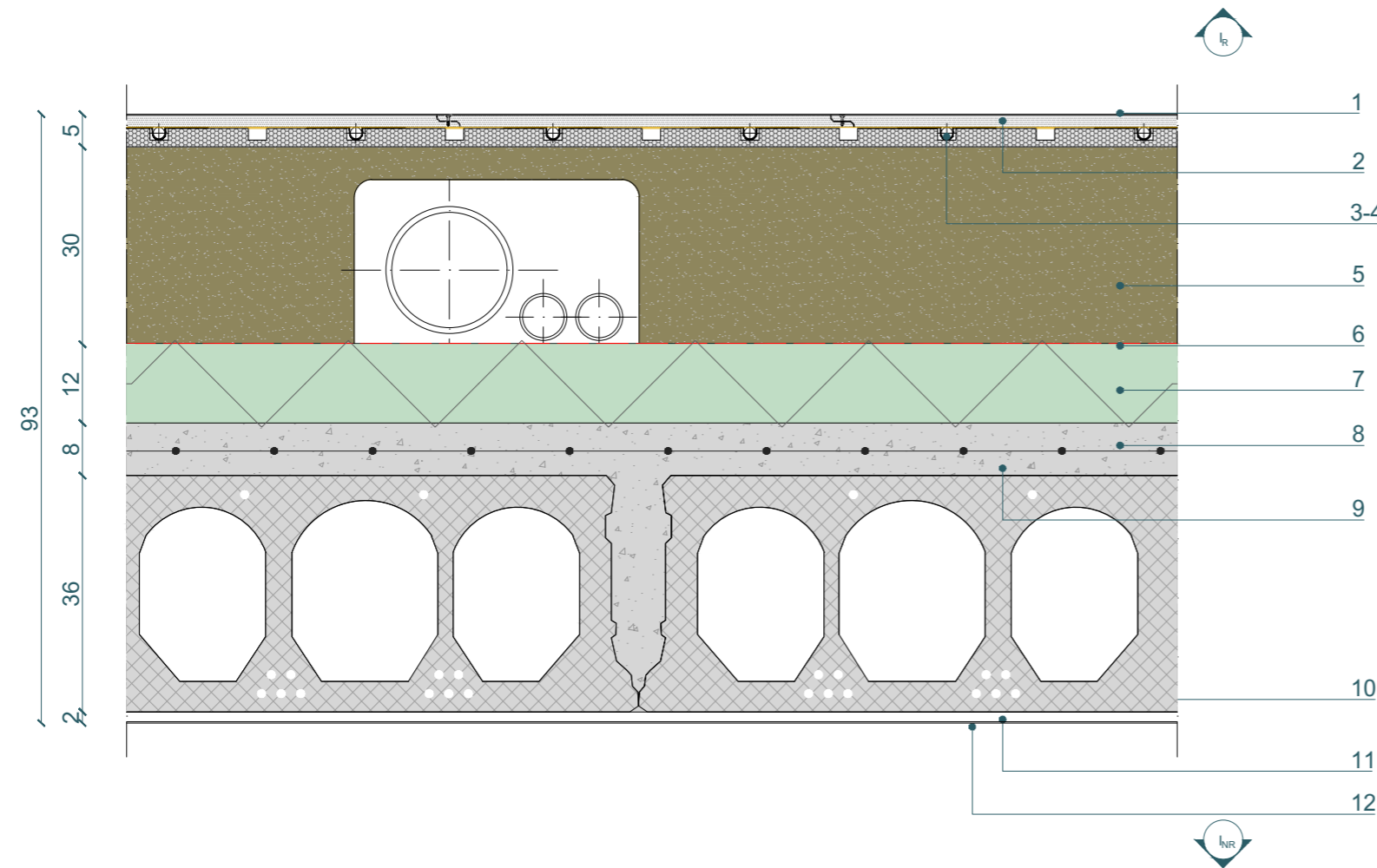
SCALA 1:10

84 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 04.a

PARTIZIONE ORIZZONTALE
Solaio interpiano riscaldato in alveolari
(centro medico)

1. Strato di finitura: sistema autolivellante a base di resina poliuretanica aromatica - Tipo: Mapei - Comfort System AR - sp. 2,1 mm
2. Strato di regolazione in gessofibra - Tipo: KNAUF Brio18 - sp. 18 mm - dim. 1200x600 mm
3. Piastra termoconduttrice in rame - sp. 0,3 mm
4. Strato di riscaldamento a pavimento radiante - Tipo: RADIAL ALU G Pannello - sp. 30 mm
5. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
6. Strato di freno al vapore - Tipo: Micro 230/20 Riwega - sp. 1,06 mm
7. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) - Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
8. Rete elettrosaldata in acciaio - Tipo: Feralpi B450C, maglia: 10x10 cm - sp. 25 mm
9. Strato di irrigidimento: getto collaborante in calcestruzzo - sp. 80 mm
10. Strato portante in lastre alveolari in c.a.p - Tipo: SPIROLL, Co.Pre.S, SX - sp. 360 mm
11. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KS9 - sp. 10 mm
12. Strato di finitura: intonaco rasante a base di calce e cemento bianco - Tipo: Fassa Bortolo IG21 - sp. 2 mm

0 5 10 40 cm

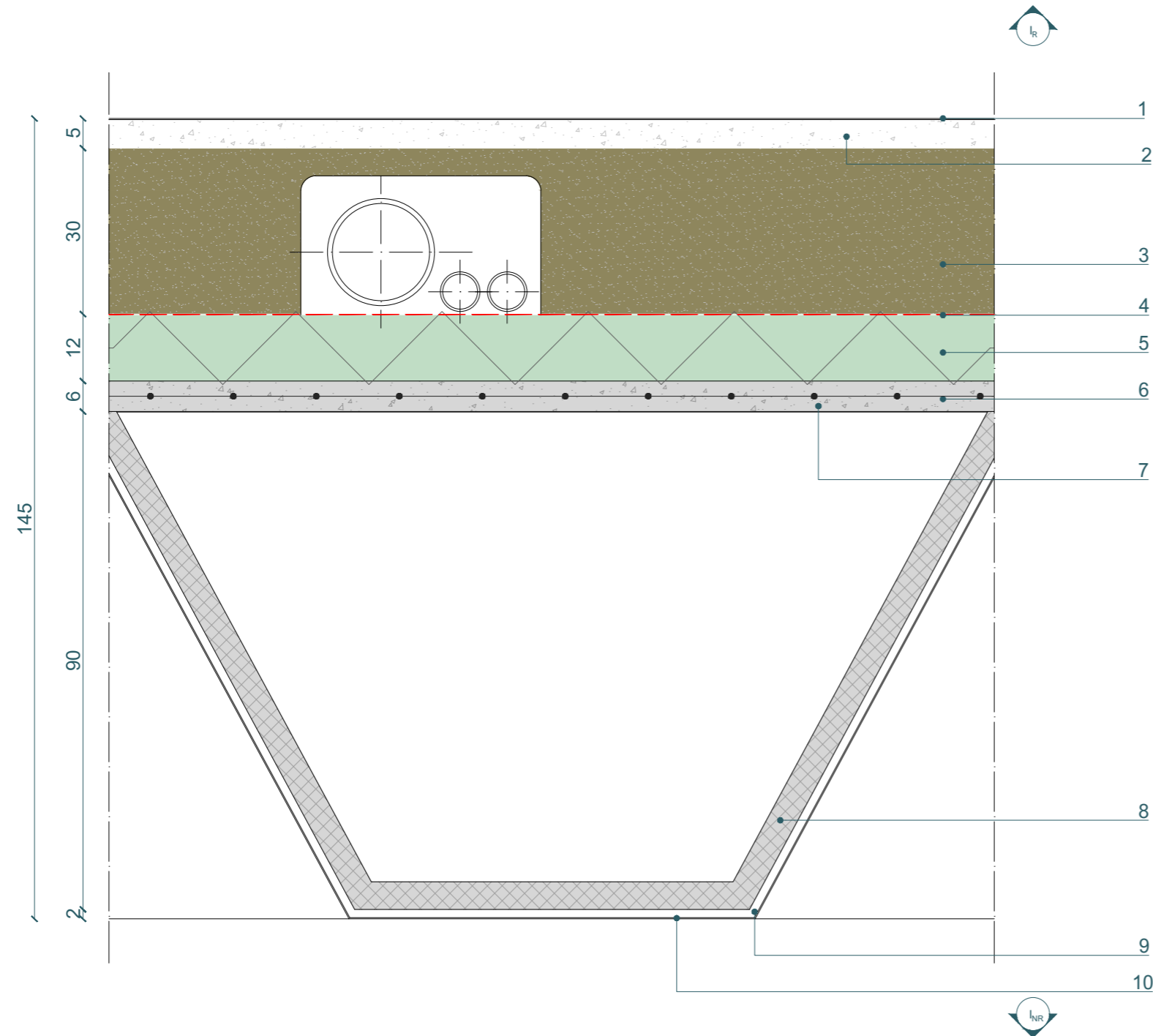
SCALA 1:10

85 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 05.a
PARTIZIONE ORIZZONTALE
Solaio inter piano in CAP (merchandising)

1. Strato di finitura: sistema epossidico multistrato - Tipo: Mapei - Mapefloor System 32 - sp. 3 mm
2. Massetto in calcestruzzo alleggerito - Tipo: Leca - Lecamix Facile - sp. 50 mm
3. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
4. Strato di freno al vapore - Tipo: Micro 230/20 Riwega - sp. 1,06 mm
5. Strato di isolamento termico: pannelli di polistirene espanso estruso (XPS) - Tipo: Isover XPS BT - sp. 120 mm e densità 33 kg/m³
6. Rete elettrosaldata in acciaio - Tipo: Feralpi B450C, maglia: 10x10 cm - sp: 25 mm
7. Strato di irrigidimento: getto collaborante in calcestruzzo - sp: 55 mm
8. Strato portante: solaio in c.a.p. - Tipo: Baracalit Ipersol - h. 900 mm
9. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KS9 - sp. 10 mm
10. Strato di finitura: intonaco rasante a base di calce e cemento bianco - Tipo: Fassa Bortolo IG21 - sp. 2 mm



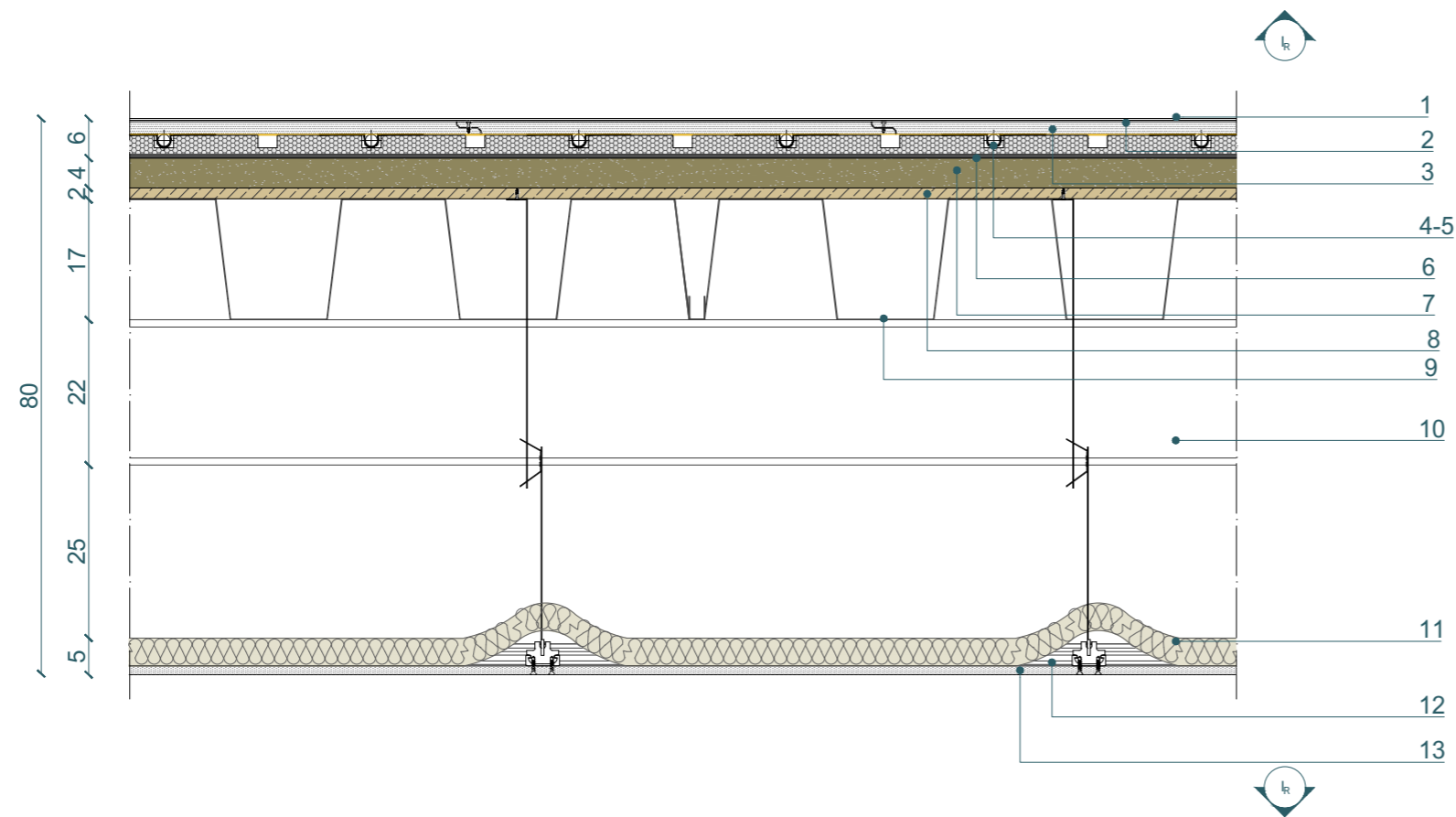
SCALA 1:10

86 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 06.a

PARTIZIONE ORIZZONTALE

Solaio a secco (interpiano)

1. Strato di finitura: doghe in LVT - Tipo: Gerflor Creation 55 ARENA - sp. 2,5 mm
2. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm
3. Strato di regolazione in gessofibra - Tipo: KNAUF Brio18 - sp. 18 mm - dim. 1200x600 mm
4. Piastra termoconduttrice in rame - sp. 0,3 mm
5. Strato di riscaldamento a pavimento radiante - Tipo: RADIAL ALU G Pannello - sp. 30 mm
6. Strato di isolamento: polistirene espanso additivato con grafite - Tipo: BASF Neopor® - sp. 28 mm
7. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 40 mm
8. Strato di irrigidimento: pannello in OSB - Tipo: Galloppini Legnami - sp. 15,5 mm
9. Lamiera grecata in acciaio - Tipo: Sand 160 Positive - h 175 mm
10. Strato portante: trave in acciaio HEA 220
11. Strato di isolamento termico e acustico: pannello isolante in fibra di cellulosa - Tipo: Isocell - sp. 50 mm e densità 40 kg/m³
12. Orditura metallica: profili montanti a C in acciaio zincato - Tipo: Knauf C Plus 15x50x15 mm - sp. 0,6 mm
13. Strato di finitura: lastre in fibra di gesso - Tipo: Gustaf BF Panel - sp. 13 mm

0 5 10 40 cm

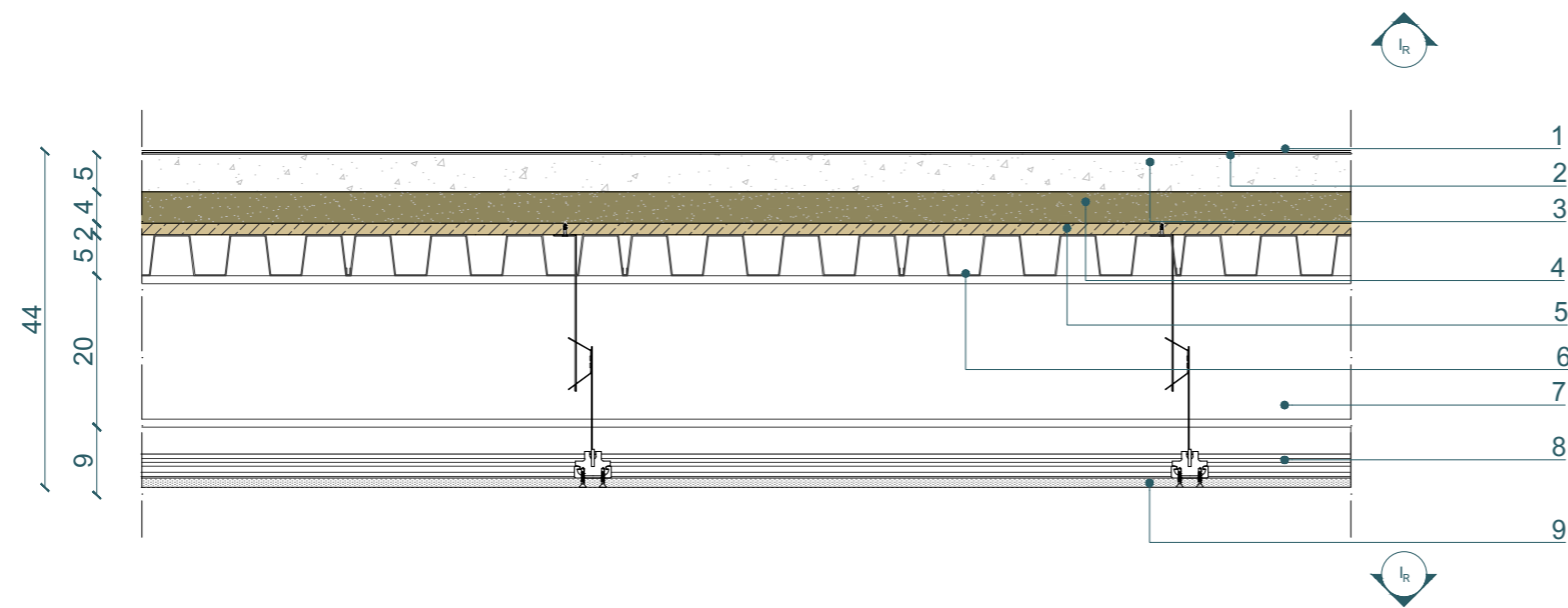
SCALA 1:10

87 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 07

PARTIZIONE ORIZZONTALE
Solaio a secco (soppalchi uffici)

1. Strato di finitura: doghe in LVT - *Tipo: Gerflor Creation 55 ARENA - sp. 2,5 mm*
2. Strato di incollaggio: adesivo fibrorinforzato per LVT - *Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm*
3. Massetto in calcestruzzo alleggerito - *Tipo: Leca - Lecamix Facile - sp. 50 mm*
4. Massetto di integrazione impiantistica in cellulosa - *Tipo: Beton wood - Fibertherm flocc - sp. 40 mm*
5. Strato di irrigidimento: pannello in OSB - *Tipo: Galloppini Legnami - sp. 15,5 mm*
6. Lamiera grecata in acciaio - *Tipo: Sand A55 P750 - h 55 mm*
7. Strato portante: trave in acciaio HEA 200
8. Orditura metallica: profili montanti a C in acciaio zincato - *Tipo: Knauf C Plus 15x50x15 mm - sp. 0,6 mm*
9. Strato di finitura: lastre in fibra di gesso - *Tipo: Gustaf BF Panel - sp. 13 mm*

0 5 10 40 cm

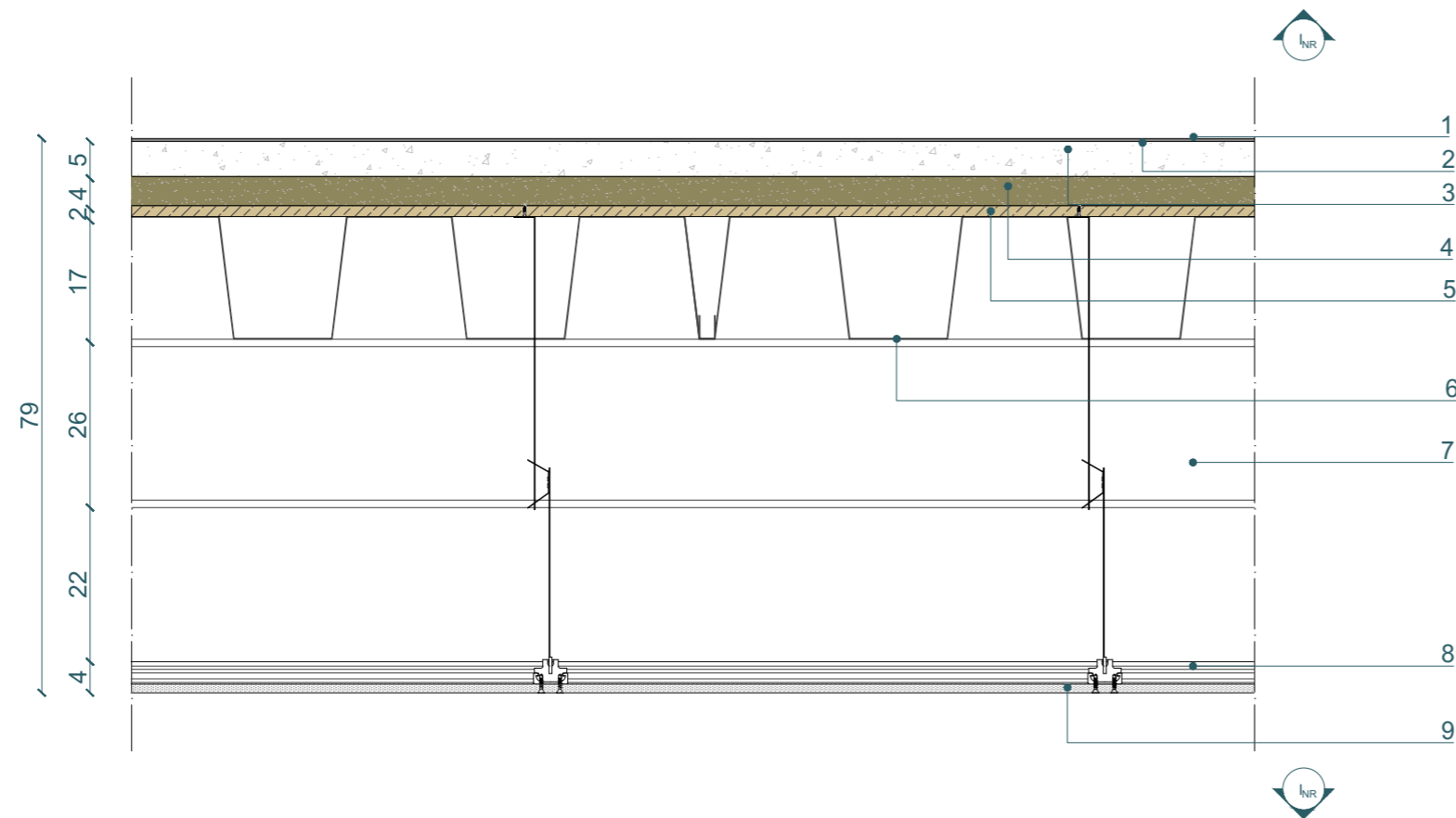
SCALA 1:10

88 ABACO DELLE
STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 08

PARTIZIONE ORIZZONTALE

Solaio a secco (passerella)

1. Strato di finitura: doghe in LVT - Tipo: Gerflor Creation 55 ARENA - sp. 2,5 mm
2. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm
3. Massetto in calcestruzzo alleggerito - Tipo: Leca - Lecamix Facile - sp. 50 mm
4. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 40 mm
5. Strato di irrigidimento: pannello in OSB - Tipo: Galloppini Legnami - sp. 15,5 mm
6. Lamiera grecata in acciaio - Tipo: Sand 160 Positive - h 175 mm
7. Strato portante: trave in acciaio HEA 260
8. Orditura metallica: profili montanti a C in acciaio zincato - Tipo: Knauf C Plus 15x50x15 mm - sp. 0,6 mm
9. Strato di finitura: lastre in fibra di gesso - Tipo: Gustaf BF Panel - sp. 13 mm

0 5 10 40 cm

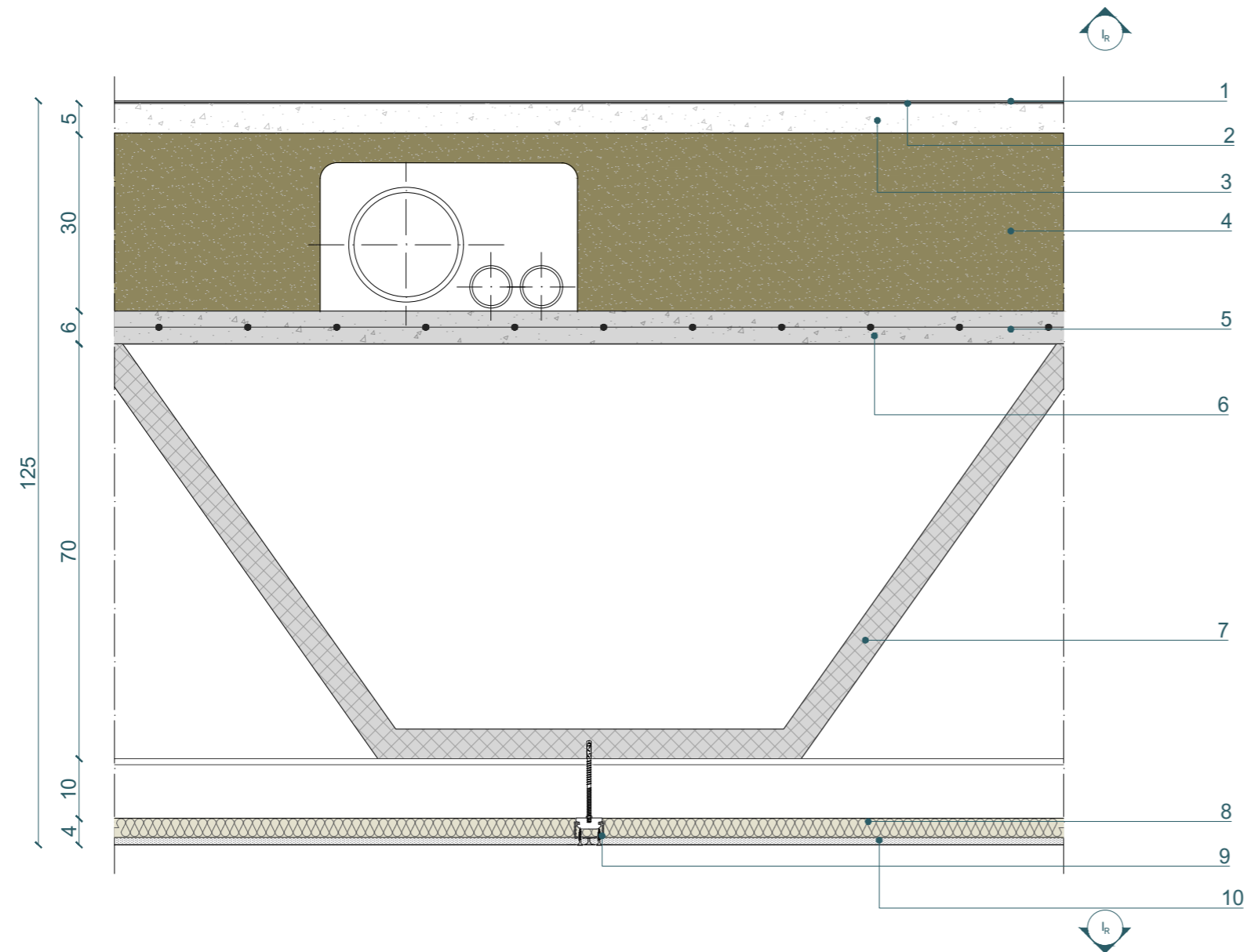
SCALA 1:10

89 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

SEZIONE VERTICALE



P.O. 09a
 PARTIZIONE ORIZZONTALE
 Solaio con elementi in CAP (biblioteca)

1. Strato di finitura: doghe in LVT - Tipo: Gerflor Creation 55 ARENA - sp. 2,5 mm
2. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm
3. Massetto in calcestruzzo alleggerito - Tipo: Leca - Lecamix Facile - sp. 50 mm
4. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
5. Rete elettrosaldata in acciaio - Tipo: Feralpi B450C, maglia: 10x10 cm - sp. 25 mm
6. Strato di irrigidimento: getto collaborante in calcestruzzo - sp. 55 mm
7. Strato portante: solaio in c.a.p. - Tipo: Baracalit Ipersol - h. 700 mm
8. Strato di isolamento termico e acustico: pannello isolante in fibra di cellulosa - Tipo: Isocell - sp. 50 mm e densità 40 kg/m³
9. Orditura metallica: profili montanti a C in acciaio zincato - Tipo: Knauf C Plus 15x50x15 mm - sp. 0,6 mm
10. Strato di finitura: lastre in fibra di gesso - Tipo: Gustaf BF Panel - sp. 13 mm



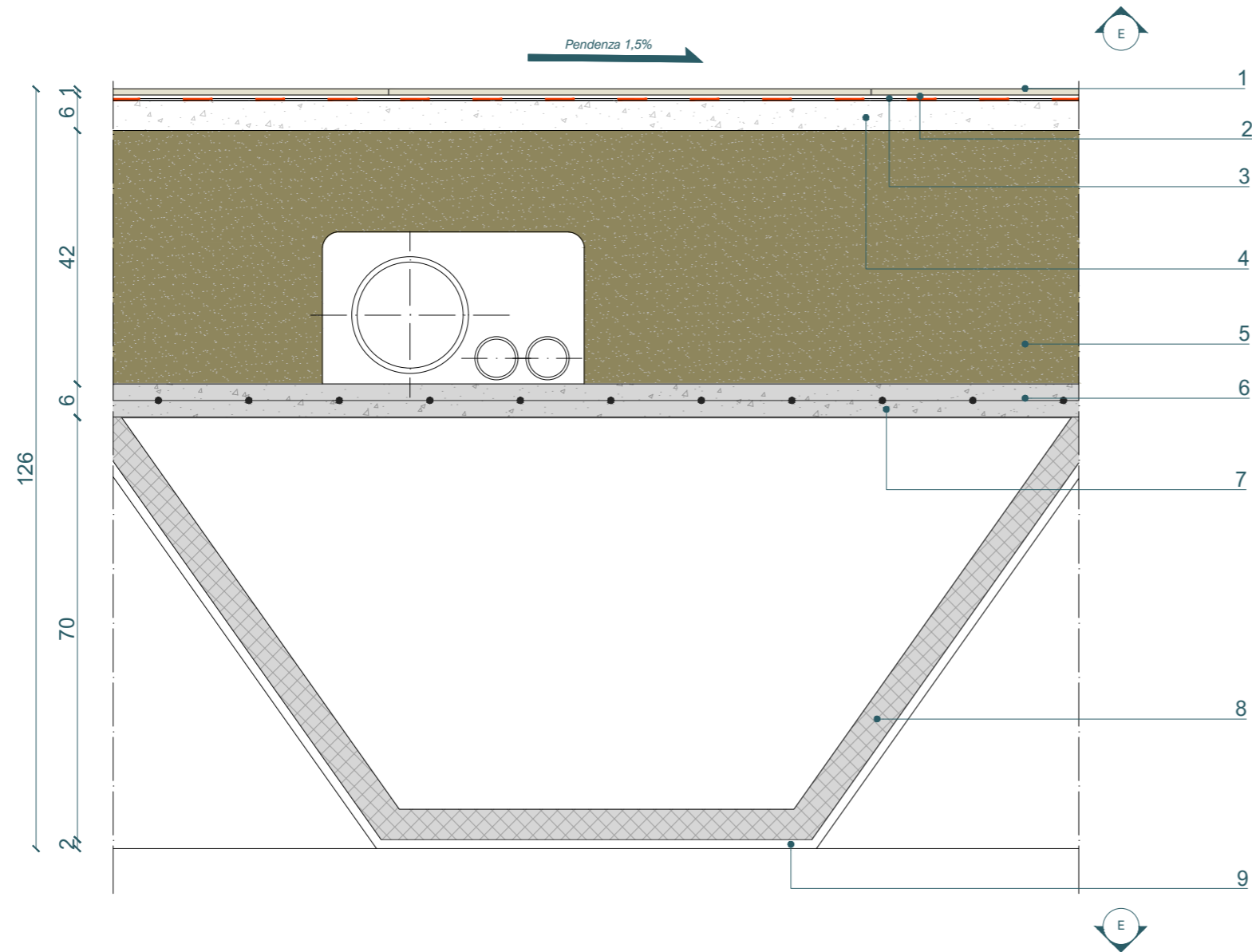
SCALA 1:10

90 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

SEZIONE VERTICALE



P.O. 10
PARTIZIONE ORIZZONTALE
Tettoia (terrazza)

1. Strato di finitura: piastrelle in ceramica -
Tipo: Novoceram Teranga 80x80 - sp. 10 mm
2. Strato di incollaggio: adesivo cementizio -
Tipo: Mapei - Keraflex - sp. 6 mm
3. Strato di tenuta all'acqua: Guaina impermeabilizzante per sistemi a secco - Tipo: DiProtec® KSK - sp. 3 mm
4. Massetto in calcestruzzo alleggerito -
Tipo: Leca - Lecamix Facile - sp. 50 mm
5. Massetto di integrazione impiantistica in cellulosa - Tipo: Beton wood - Fibertherm flocc - sp. 300 mm
6. Rete elettrosaldata in acciaio - Tipo: Feralpi B450C, maglia: 10x10 cm - sp: 25 mm
7. Strato di irrigidimento: getto collaborante in calcestruzzo - sp: 55 mm
8. Strato portante: solaio in c.a.p. - Tipo: Baracalit Ipersol - h. 700 mm
9. Strato di finitura: intonaco di fondo fibrorinforzato a base di calce e cemento - Tipo: Fassa Bortolo K17 - Sp: 15 mm



SCALA 1:10

91 ABACO DELLE STRATIGRAFIE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

P.O.03.a+: VARIANTE (compartimentazione antincendio)9. e 10. sostituiti da:

- 1.1. Strato di finitura: intonaco rasante a base di calce e cemento - Tipo: Knauf FP120 - sp. 2 mm
- 2.1. Strato di finitura: intonaco di fondo a base di calce e cemento - Tipo: Fassa Bortolo KF4 - sp. 15 mm

P.O.03.b: VARIANTE (corridoi, biglietteria e merchandising) 1. sostituito da:

- 1.1. Strato di finitura: pasta cementizia monocomponente a grana grossa effetto spatolato - Tipo: Mapei Ultratop Loft F - sp. 2 mm

P.O.03.c: VARIANTE (arena-eventi sportivi)1. sostituito da:

- 1.1. Strato di finitura: parquet sportivo smontabile in listoni preassemblati in pannelli leggeri in legno massello - Tipo: Junkers - Pro Complete 44 - sp. 40 mm

P.O.03.c': VARIANTE (arena-concerti)1. sostituito da:

- 1.1. Strato di finitura: malta autolivellante a base di speciali leganti idraulici - Tipo: Mapei - Ultratop System Natural Effect - sp. 1,8 mm

P.O.03.d: VARIANTE (spogliatoi atleti)1. e 2. sostituiti da:

- 1.1. Strato di finitura: doghe in LVT - Tipo: Gerflor Taralay Securite Compact - GRANITE - sp. 2 mm
- 2.1. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm

P.O.03.e: VARIANTE (spogliatoi palestra)1. e 2. sostituiti da:

- 1.1. Strato di finitura: doghe in LVT - Tipo: Gerflor Taralay Securite Compact - DIOPSIDE - sp. 2 mm
- 2.1. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm

P.O.03.f: VARIANTE (cucina) - 1. e 2. sostituiti da:

- 1.1. Strato di finitura: doghe in LVT - Tipo: Gerflor Tarasafe Plus Special Cuisine - SAVANA - sp. 2,5 mm
- 2.1. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm

P.O.03.g: VARIANTE (bagni pubblici)1. e 2. sostituiti da:

- 1.1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram - Chateau SABLE 80x80 - sp. 9 mm
- 2.1. Strato di incollaggio: adesivo cementizio - Tipo: Mapei - Keraflex - sp. 6 mm

P.O.03.h: VARIANTE (bagni spogliatoi e docce)1. e 2. sostituiti da:

- 1.1. Strato di finitura: piastrelle in gres porcellanato - Tipo: Novoceram - Iridium OPALE 30x30 - sp. 7,3 mm
- 2.1. Strato di incollaggio: adesivo cementizio - Tipo: Mapei - Keraflex - sp. 6 mm

P.O.03.i: VARIANTE (palestra) - 1. e 2. sostituiti da:

- 1.1. Strato di finitura: listoni Faggio Sylva Sport Premium - Tipo: Junkers Unobat 45 - dim. 22x129x3700 mm
- 2.1. Orditura: travetti in betulla con gomma ammortizzante incorporata - Tipo: Junkers Unobat 45 - dim. 23x50x3600 mm

P.O.04.b: VARIANTE (uffici)1. e 2. sostituiti da:

- 1.1. Strato di finitura: doghe in LVT - Tipo: Gerflor SAGA 55 - ALBION - sp. 4,6 mm
- 2.1. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm

P.O.04.c: VARIANTE (sale riunioni)1. e 2. sostituiti da:

- 1.1. Strato di finitura: doghe in LVT - Tipo: Gerflor SAGA 55 - ROUGH TEXTILE BEIGE - sp. 4,6 mm
- 2.1. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm

P.O.04.d: VARIANTE (security)1. e 2. sostituiti da:

- 1.1. Strato di finitura: doghe in LVT - Tipo: Gerflor SAGA 55 - DOCK GREY - sp. 4,6 mm
- 2.1. Strato di incollaggio: adesivo fibrorinforzato per LVT - Tipo: Mapei - Ultrabond Eco 4LVT + adesivo standard - Tipo: Mapei - Ultraplan Eco 20 + primer - Tipo: Mapei - Primer G - sp. totale 2 mm

PO.04.e: VARIANTE (ristorante)1. e 2. sostituiti da:

1.1. Strato di finitura: piastrelle in gres porcellanato -
Tipo: Novoceram - Otto SABLE 120x120 - sp. 9 mm

2.1. Strato di incollaggio: adesivo cementizio - *Tipo: Mapei - Keraflex - sp. 6 mm*

PO.06.b VARIANTE (solaio blocco est) 10. sostituito da:

10.1. Strato portante: trave in acciaio HEA 260

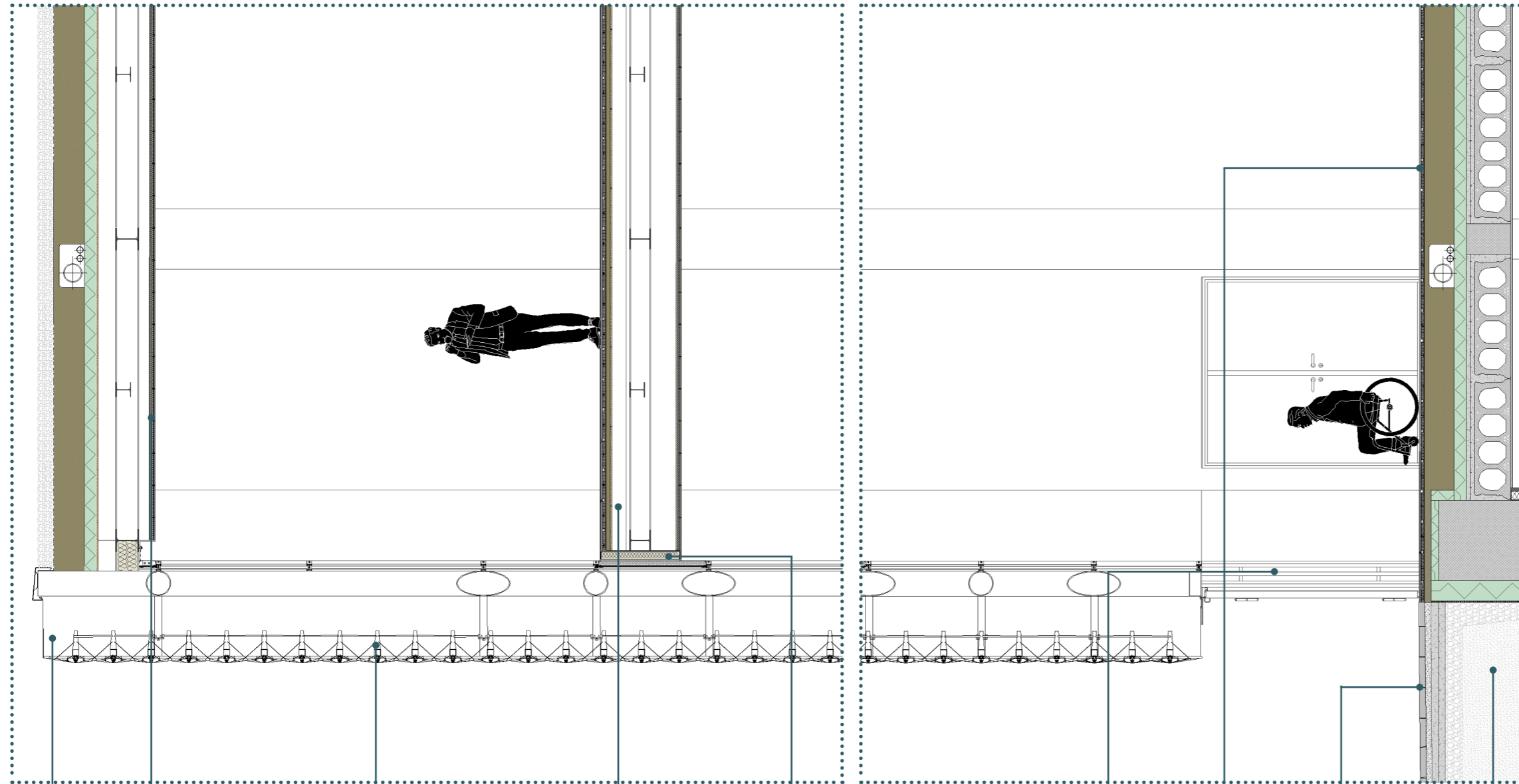
PO.06.c VARIANTE (solaio blocco nord) 10. sostituito da:

10.1. Strato portante: trave in acciaio HEA 200

PO.09.b: VARIANTE (ristorante)1. e 2. sostituiti da:

1.1. Strato di finitura: intonaco di fondo a base di calce e
cemento - *Tipo: Fassa Bortolo KS9 - sp. 10 mm*

2.1. Strato di finitura: intonaco rasante a base di calce
e cemento bianco - *Tipo: Fassa Bortolo IG21 - sp. 2
mm*



Lamiera metallica di chiusura

C.O. 04.a

C.V. 07.a

P.O. 06.a

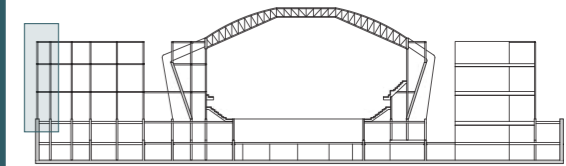
Pannello Spandrel - Tipo: Pilkington Pro T

Porta in vetro REI 120 Tipo: SVF AluProtect

P.O. 04.a

P.O. I

C.V. 03.a



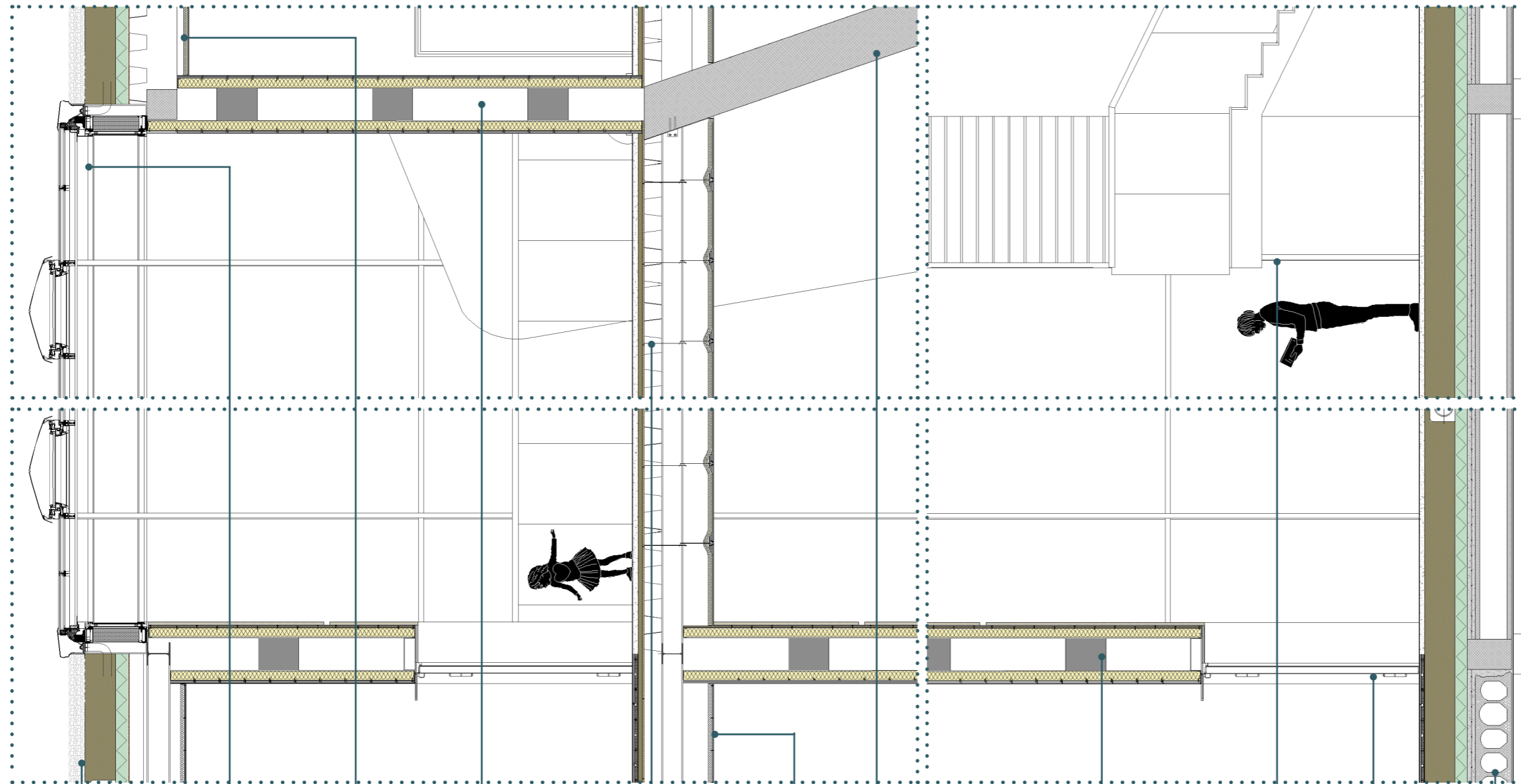
0 50 100 200 cm

SCALA 1:50

94 SEZIONE COSTRUTTIVA



Annibale Alessandra
Chiesa Emily
Prelli Giulia



C.O. 04.a

C.O. 07

C.O. 05

P.V. 10

P.O. 08

P.O. 06.a

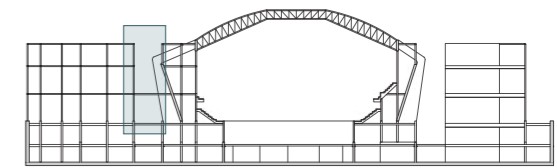
P.V. III

P.O. II.a

Scale in c.a.

Porta REI 120 - Tipo: TRIA TSN 12

P.O. 03.a



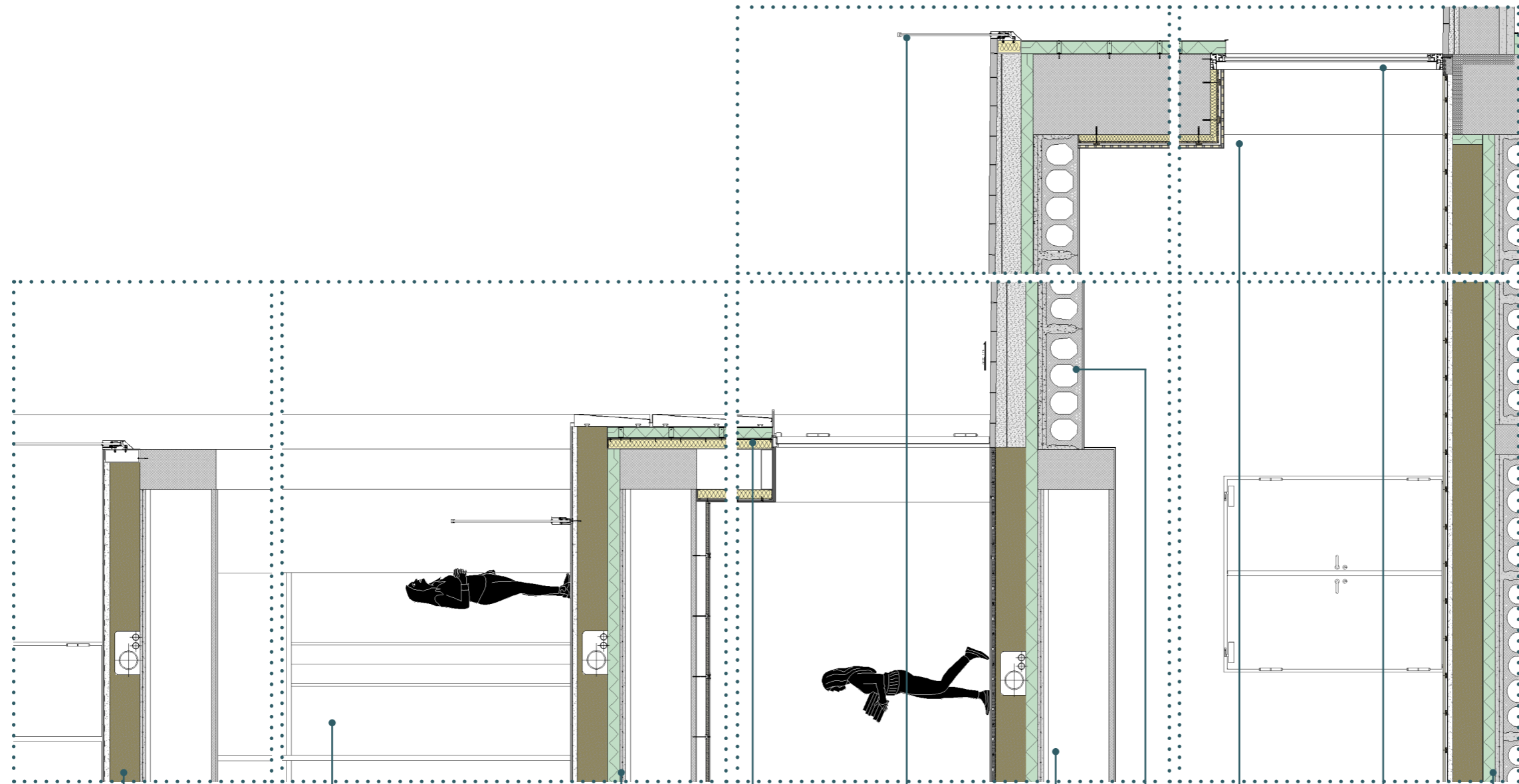
0 50 100 200 cm

SCALA 1:50

95 SEZIONE COSTRUTTIVA



Annibale Alessandra
Chiesa Emily
Prelli Giulia



P.O. 10

Porta a vetri - Tipo: Citterio

P.O. 06.a

C.V. 05.a

Parapetto in vetro - Tipo: Faraone NINFA

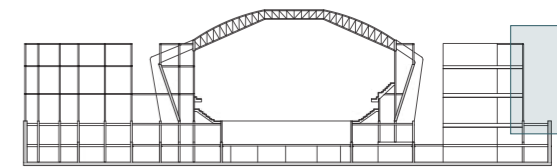
P.O. 05

C.O. 02

C.V. 04.b

Facciata continua - Tipo: Schüco FWS 50

P.O. 03.i



0 50 100 200 cm

SCALA 1:50

96 SEZIONE COSTRUTTIVA



Annibale Alessandra
Chiesa Emily
Prelli Giulia

VI

FACCIATA ADATTIVA

Premessa

Le facciate adattive (AF) sono involucri edilizi in grado di adattarsi alle mutevoli condizioni al contorno sotto forma di fluttuazioni meteorologiche a breve termine, cicli diurni o modelli stagionali.

Dallo stato dell'arte attuale vengono esplorate ingegnerizzate differenti soluzioni, la cui scelta viene definita sulla base dell'applicazione all'edificio, in modo da favorire l'ideazione del design, determinare le prestazioni e stabilire le modalità di attivazione e controllo, col fine ultimo di implementare la fattibilità e costruibilità del sistema tramite la parametrizzazione dell'elemento.

INDICE

<u>ANALISI ILLUMINOTECNICHE STATO DI FATTO</u>	<u>97</u>	<u>SCELTA CONFIGURAZIONE 21 DICEMBRE</u>	<u>140</u>
<u>ANALISI ILLUMINOTECNICHE CP1.1</u>	<u>100</u>	<u>CONFRONTO RISULTATI 21 DICEMBRE</u>	<u>142</u>
<u>ANALISI ILLUMINOTECNICHE CP2.1</u>	<u>103</u>	<u>SCELTA CONFIGURAZIONE 21 MARZO</u>	<u>143</u>
<u>ANALISI ILLUMINOTECNICHE CP3.1</u>	<u>106</u>	<u>CONFRONTO RISULTATI 21 MARZO</u>	<u>145</u>
<u>ANALISI ILLUMINOTECNICHE CP4.1</u>	<u>109</u>	<u>SCELTA CONFIGURAZIONE 21 GIUGNO</u>	<u>146</u>
<u>ANALISI ILLUMINOTECNICHE CP1.2</u>	<u>112</u>	<u>CONFRONTO RISULTATI 21 GIUGNO</u>	<u>148</u>
<u>ANALISI ILLUMINOTECNICHE CP2.2</u>	<u>115</u>	<u>SCELTA CONFIGURAZIONE 23 SETTEMBRE</u>	<u>149</u>
<u>ANALISI ILLUMINOTECNICHE CP3.2</u>	<u>118</u>	<u>CONFRONTO RISULTATI 23 SETTEMBRE</u>	<u>151</u>
<u>ANALISI ILLUMINOTECNICHE CP4.2</u>	<u>121</u>	<u>ANALISI ILLUMINOTECNICHE STATO DI FATTO - PT</u>	<u>152</u>
<u>ANALISI ILLUMINOTECNICHE CP1.3</u>	<u>124</u>	<u>ANALISI ILLUMINOTECNICHE STATO DI FATTO - P1</u>	<u>155</u>
<u>ANALISI ILLUMINOTECNICHE CP2.3</u>	<u>127</u>	<u>ANALISI ILLUMINOTECNICHE STATO DI FATTO - P2</u>	<u>158</u>
<u>ANALISI ILLUMINOTECNICHE CP3.3</u>	<u>130</u>	<u>ANALISI ILLUMINOTECNICHE APERTURA CENTRALE - PT</u>	<u>161</u>
<u>ANALISI ILLUMINOTECNICHE CP4.3</u>	<u>133</u>	<u>ANALISI ILLUMINOTECNICHE APERTURA CENTRALE - P1</u>	<u>164</u>
<u>SCELTA CONFIGURAZIONE CP1</u>	<u>136</u>	<u>ANALISI ILLUMINOTECNICHE APERTURA CENTRALE - P2</u>	<u>167</u>
<u>SCELTA CONFIGURAZIONE CP2</u>	<u>137</u>	<u>ANALISI ILLUMINOTECNICHE SOPPALCO - PT</u>	<u>170</u>
<u>SCELTA CONFIGURAZIONE CP3</u>	<u>138</u>	<u>ANALISI ILLUMINOTECNICHE SOPPALCO - P1</u>	<u>173</u>
<u>SCELTA CONFIGURAZIONE CP4</u>	<u>139</u>	<u>ANALISI ILLUMINOTECNICHE SOPPALCO - P2</u>	<u>176</u>

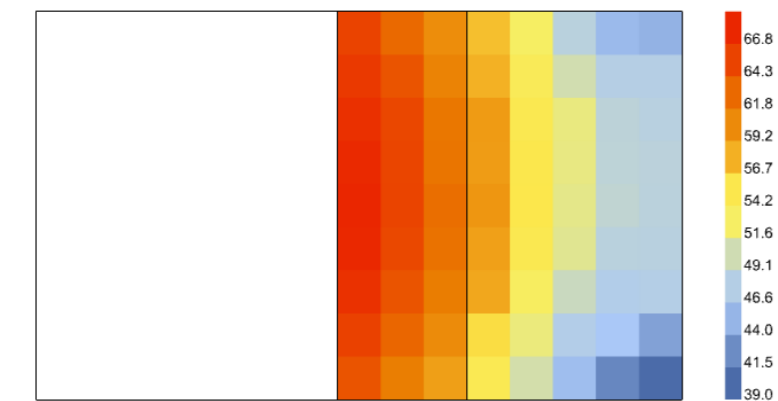
<u>ANALISI ILLUMINOTECNICHE SCHERMATURA EST - PT</u>	<u>179</u>
<u>ANALISI ILLUMINOTECNICHE SCHERMATURA EST - P1</u>	<u>182</u>
<u>ANALISI ILLUMINOTECNICHE SCHERMATURA EST - P2</u>	<u>185</u>
<u>ANALISI ILLUMINOTECNICHE SCHERMATURA CENTRO - PT</u>	<u>188</u>
<u>ANALISI ILLUMINOTECNICHE SCHERMATURA CENTRO - P1</u>	<u>191</u>
<u>ANALISI ILLUMINOTECNICHE SCHERMATURA CENTRO - P2</u>	<u>194</u>
<u>ANALISI ILLUMINOTECNICHE MODULI CHIUSI - PT</u>	<u>197</u>
<u>ANALISI ILLUMINOTECNICHE MODULI CHIUSI - P1</u>	<u>200</u>
<u>ANALISI ILLUMINOTECNICHE MODULI CHIUSI - P2</u>	<u>203</u>
<u>ANALISI ILLUMINOTECNICHE MODULI APERTI - PT</u>	<u>206</u>
<u>ANALISI ILLUMINOTECNICHE MODULI APERTI - P1</u>	<u>209</u>
<u>ANALISI ILLUMINOTECNICHE MODULI APERTI - P2</u>	<u>212</u>
<u>SCelta CONFIGURAZIONE CP1 - PT</u>	<u>215</u>
<u>SCelta CONFIGURAZIONE CP2 - PT</u>	<u>216</u>
<u>SCelta CONFIGURAZIONE CP3 - PT</u>	<u>217</u>
<u>SCelta CONFIGURAZIONE CP4 - PT</u>	<u>218</u>
<u>SCelta CONFIGURAZIONE 21 DICEMBRE - PT</u>	<u>219</u>

<u>CONFRONTO RISULTATI 21 DICEMBRE - PT</u>	<u>221</u>
<u>SCelta CONFIGURAZIONE 21 MARZO - PT</u>	<u>222</u>
<u>CONFRONTO RISULTATI 21 MARZO - PT</u>	<u>224</u>
<u>SCelta CONFIGURAZIONE 21 GIUGNO - PT</u>	<u>225</u>
<u>CONFRONTO RISULTATI 21 GIUGNO - PT</u>	<u>227</u>
<u>SCelta CONFIGURAZIONE 23 SETTEMBRE- PT</u>	<u>228</u>
<u>CONFRONTO RISULTATI 23 SETTEMBRE - PT</u>	<u>230</u>
<u>SCelta CONFIGURAZIONE CP1 - P1</u>	<u>231</u>
<u>SCelta CONFIGURAZIONE CP2 - P1</u>	<u>232</u>
<u>SCelta CONFIGURAZIONE CP3 - P1</u>	<u>233</u>
<u>SCelta CONFIGURAZIONE CP4 - P1</u>	<u>234</u>
<u>SCelta CONFIGURAZIONE 21 DICEMBRE - P1</u>	<u>235</u>
<u>CONFRONTO RISULTATI 21 DICEMBRE - P1</u>	<u>237</u>
<u>SCelta CONFIGURAZIONE 21 MARZO - P1</u>	<u>238</u>
<u>CONFRONTO RISULTATI 21 MARZO - P1</u>	<u>240</u>
<u>SCelta CONFIGURAZIONE 21 GIUGNO - P1</u>	<u>241</u>
<u>CONFRONTO RISULTATI 21 GIUGNO - P1</u>	<u>243</u>

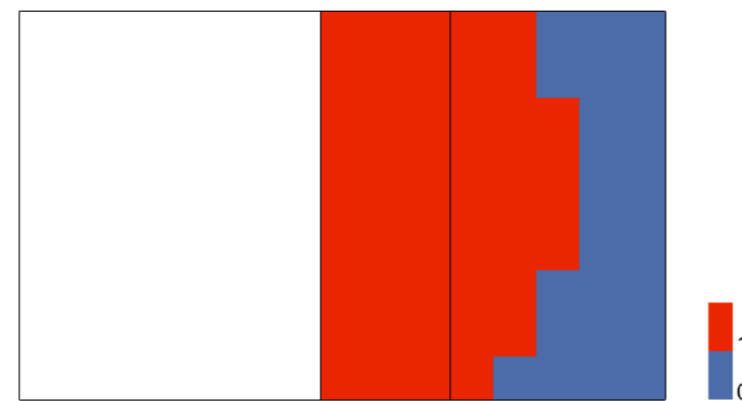
<u>SCELTA CONFIGURAZIONE 23 SETTEMBRE- P1</u>	<u>244</u>
<u>CONFRONTO RISULTATI 23 SETTEMBRE - P1</u>	<u>246</u>
<u>SCELTA CONFIGURAZIONE CP1 - P2</u>	<u>247</u>
<u>SCELTA CONFIGURAZIONE CP2 - P2</u>	<u>248</u>
<u>SCELTA CONFIGURAZIONE CP3 - P2</u>	<u>249</u>
<u>SCELTA CONFIGURAZIONE CP4 - P2</u>	<u>250</u>
<u>SCELTA CONFIGURAZIONE 21 DICEMBRE - P2</u>	<u>251</u>
<u>CONFRONTO RISULTATI 21 DICEMBRE - P2</u>	<u>253</u>
<u>SCELTA CONFIGURAZIONE 21 MARZO - P2</u>	<u>254</u>
<u>CONFRONTO RISULTATI 21 MARZO - P2</u>	<u>256</u>
<u>SCELTA CONFIGURAZIONE 21 GIUGNO - P2</u>	<u>257</u>
<u>CONFRONTO RISULTATI 21 GIUGNO - P2</u>	<u>259</u>
<u>SCELTA CONFIGURAZIONE 23 SETTEMBRE- P2</u>	<u>260</u>
<u>CONFRONTO RISULTATI 23 SETTEMBRE - P2</u>	<u>262</u>

Annual Daylight

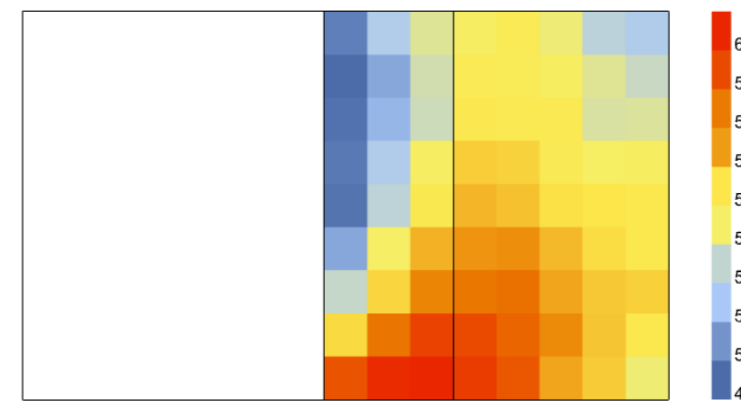
1. Daylight Autonomy (DA) - [%]



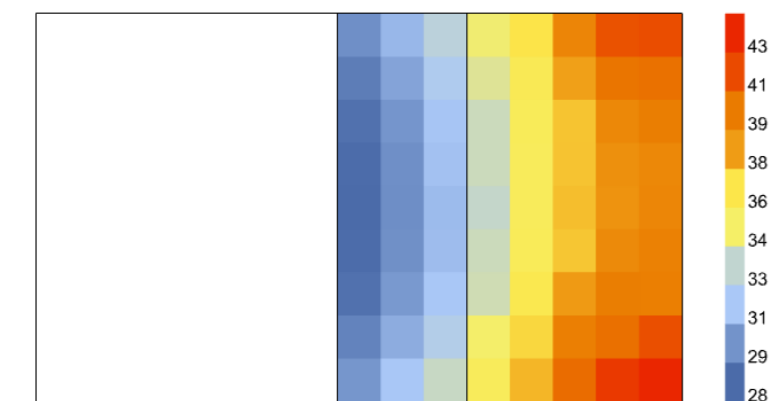
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



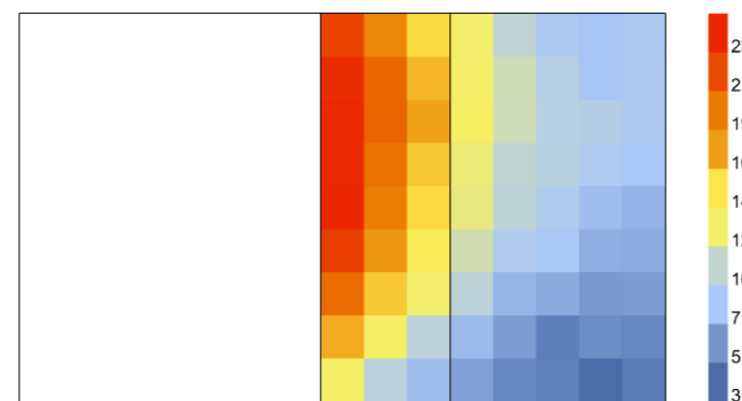
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

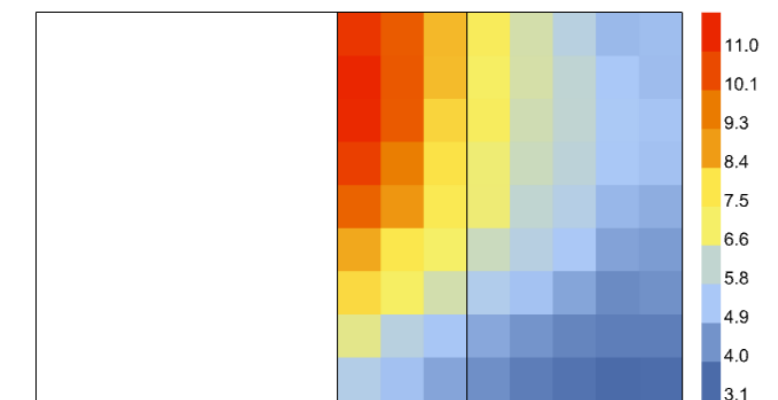


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

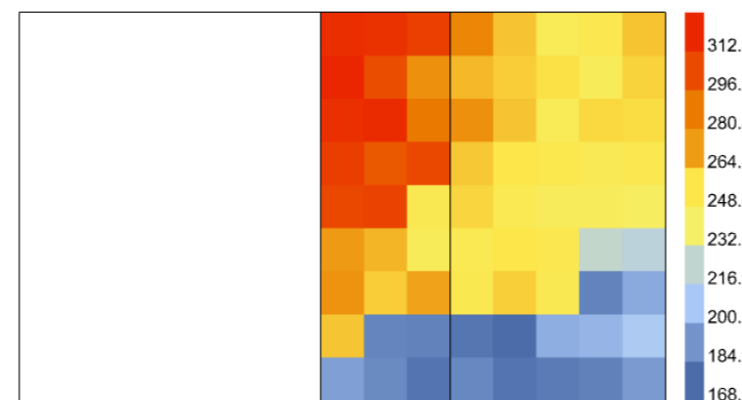


Annual Irradiance

1. Average Irradiance - [W/m²]

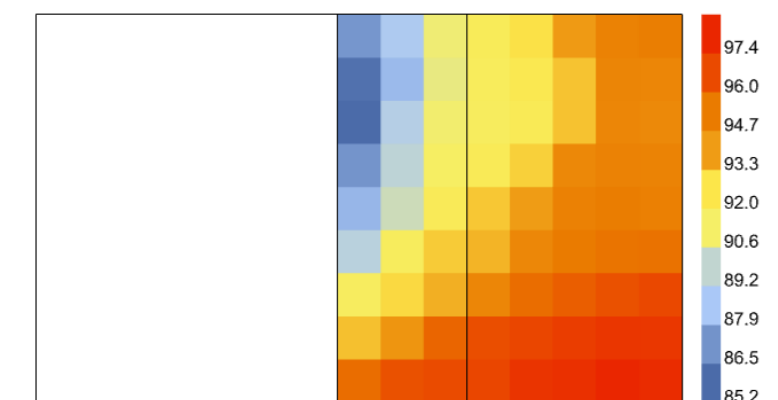


2. Peak Irradiance - [W/m²]



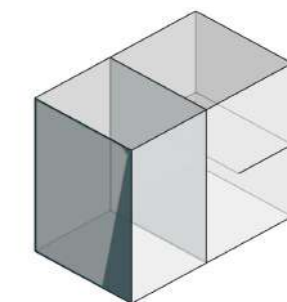
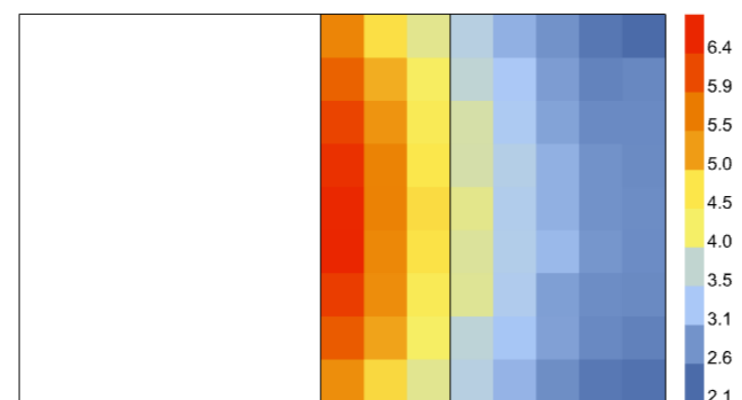
Annual Glare

1. Glare Autonomy (GA) - [%]

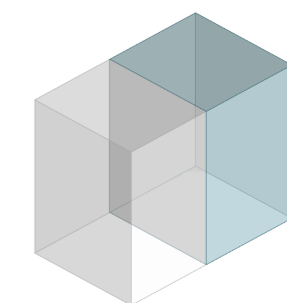


Daylight Factor

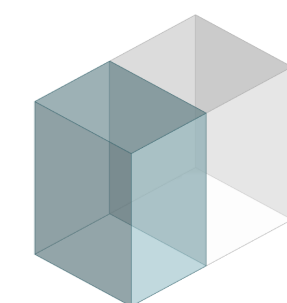
[%]



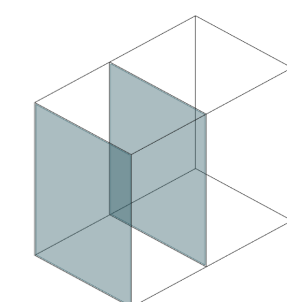
1. Modello Rhino



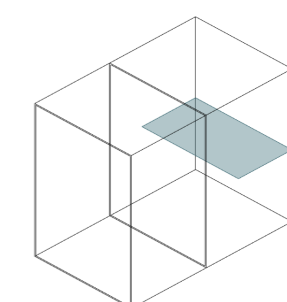
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Assenti

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

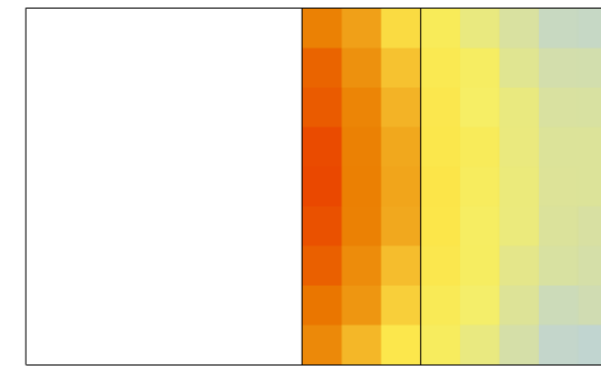
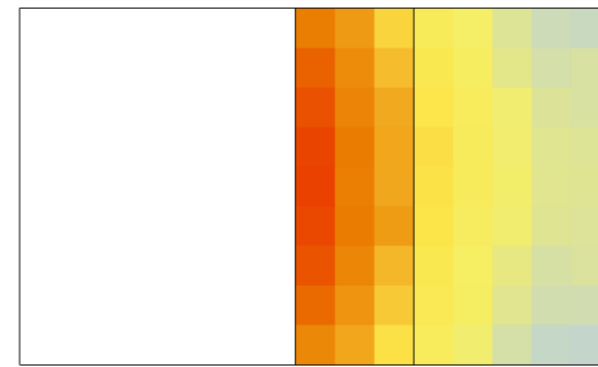
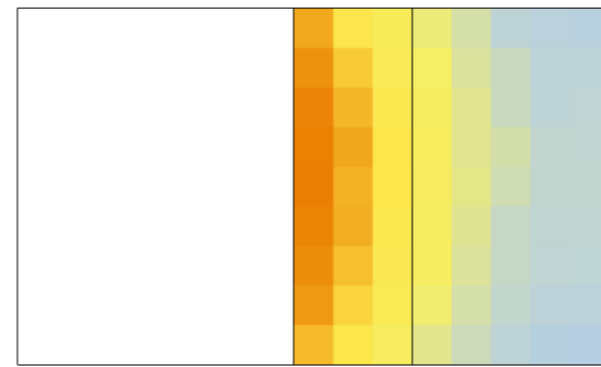
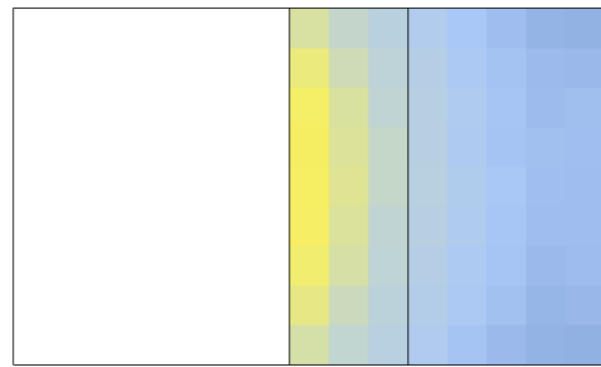
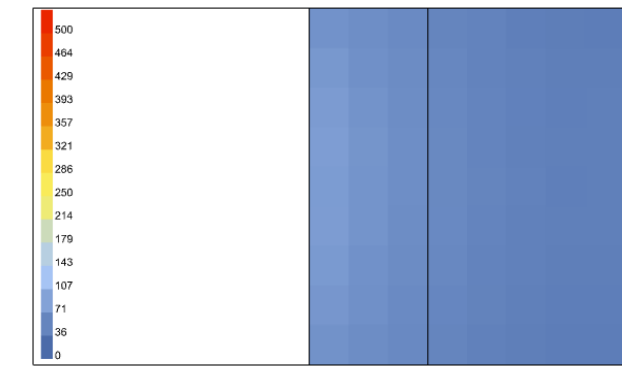
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



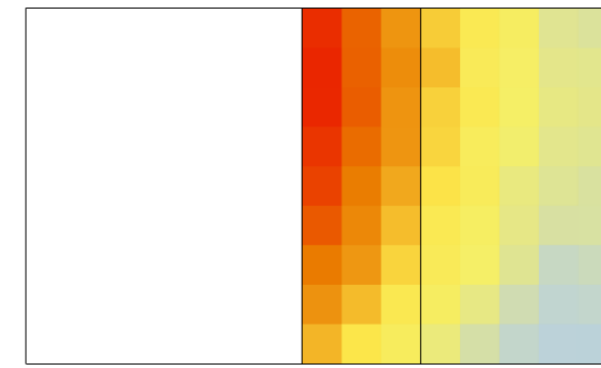
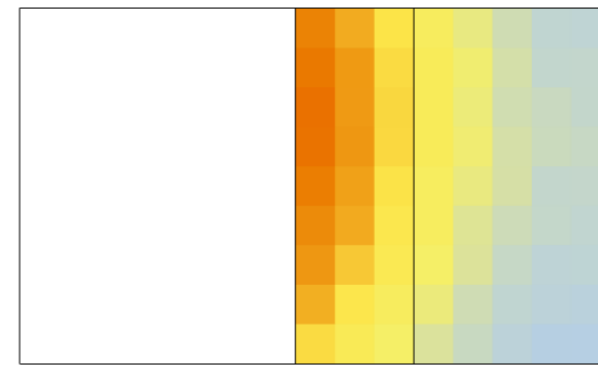
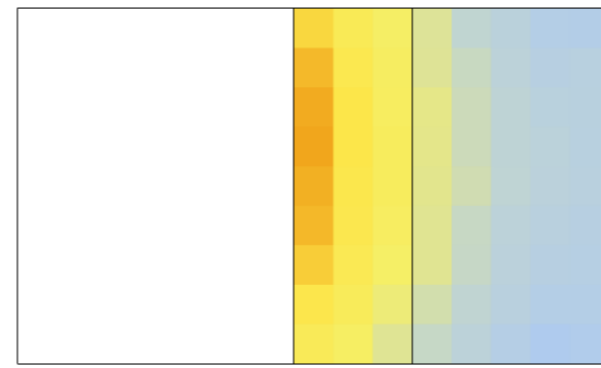
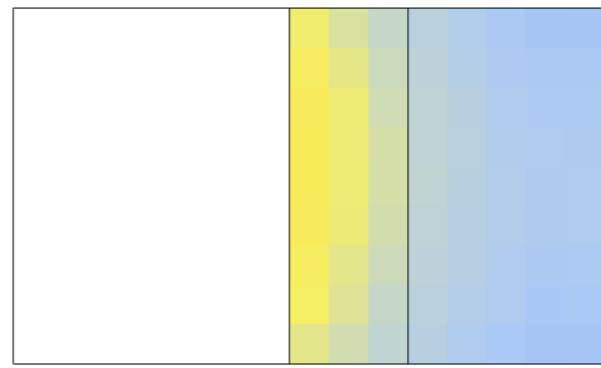
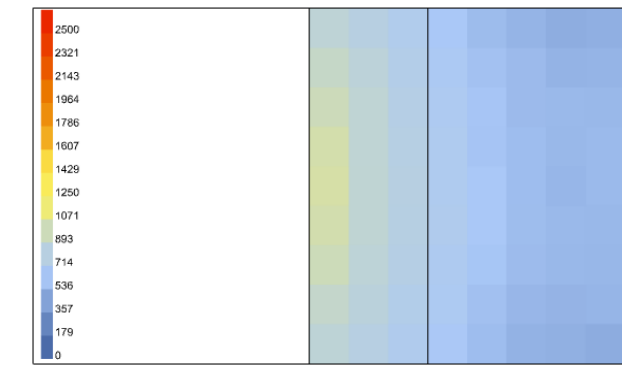
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



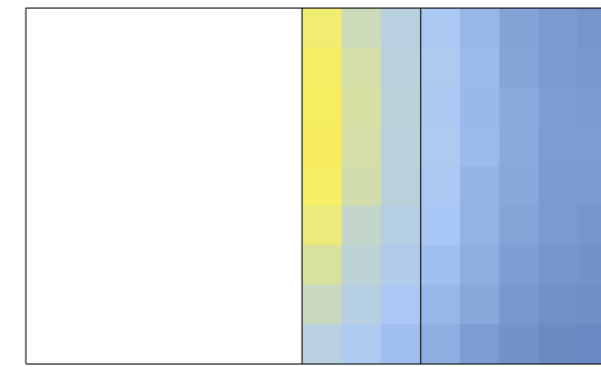
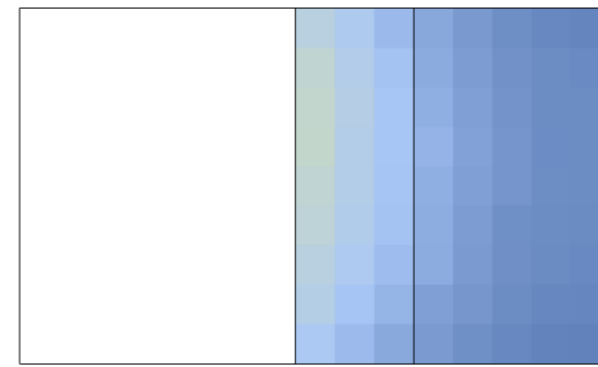
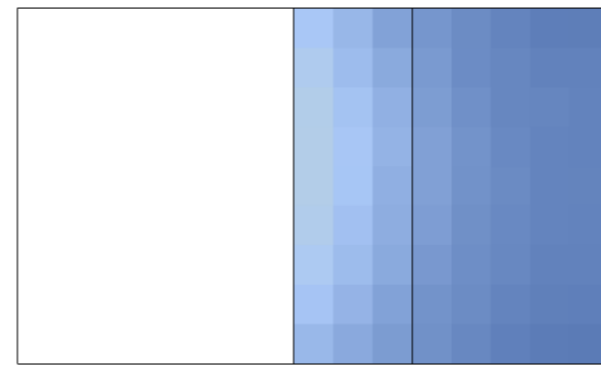
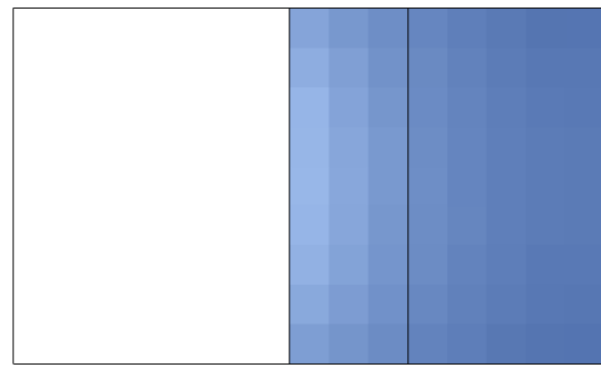
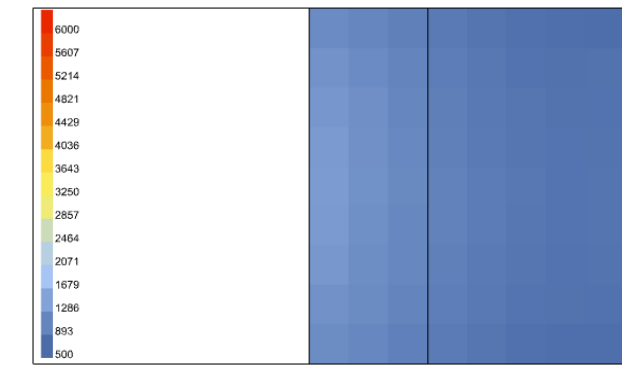
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



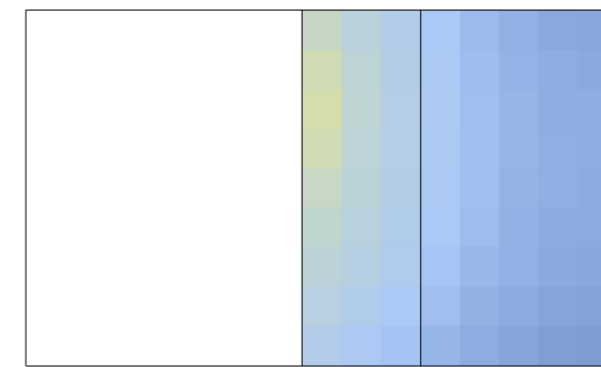
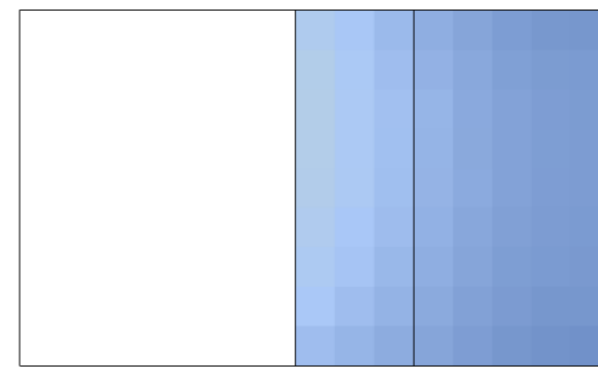
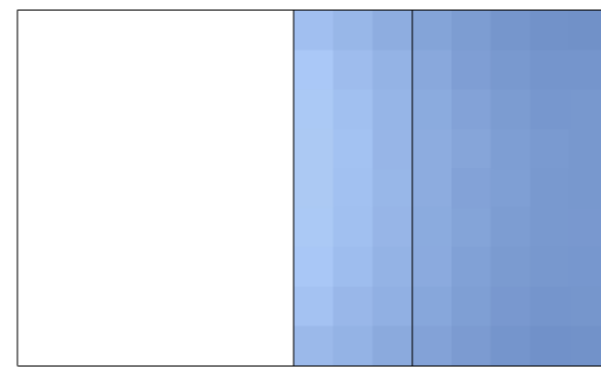
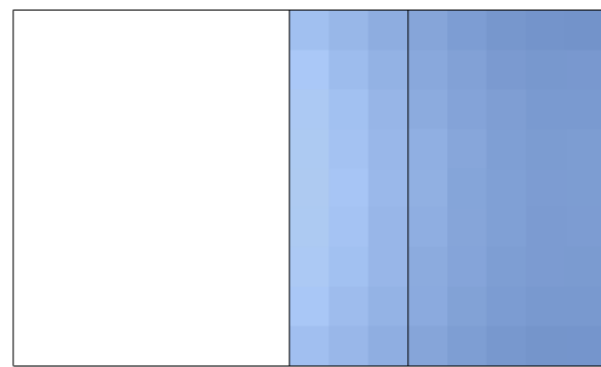
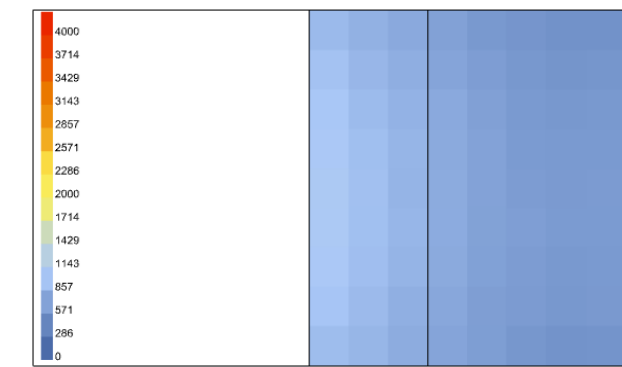
23 Settembre

23 Settembre

23 Settembre

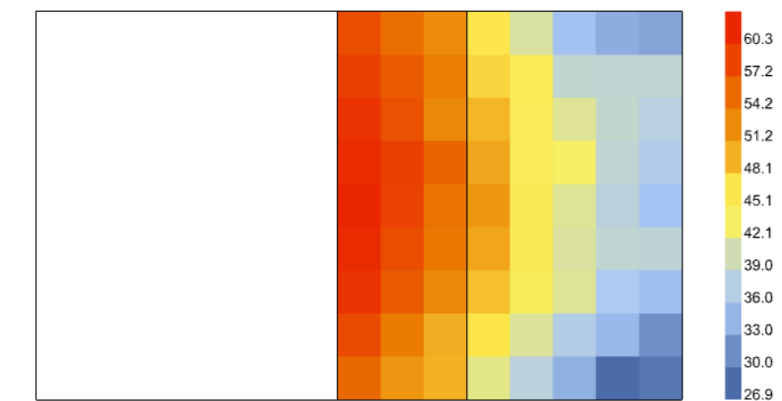
23 Settembre

23 Settembre

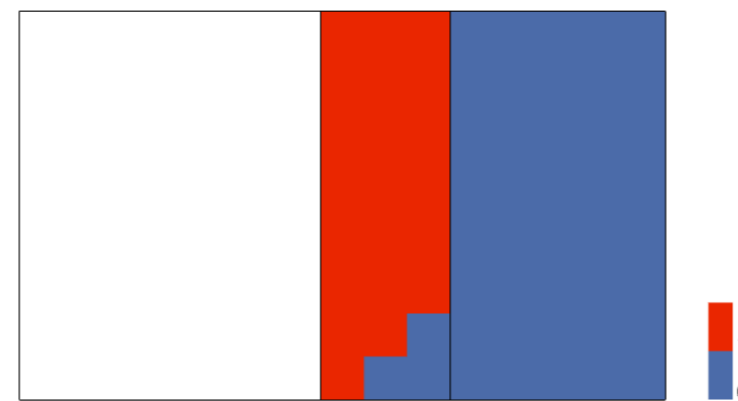


Annual Daylight

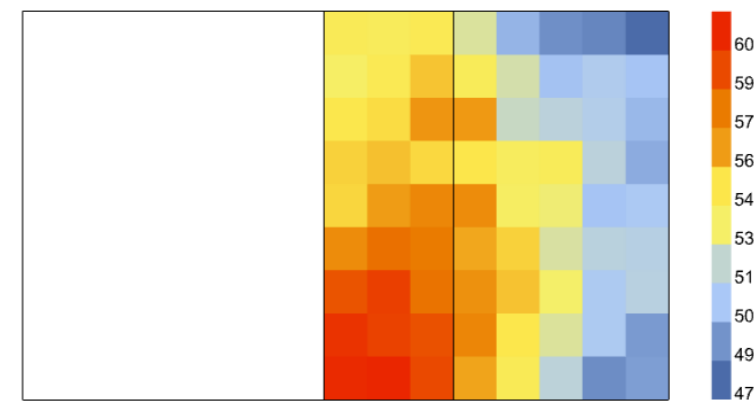
1. Daylight Autonomy (DA) - [%]



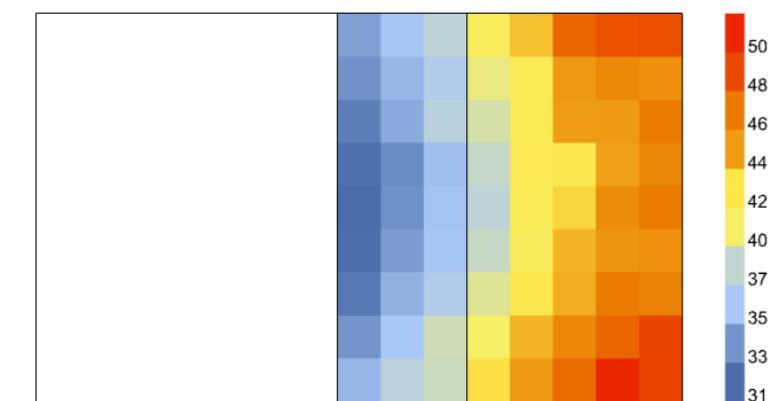
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



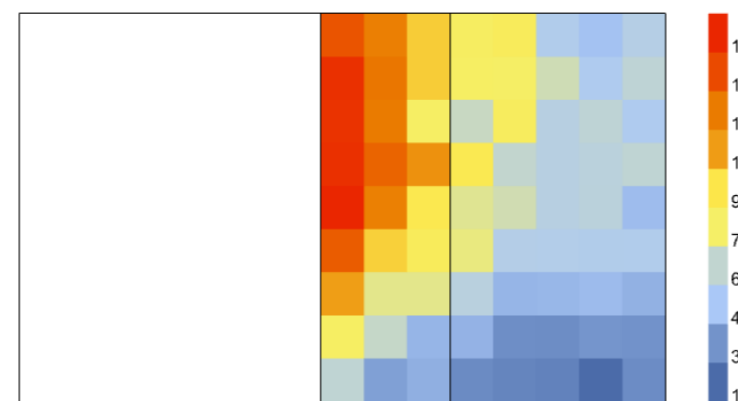
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

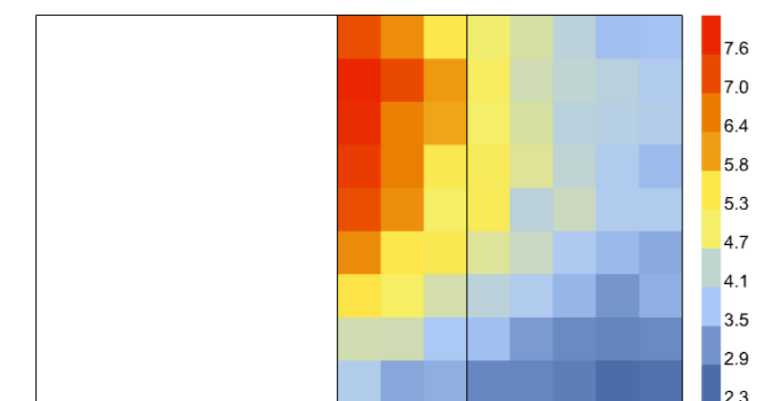


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

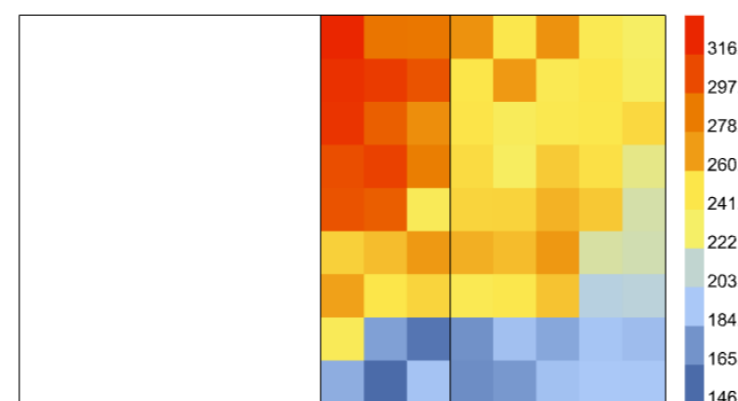


Annual Irradiance

1. Average Irradiance - [W/m²]

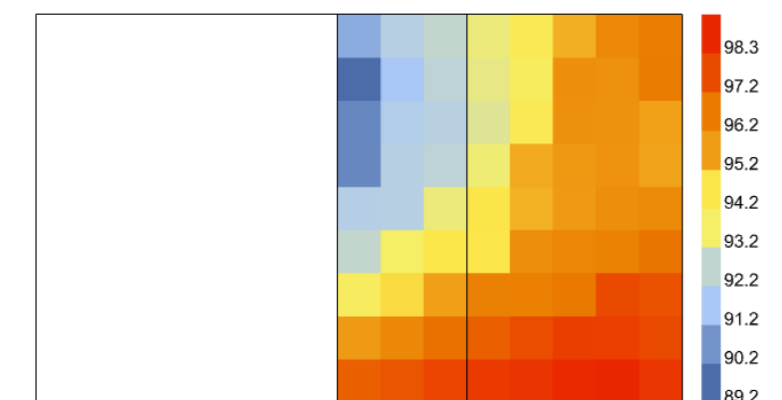


2. Peak Irradiance - [W/m²]



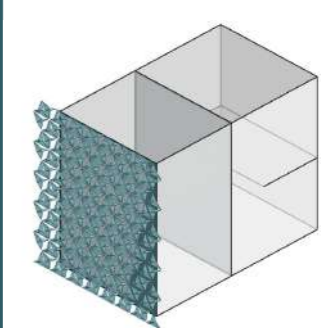
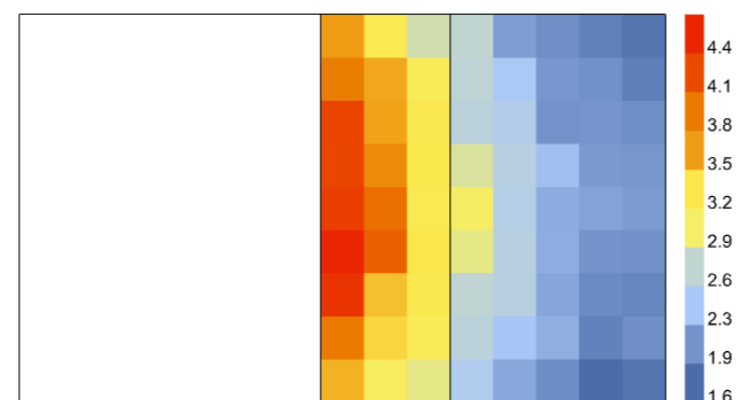
Annual Glare

1. Glare Autonomy (GA) - [%]

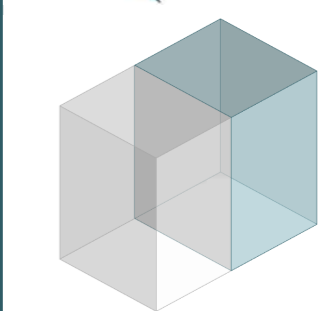


Daylight Factor

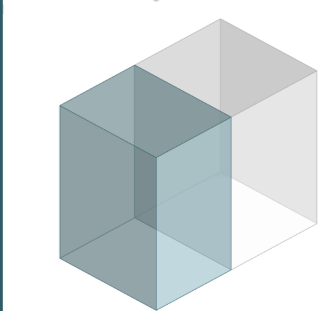
[%]



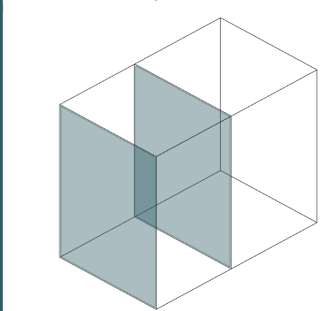
1. Modello Rhino



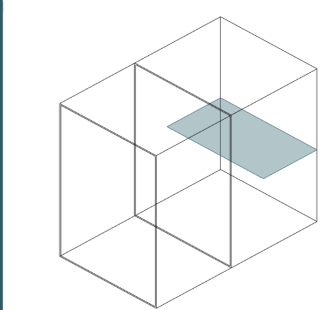
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



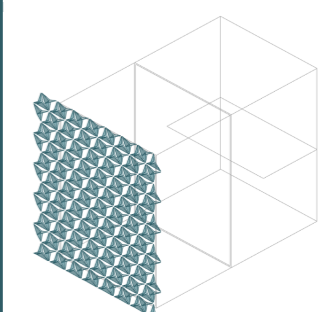
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,7
Distanza = 0,50 cm
Totalmente chiuso

100 ANALISI ILLUMINOTECNICHE
CP1.1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

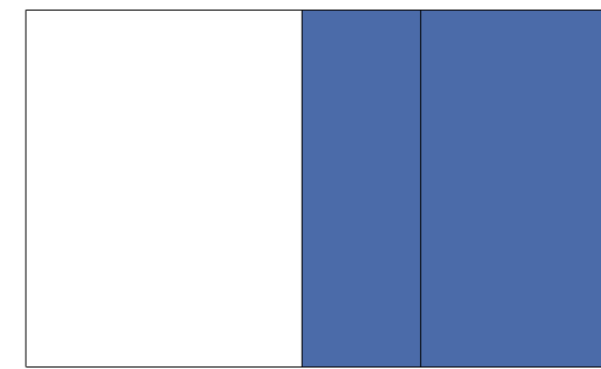
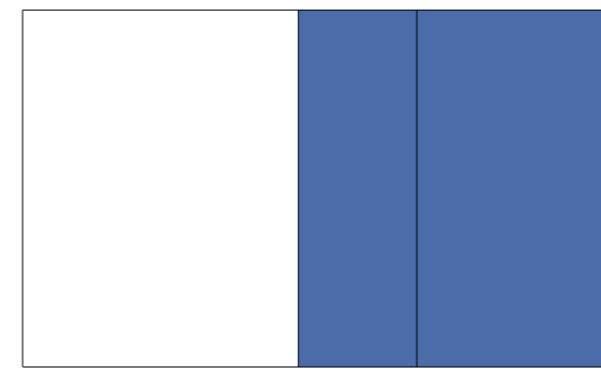
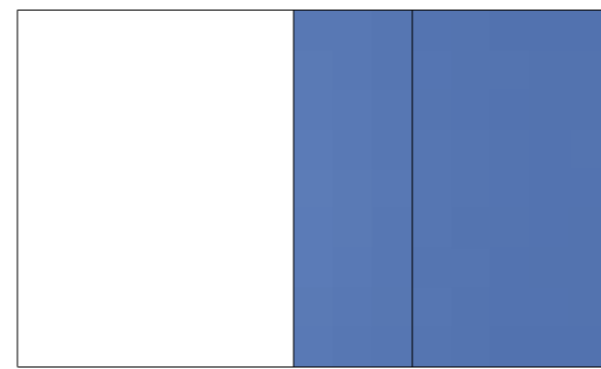
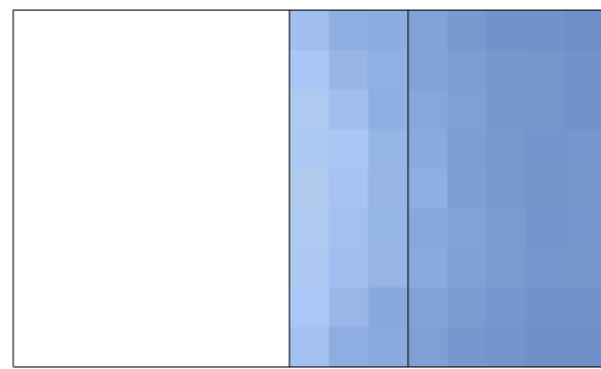
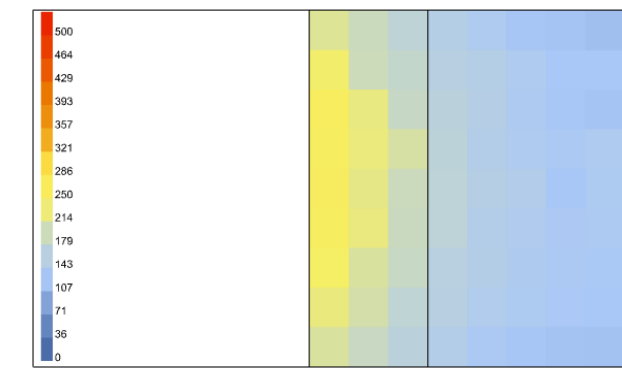
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



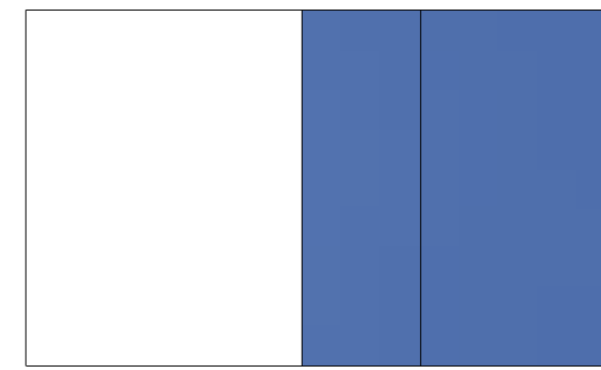
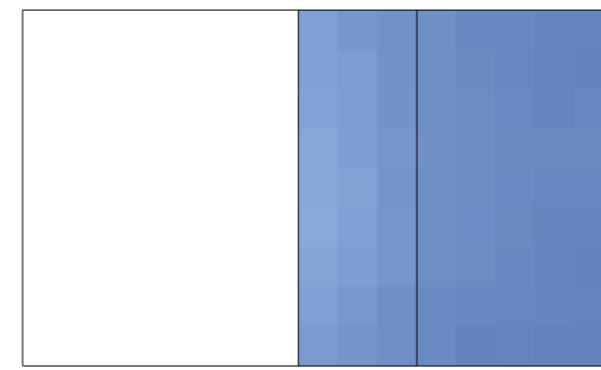
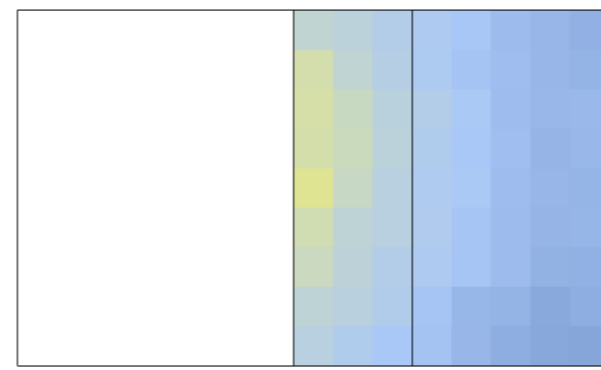
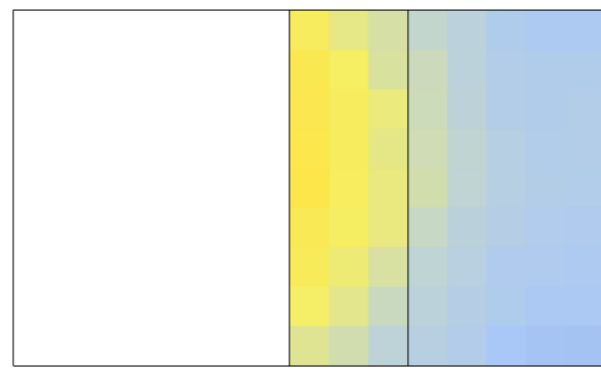
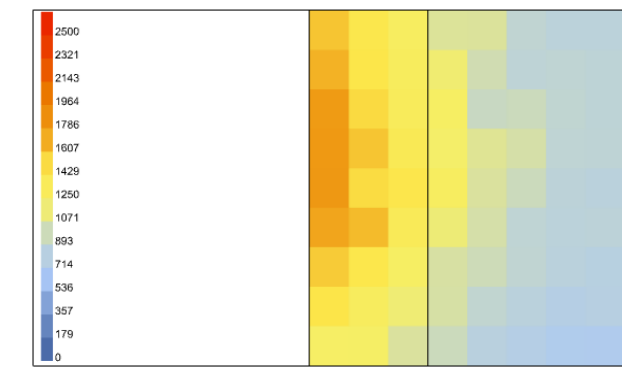
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



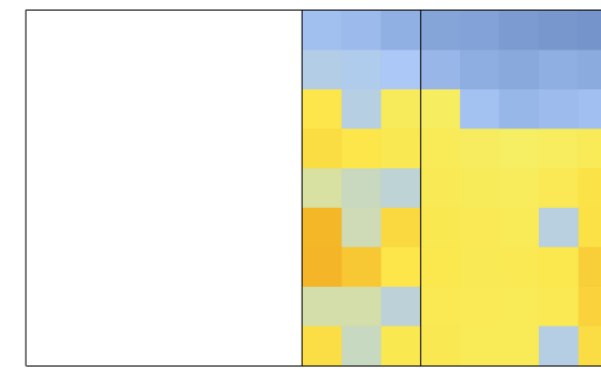
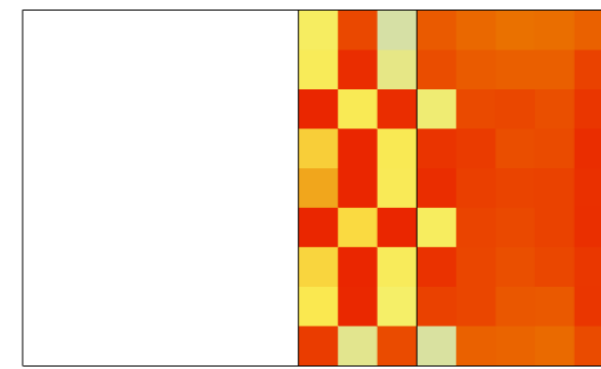
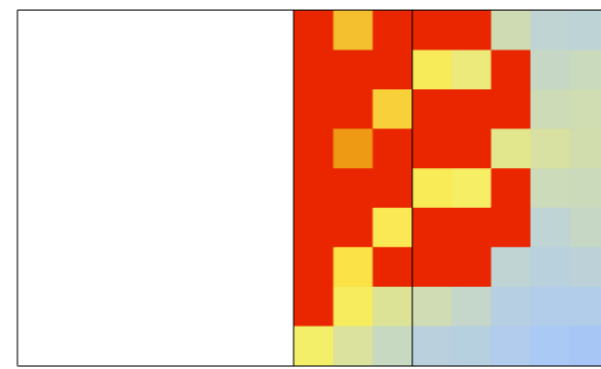
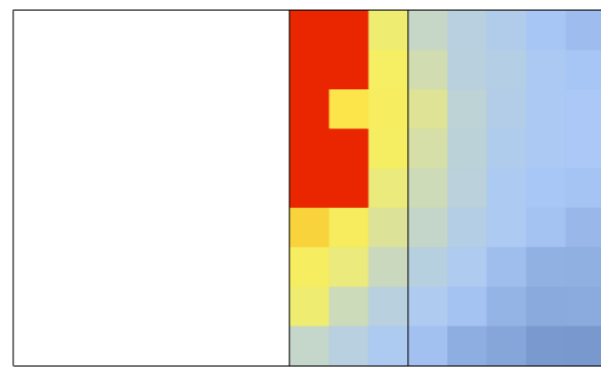
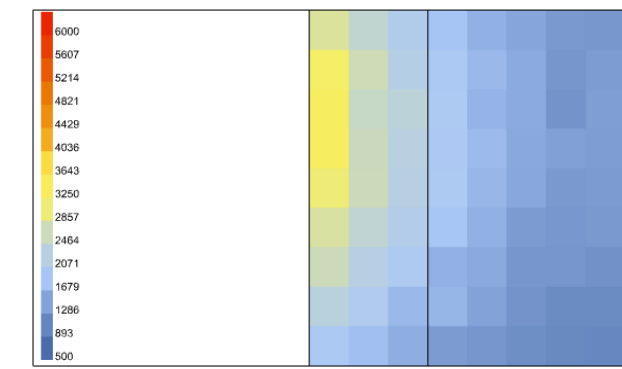
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



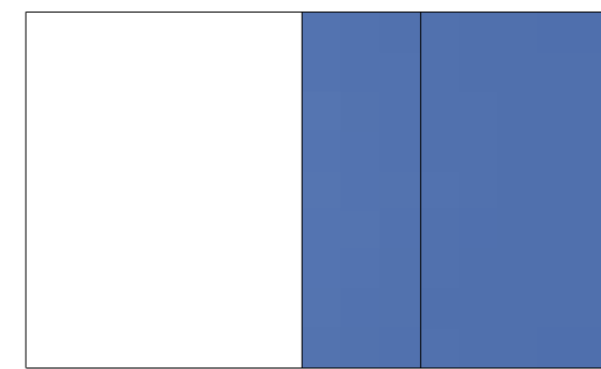
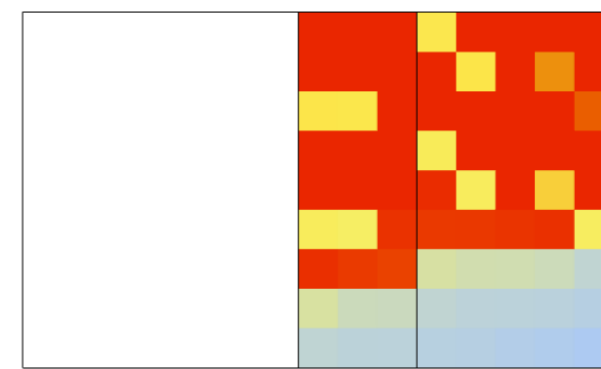
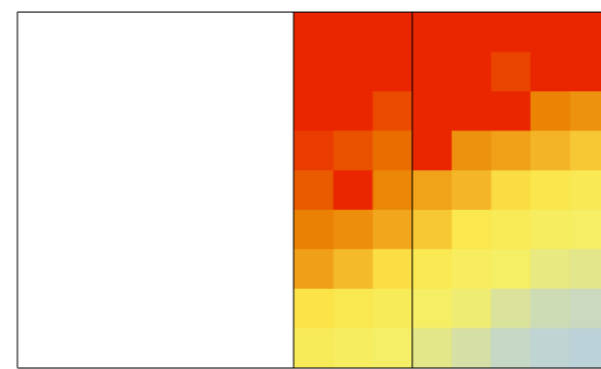
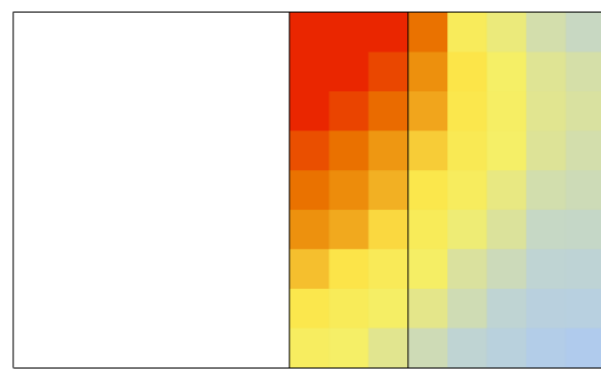
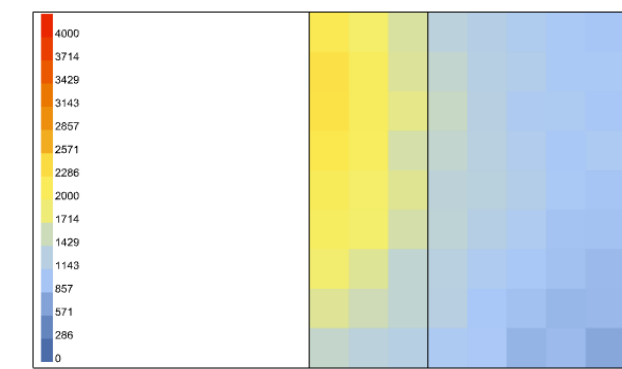
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



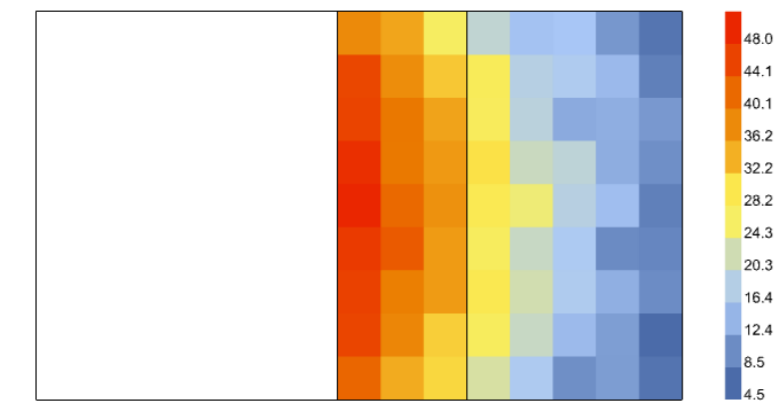
102 ANALISI ILLUMINOTECNICHE
CP1.1



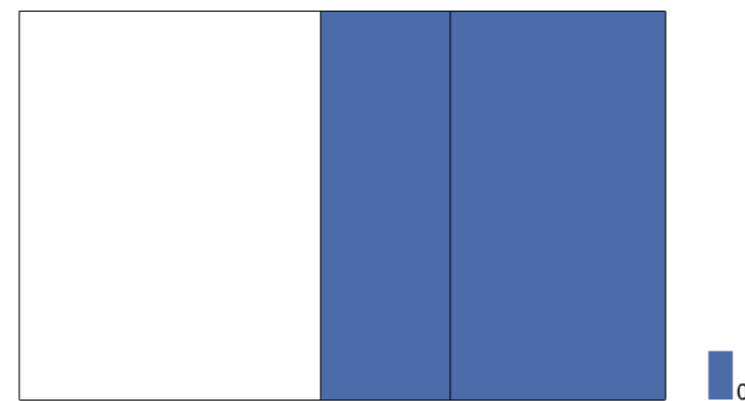
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

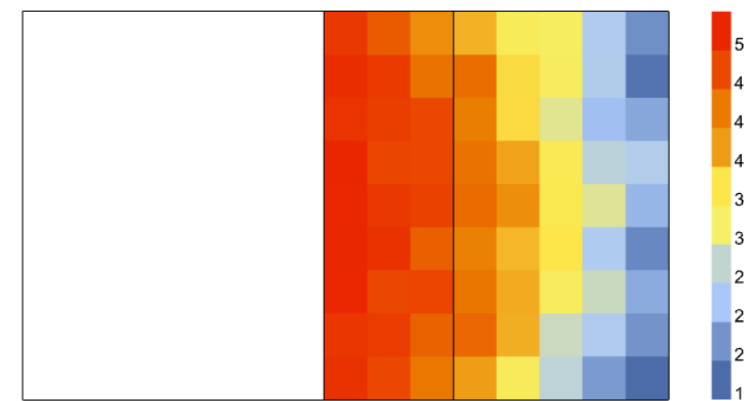
1. Daylight Autonomy (DA) - [%]



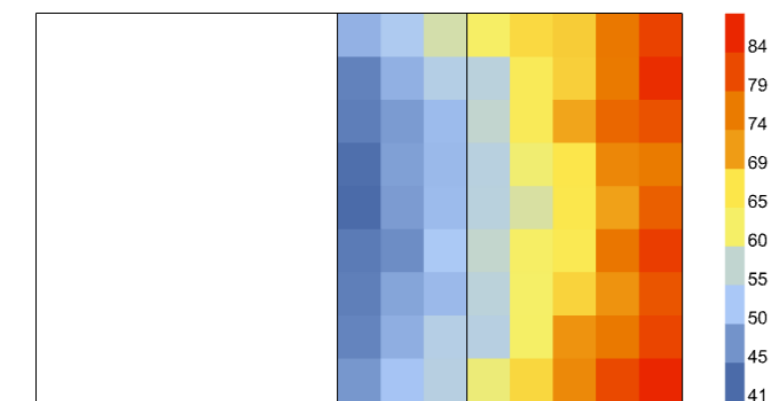
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



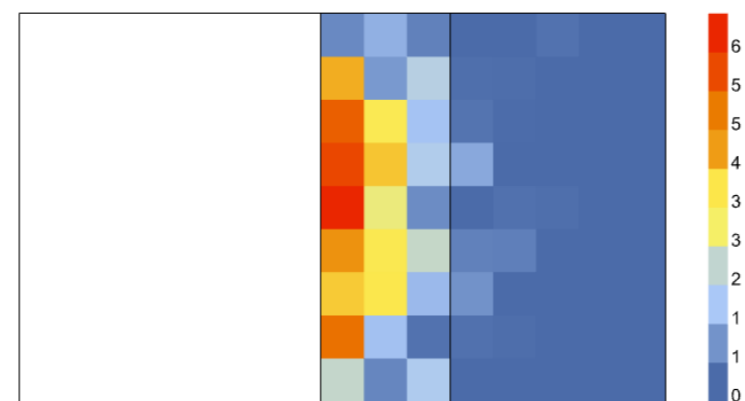
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

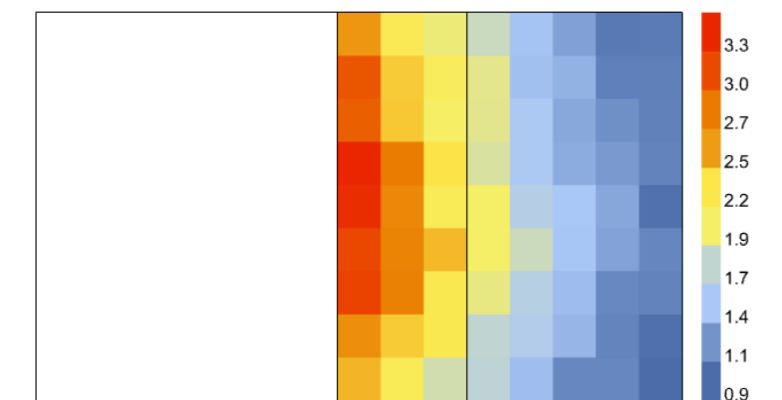


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

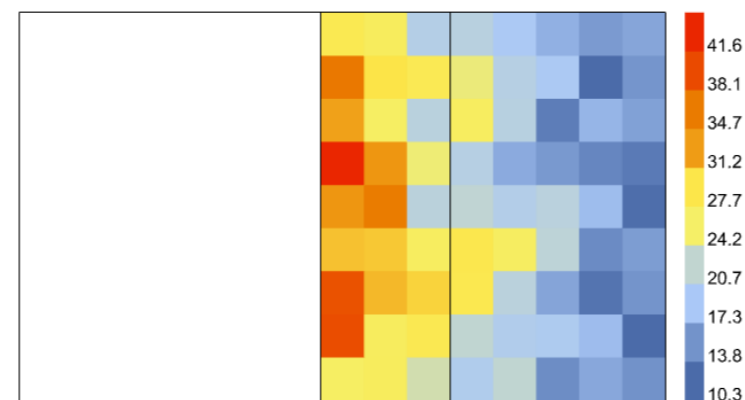


Annual Irradiance

1. Average Irradiance - [W/m²]

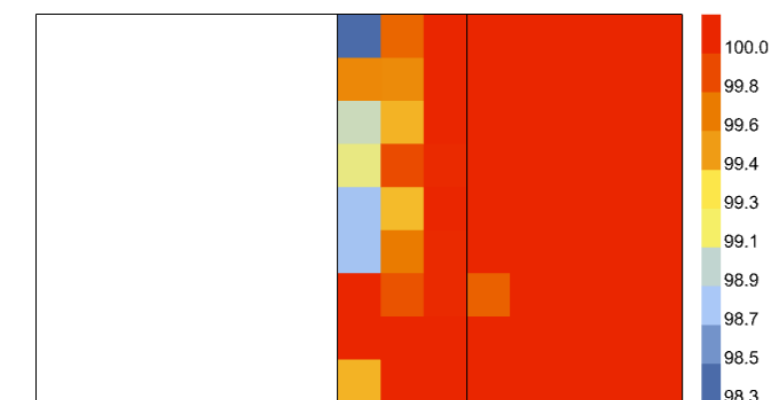


2. Peak Irradiance - [W/m²]



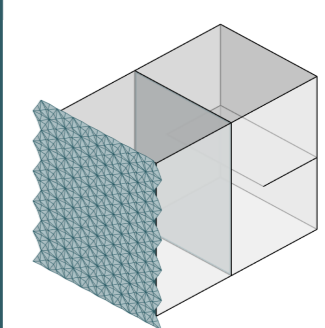
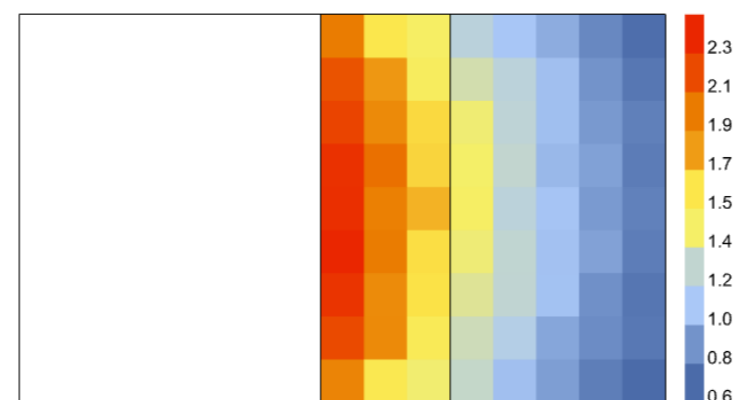
Annual Glare

1. Glare Autonomy (GA) - [%]

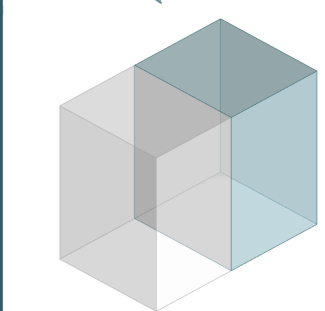


Daylight Factor

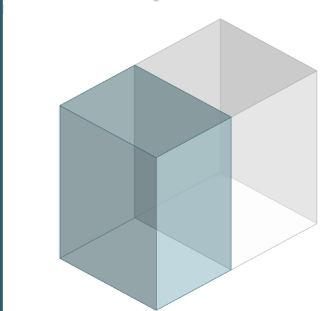
[%]



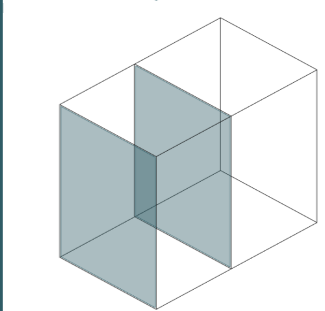
1. Modello Rhino



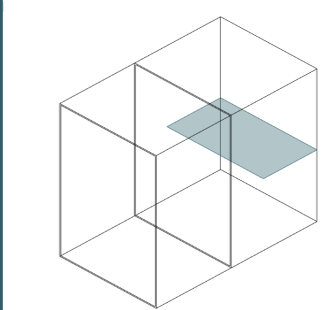
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



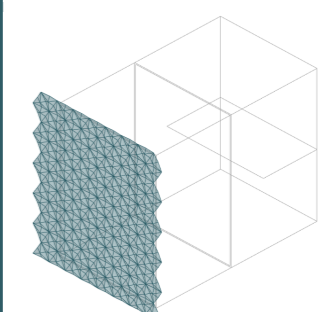
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,7
Distanza = 0,50 cm
Totalmente aperto

103 ANALISI ILLUMINOTECNICHE
CP2.1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

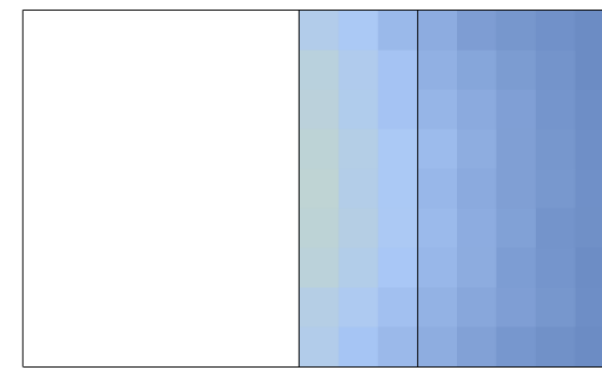
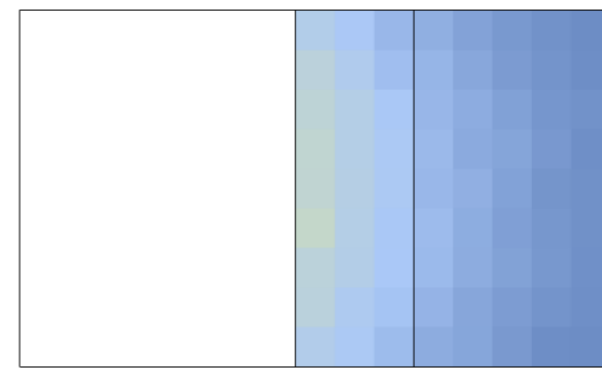
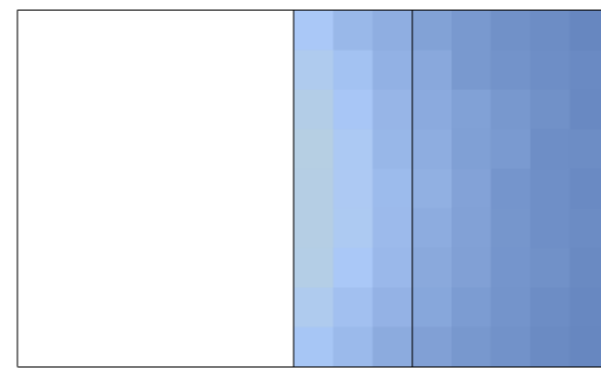
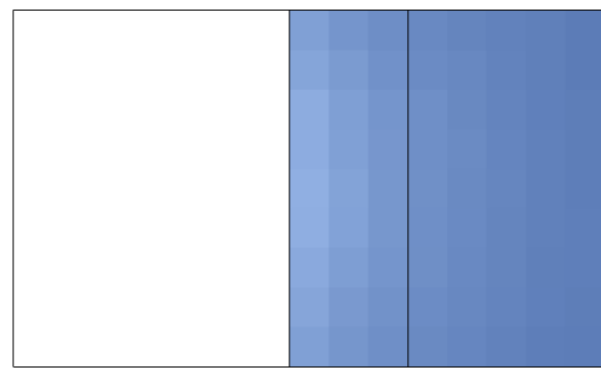
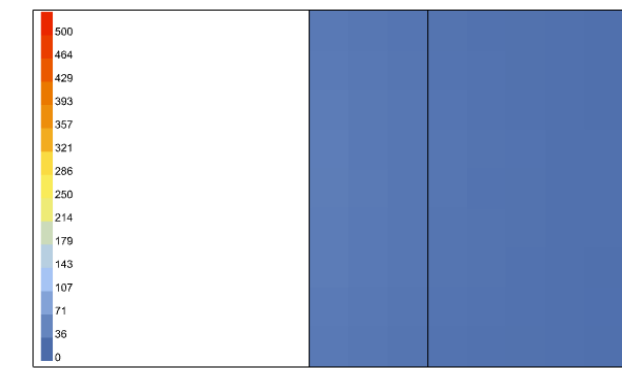
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



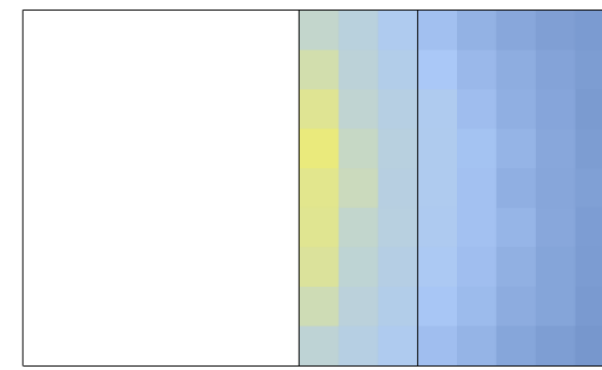
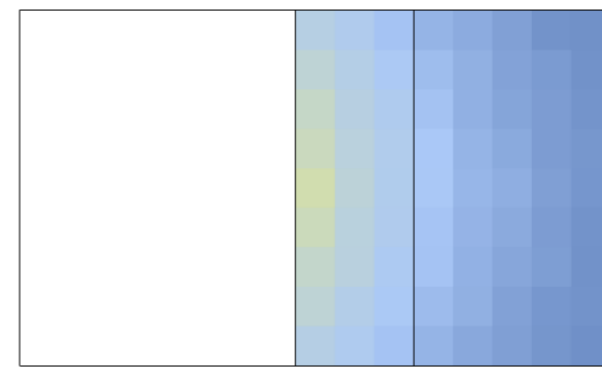
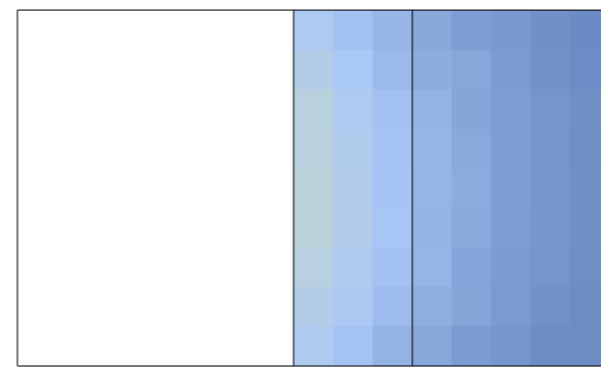
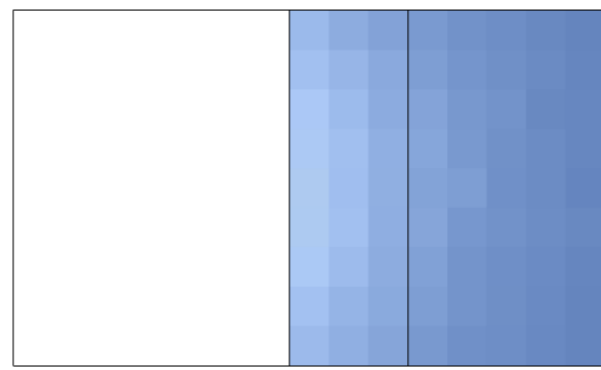
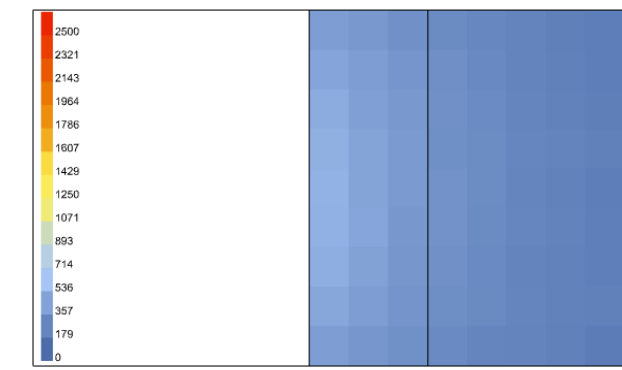
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



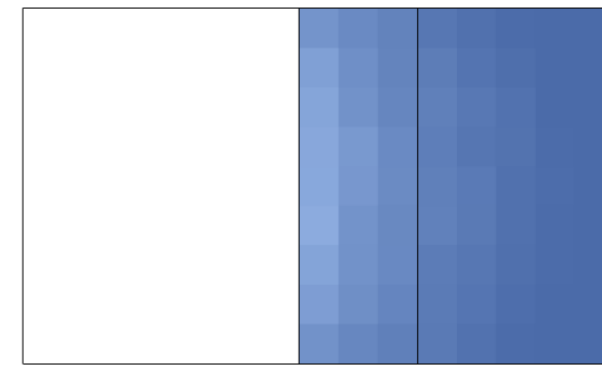
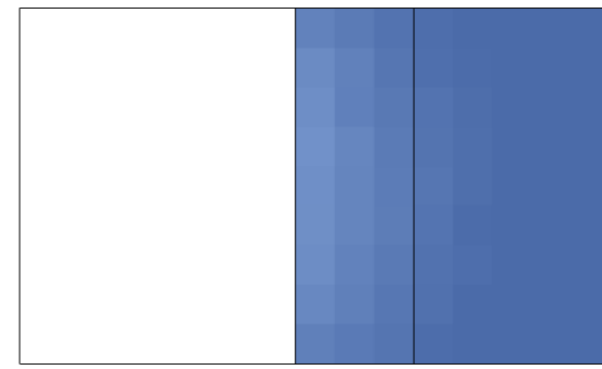
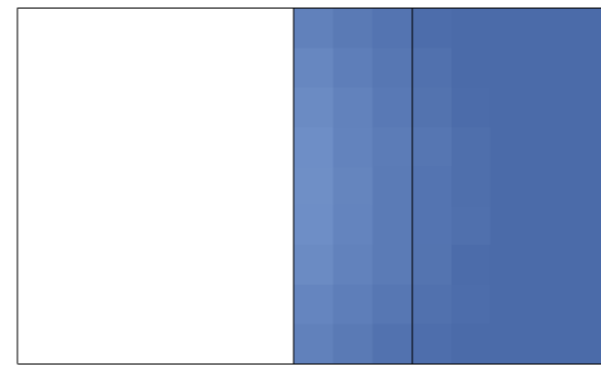
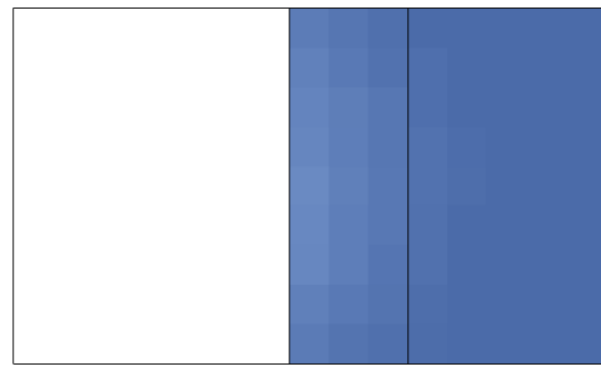
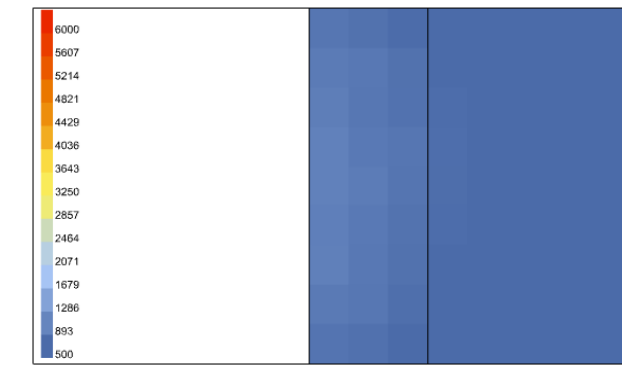
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



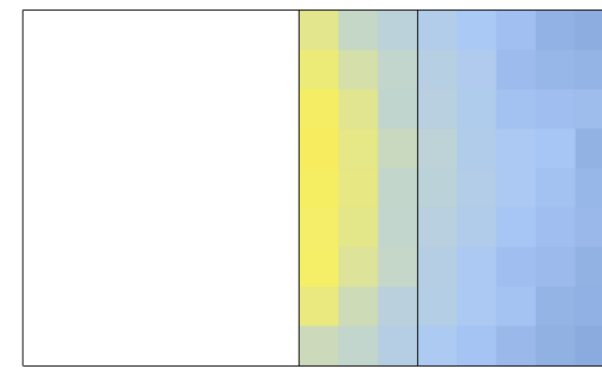
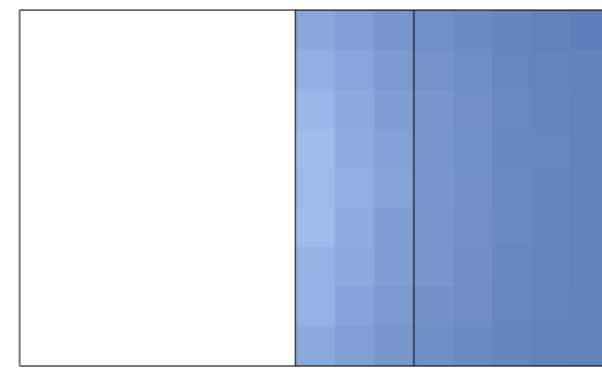
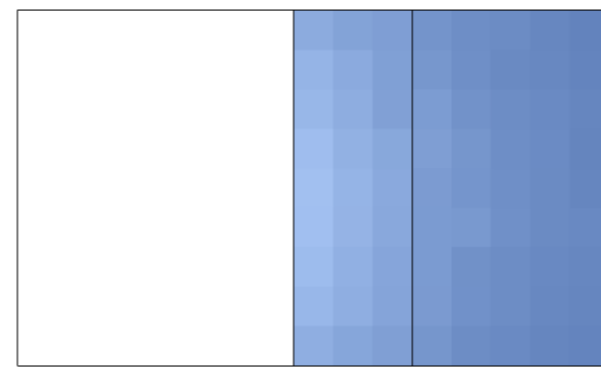
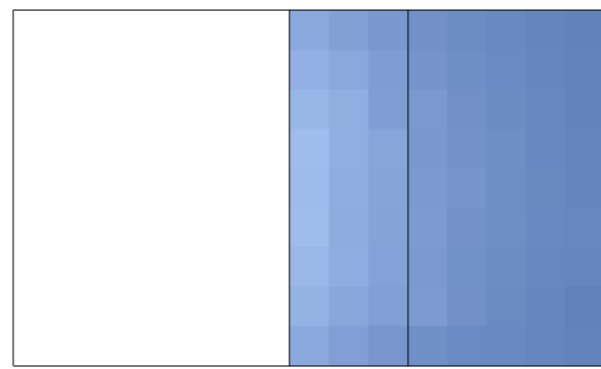
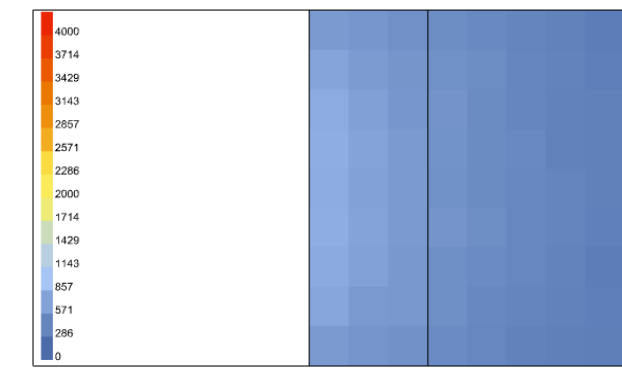
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



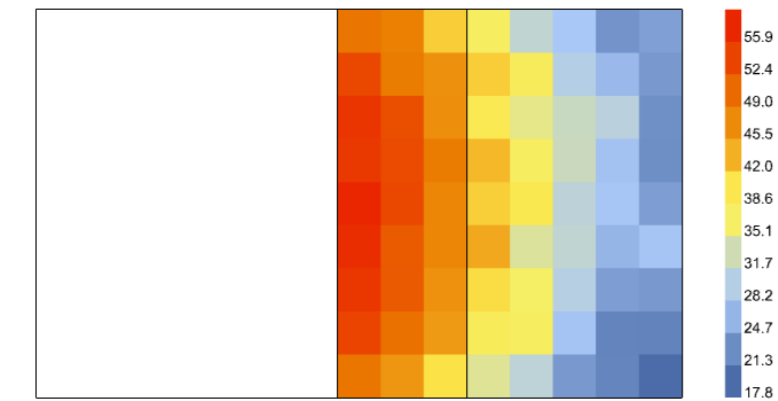
104 ANALISI ILLUMINOTECNICHE
CP2.1



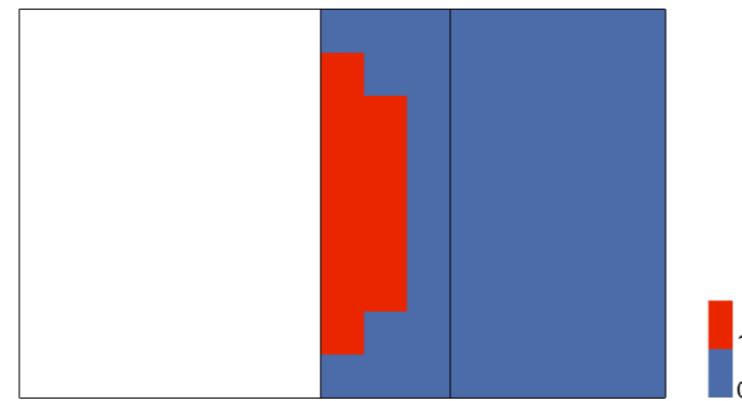
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

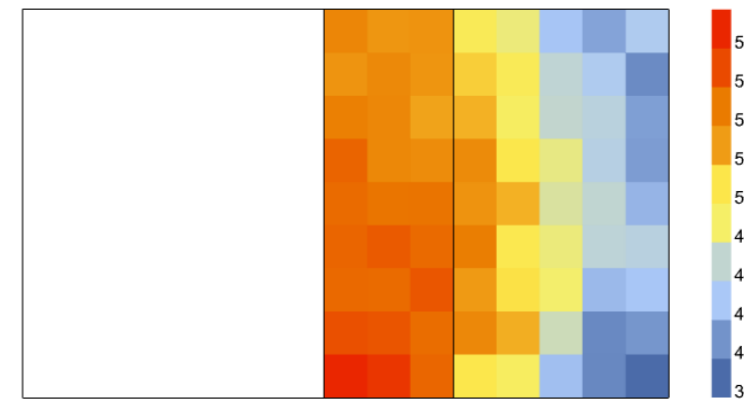
1. Daylight Autonomy (DA) - [%]



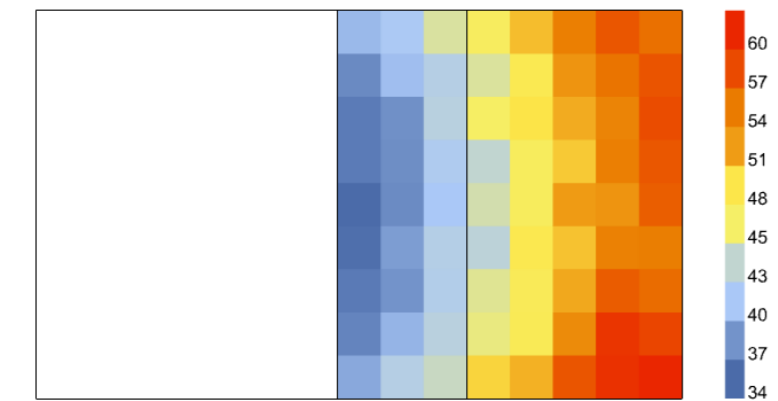
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



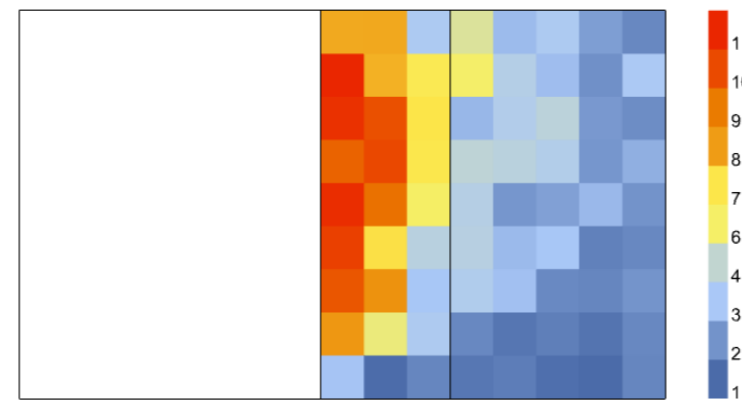
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

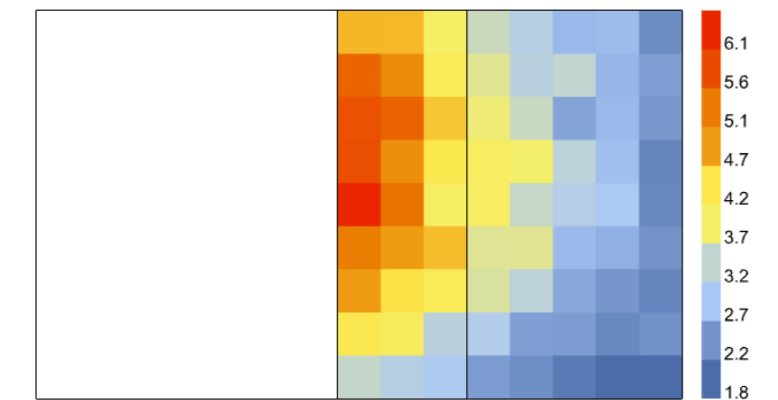


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

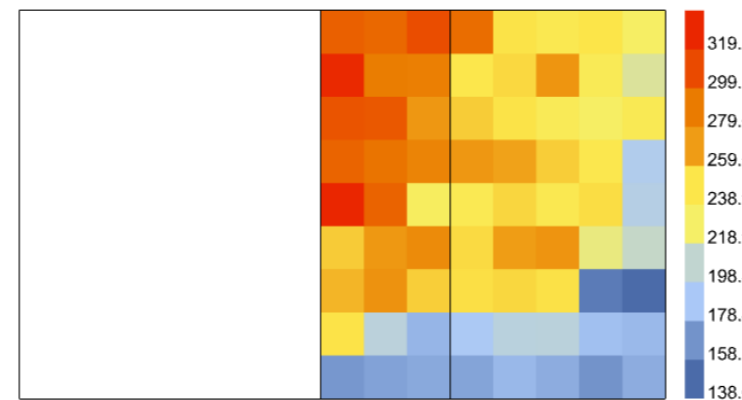


Annual Irradiance

1. Average Irradiance - [W/m²]

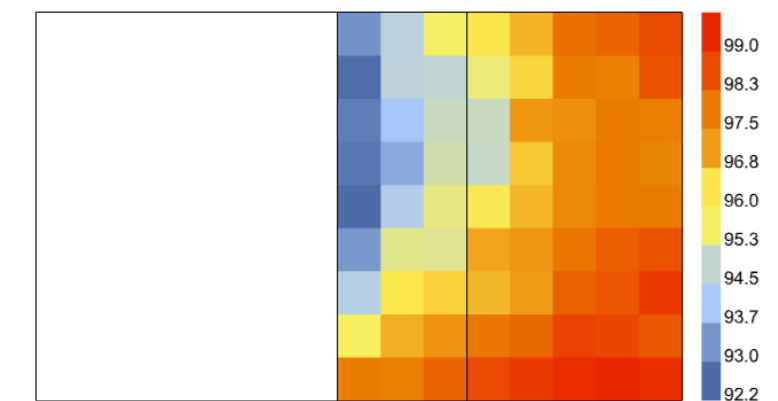


2. Peak Irradiance - [W/m²]



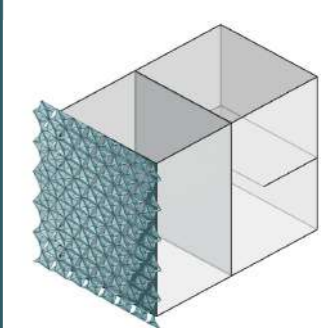
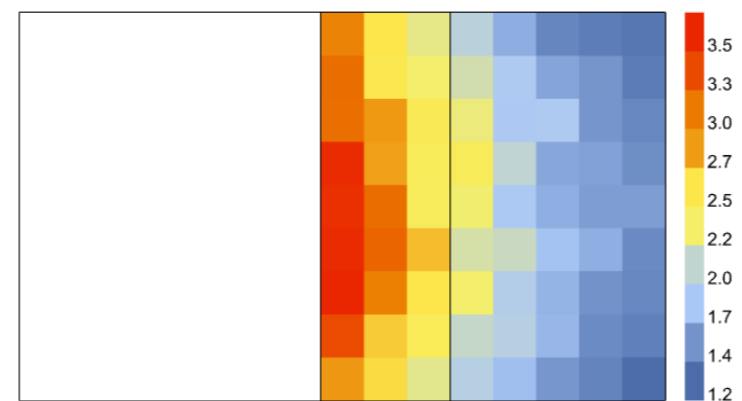
Annual Glare

1. Glare Autonomy (GA) - [%]

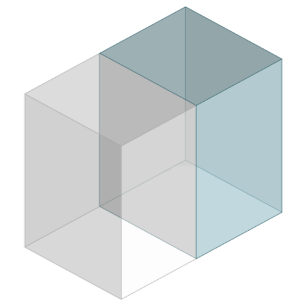


Daylight Factor

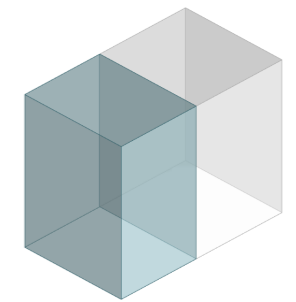
[%]



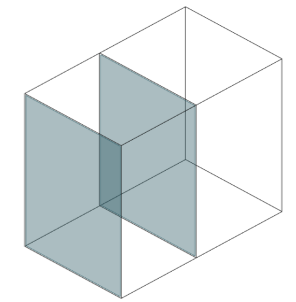
1. Modello Rhino



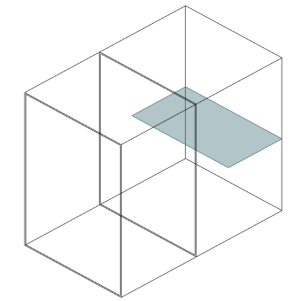
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



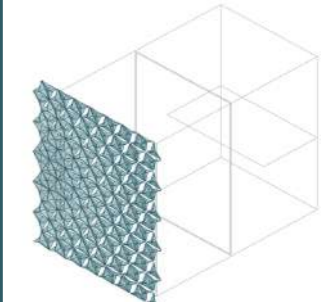
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,7
Distanza = 0,50 cm
Aperto verso Nord

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

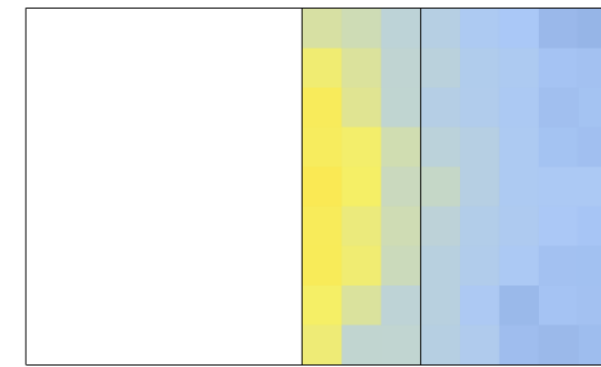
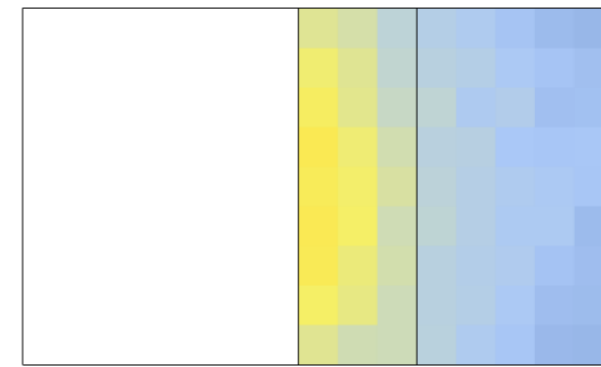
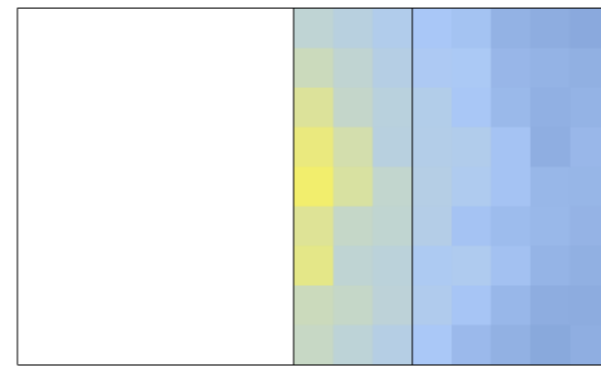
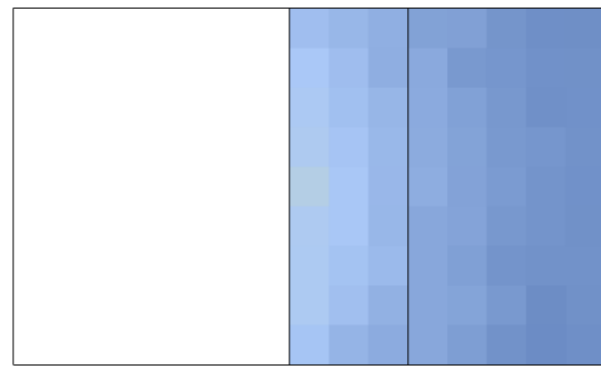
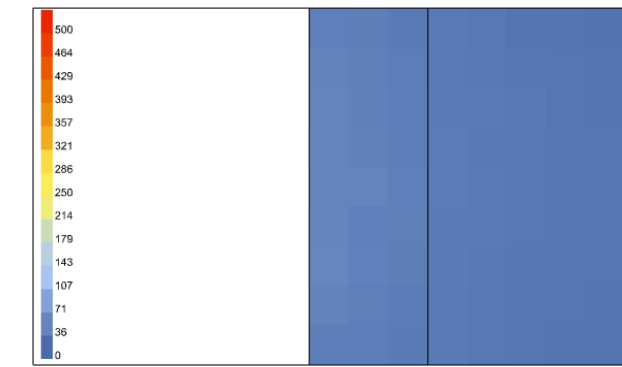
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



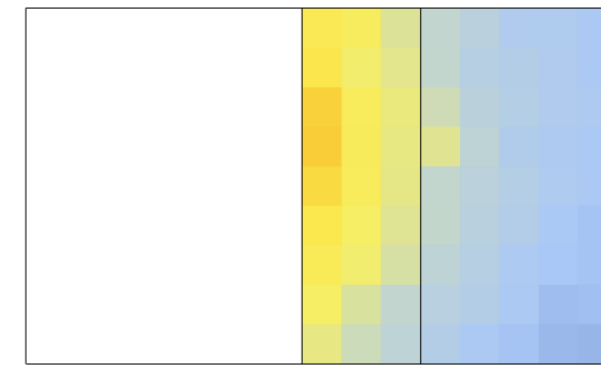
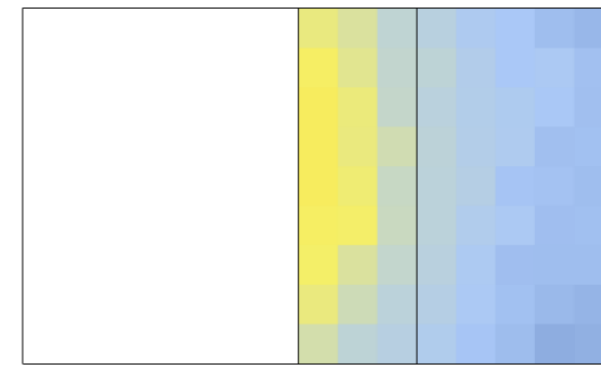
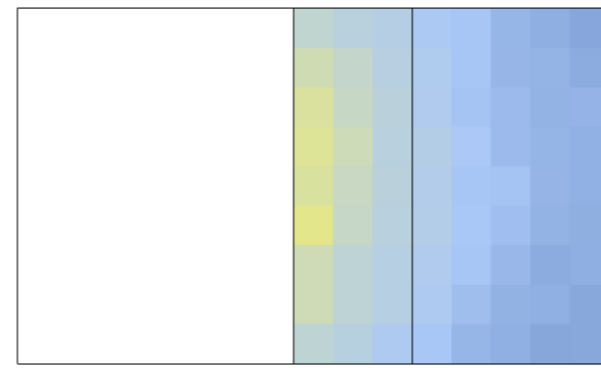
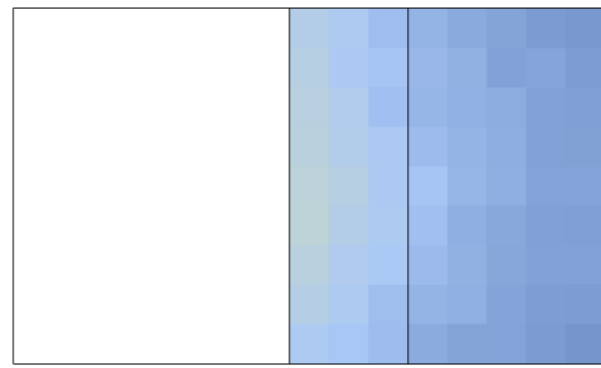
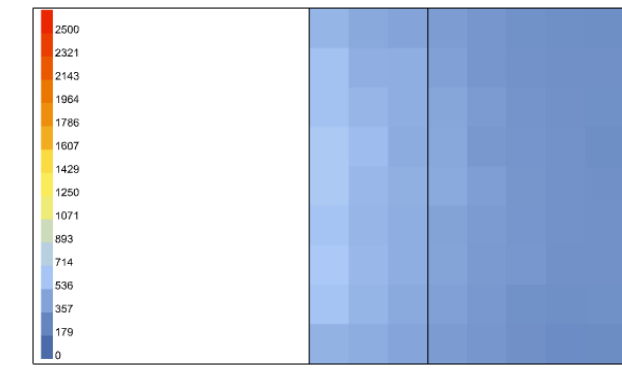
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



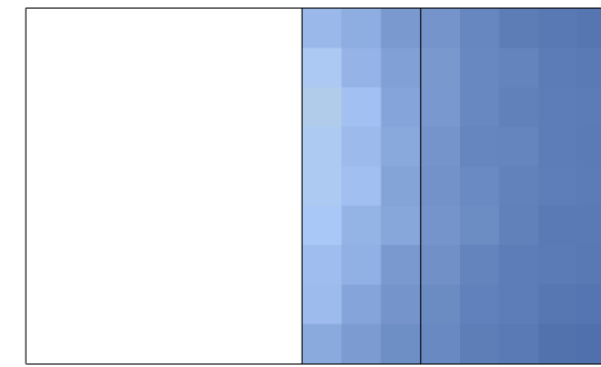
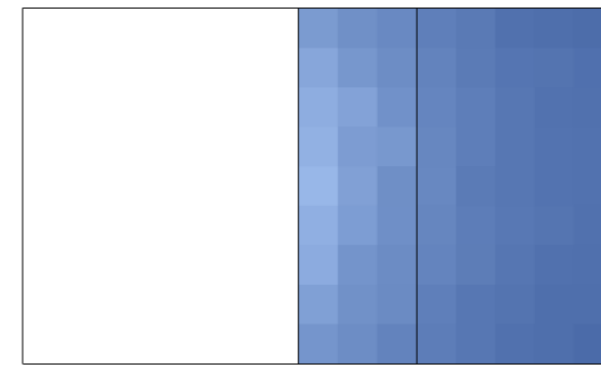
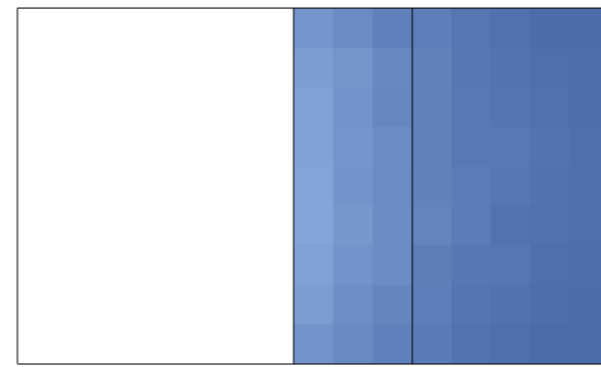
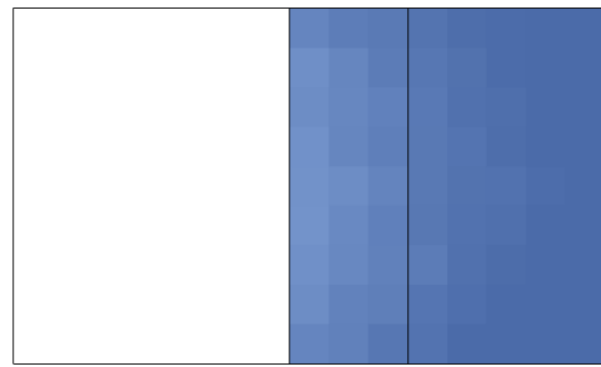
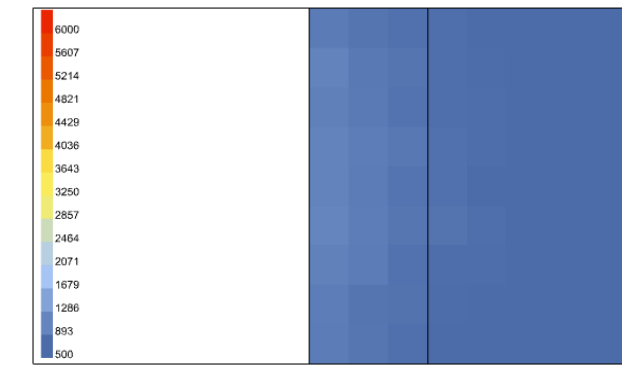
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



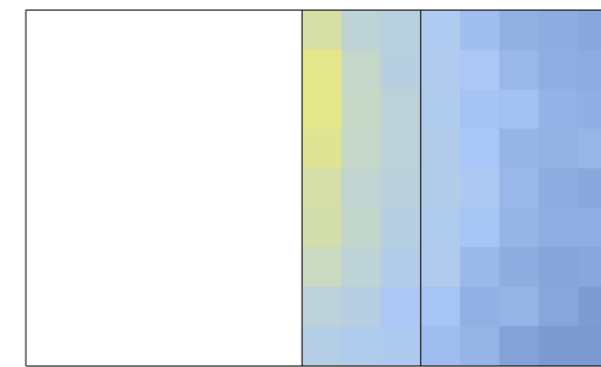
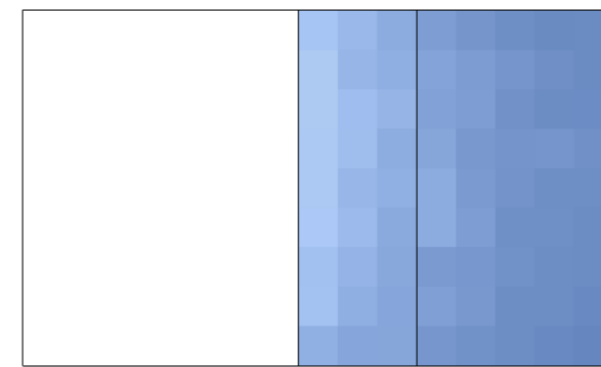
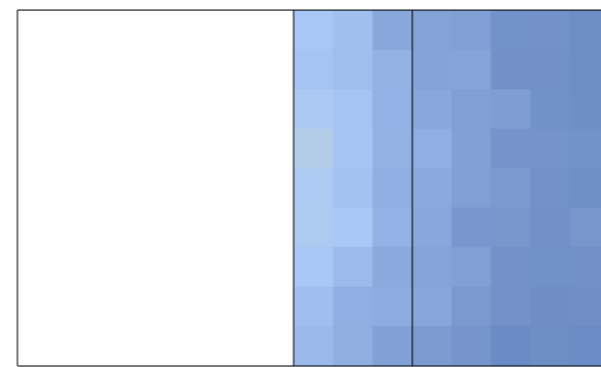
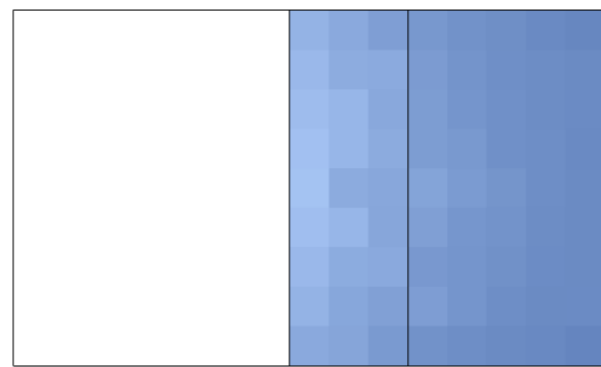
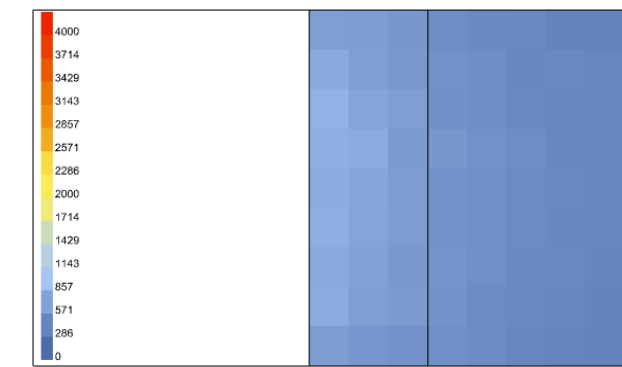
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



107 ANALISI ILLUMINOTECNICHE
CP3.1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

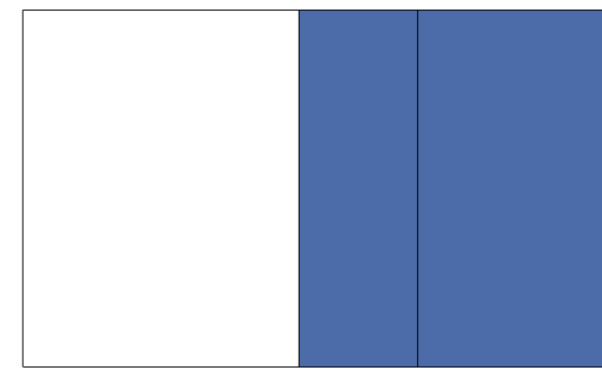
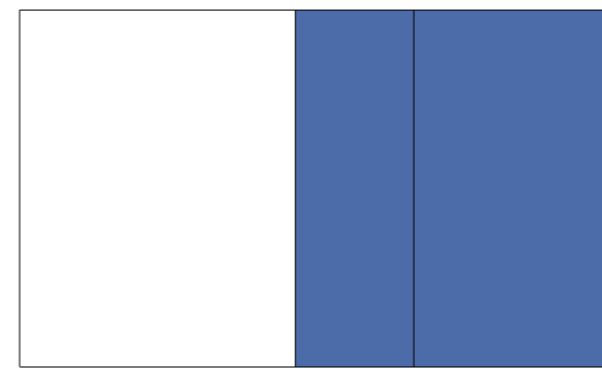
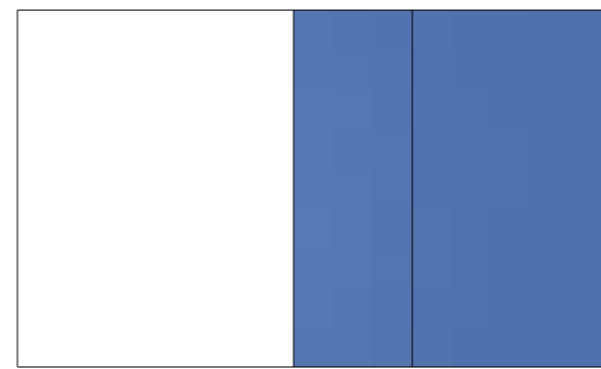
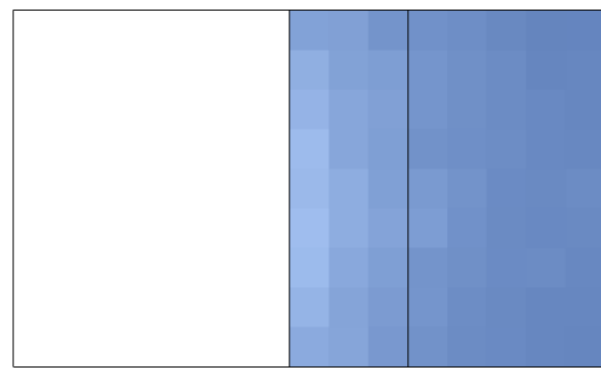
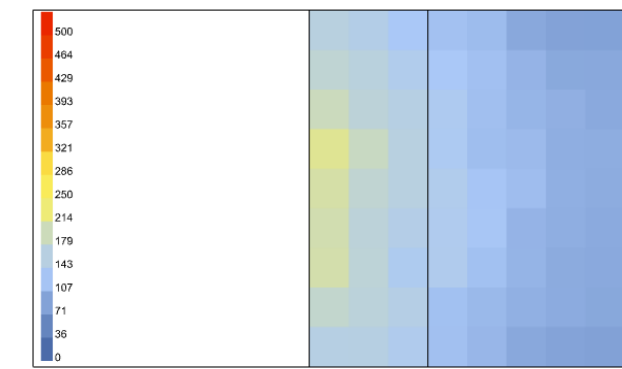
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



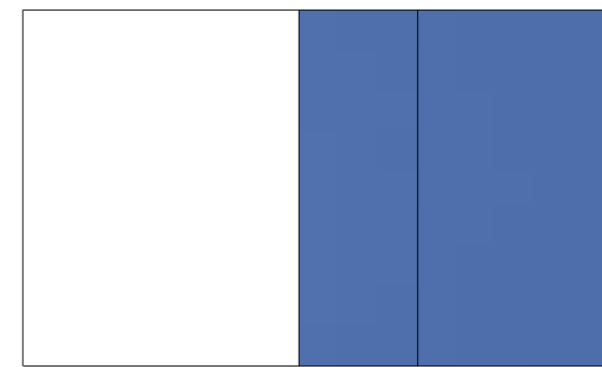
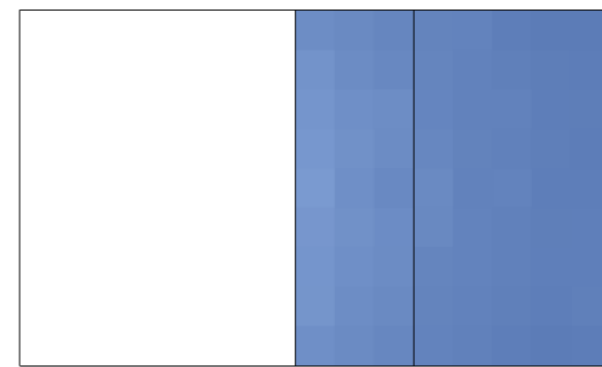
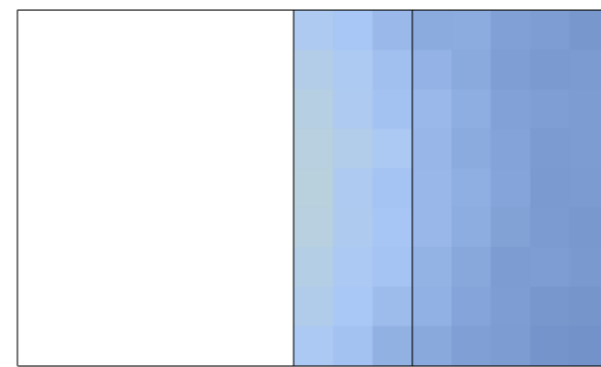
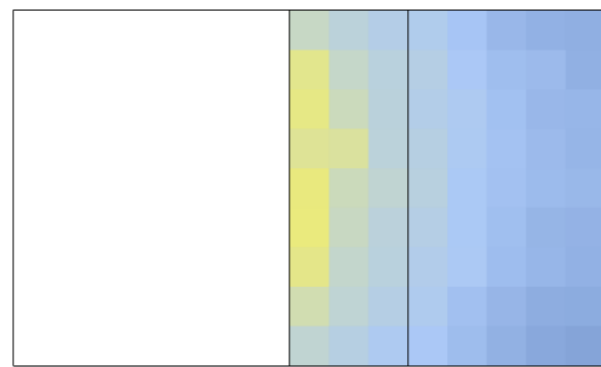
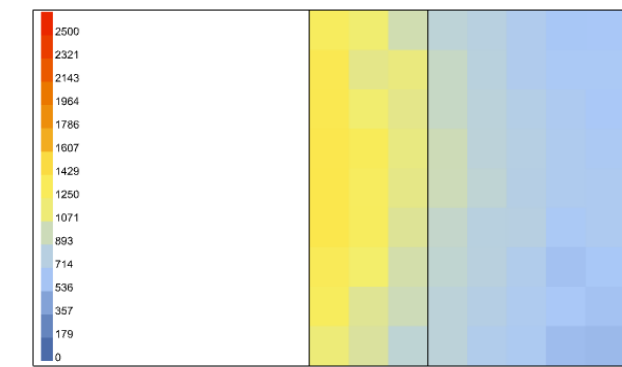
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



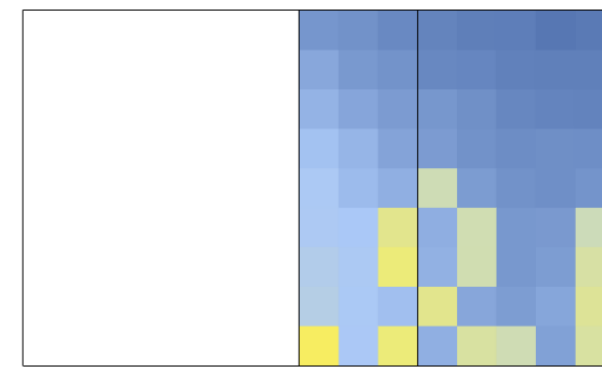
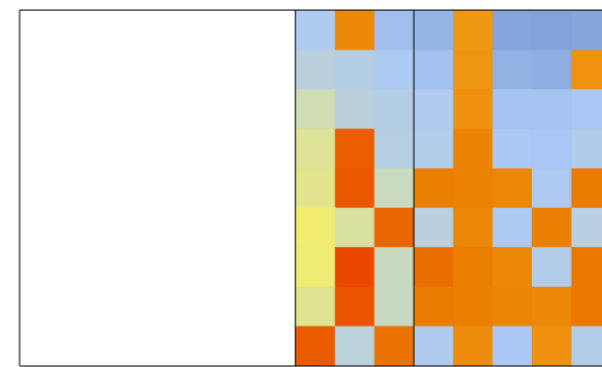
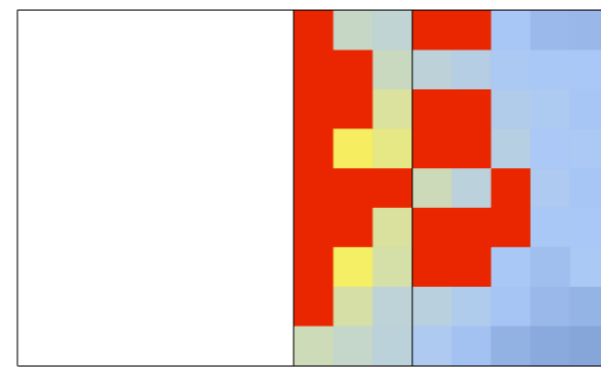
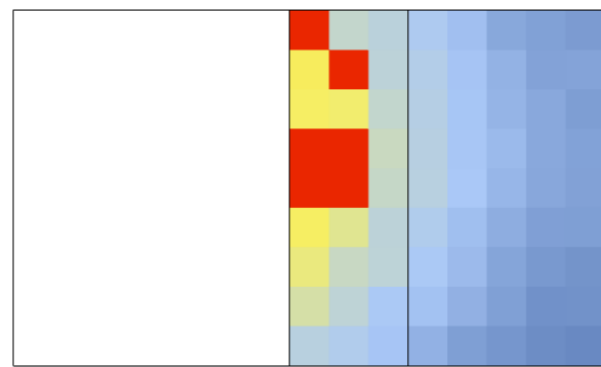
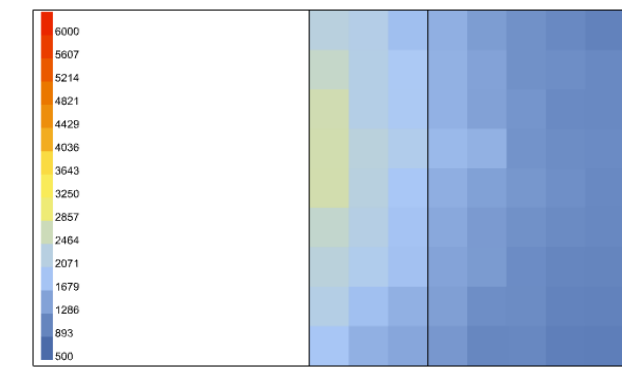
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



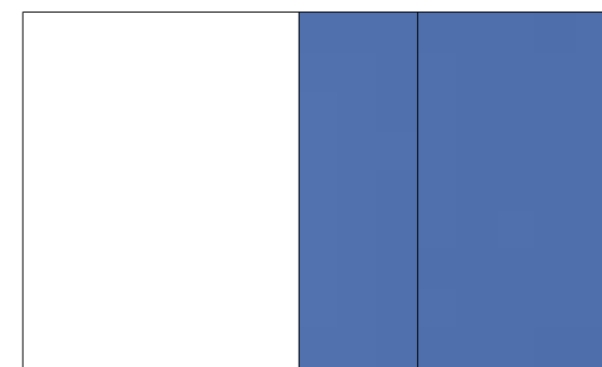
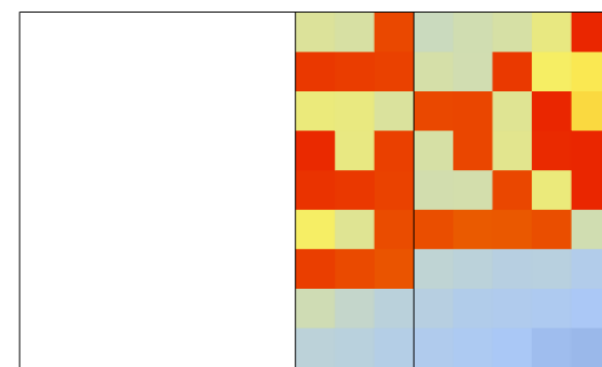
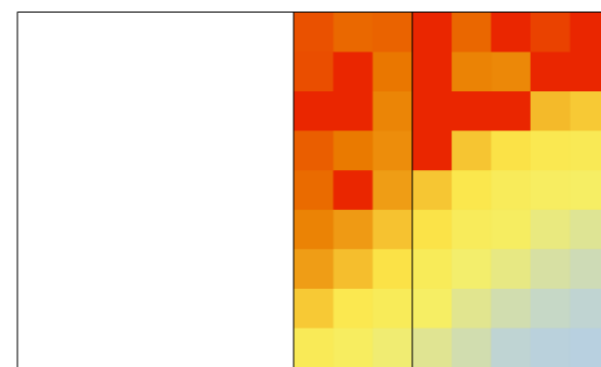
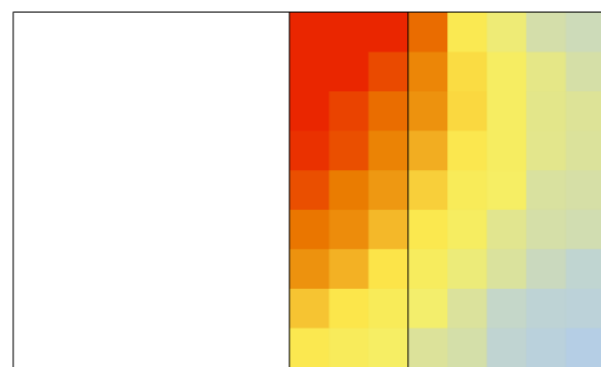
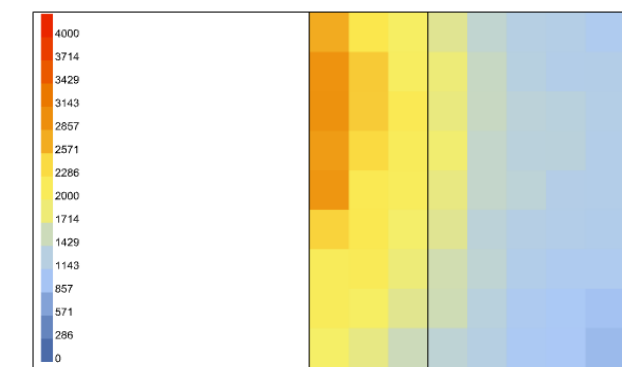
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



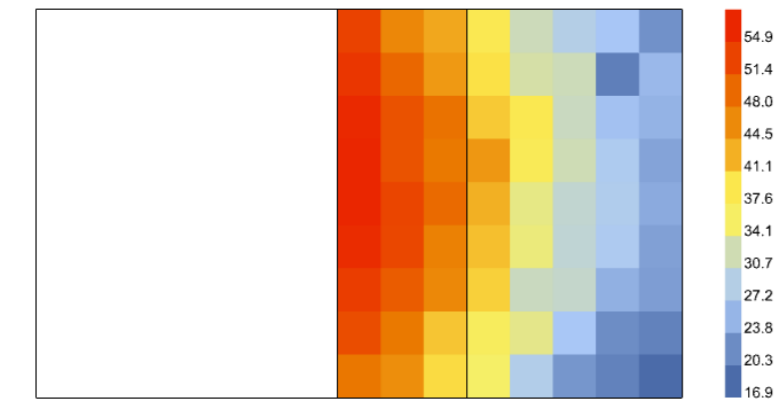
108 ANALISI ILLUMINOTECNICHE
CP3.1



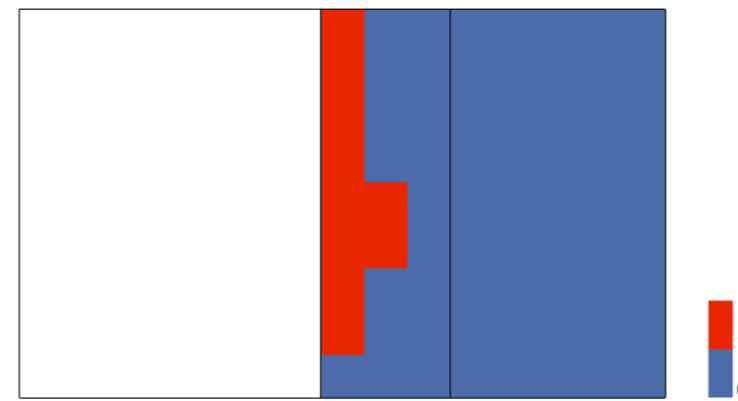
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

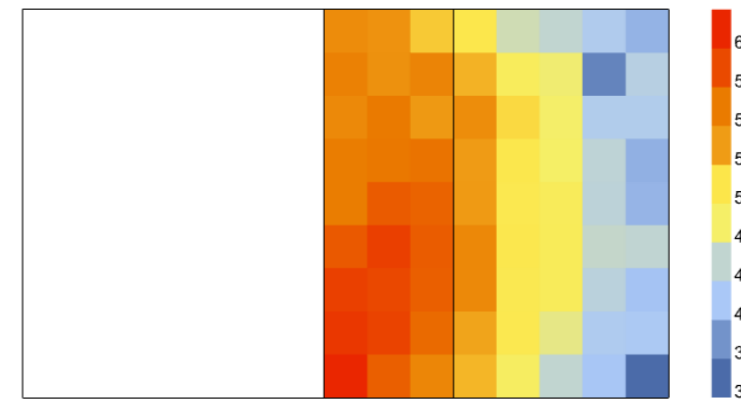
1. Daylight Autonomy (DA) - [%]



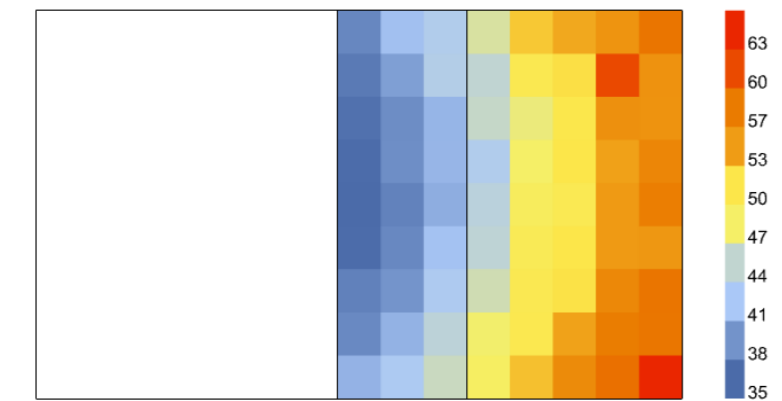
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



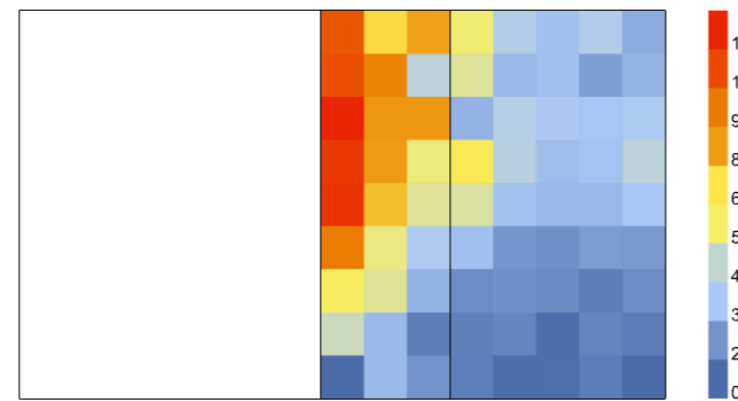
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

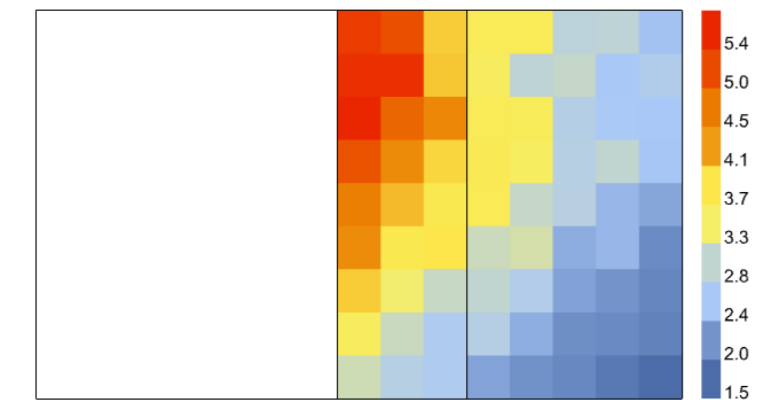


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

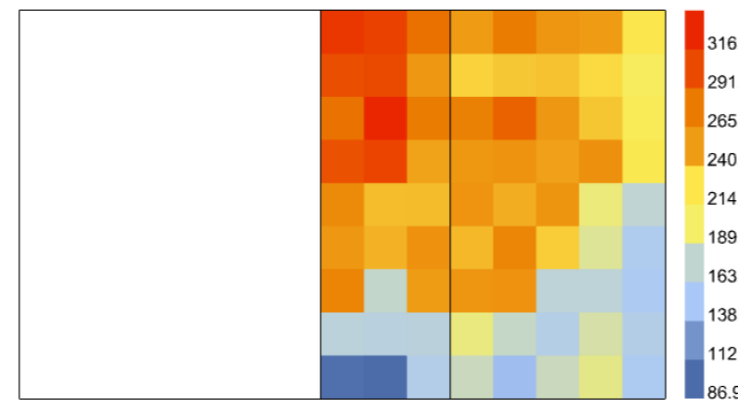


Annual Irradiance

1. Average Irradiance - [W/m²]

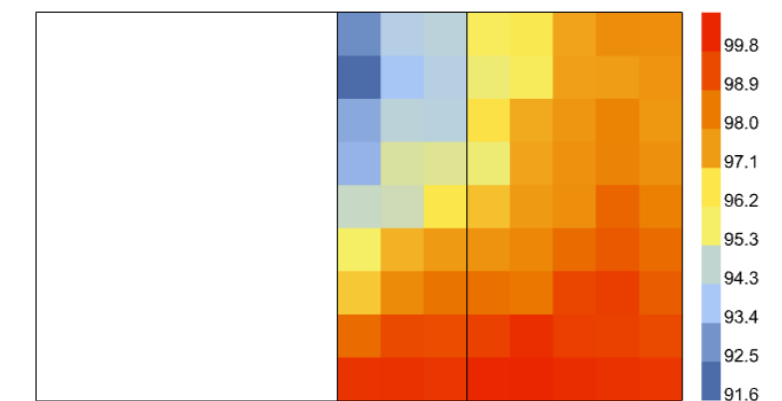


2. Peak Irradiance - [W/m²]



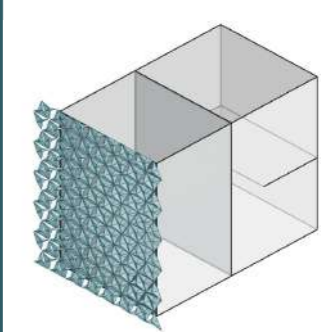
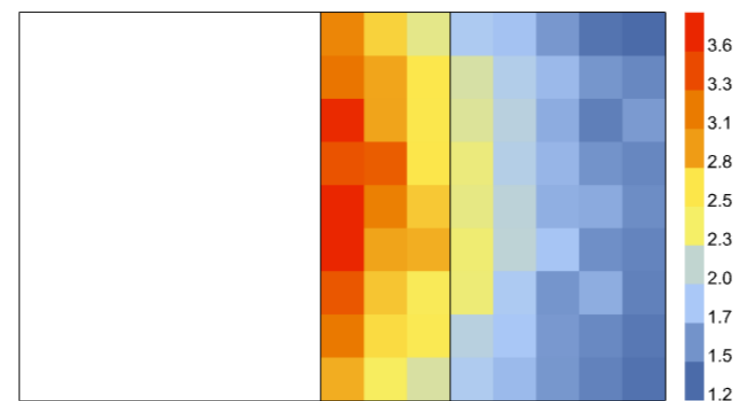
Annual Glare

1. Glare Autonomy (GA) - [%]

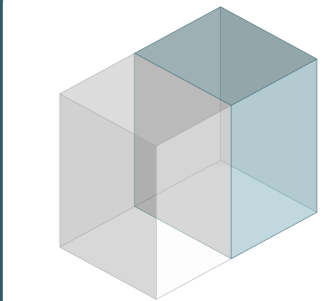


Daylight Factor

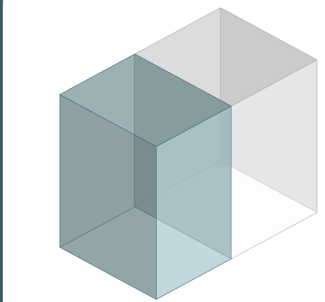
[%]



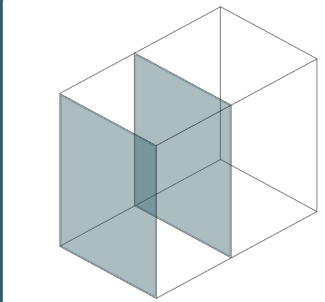
1. Modello Rhino



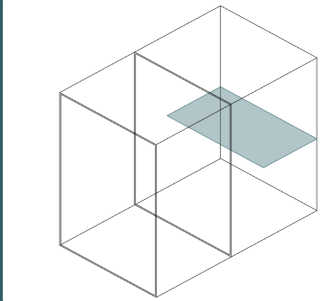
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



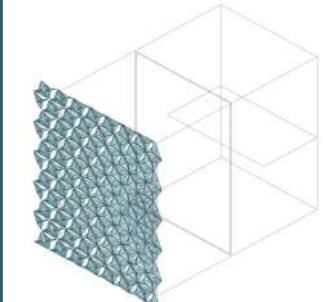
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,7
Distanza = 0,50 cm
Aperto verso Sud

109 ANALISI ILLUMINOTECNICHE
CP4.1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

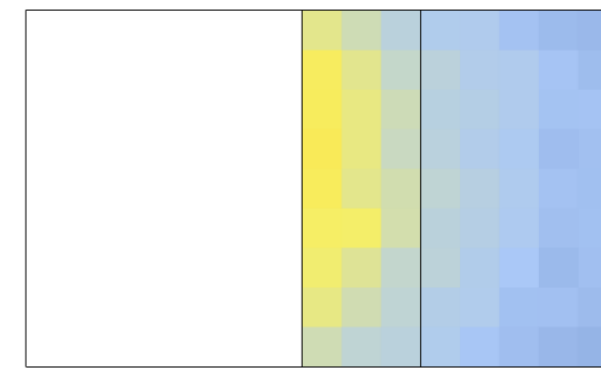
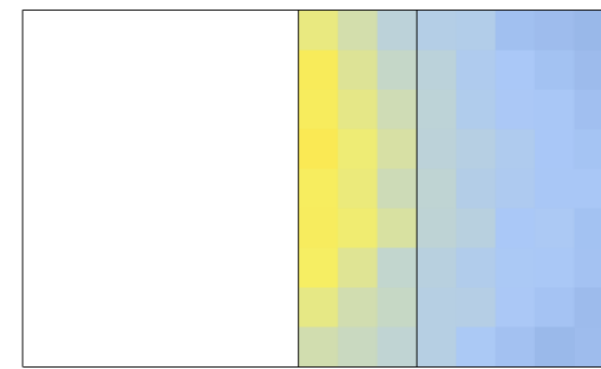
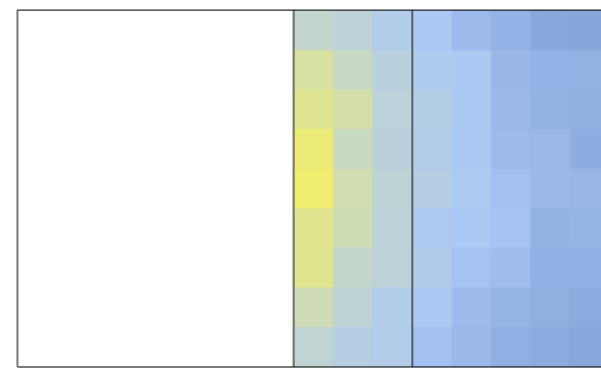
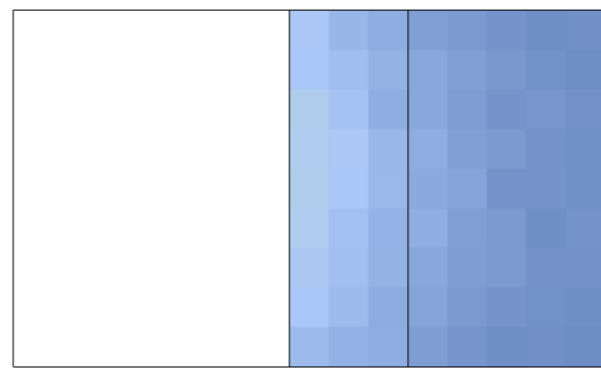
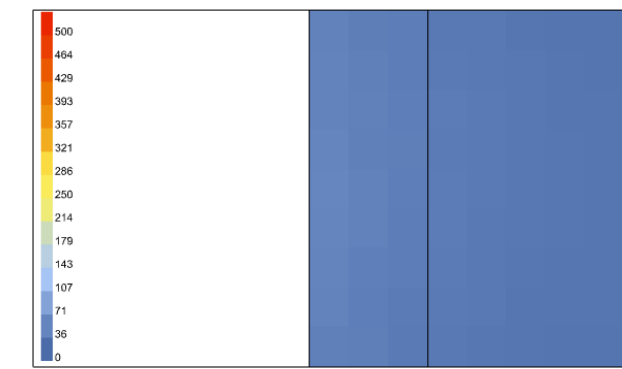
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



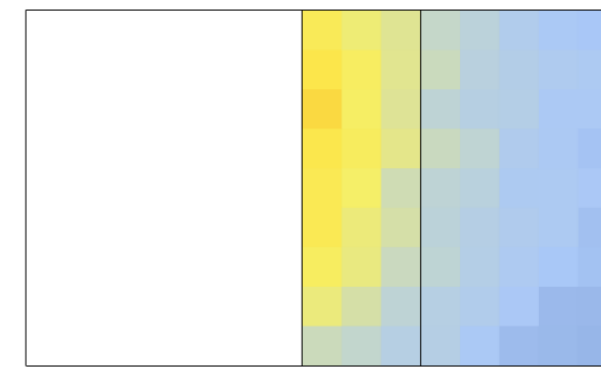
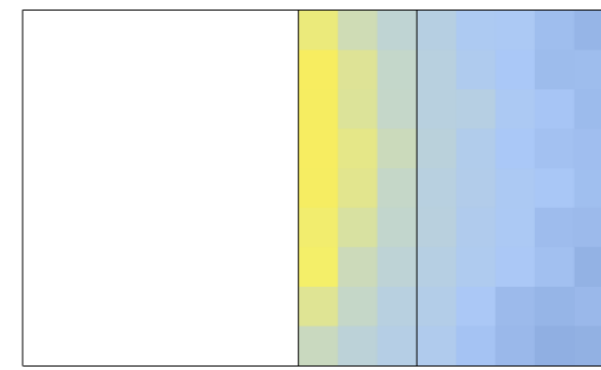
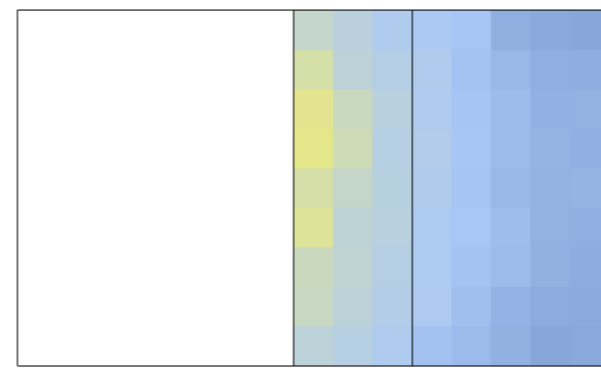
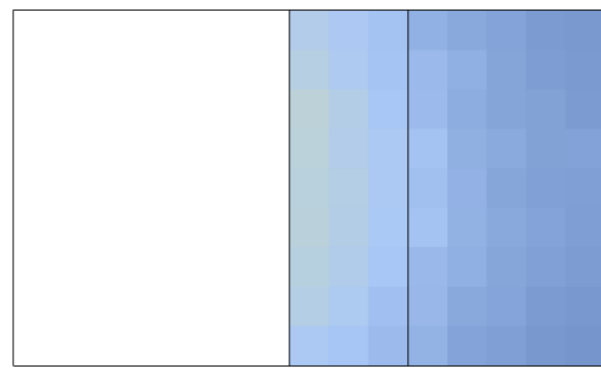
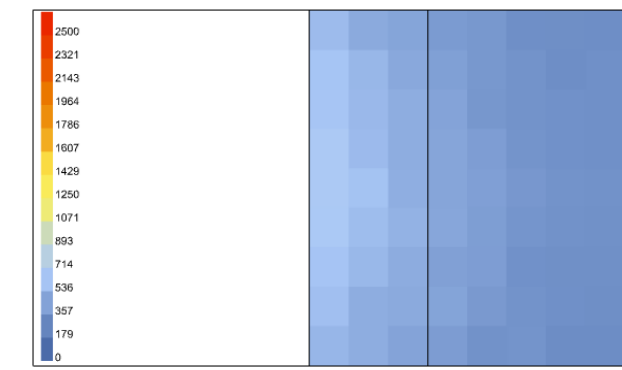
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



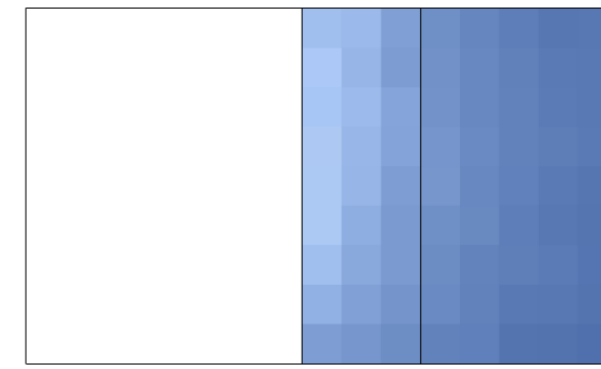
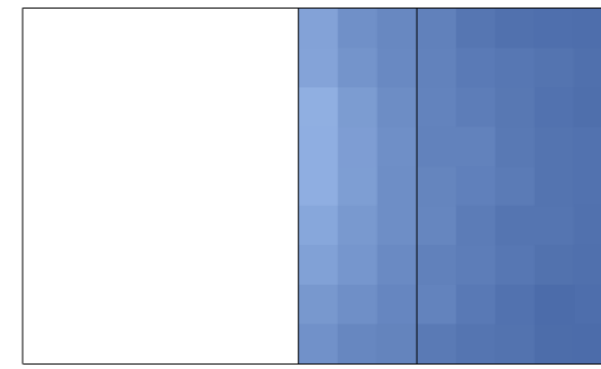
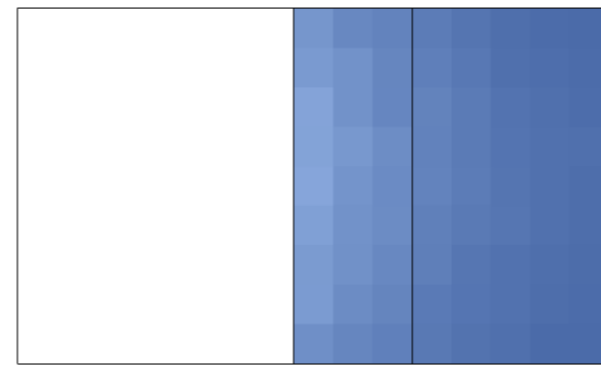
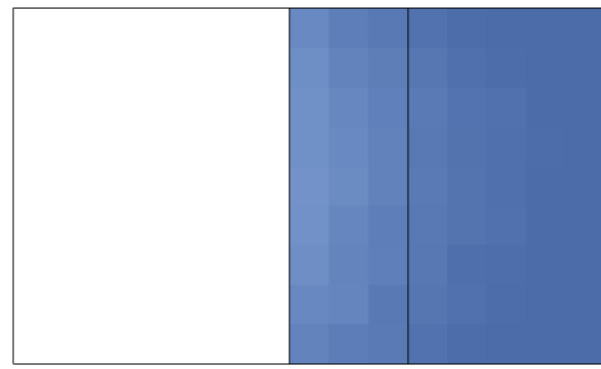
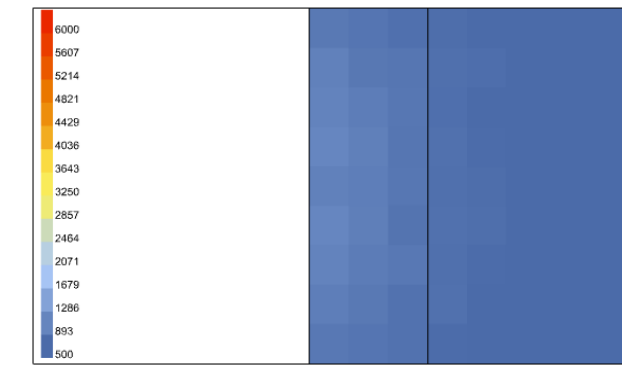
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



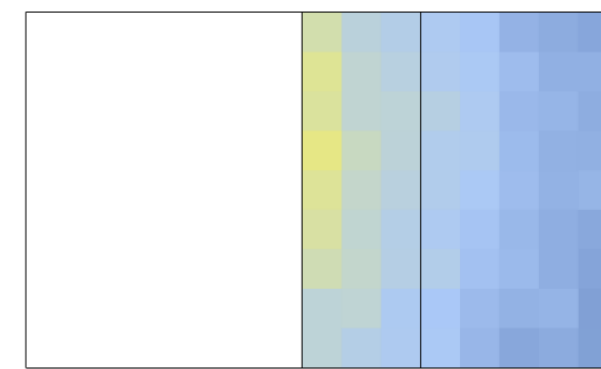
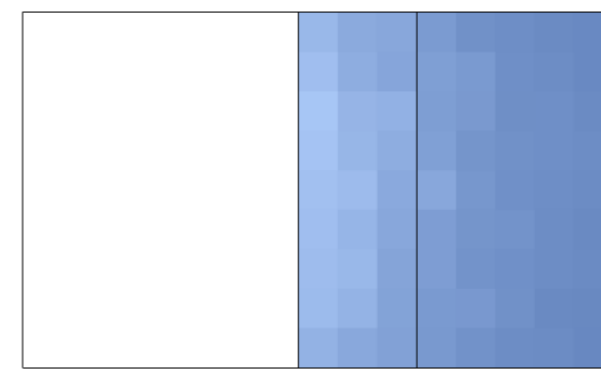
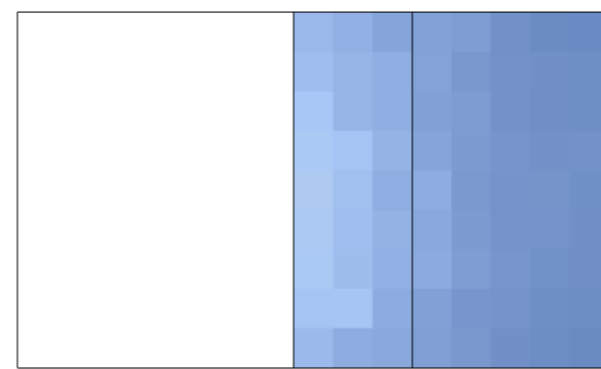
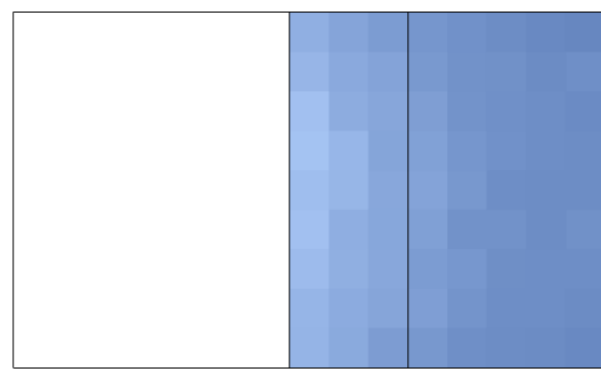
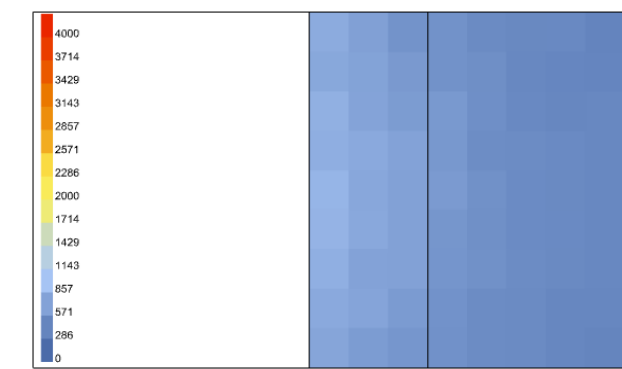
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



110 ANALISI ILLUMINOTECNICHE
CP4.1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

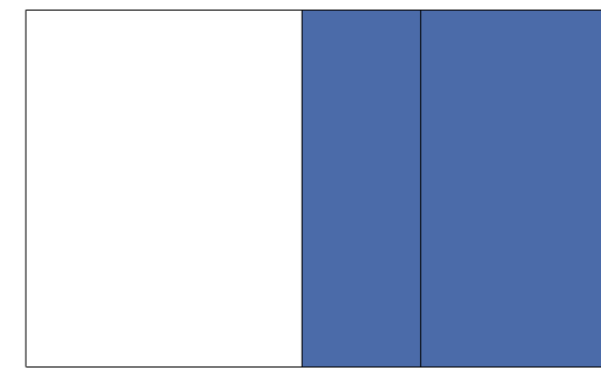
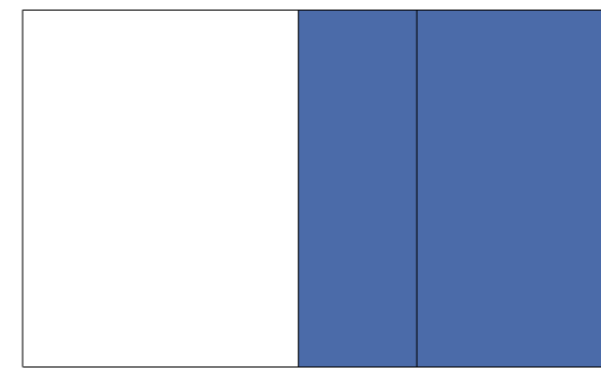
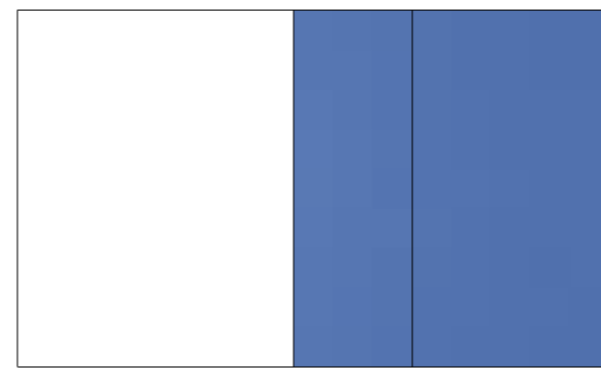
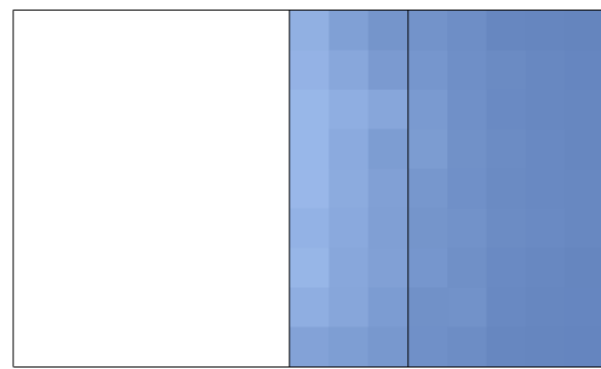
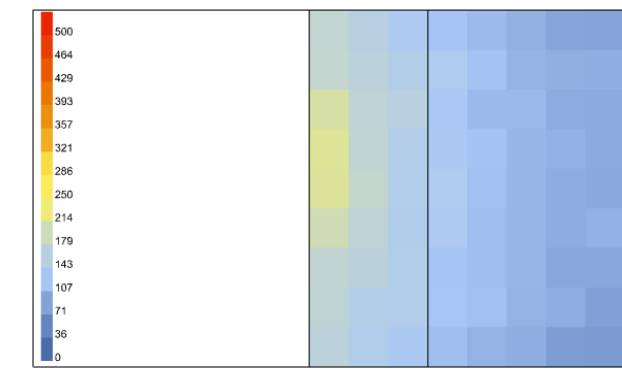
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



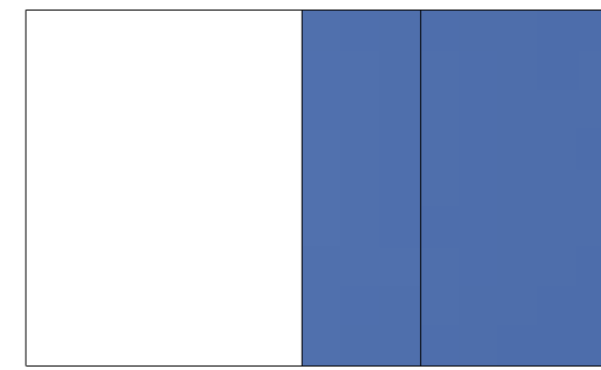
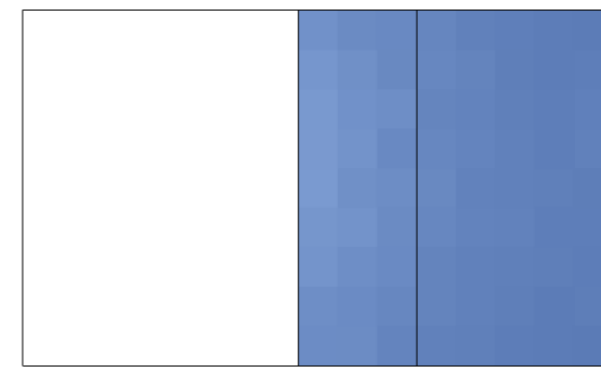
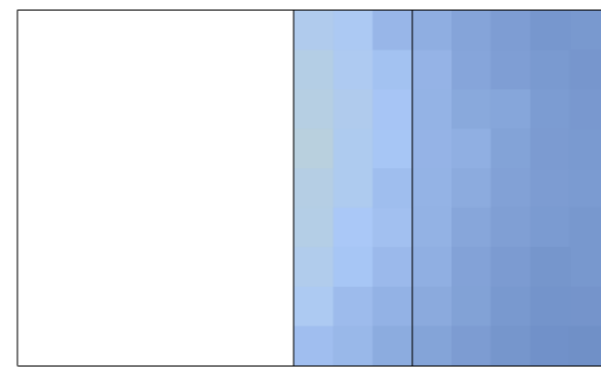
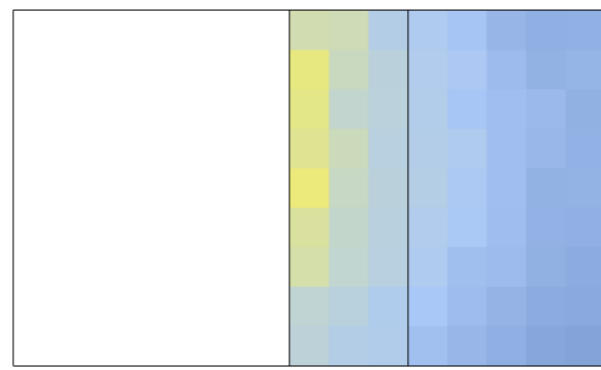
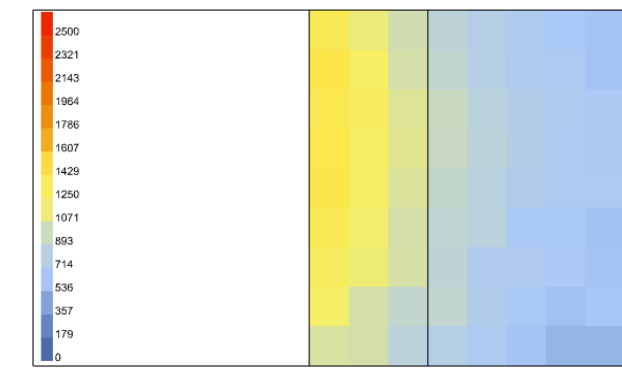
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



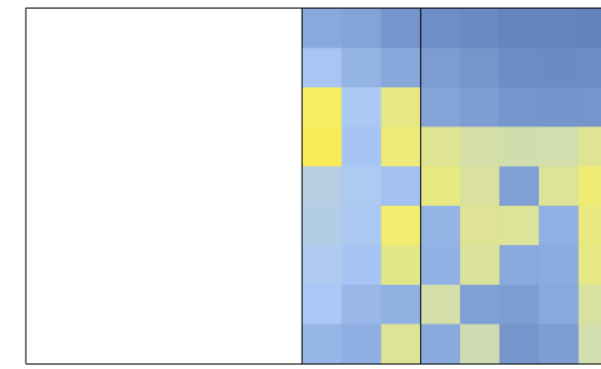
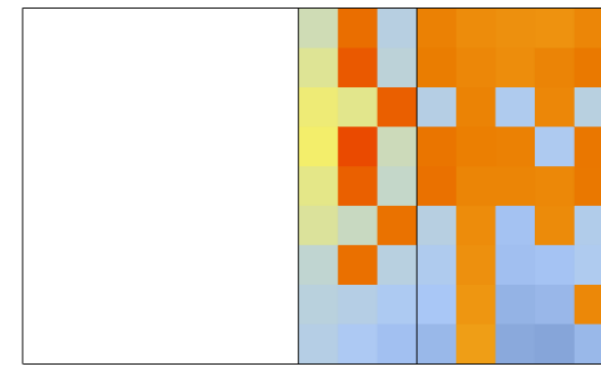
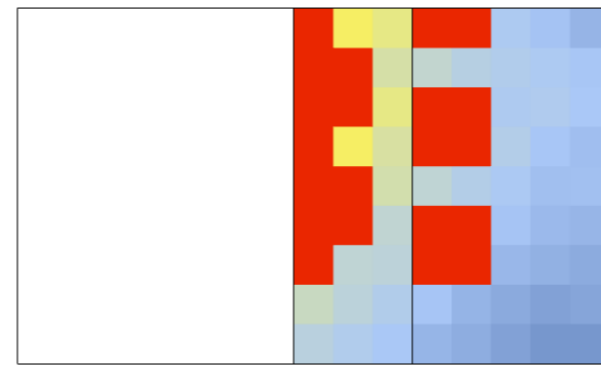
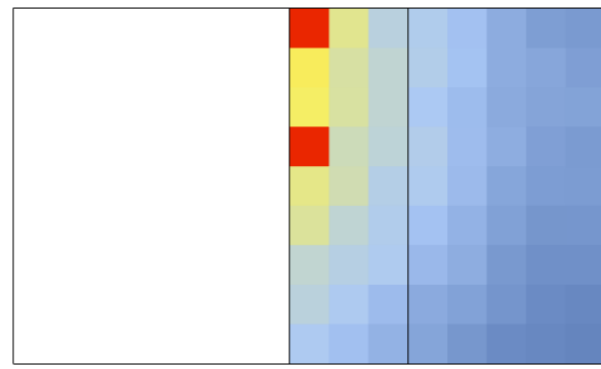
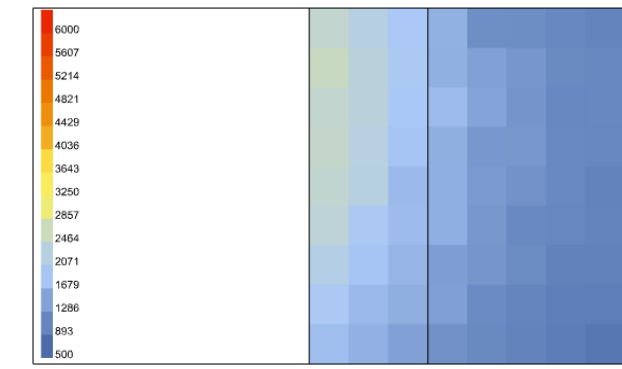
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



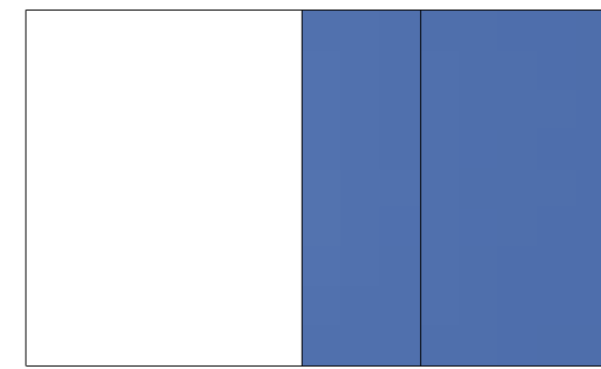
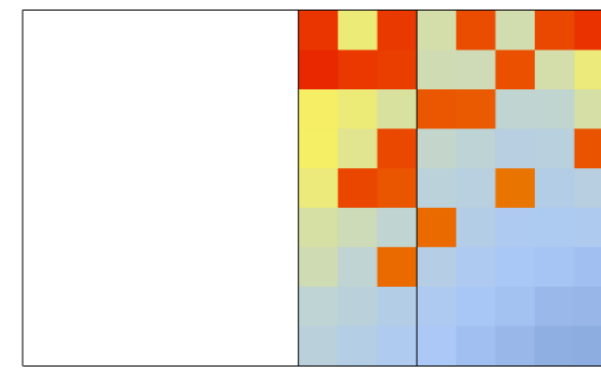
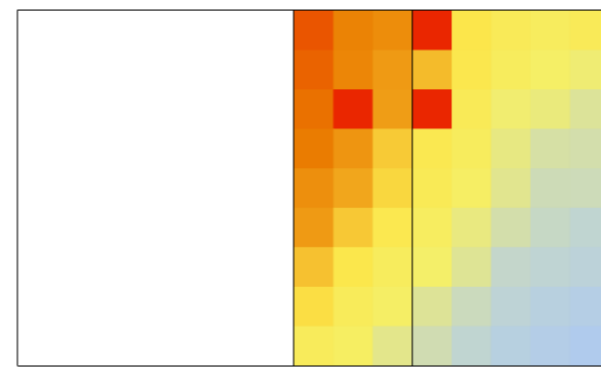
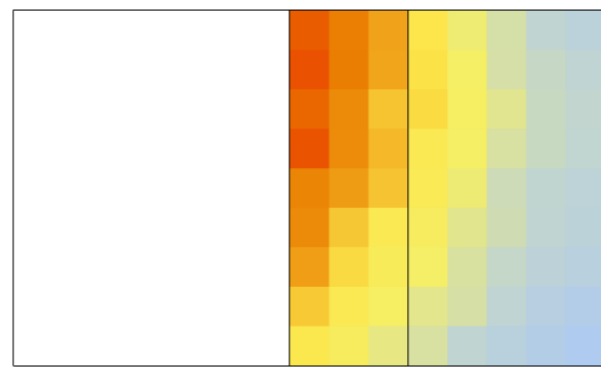
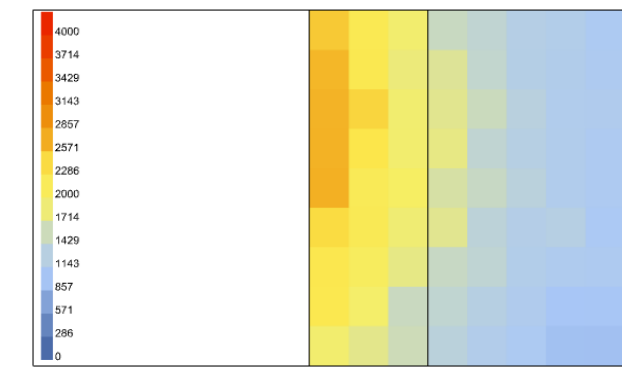
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



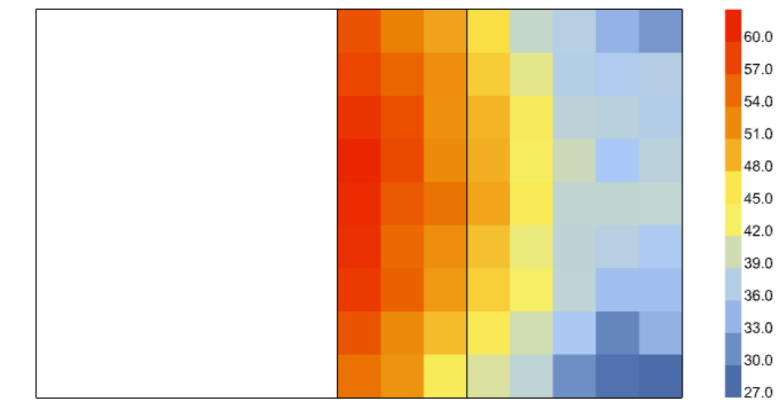
111 ANALISI ILLUMINOTECNICHE
CP4.1



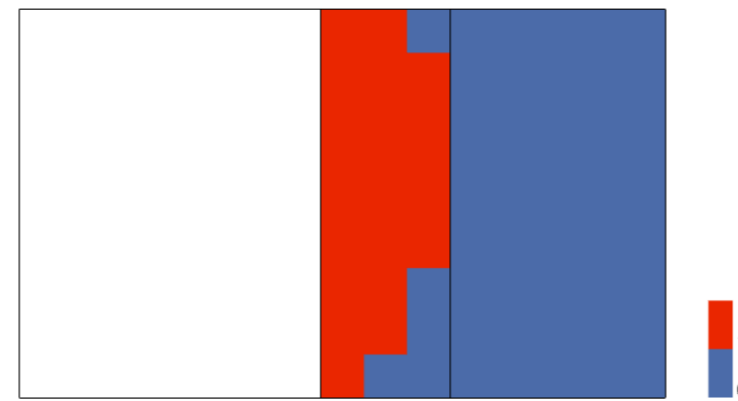
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

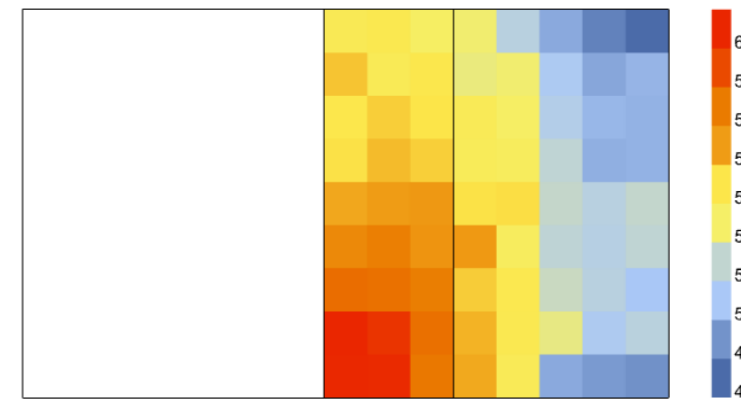
1. Daylight Autonomy (DA) - [%]



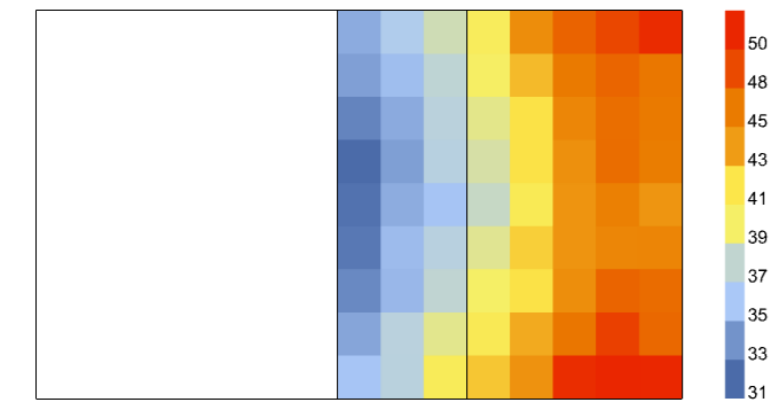
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



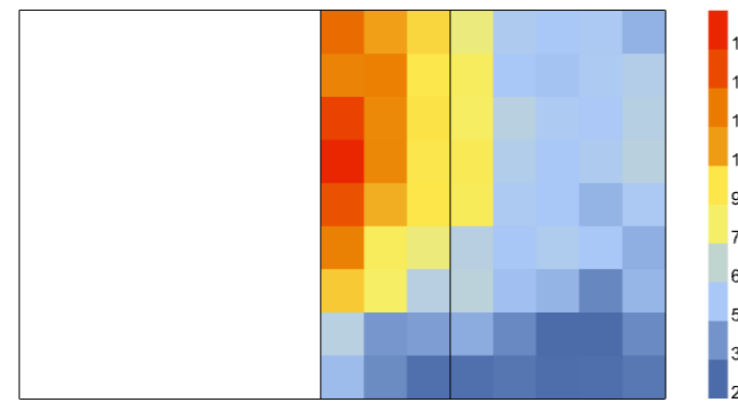
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

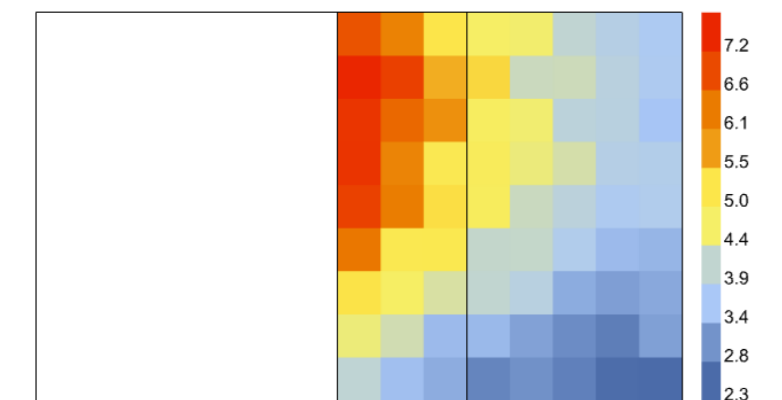


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

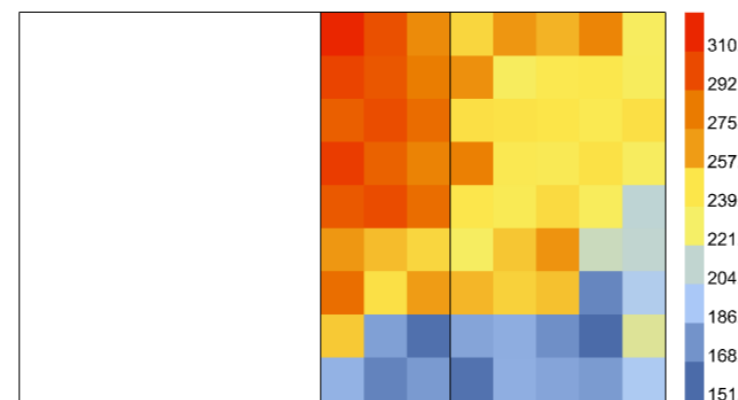


Annual Irradiance

1. Average Irradiance - [W/m²]

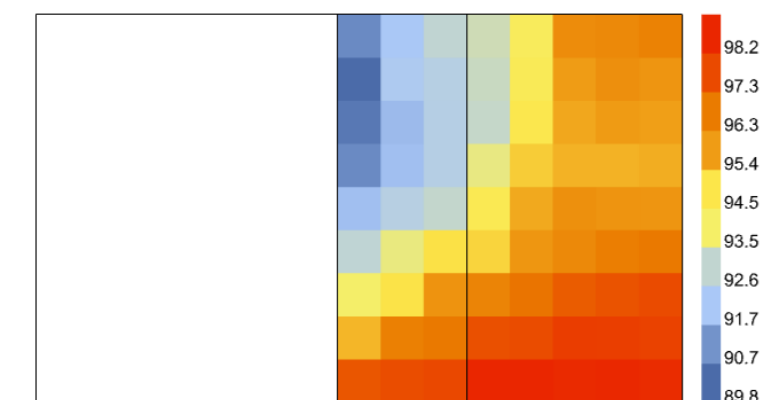


2. Peak Irradiance - [W/m²]



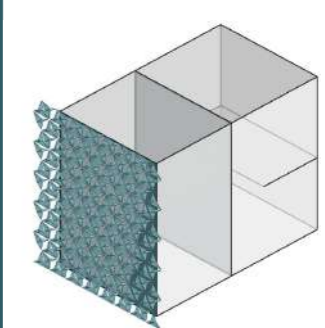
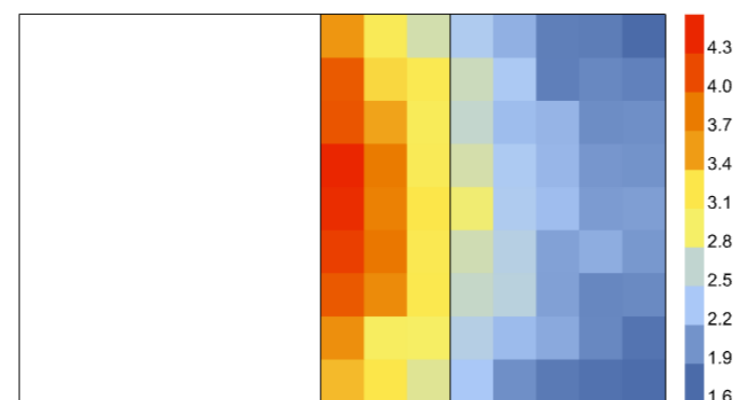
Annual Glare

1. Glare Autonomy (GA) - [%]

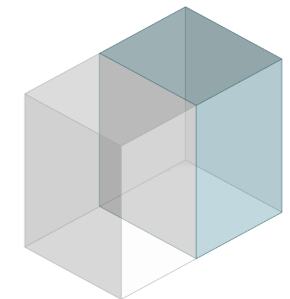


Daylight Factor

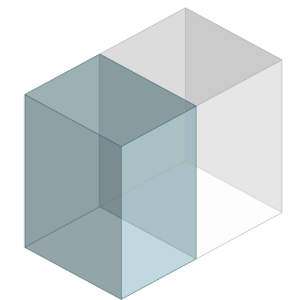
[%]



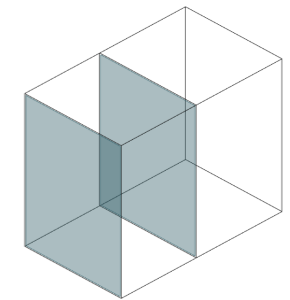
1. Modello Rhino



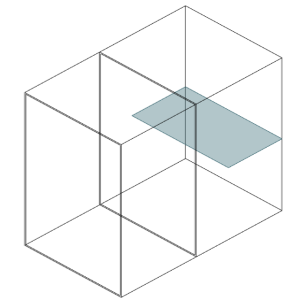
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



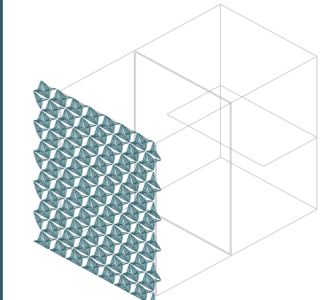
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,50 cm
Totalmente chiuso

112 ANALISI ILLUMINOTECNICHE
CP1.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

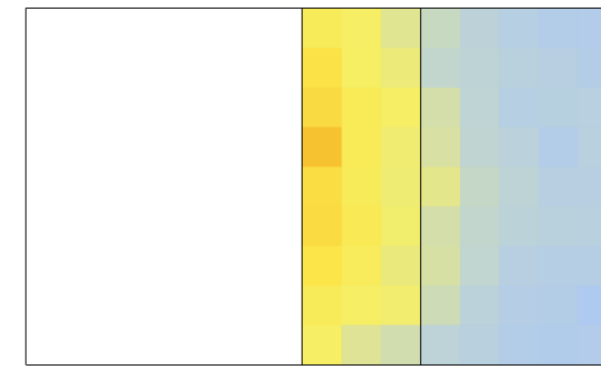
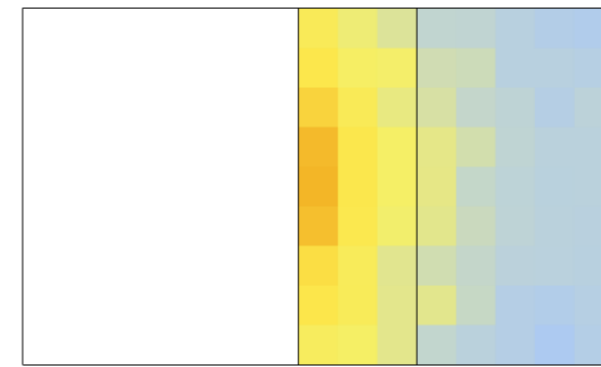
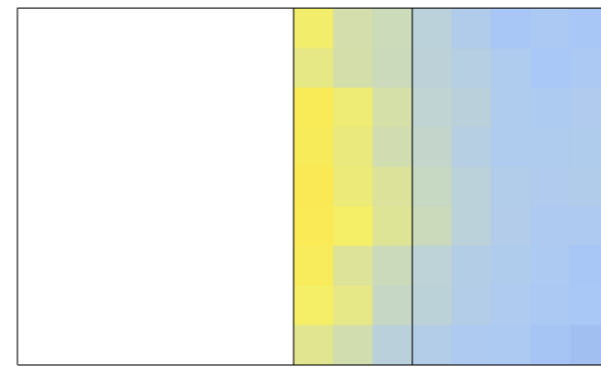
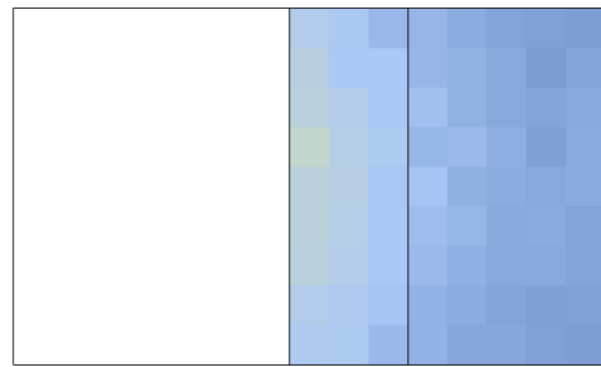
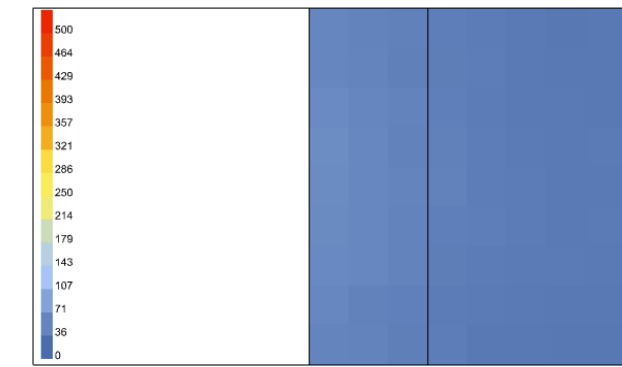
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



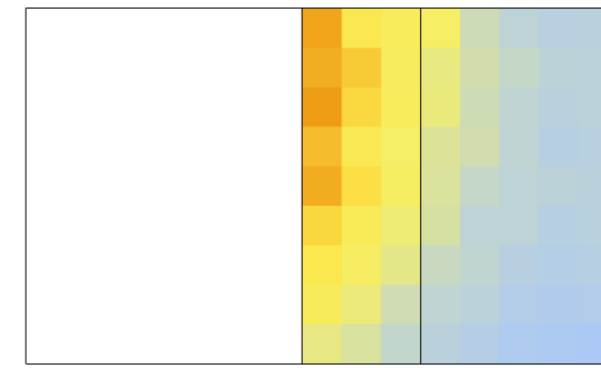
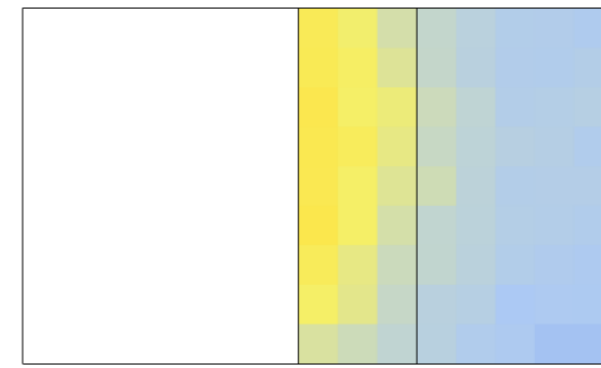
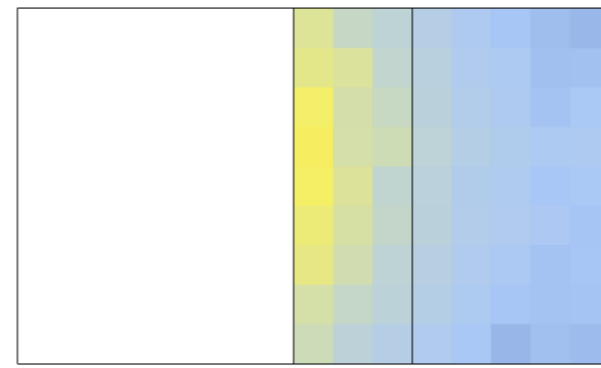
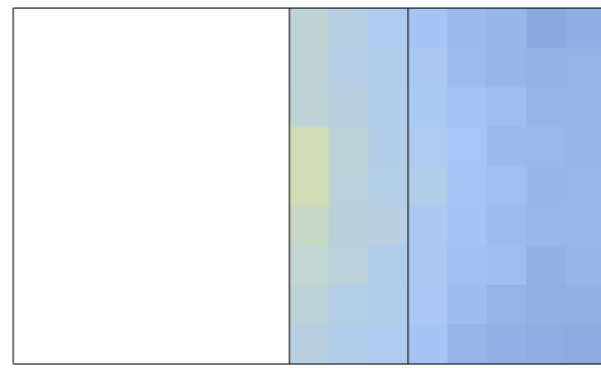
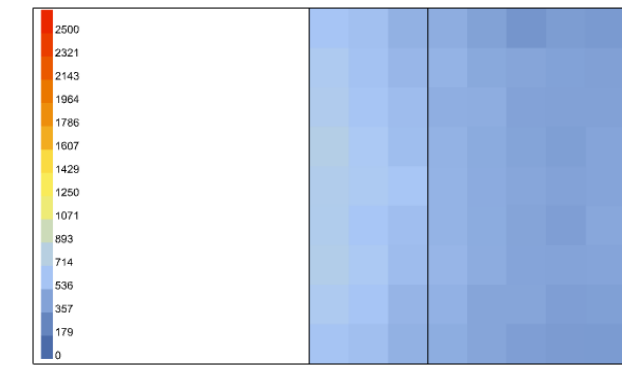
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



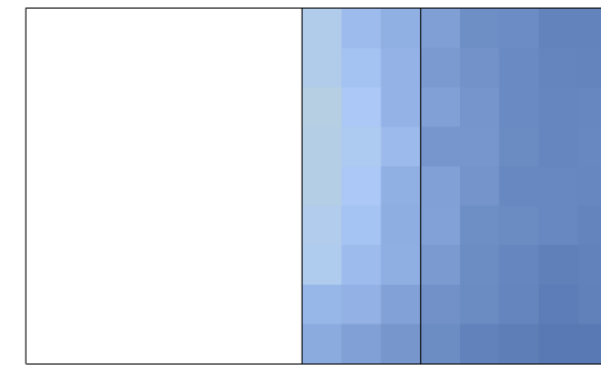
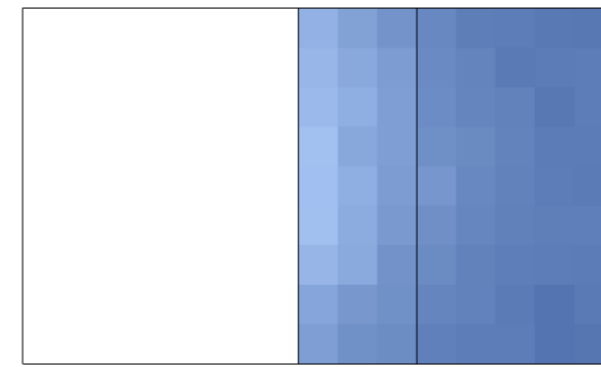
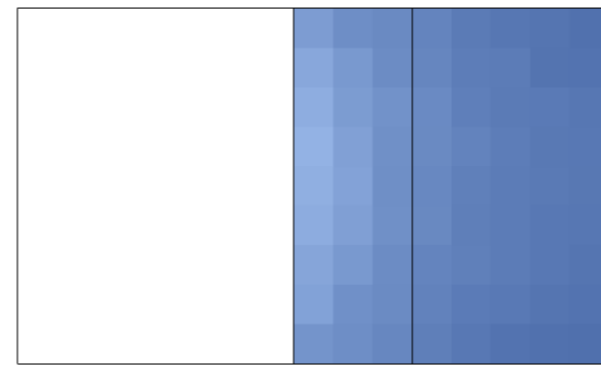
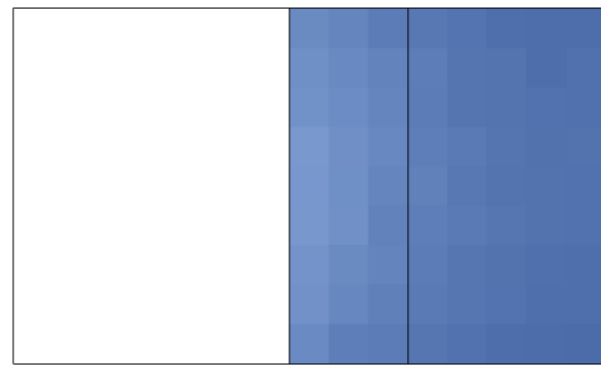
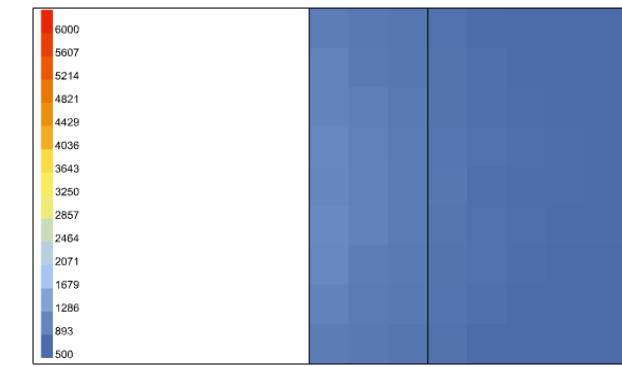
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



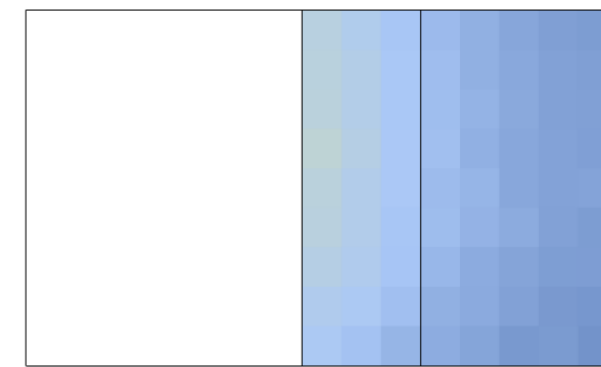
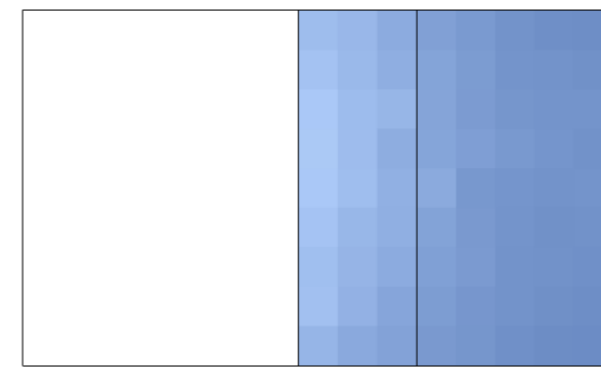
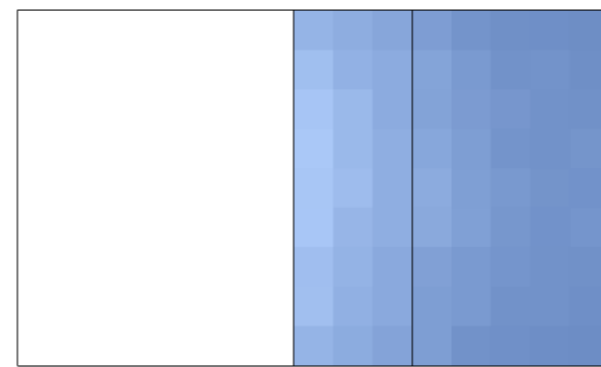
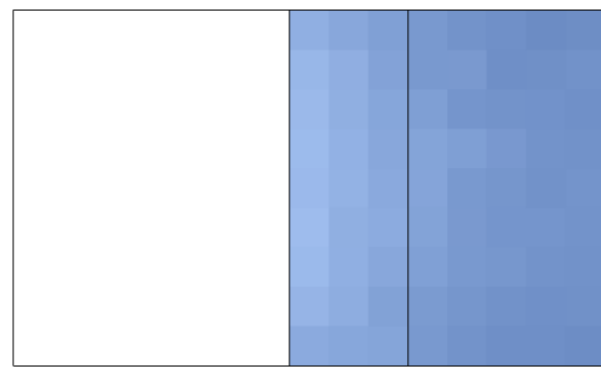
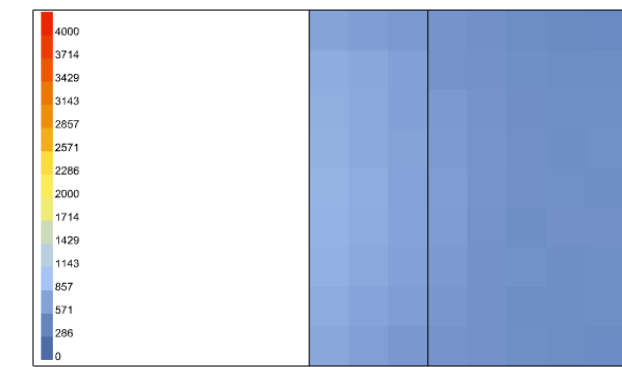
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



113 ANALISI ILLUMINOTECNICHE
CP1.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

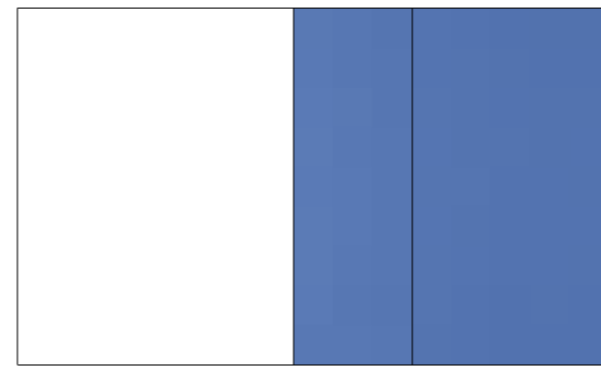
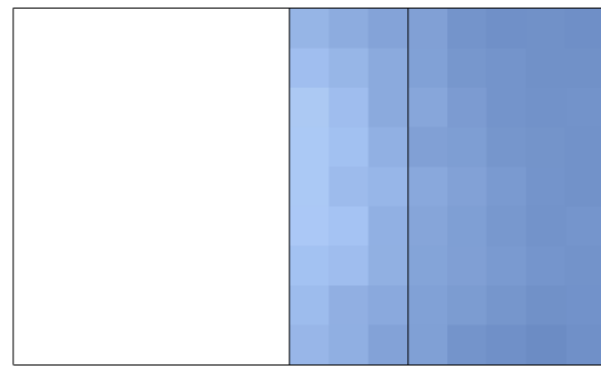
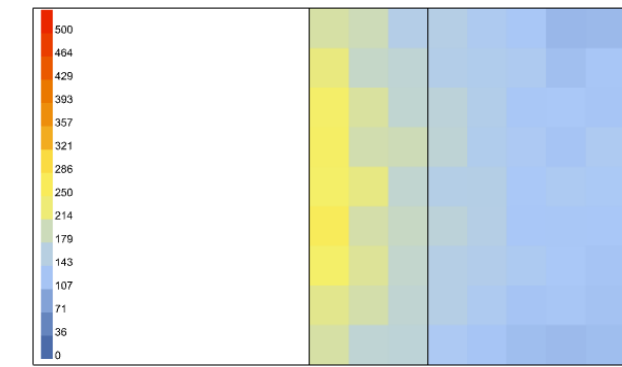
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



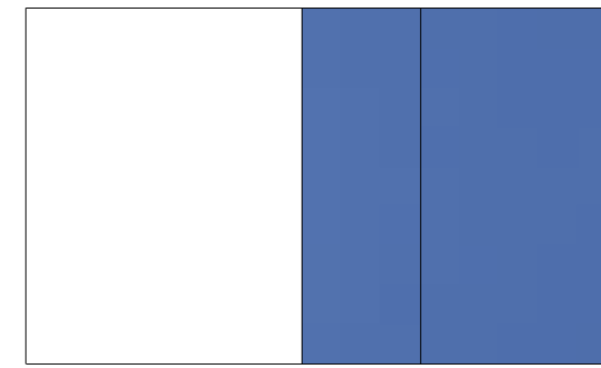
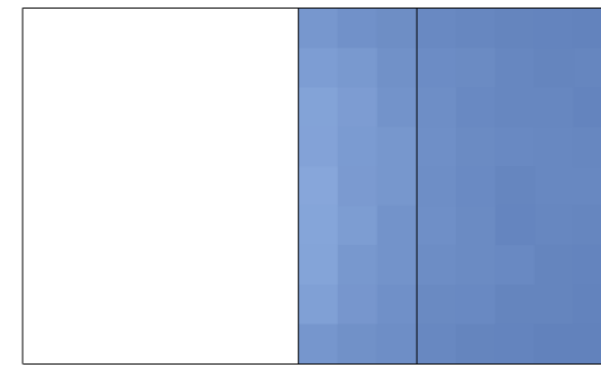
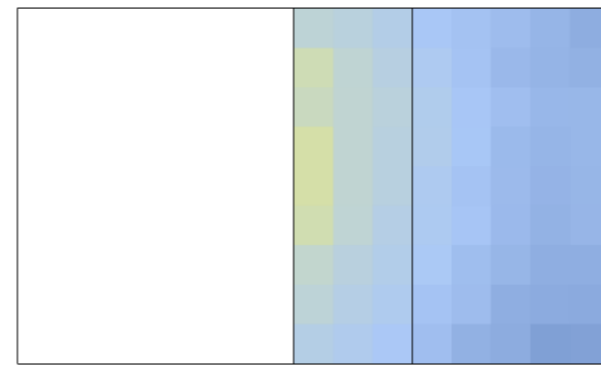
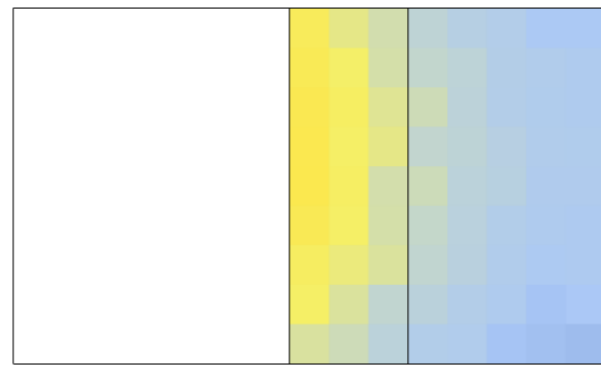
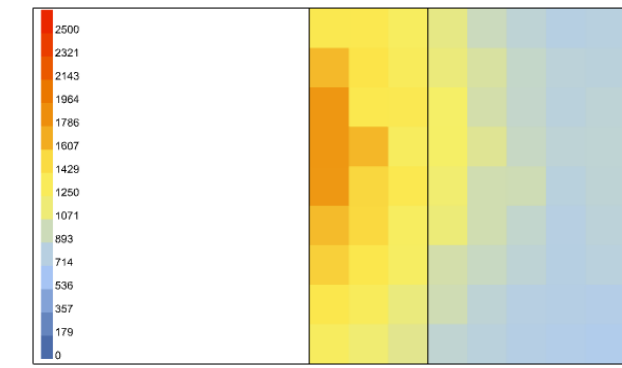
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



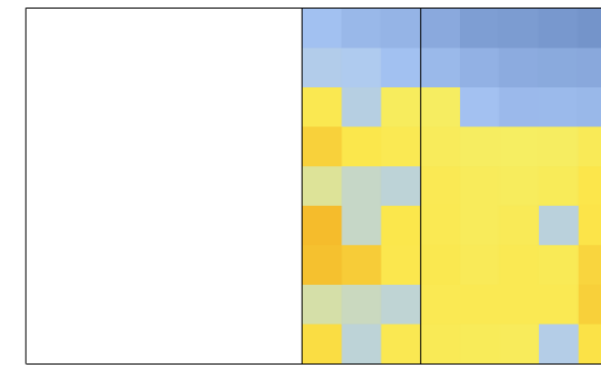
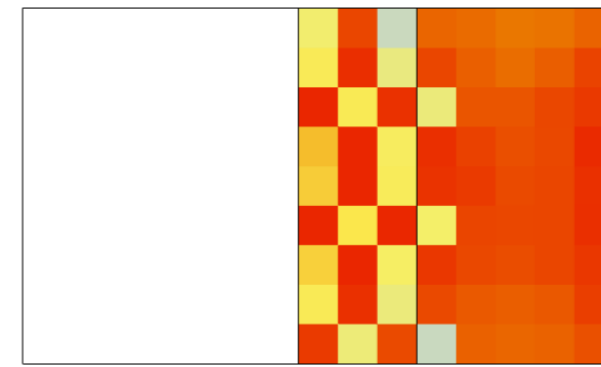
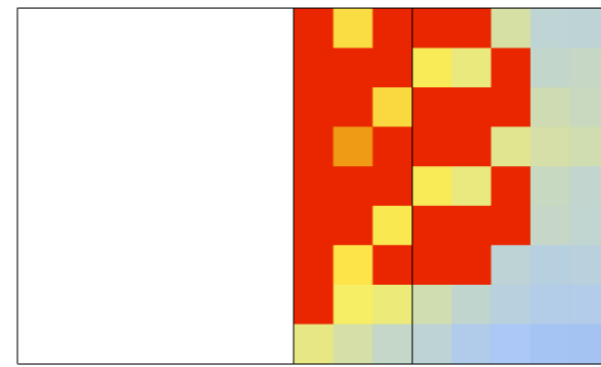
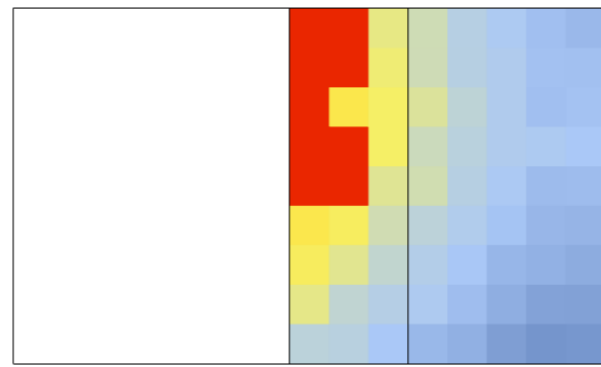
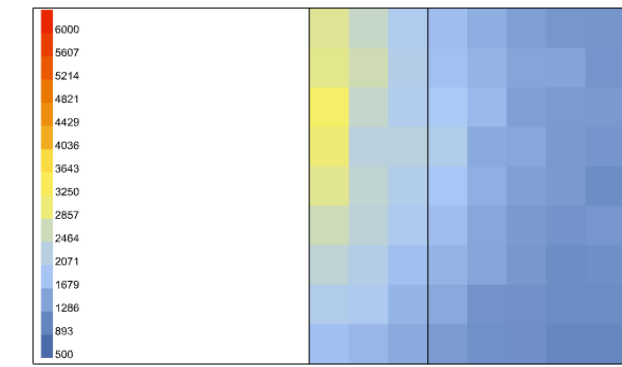
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



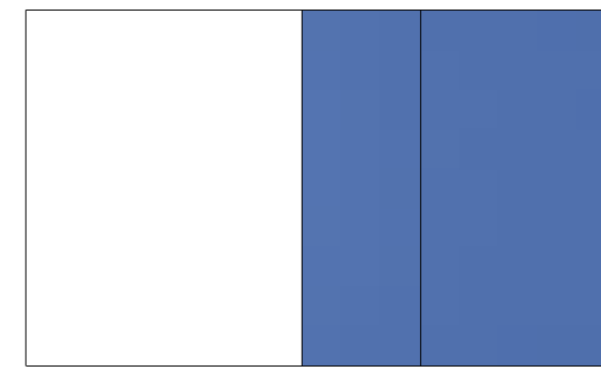
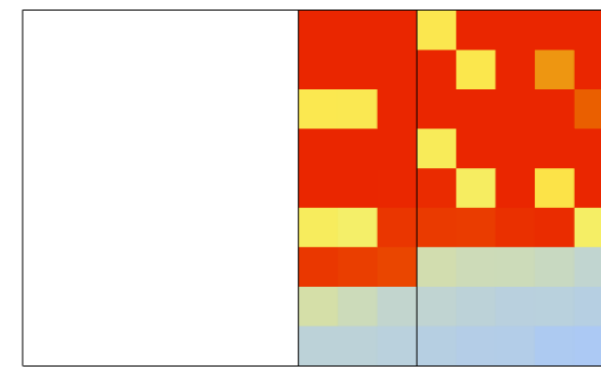
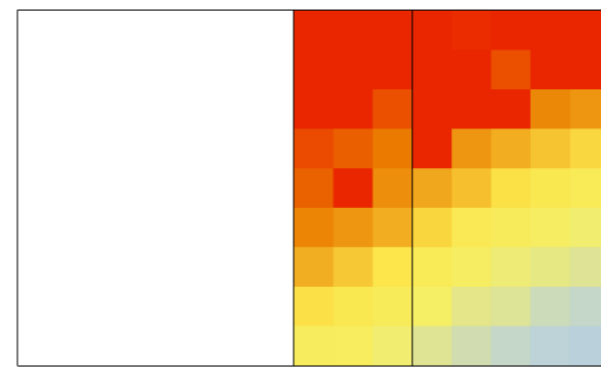
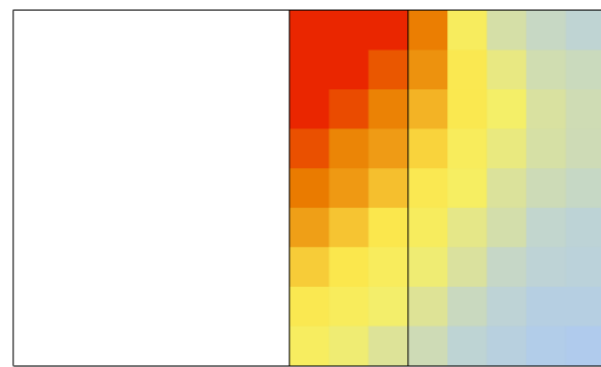
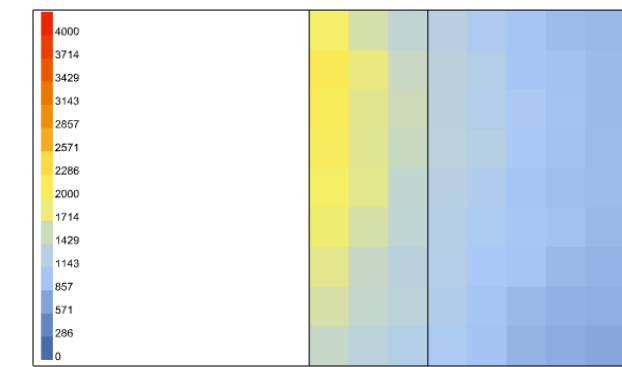
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



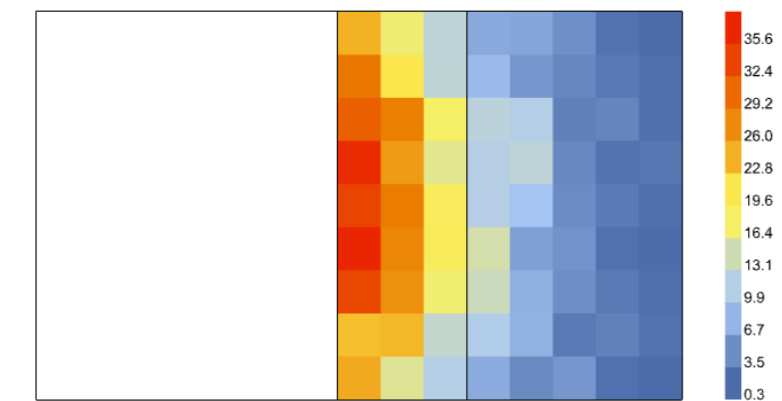
114 ANALISI ILLUMINOTECNICHE
CP1.2



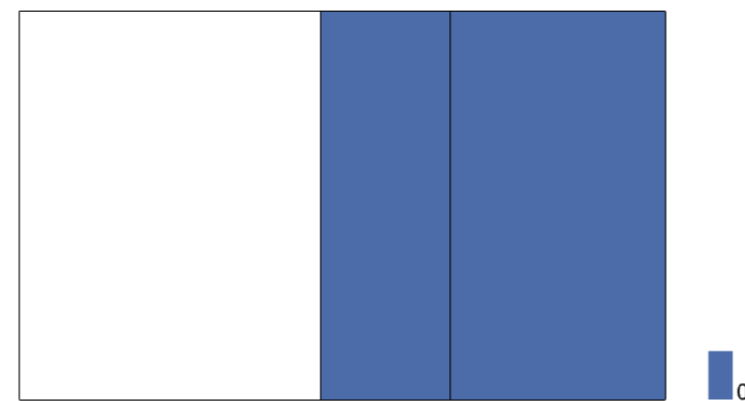
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

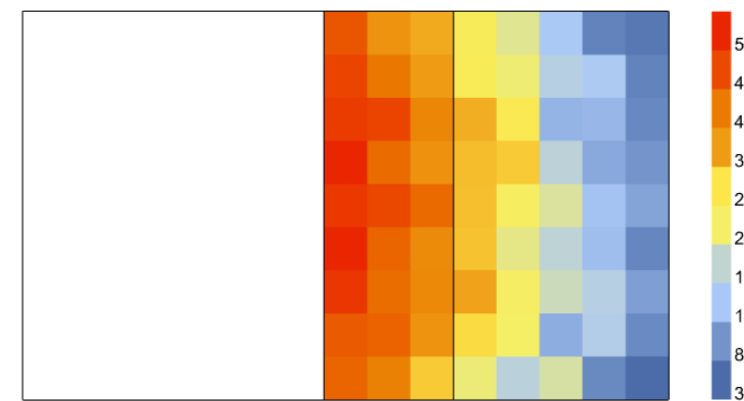
1. Daylight Autonomy (DA) - [%]



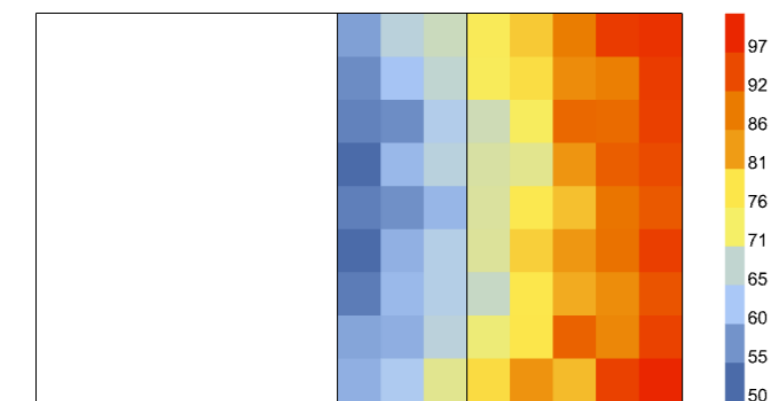
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



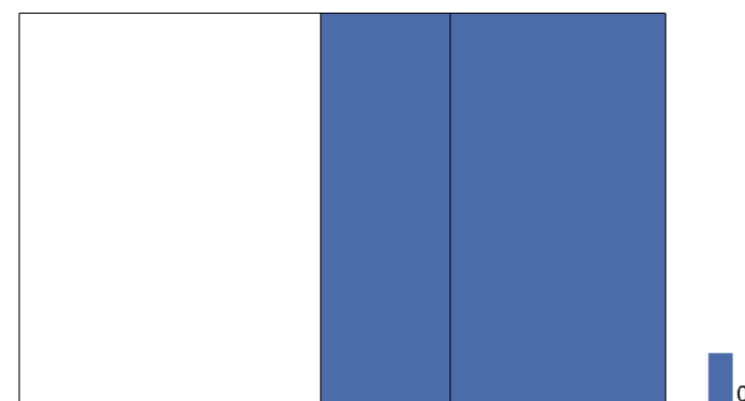
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

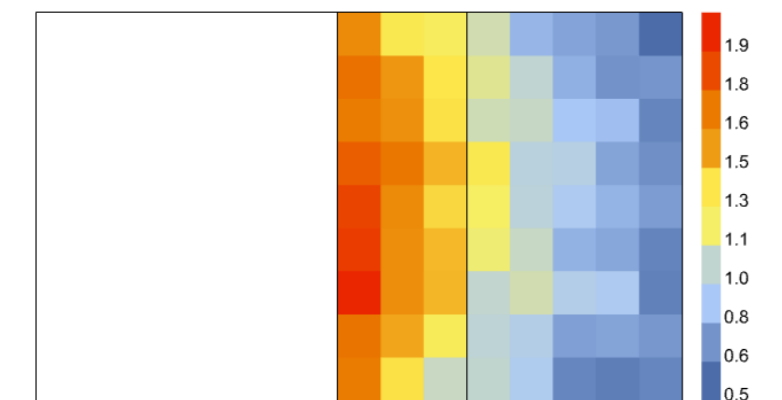


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

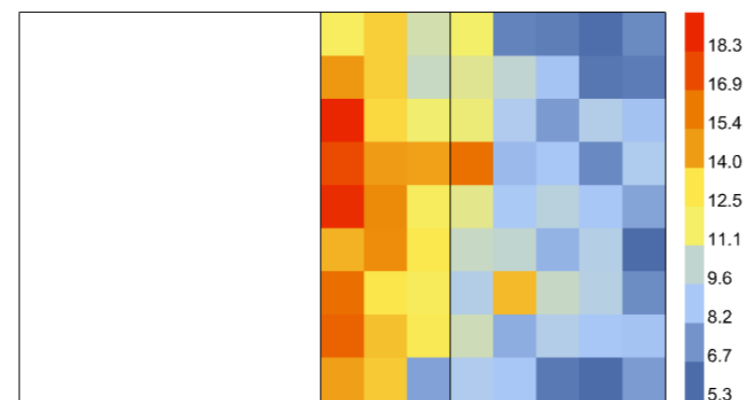


Annual Irradiance

1. Average Irradiance - [W/m²]

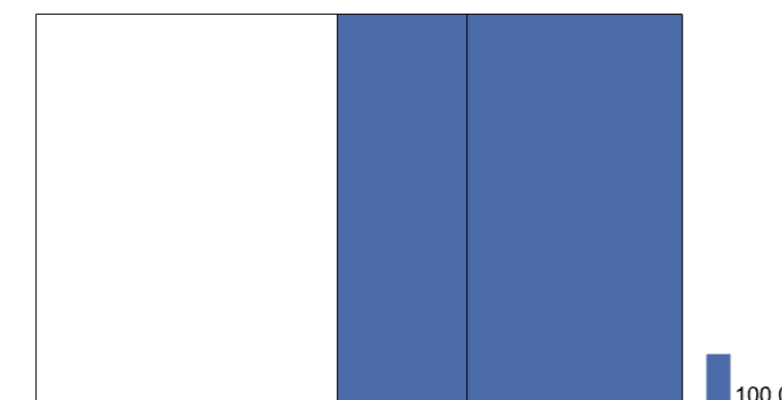


2. Peak Irradiance - [W/m²]



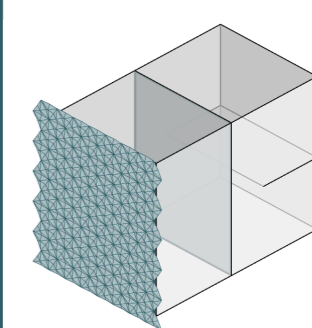
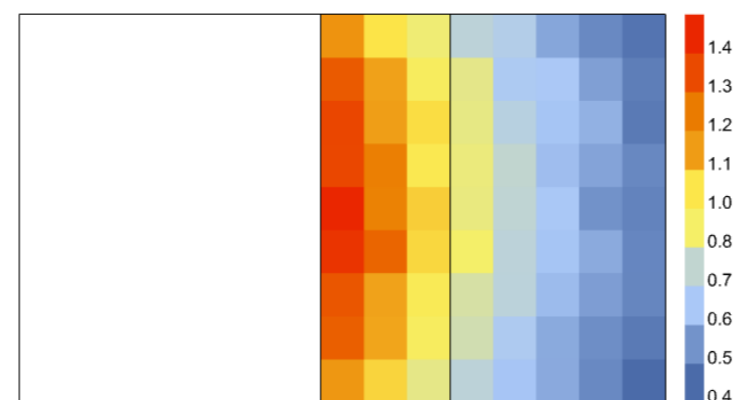
Annual Glare

1. Glare Autonomy (GA) - [%]



Daylight Factor

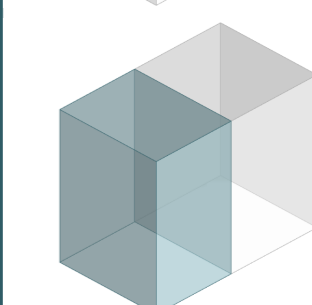
[%]



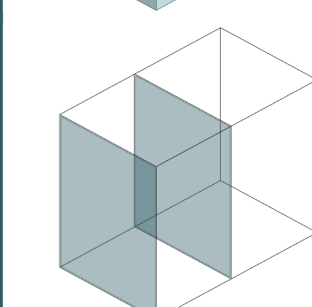
1. Modello Rhino



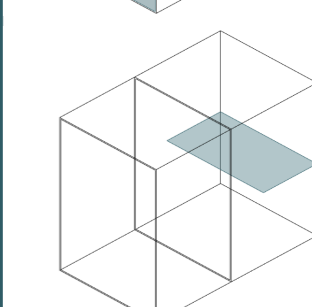
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



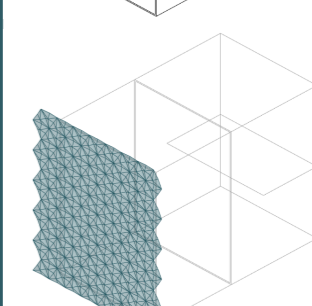
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,50 cm
Totalmente aperto

115 ANALISI ILLUMINOTECNICHE
CP2.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

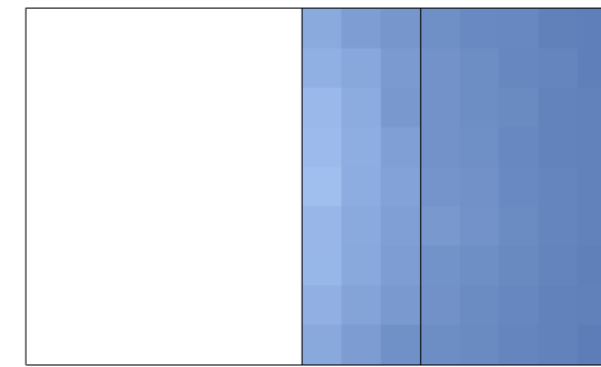
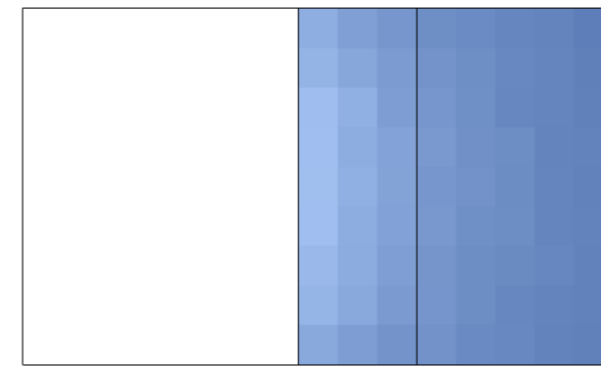
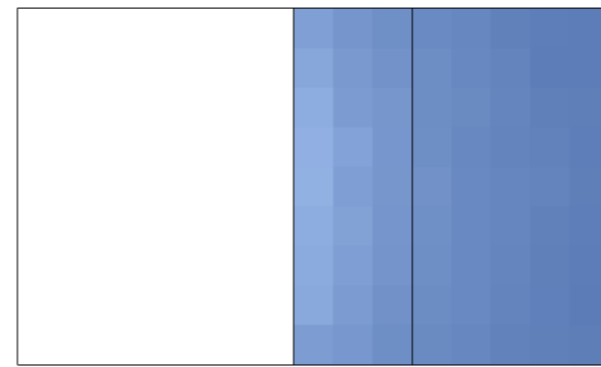
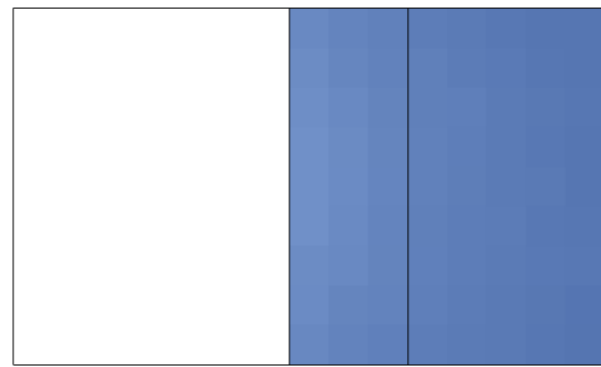
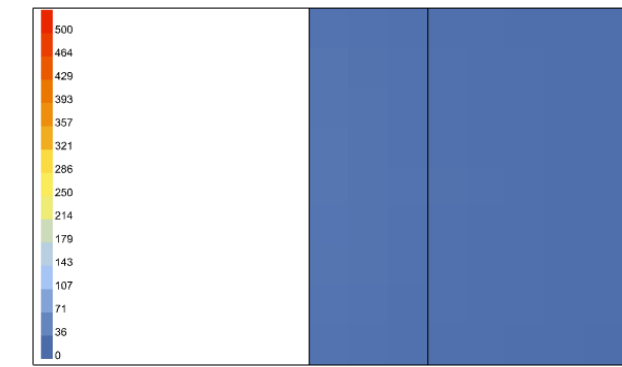
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



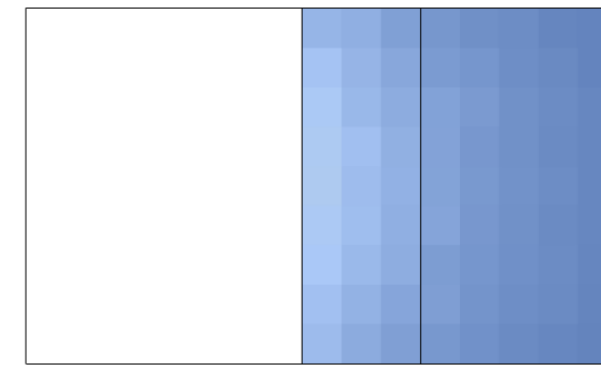
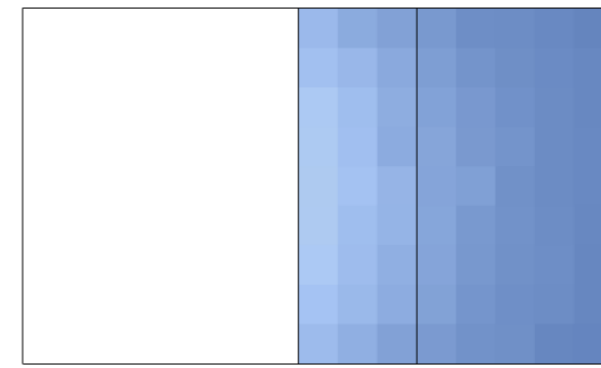
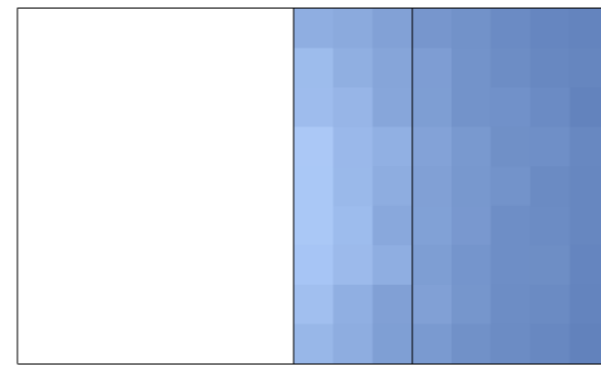
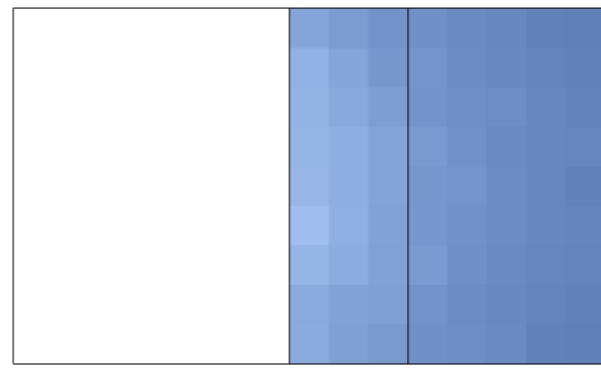
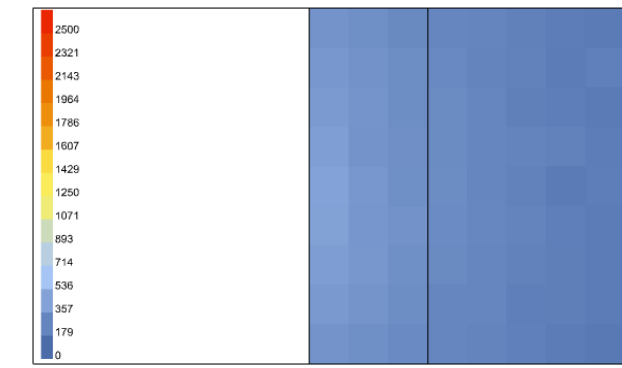
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



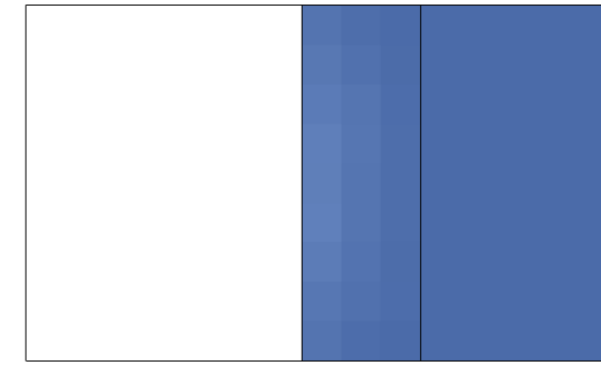
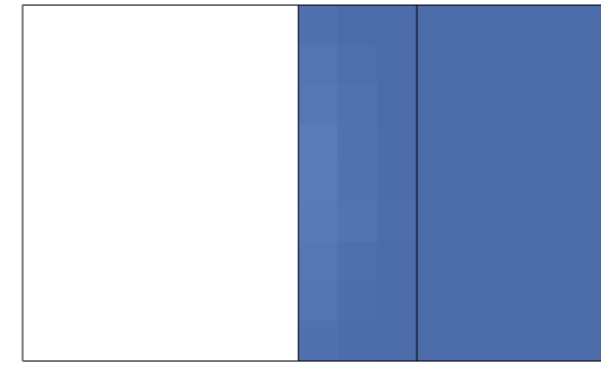
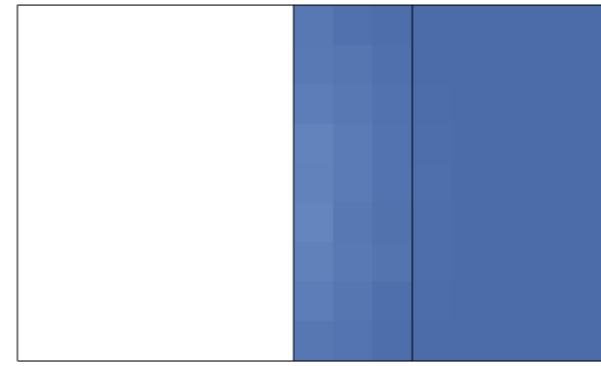
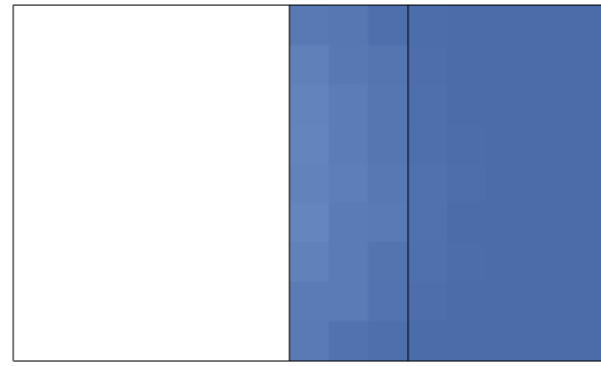
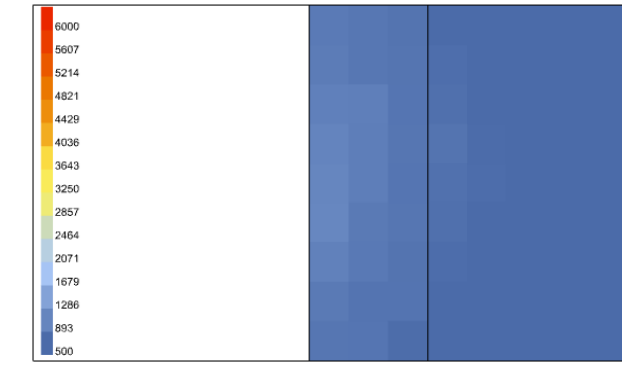
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



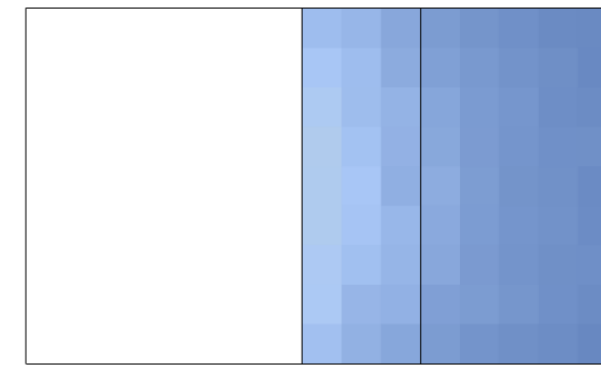
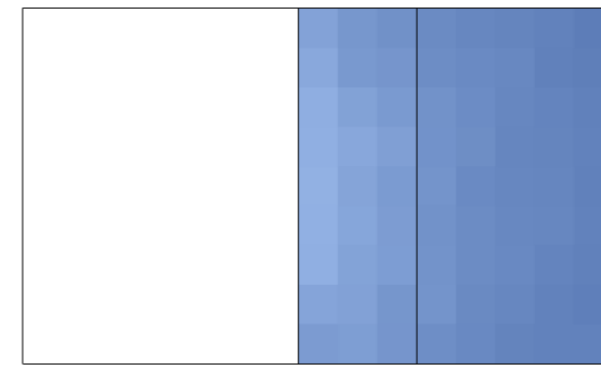
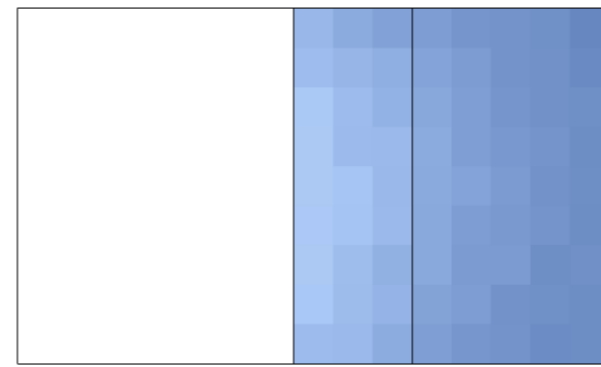
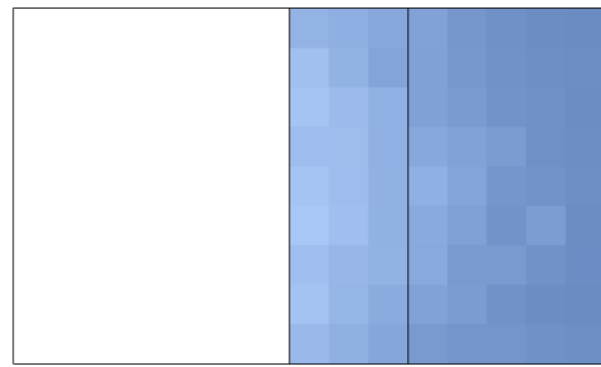
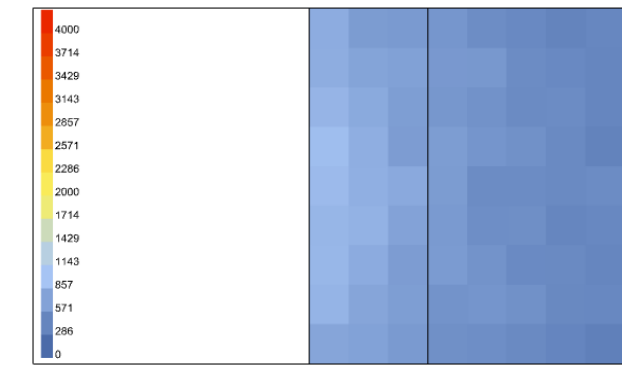
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



116 ANALISI ILLUMINOTECNICHE
CP2.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

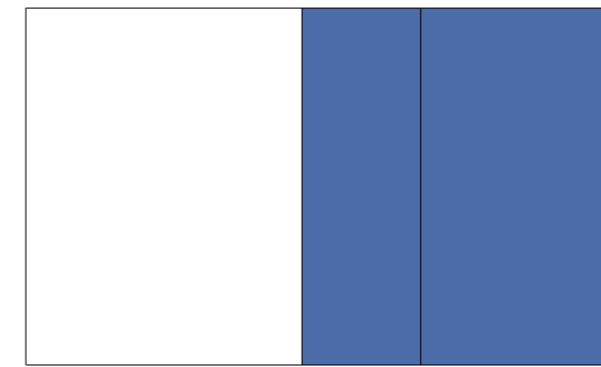
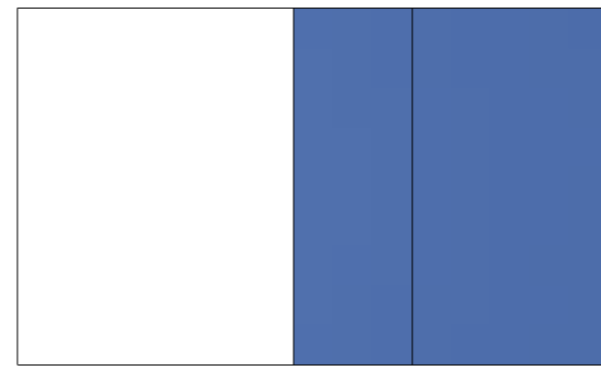
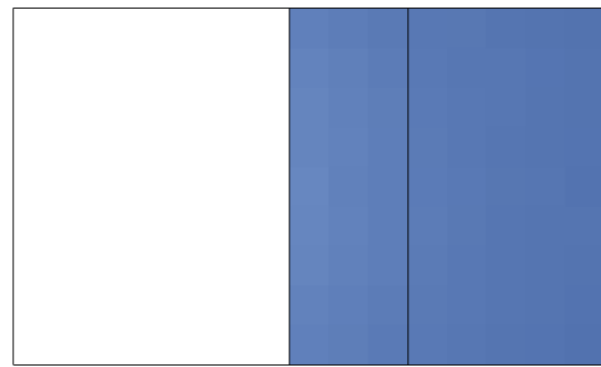
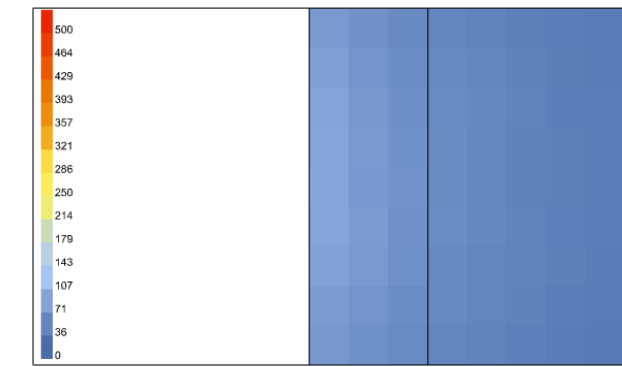
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



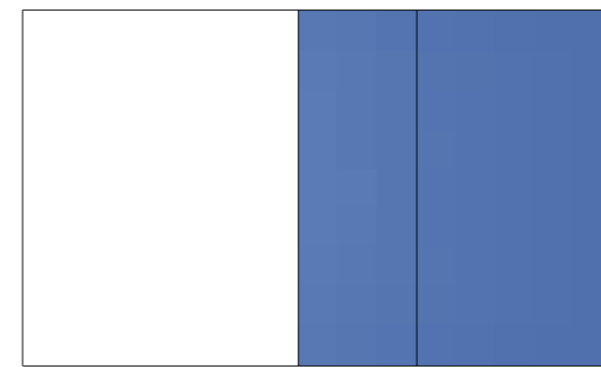
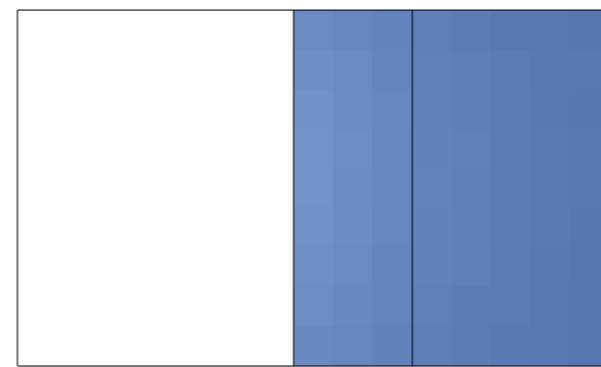
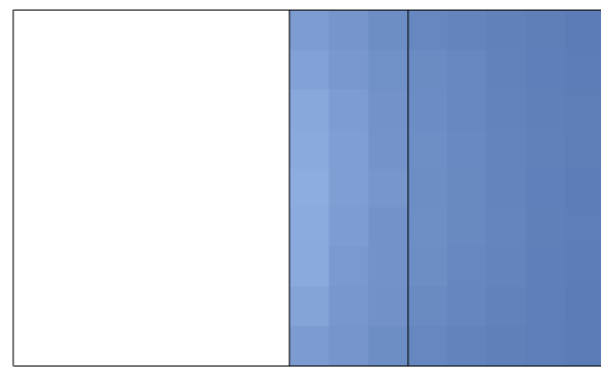
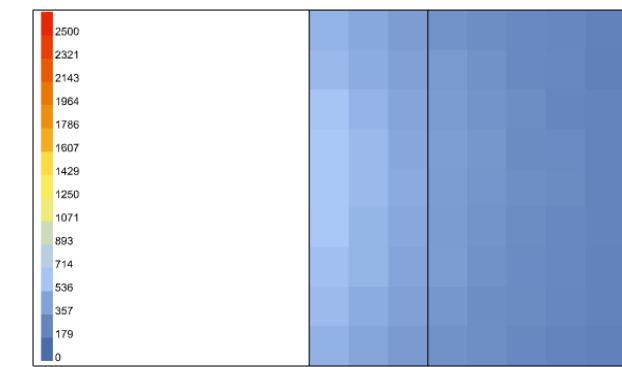
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



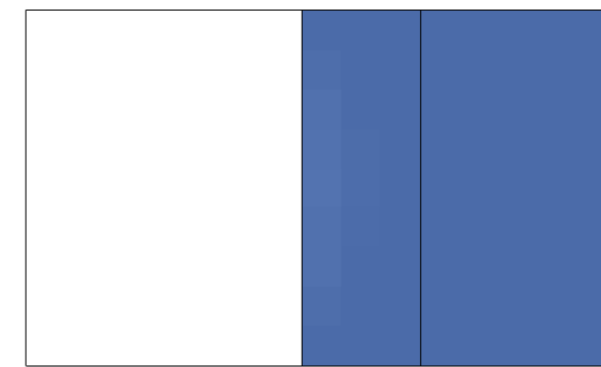
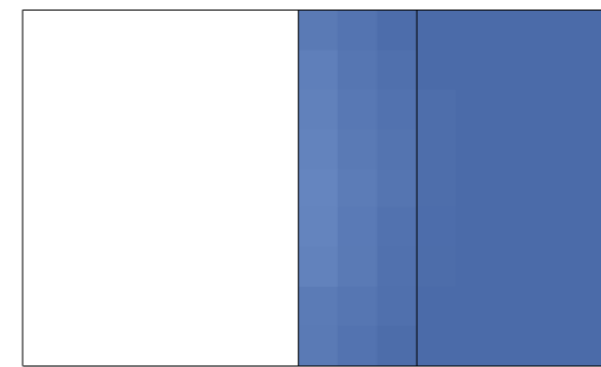
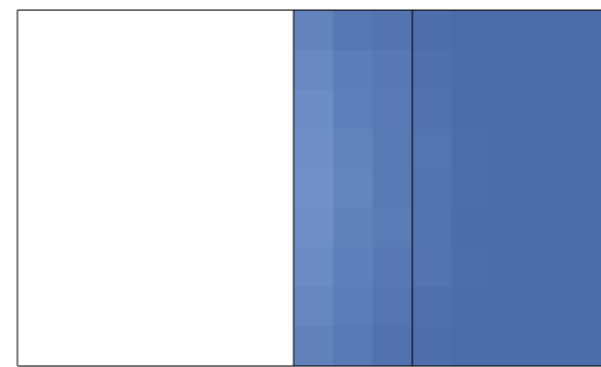
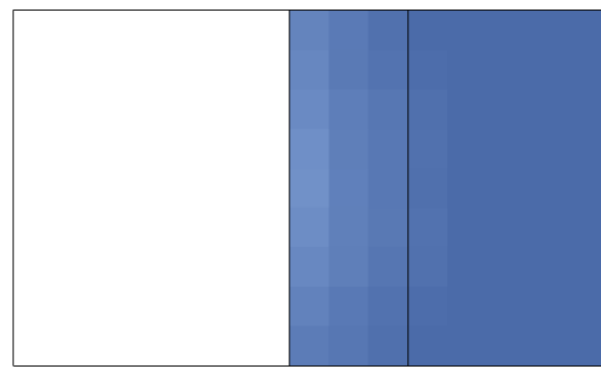
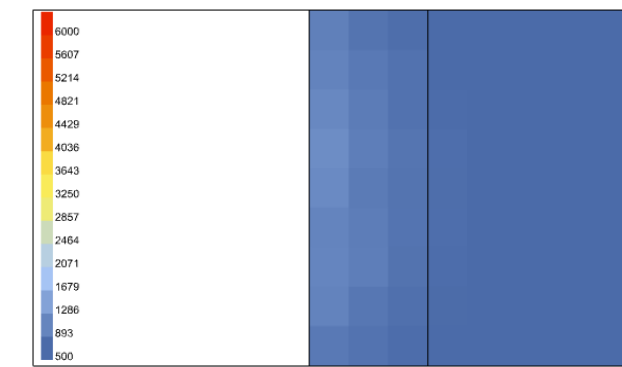
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



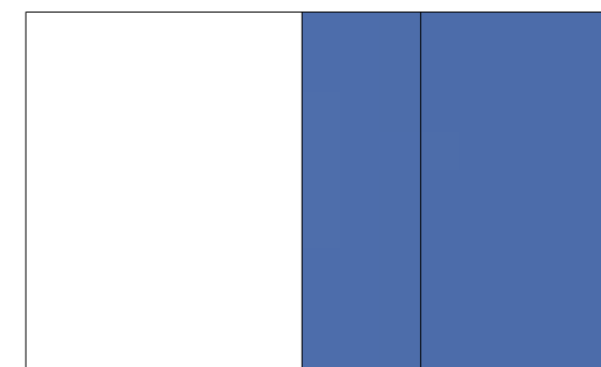
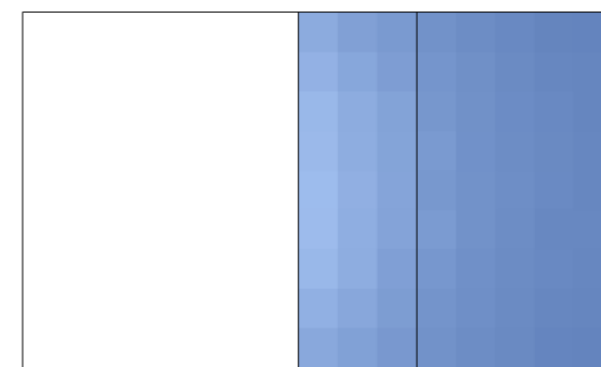
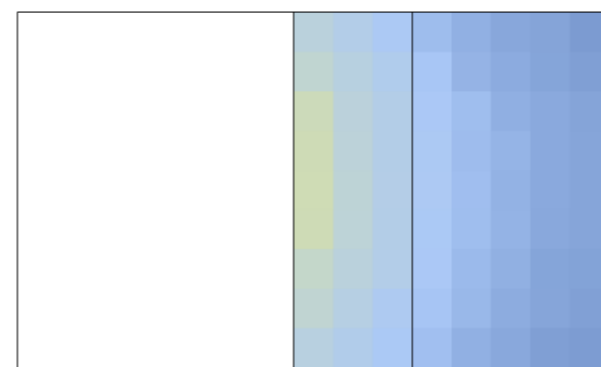
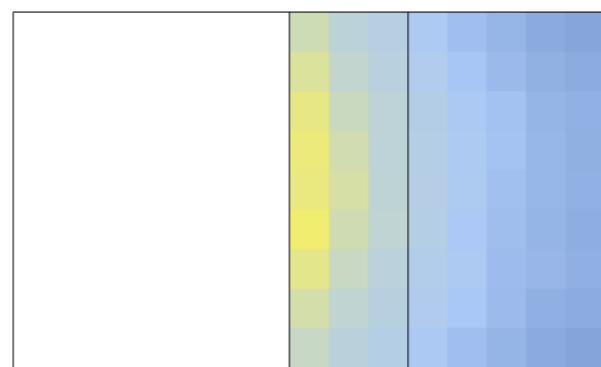
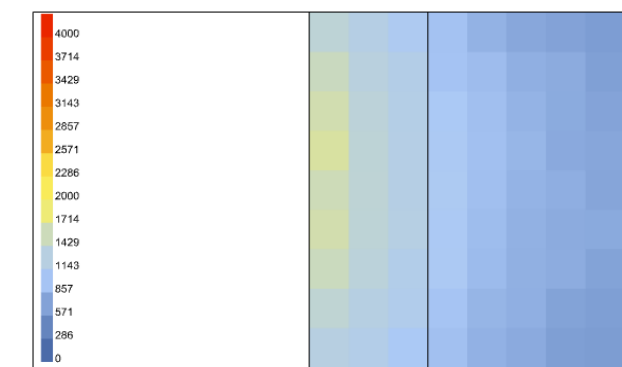
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



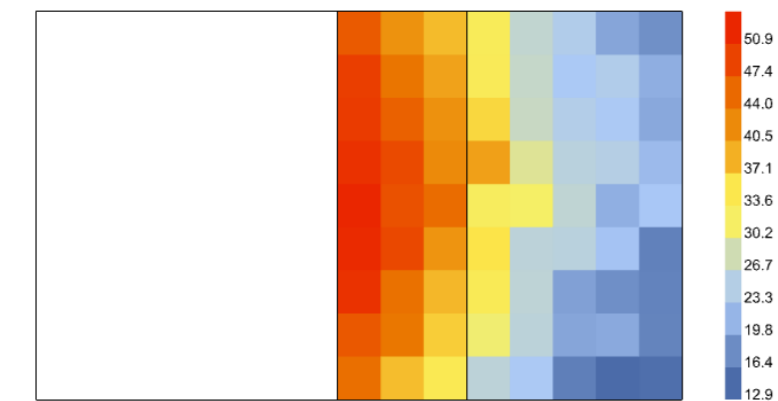
117 ANALISI ILLUMINOTECNICHE
CP2.2



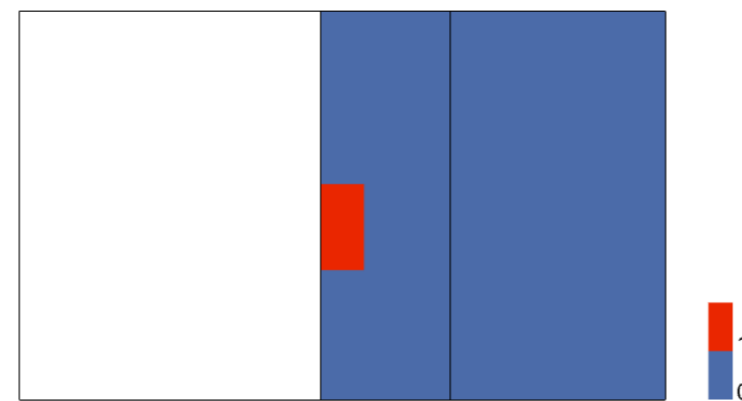
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

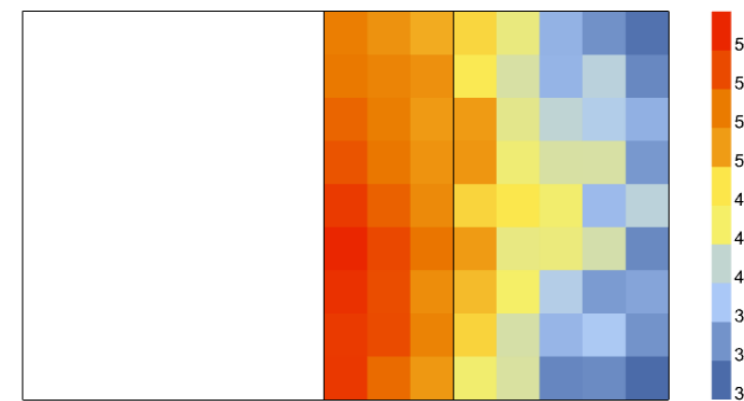
1. Daylight Autonomy (DA) - [%]



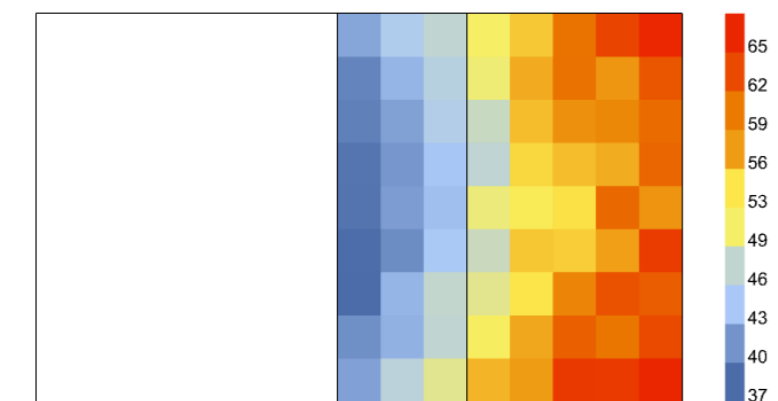
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



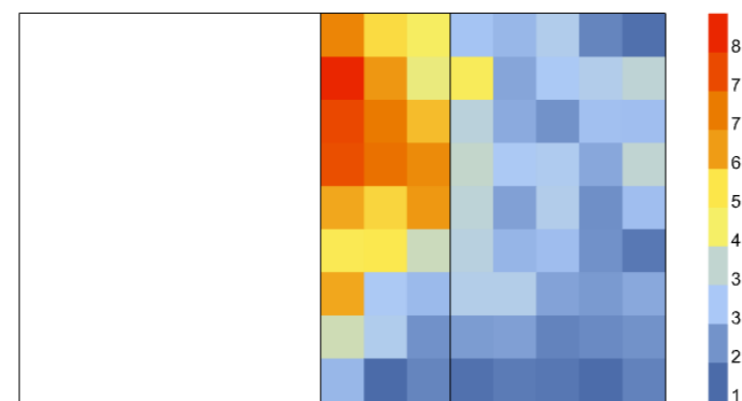
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

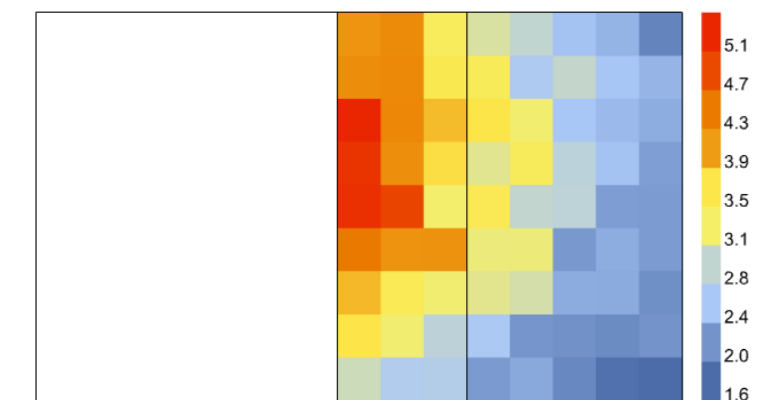


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

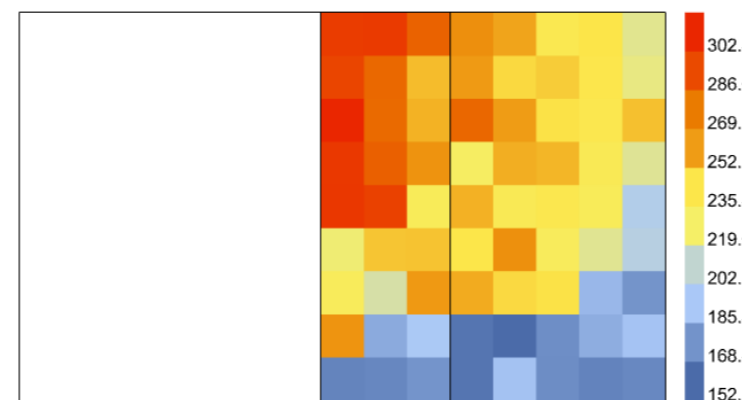


Annual Irradiance

1. Average Irradiance - [W/m²]

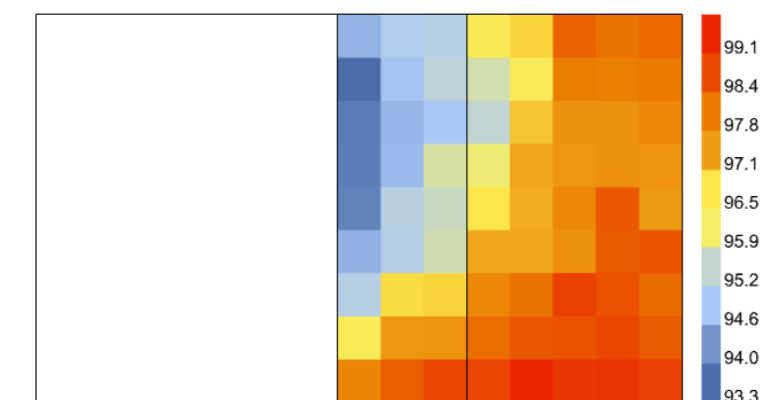


2. Peak Irradiance - [W/m²]



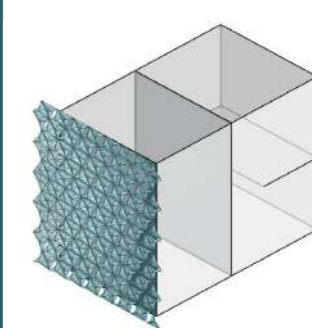
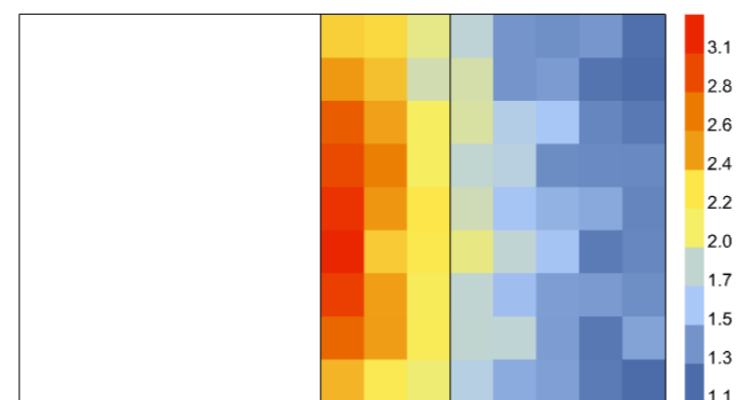
Annual Glare

1. Glare Autonomy (GA) - [%]

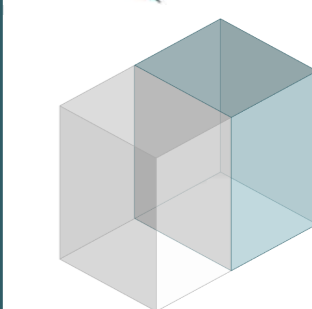


Daylight Factor

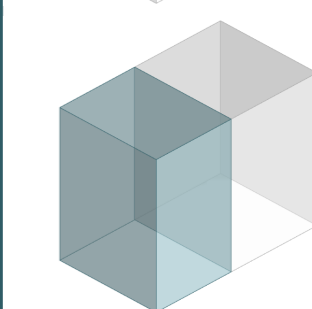
[%]



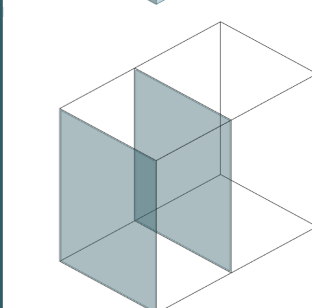
1. Modello Rhino



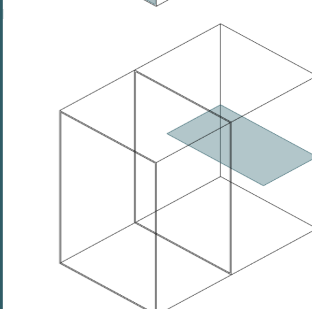
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



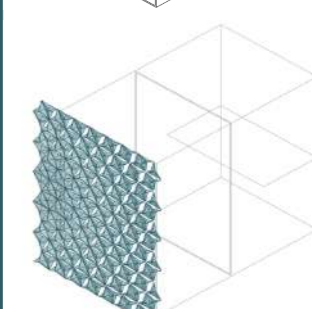
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,50 cm
Aperto verso Nord

118 ANALISI ILLUMINOTECNICHE
CP3.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

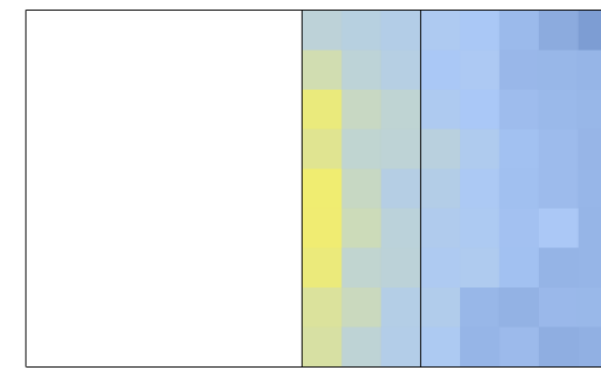
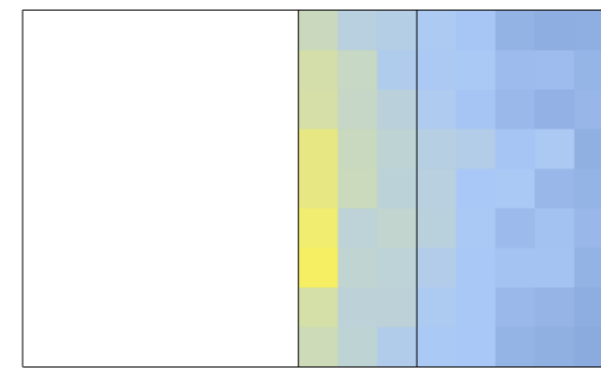
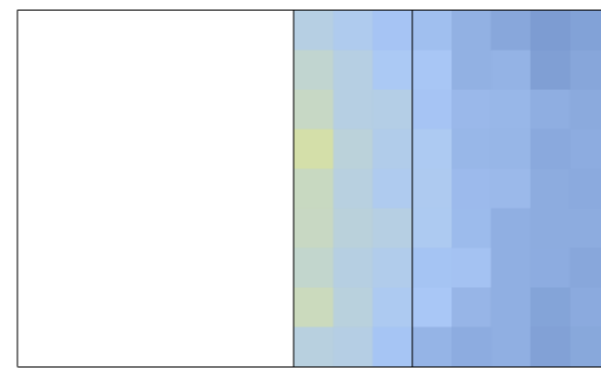
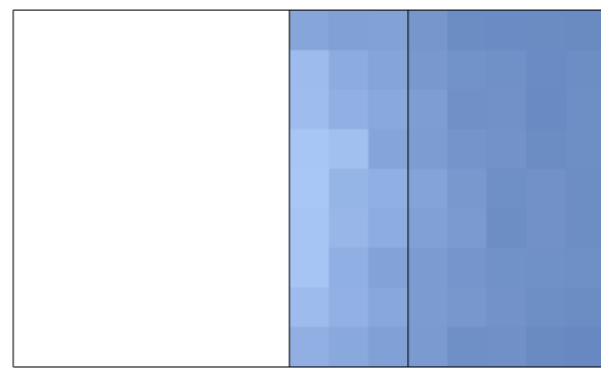
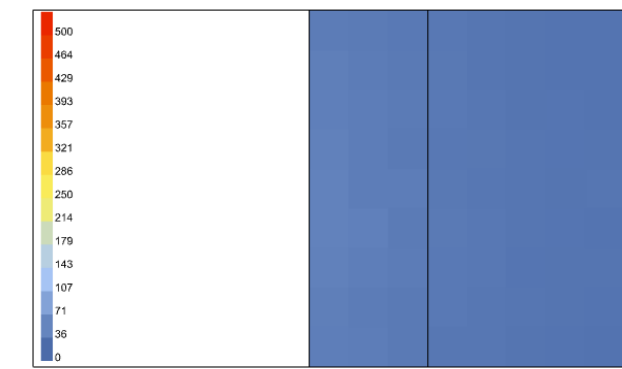
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



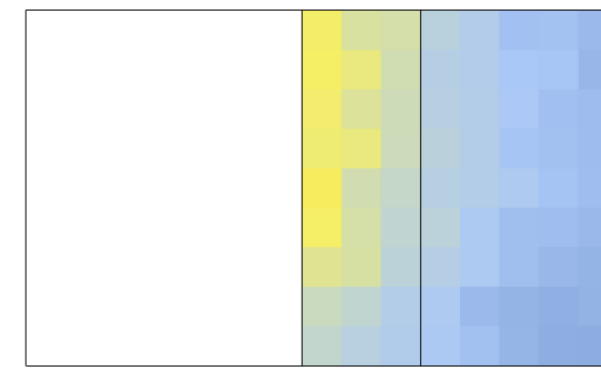
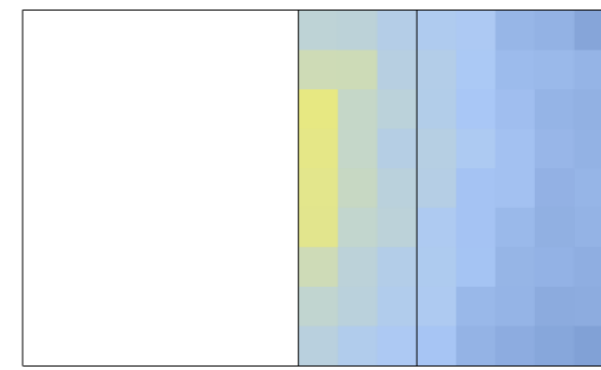
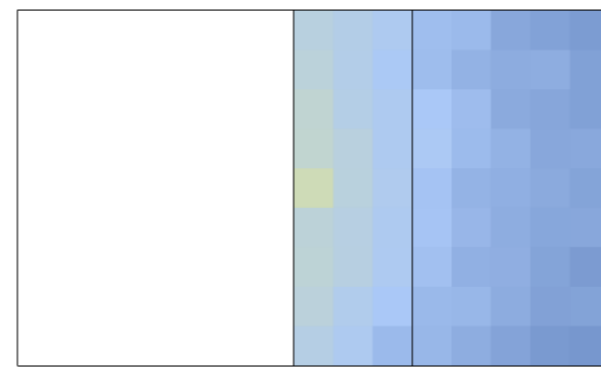
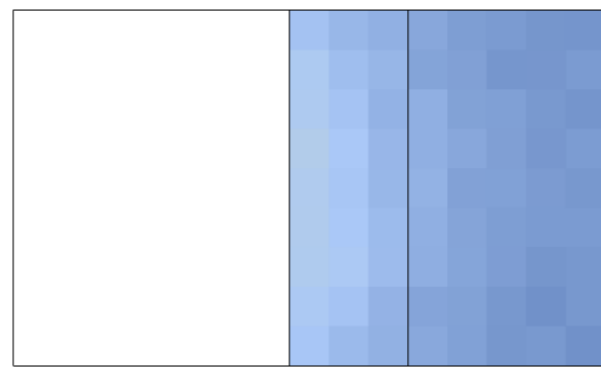
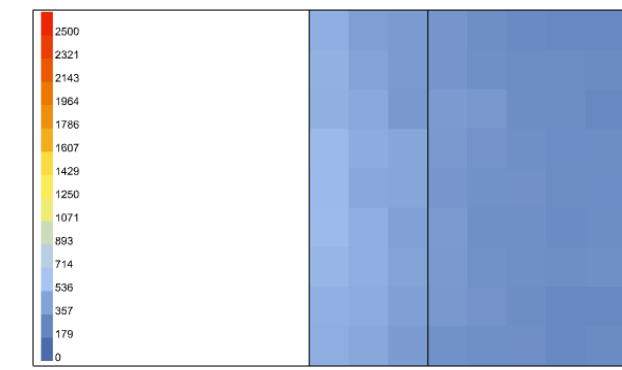
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



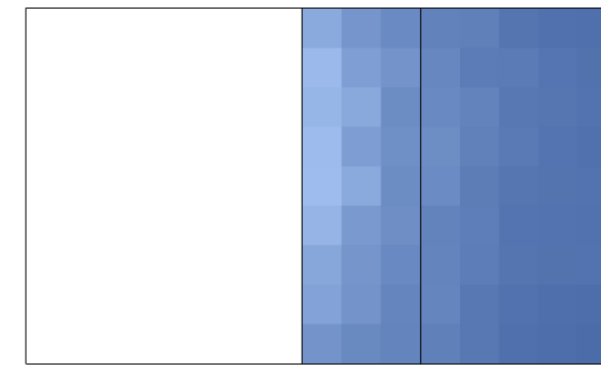
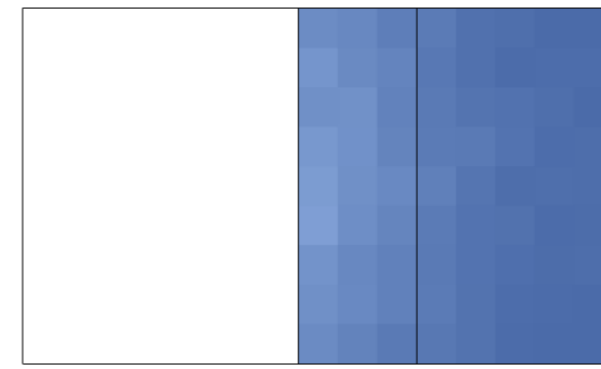
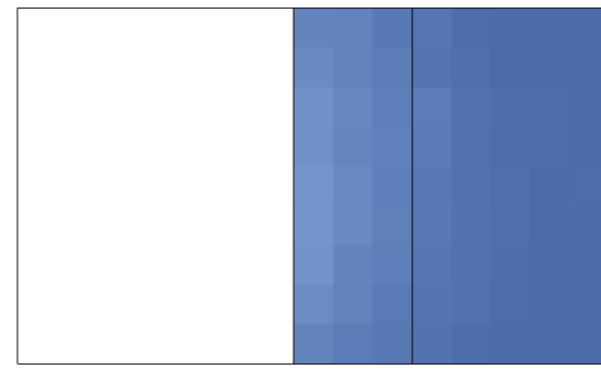
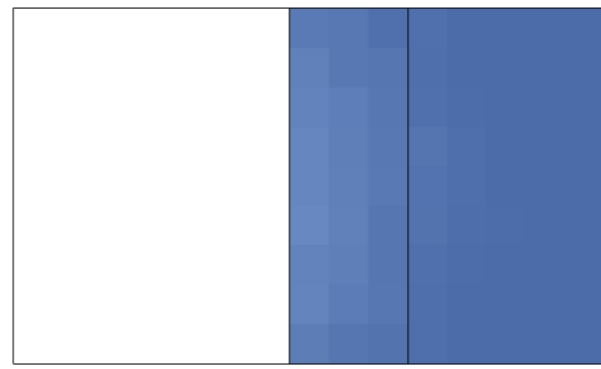
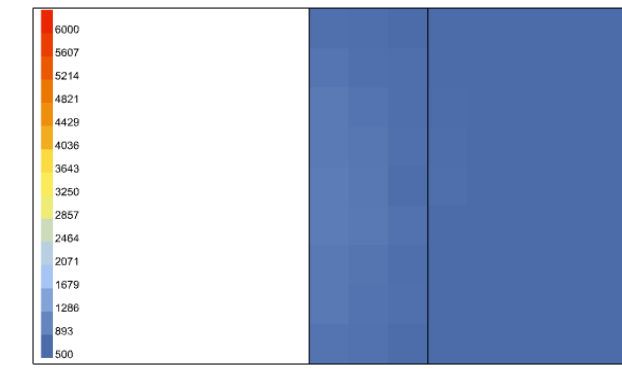
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



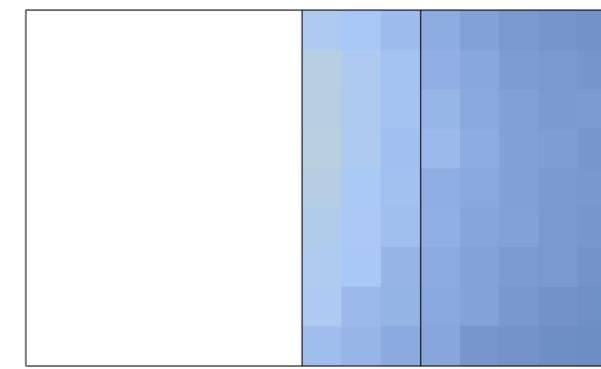
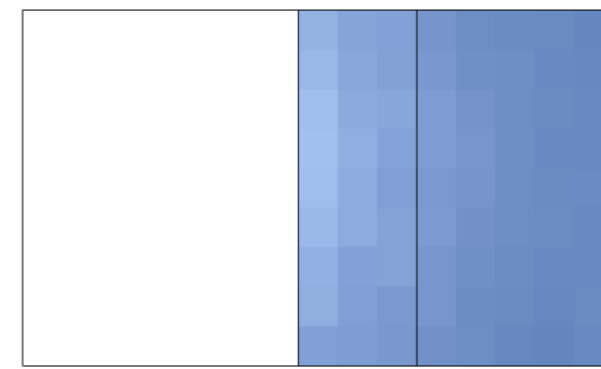
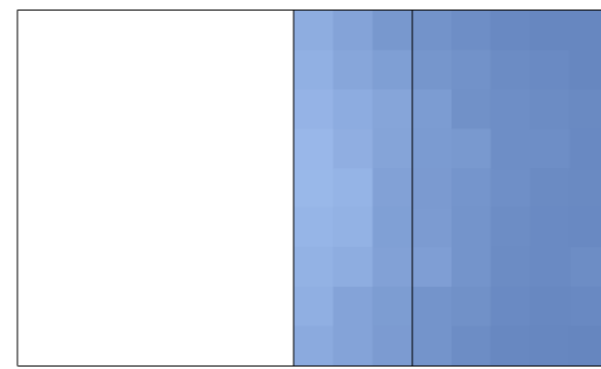
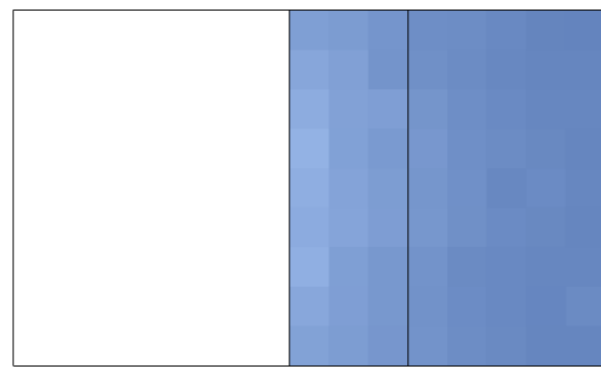
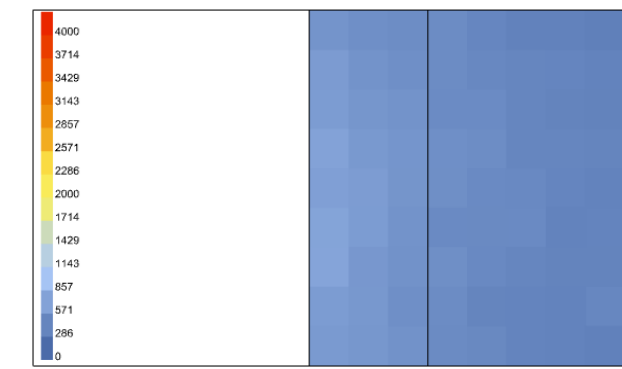
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



119 ANALISI ILLUMINOTECNICHE
CP3.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

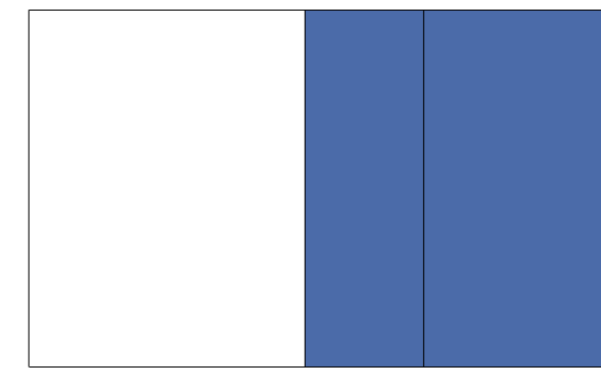
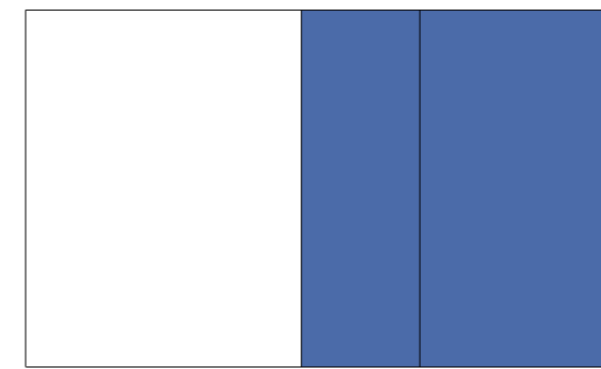
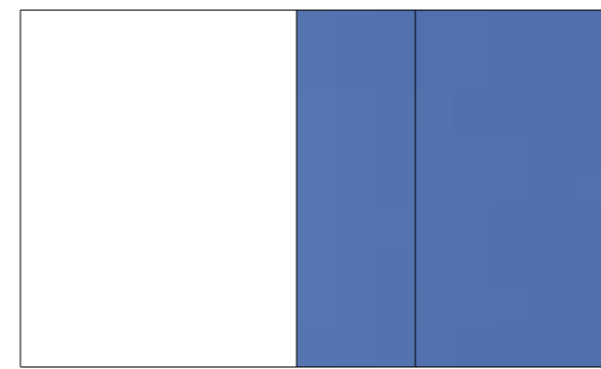
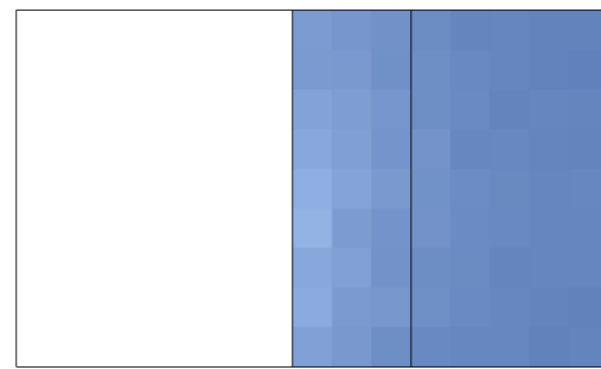
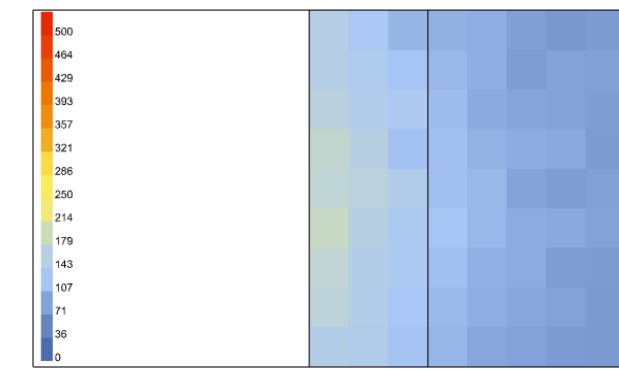
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



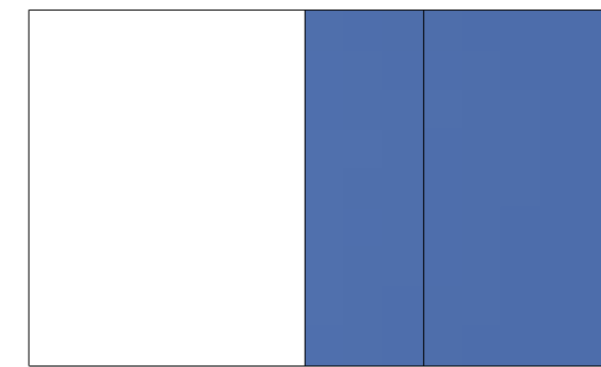
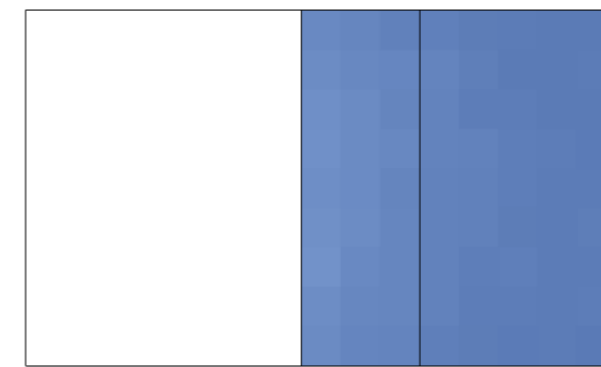
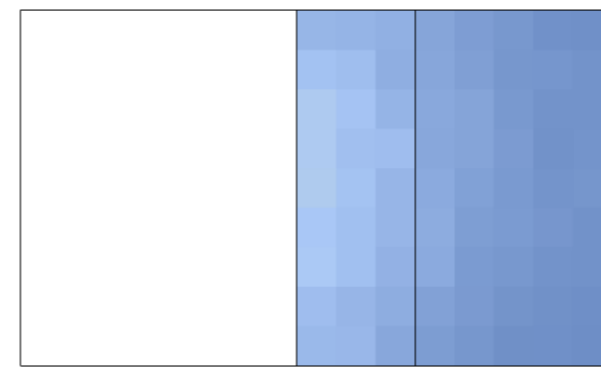
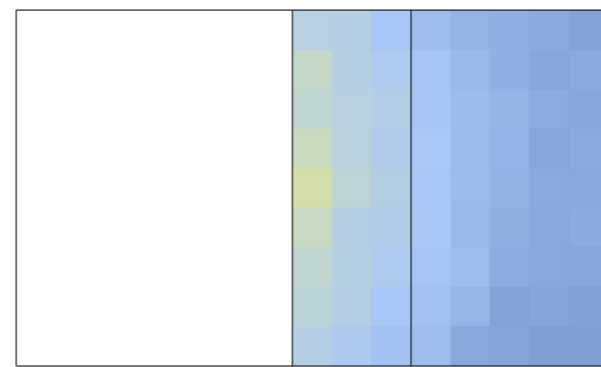
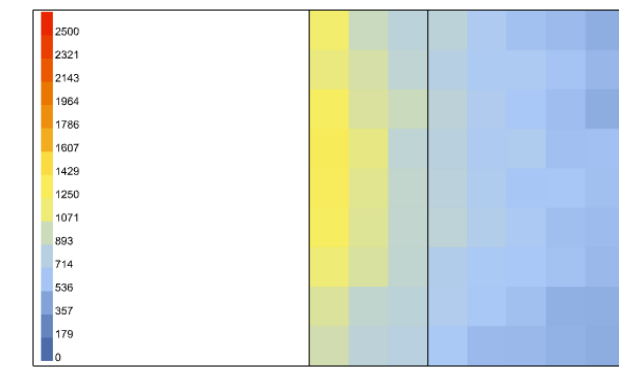
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



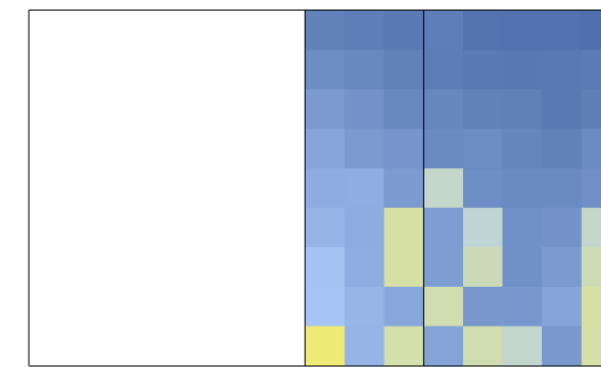
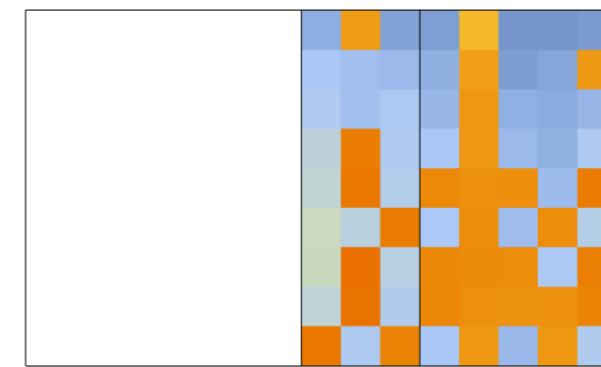
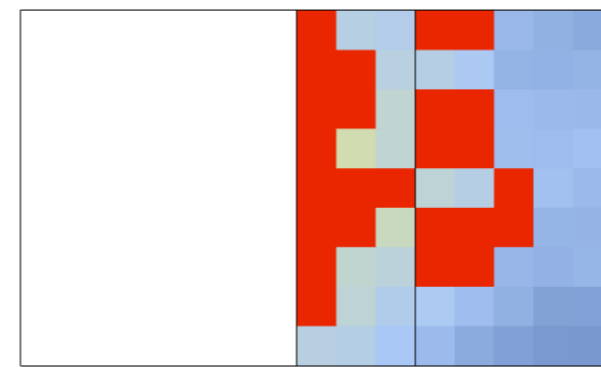
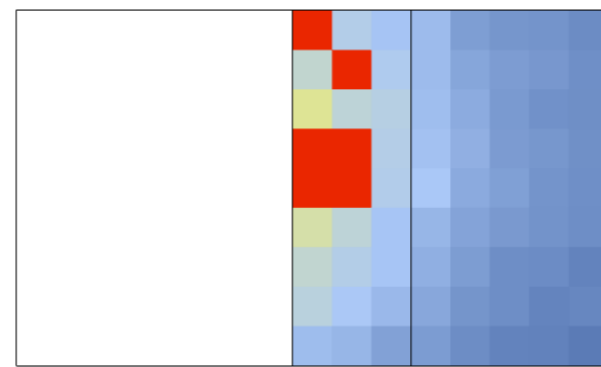
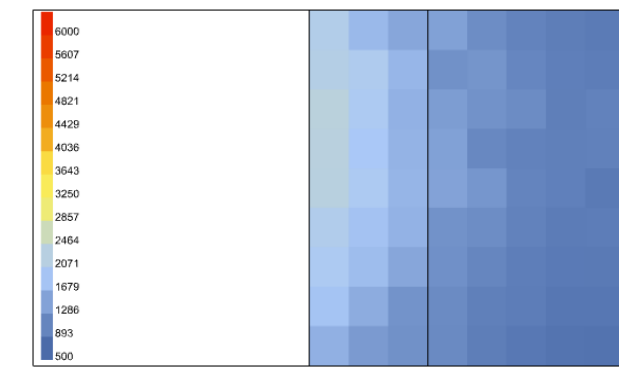
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



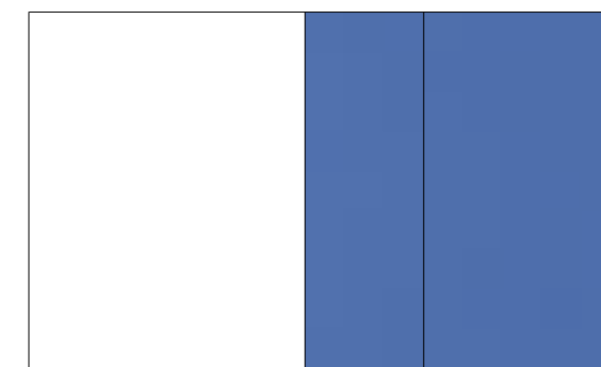
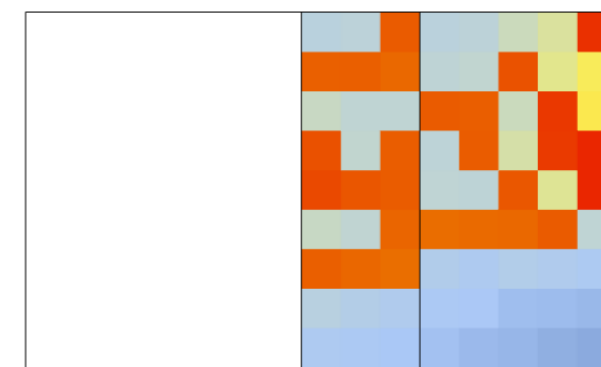
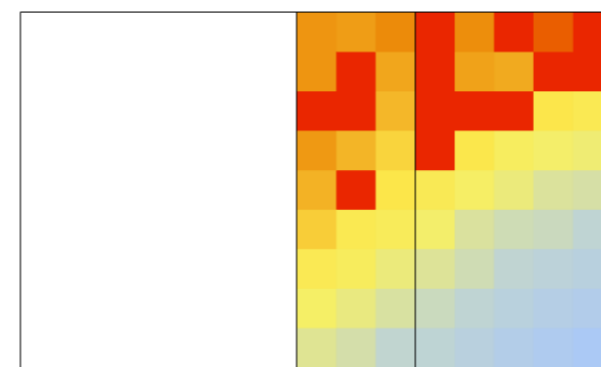
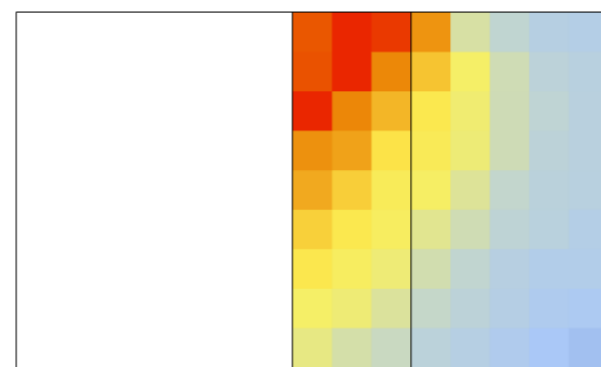
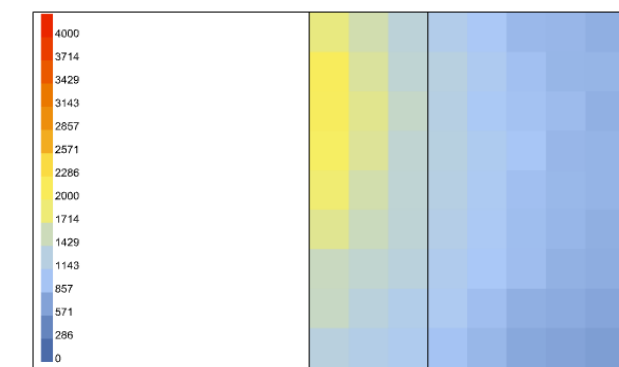
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



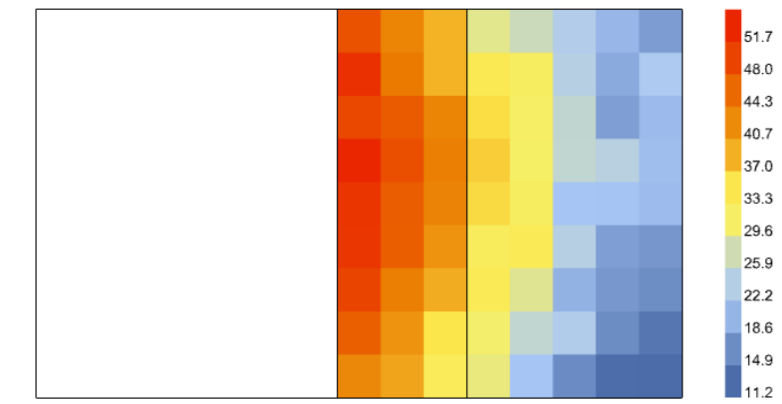
120 ANALISI ILLUMINOTECNICHE
CP3.2



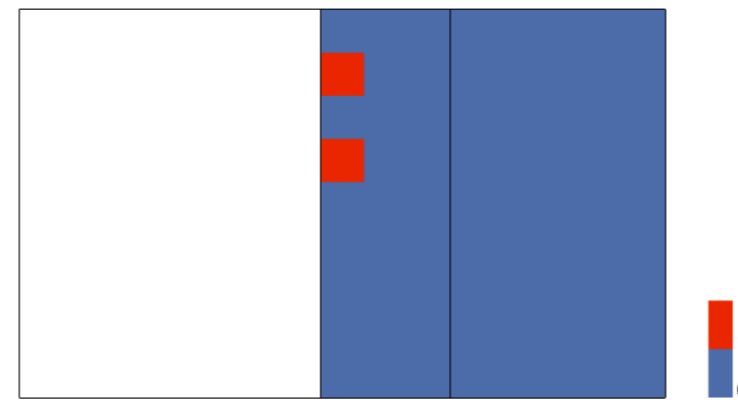
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

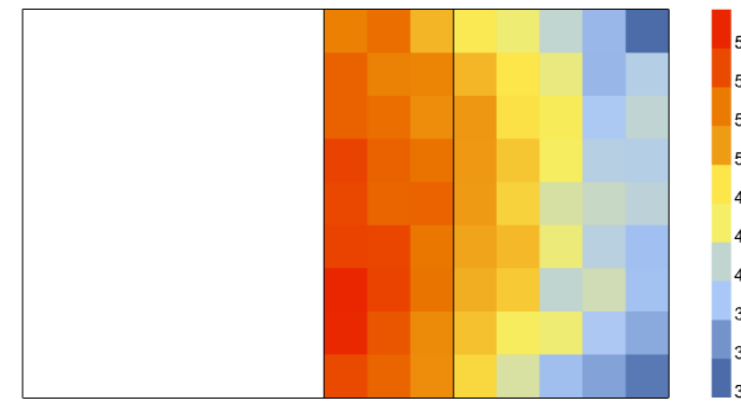
1. Daylight Autonomy (DA) - [%]



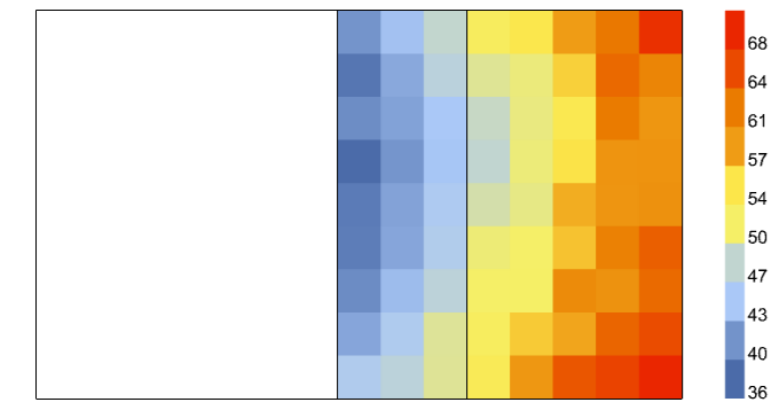
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



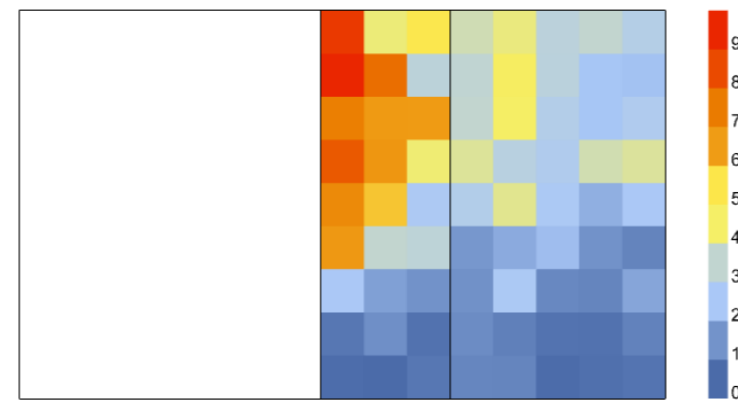
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

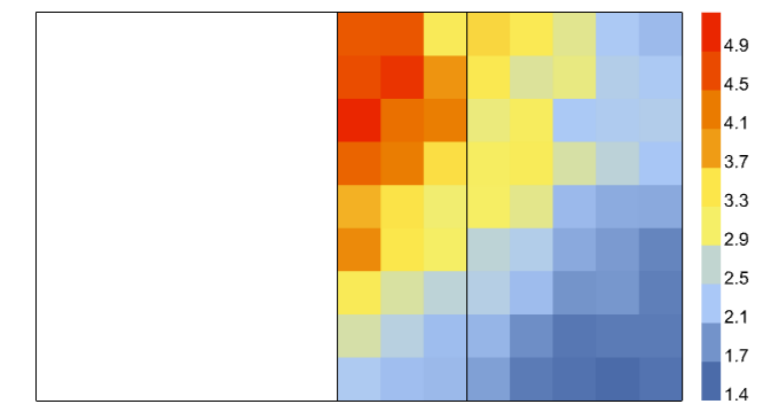


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

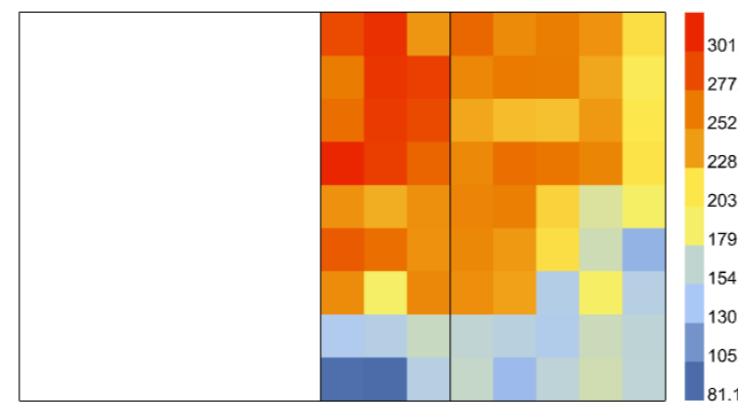


Annual Irradiance

1. Average Irradiance - [W/m²]

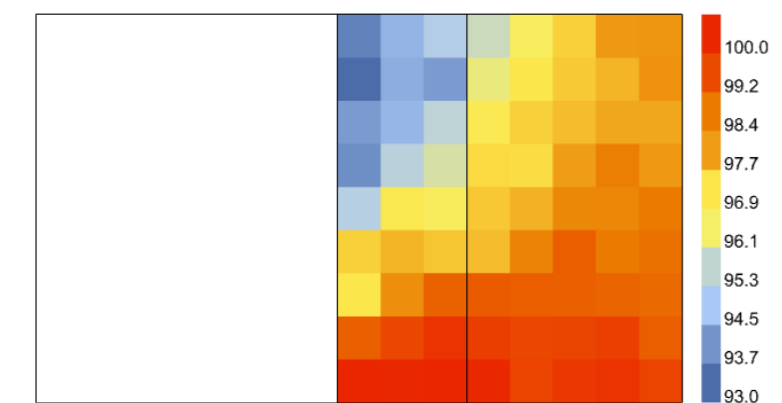


2. Peak Irradiance - [W/m²]



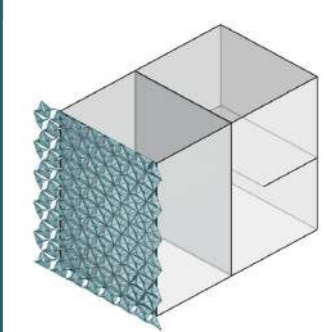
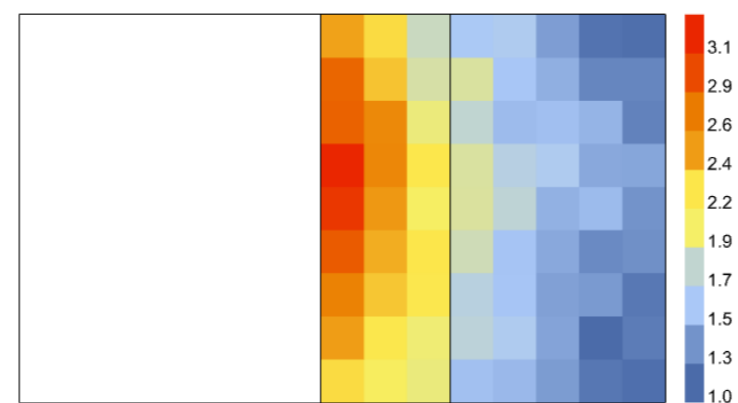
Annual Glare

1. Glare Autonomy (GA) - [%]

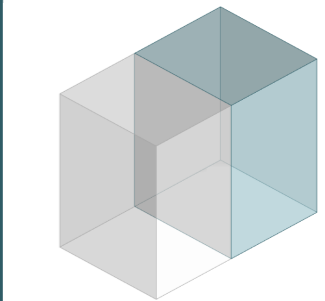


Daylight Factor

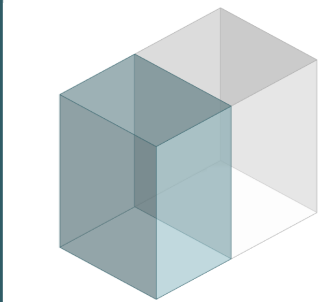
[%]



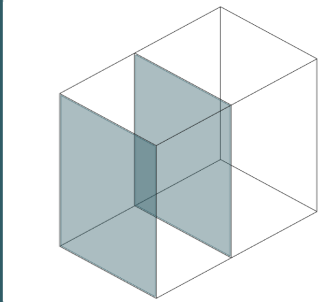
1. Modello Rhino



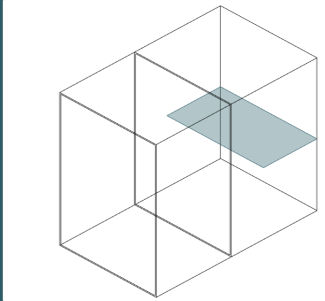
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



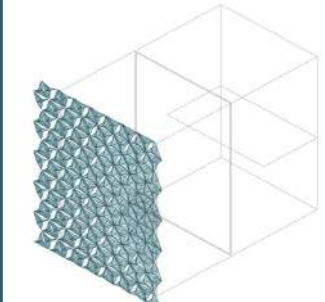
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,50 cm
Aperto verso Sud

121 ANALISI ILLUMINOTECNICHE
CP4.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

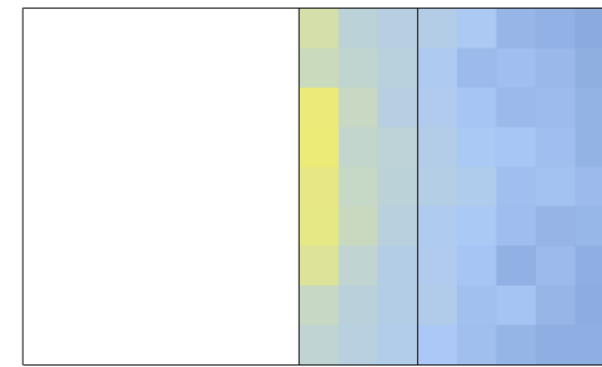
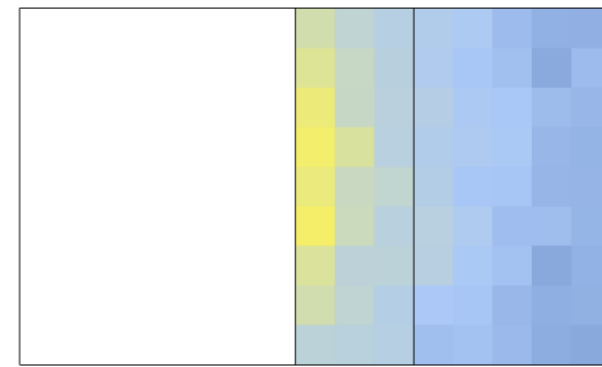
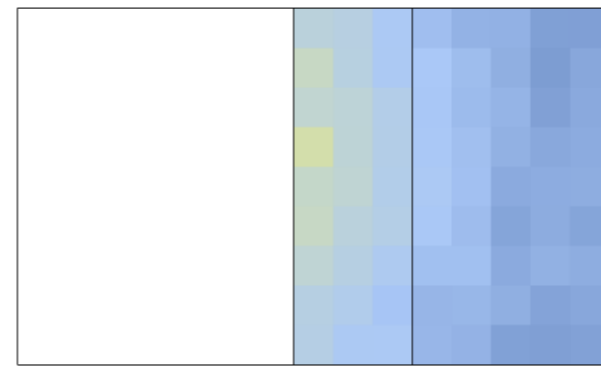
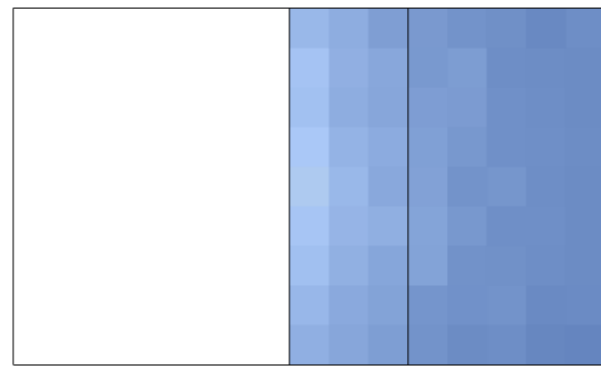
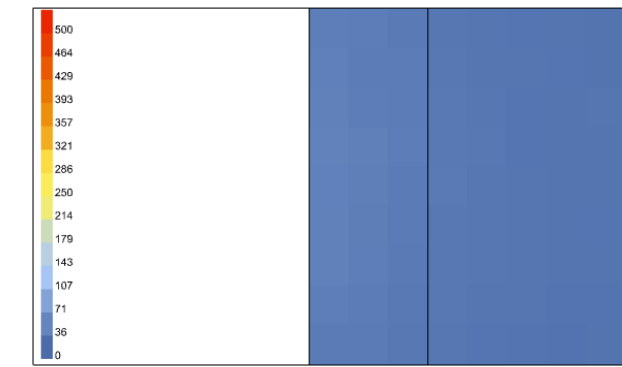
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



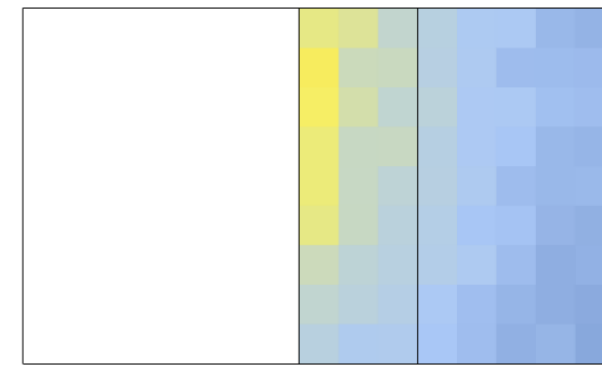
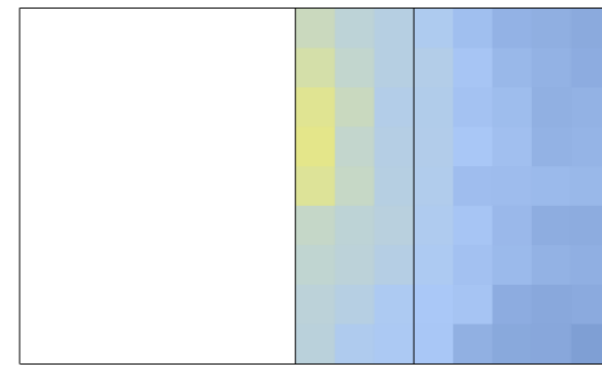
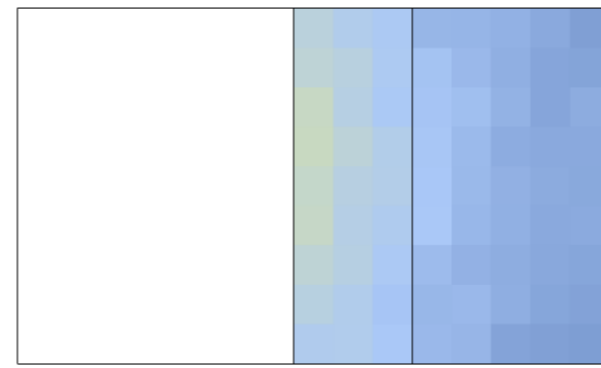
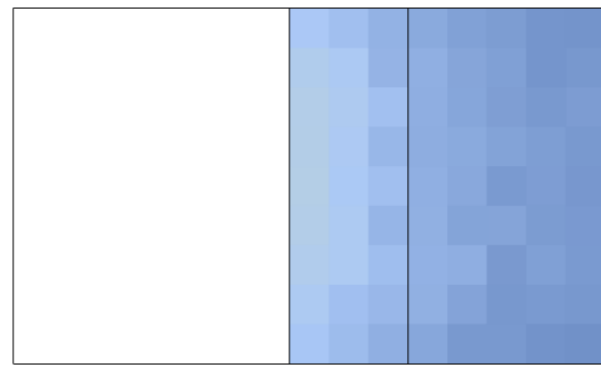
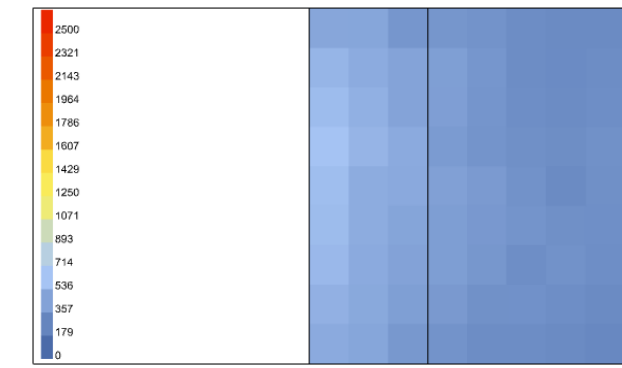
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



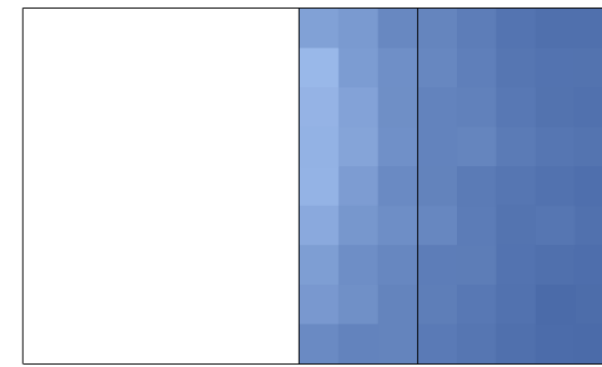
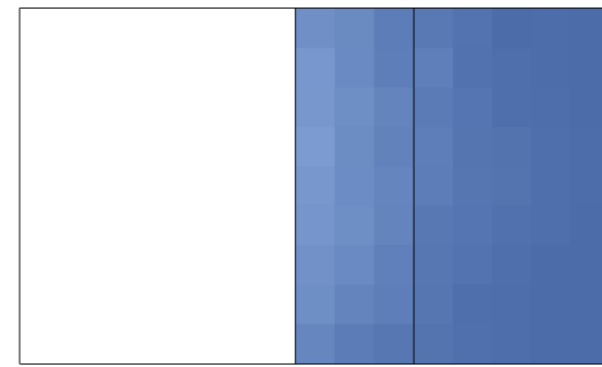
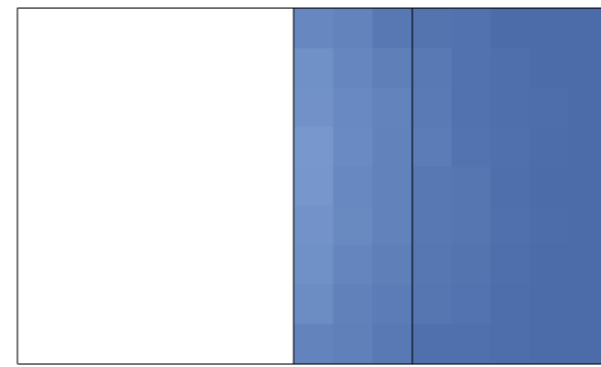
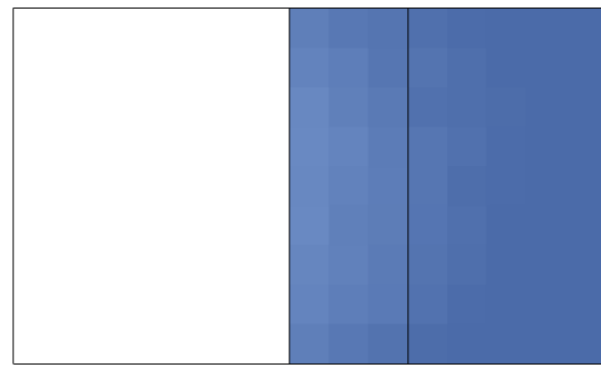
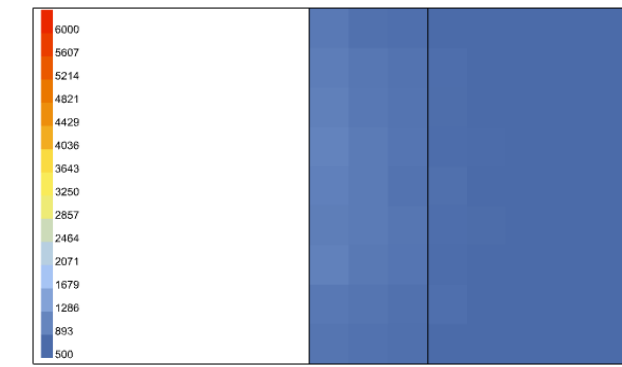
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



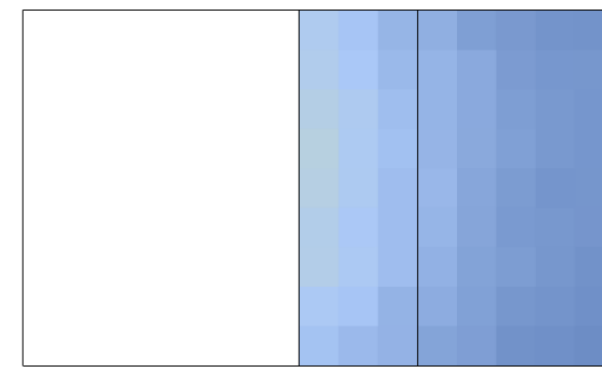
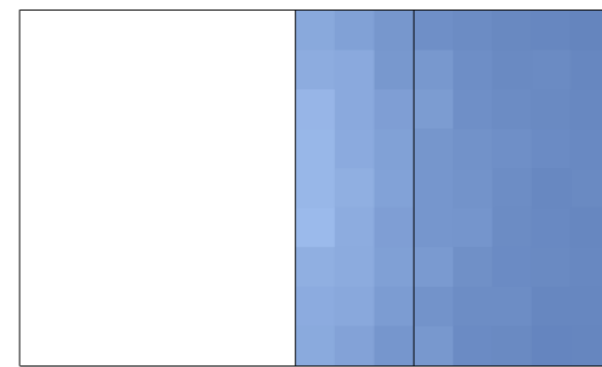
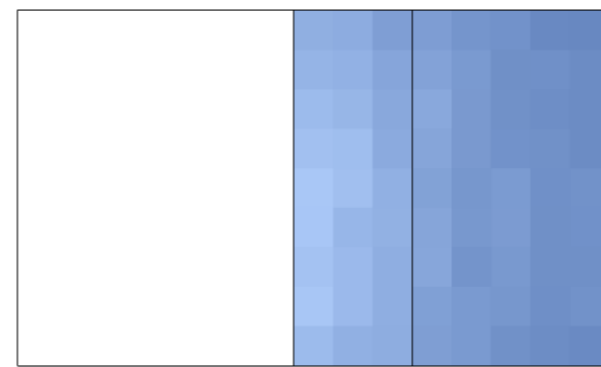
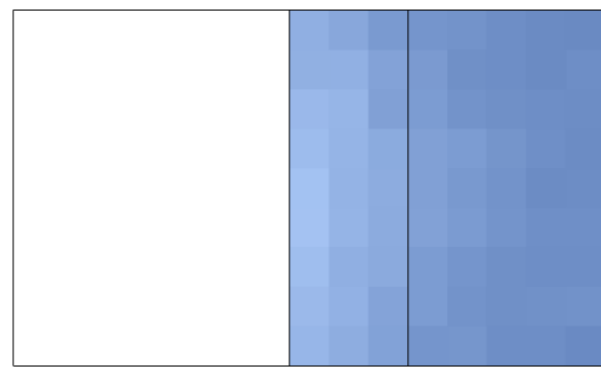
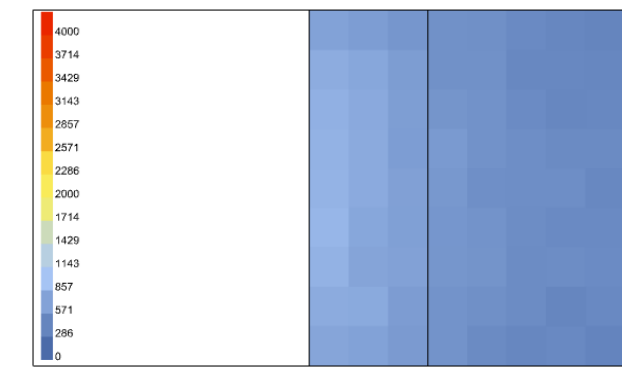
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



122 ANALISI ILLUMINOTECNICHE
CP4.2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

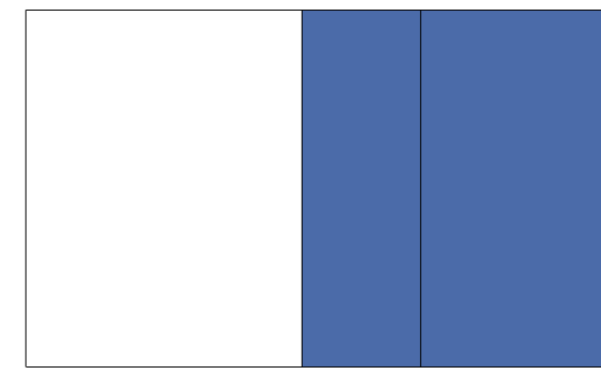
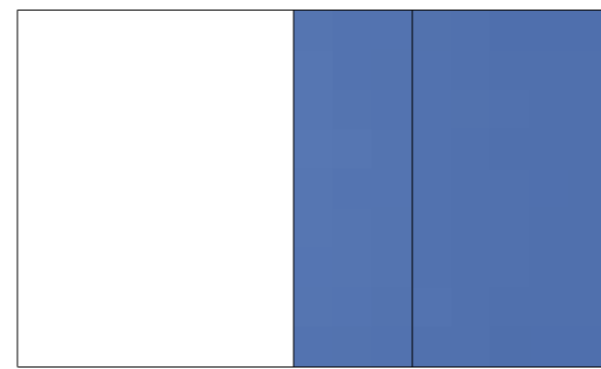
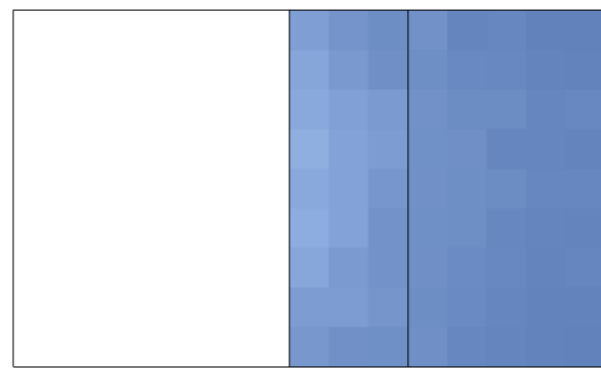
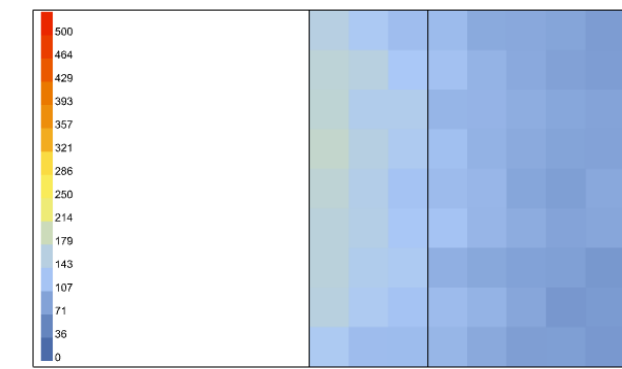
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



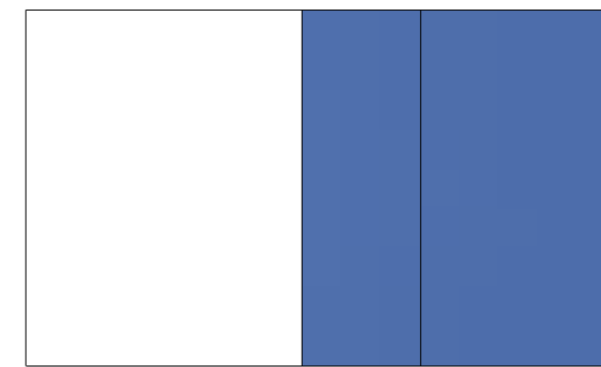
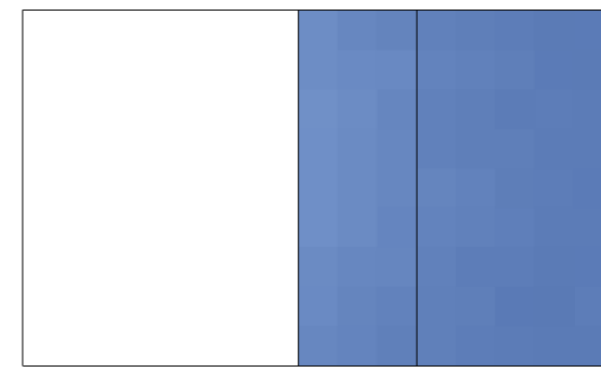
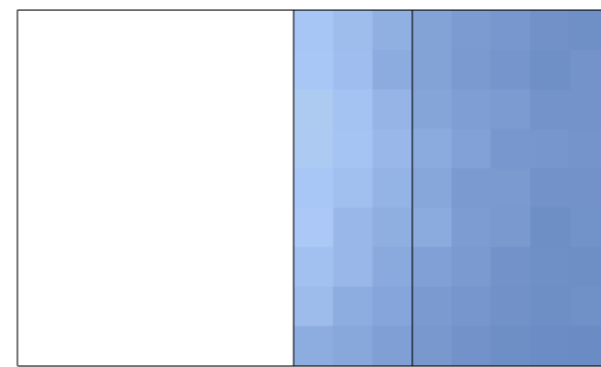
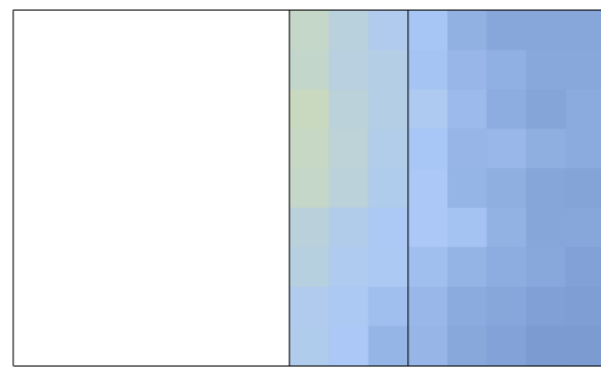
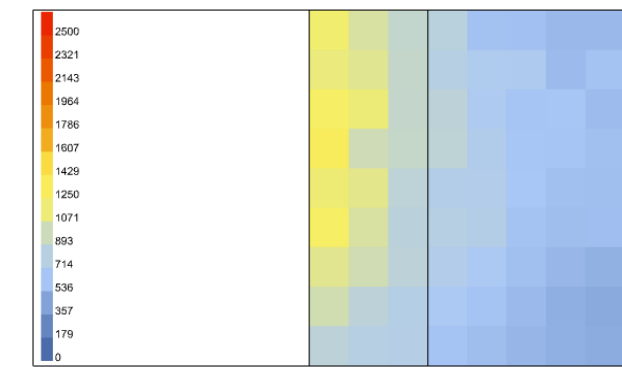
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



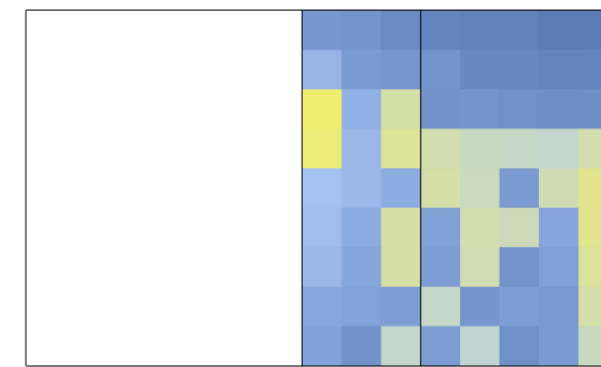
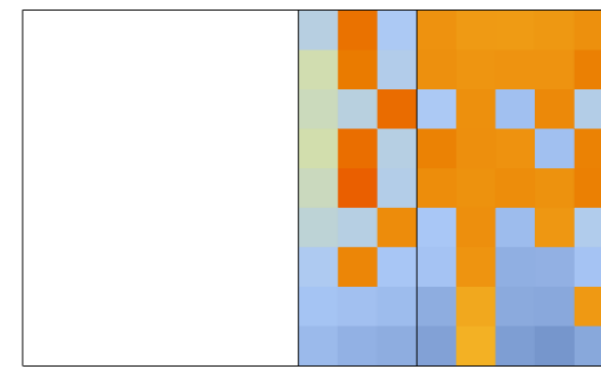
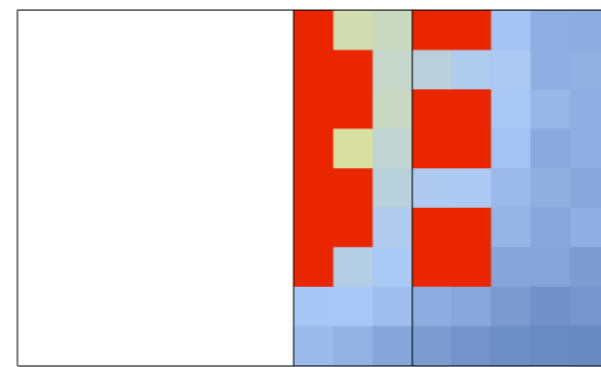
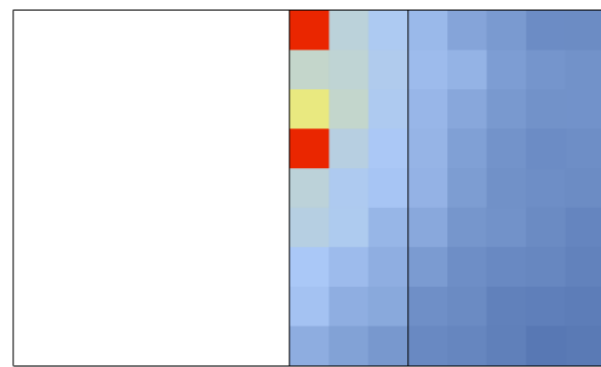
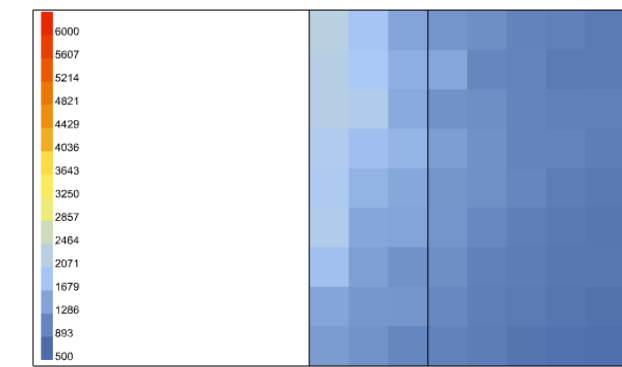
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



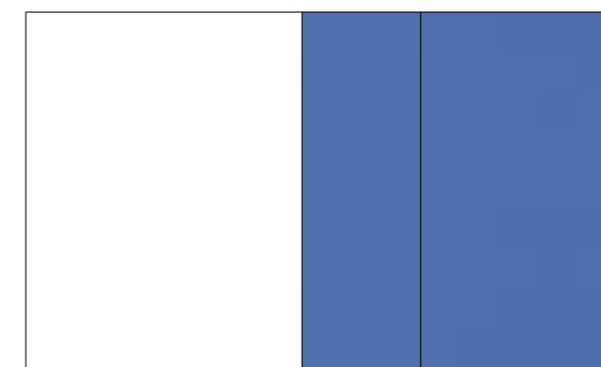
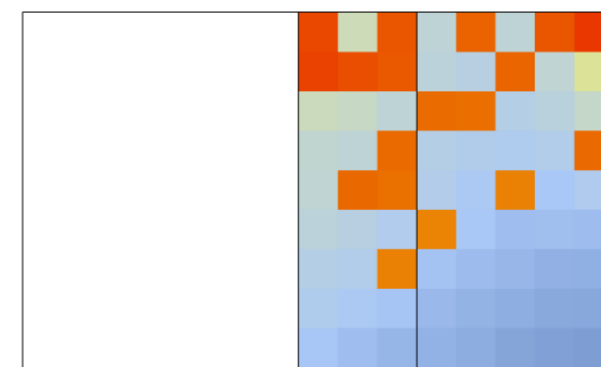
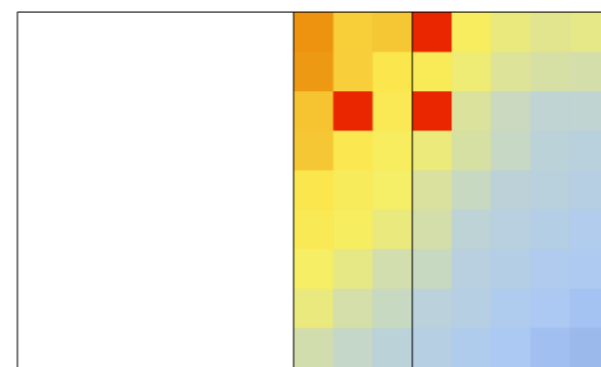
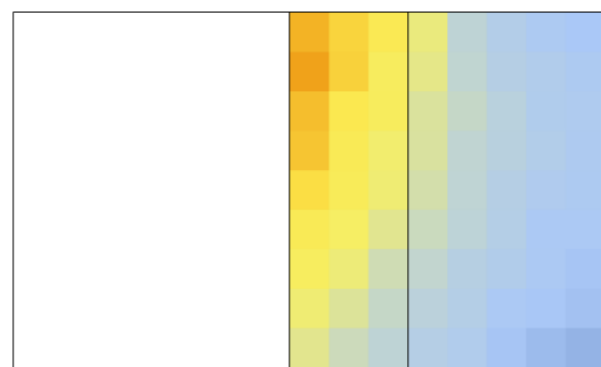
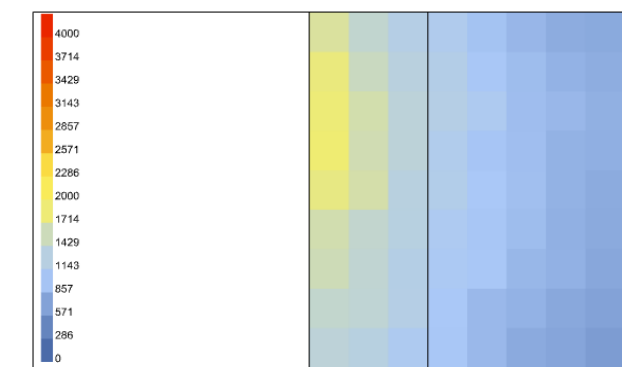
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



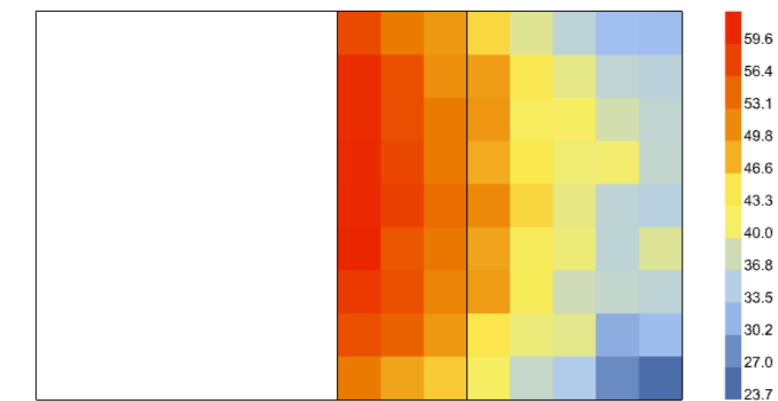
123 ANALISI ILLUMINOTECNICHE
CP4.2



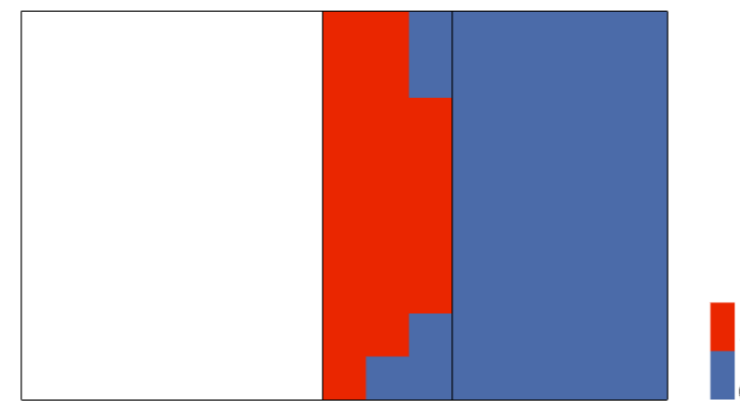
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

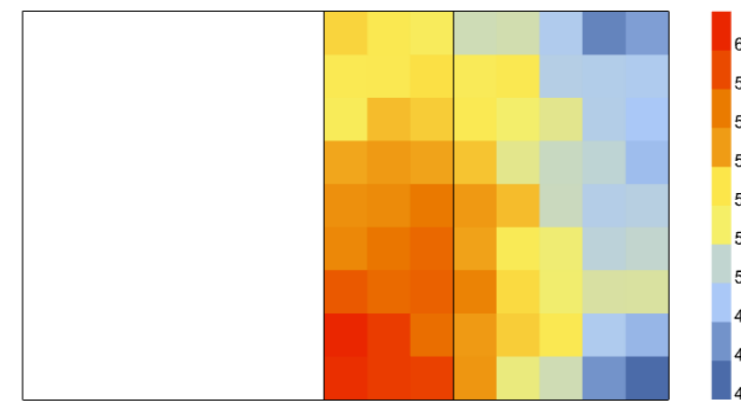
1. Daylight Autonomy (DA) - [%]



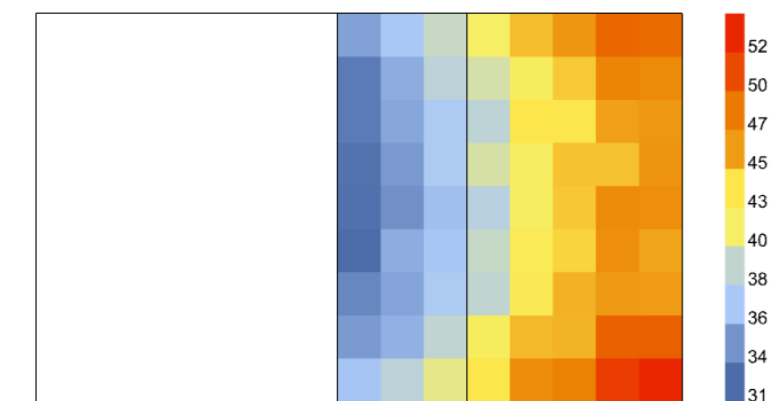
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



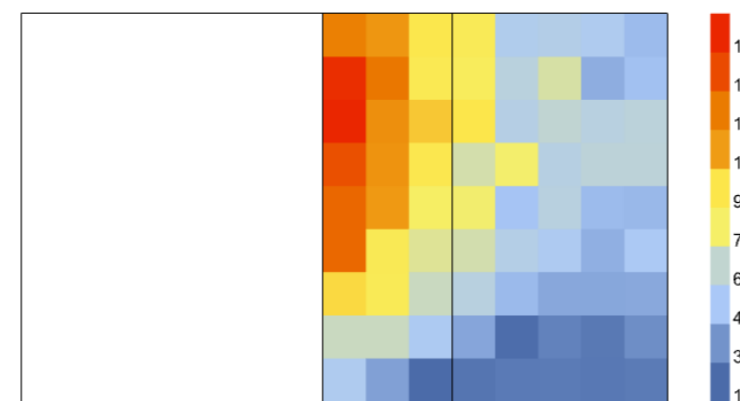
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

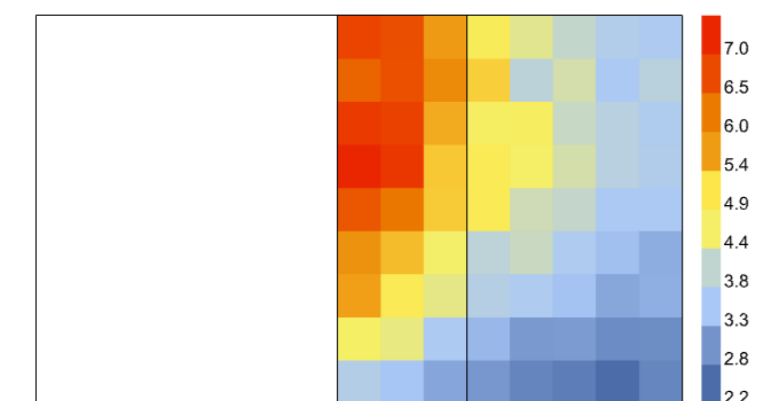


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

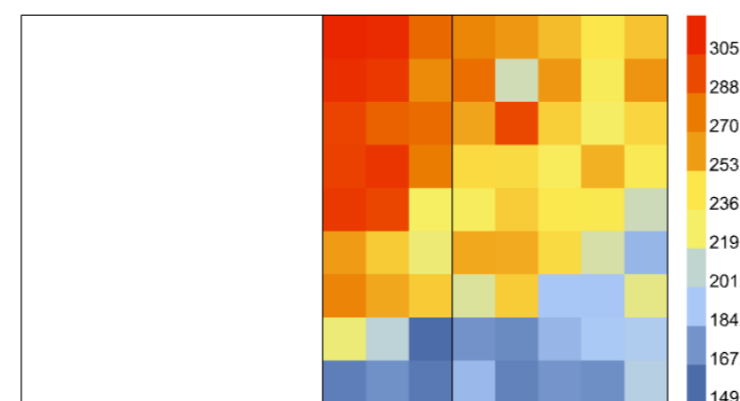


Annual Irradiance

1. Average Irradiance - [W/m²]

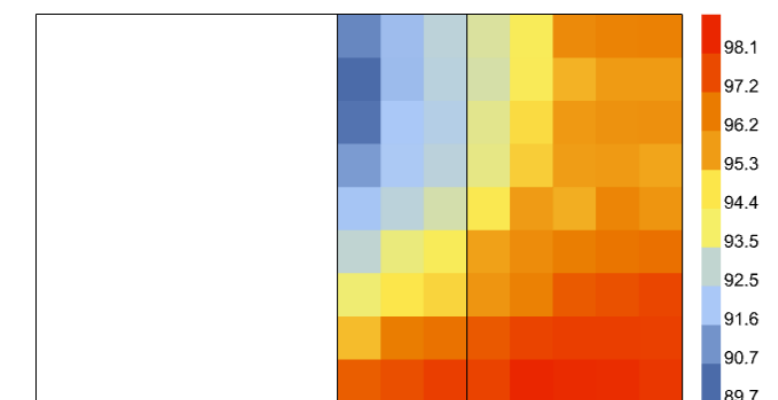


2. Peak Irradiance - [W/m²]



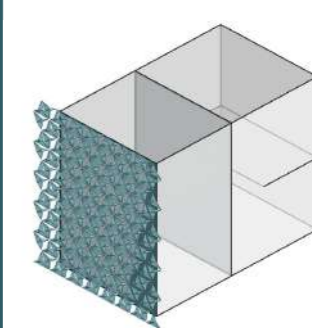
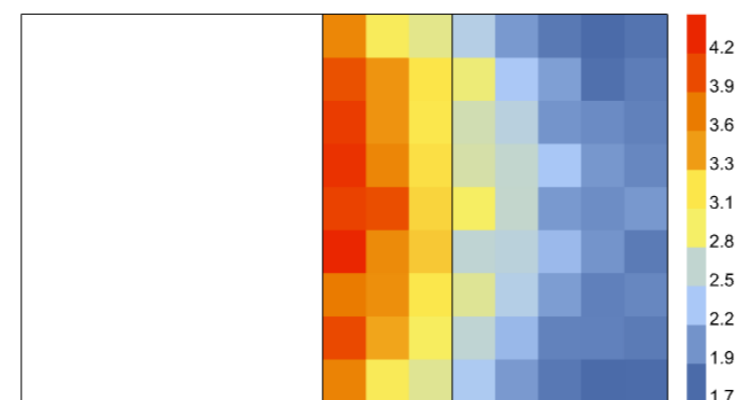
Annual Glare

1. Glare Autonomy (GA) - [%]

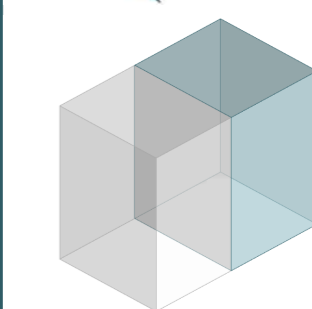


Daylight Factor

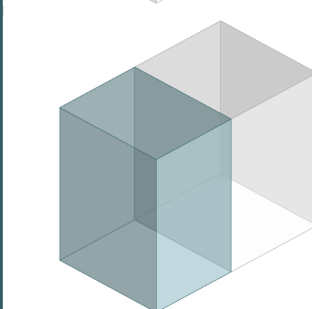
[%]



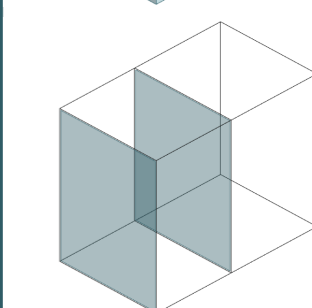
1. Modello Rhino



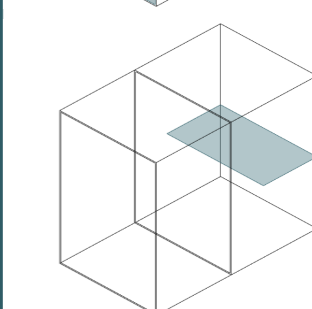
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



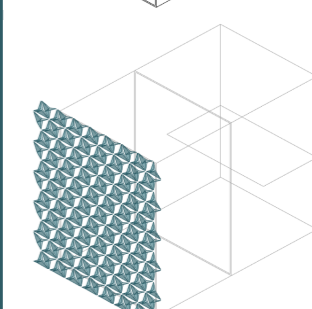
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Totalmente chiuso

124 ANALISI ILLUMINOTECNICHE
CP1.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

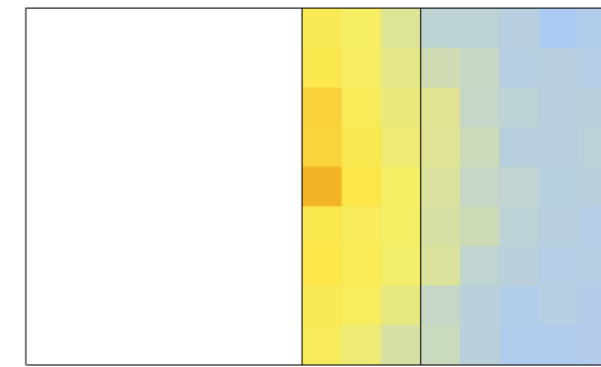
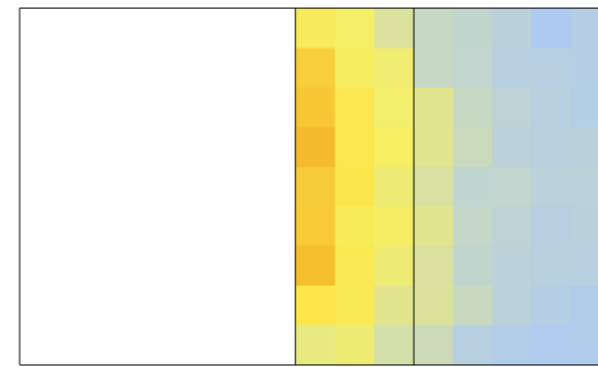
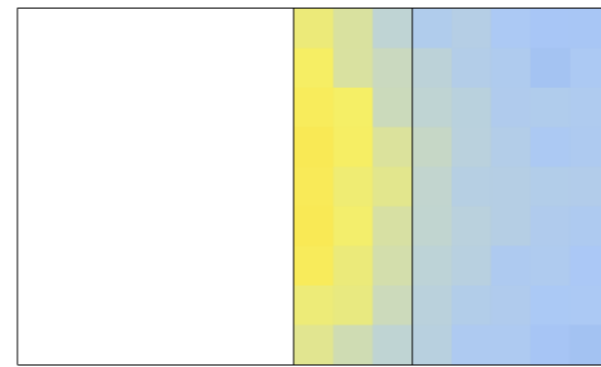
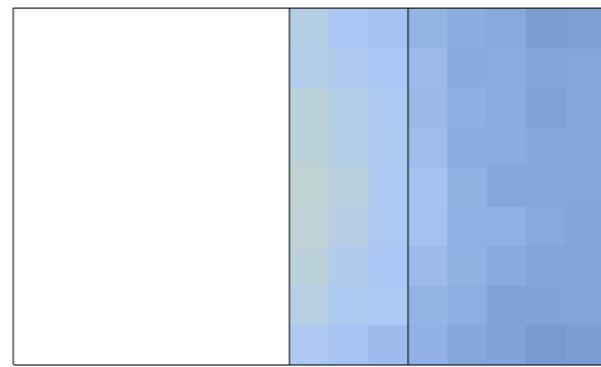
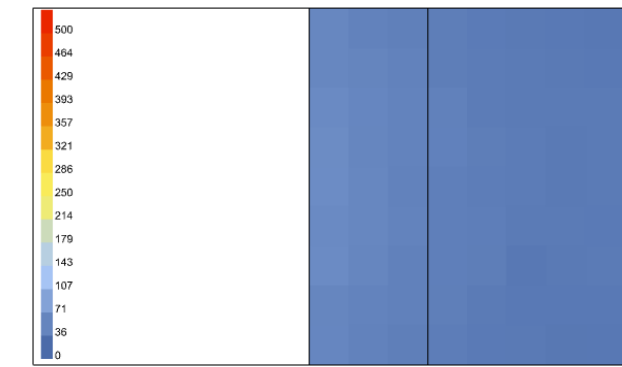
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



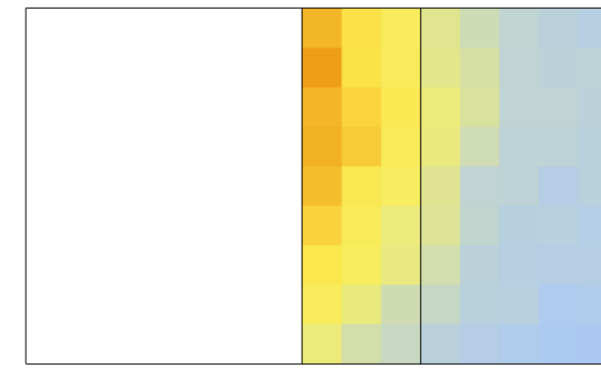
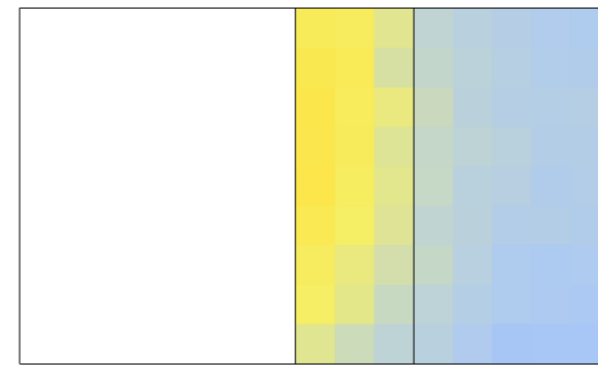
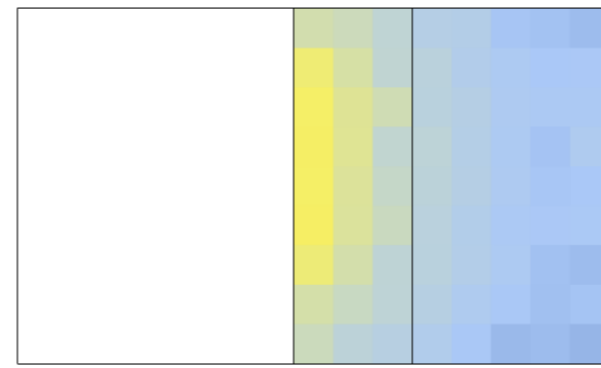
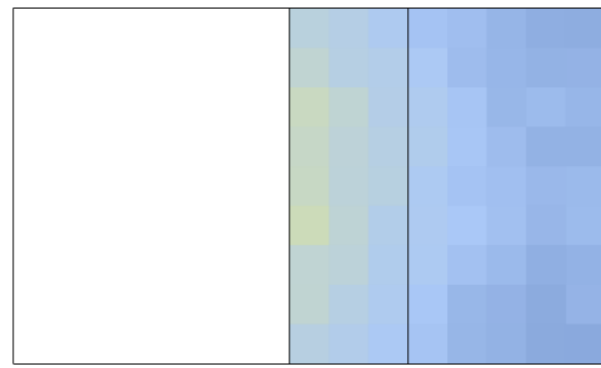
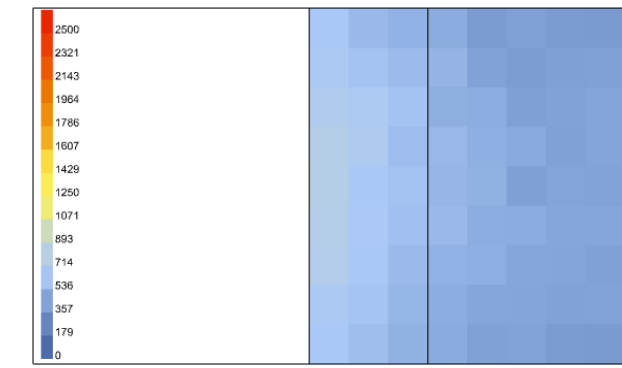
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



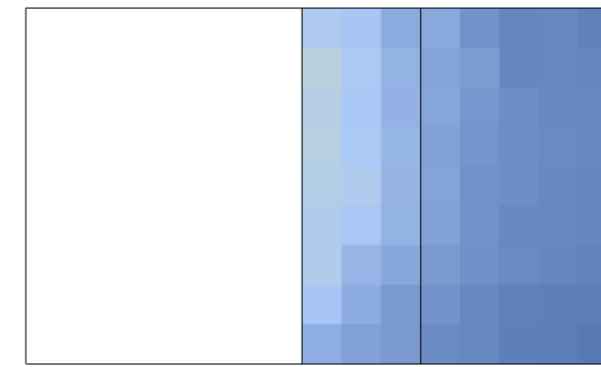
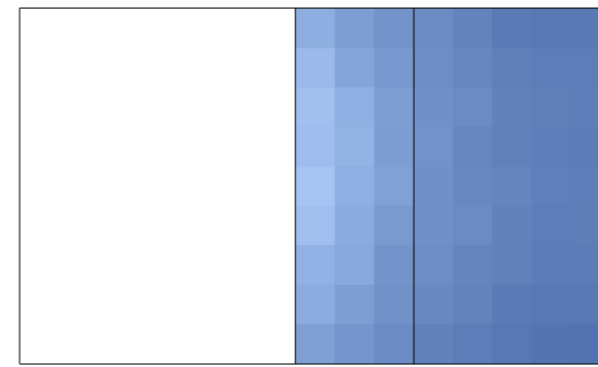
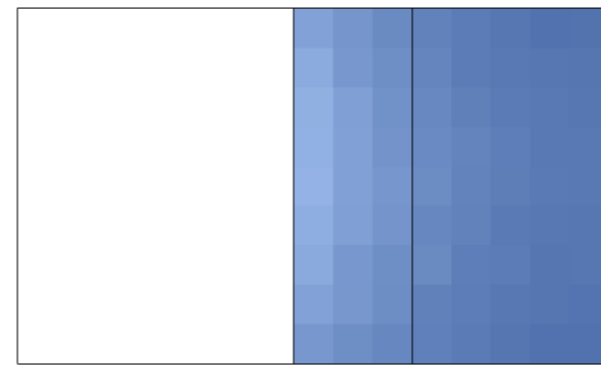
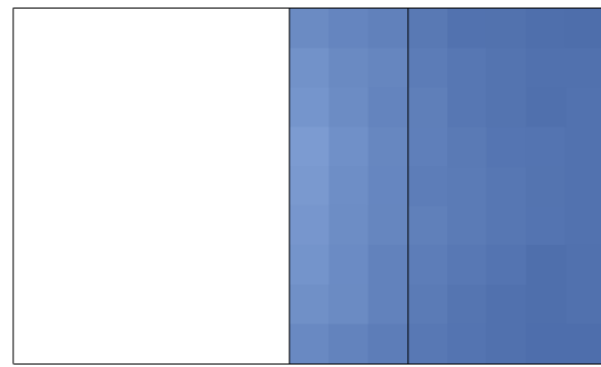
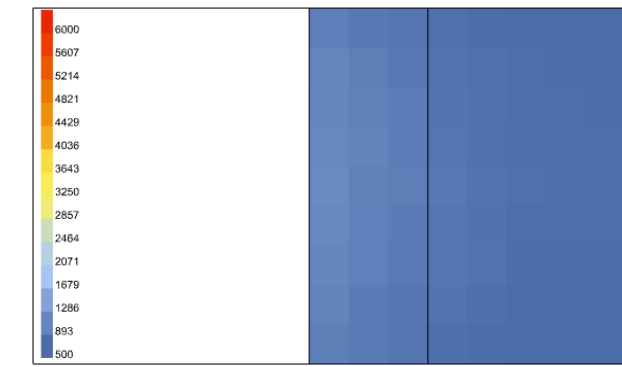
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



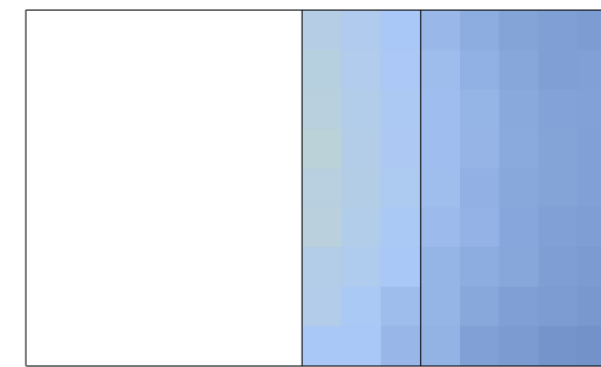
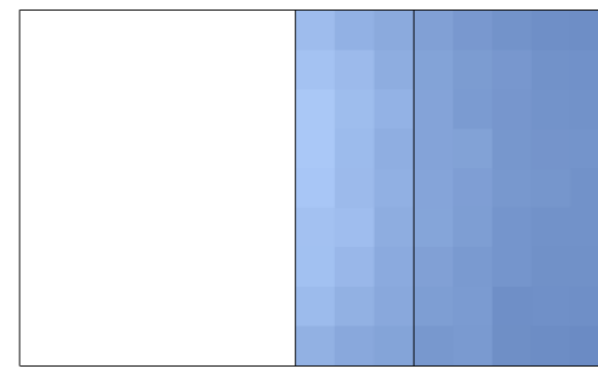
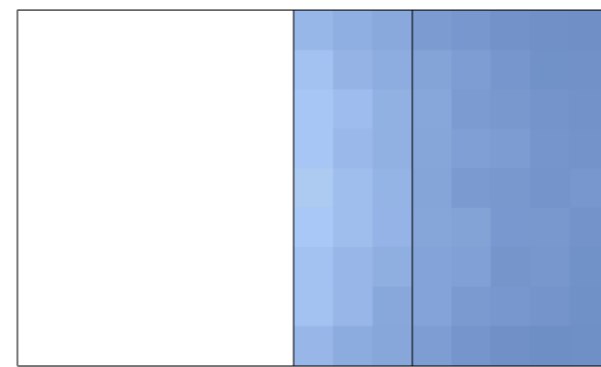
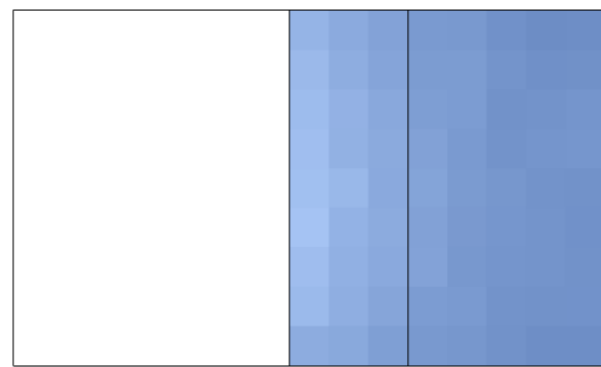
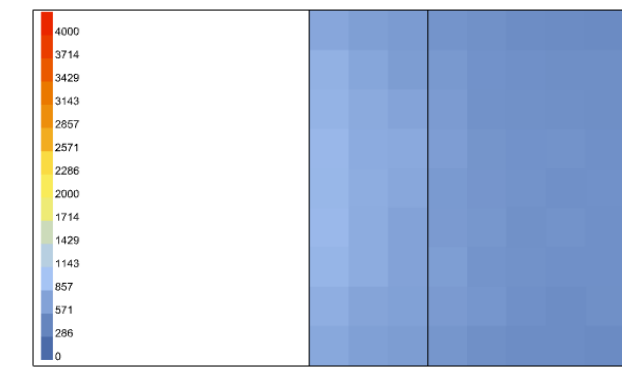
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



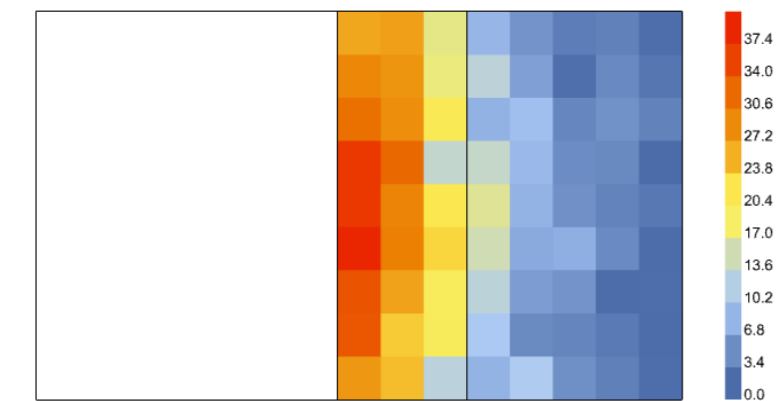
125 ANALISI ILLUMINOTECNICHE
CP1.3



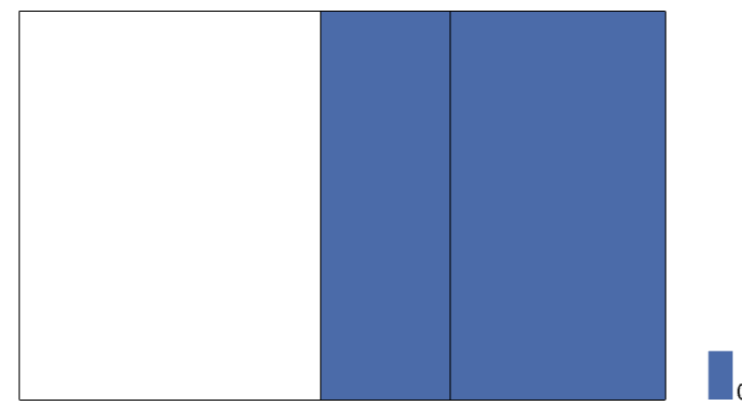
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

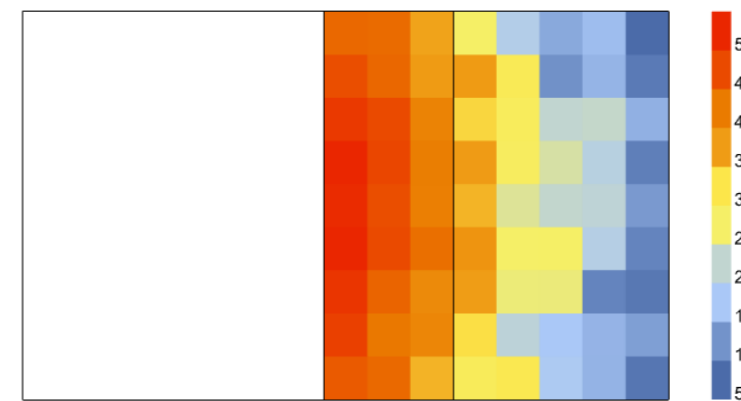
1. Daylight Autonomy (DA) - [%]



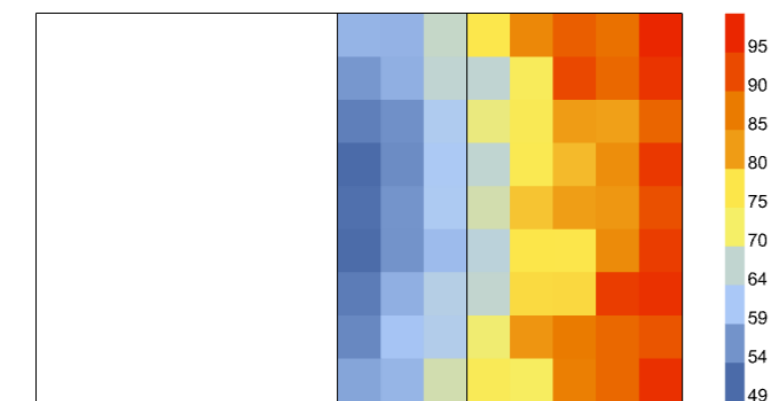
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



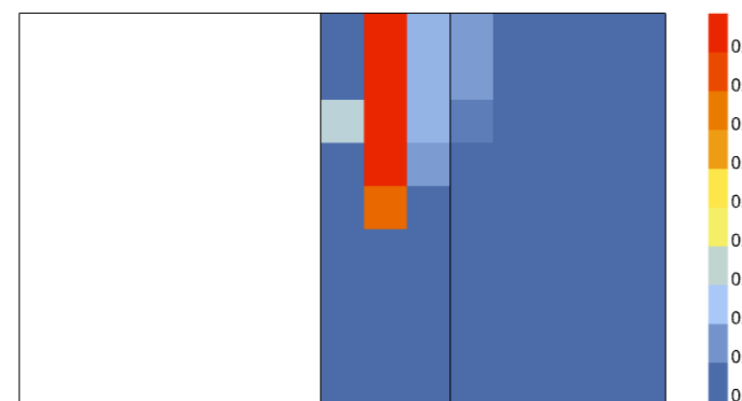
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

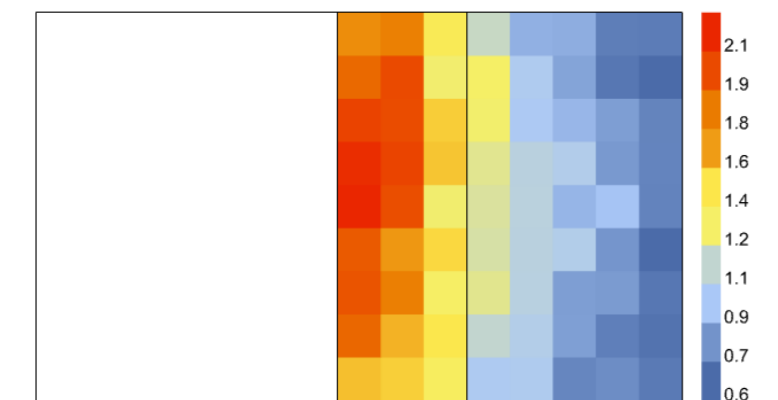


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

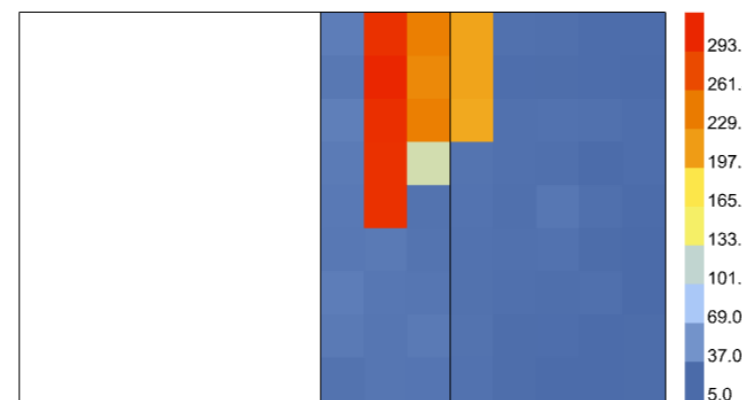


Annual Irradiance

1. Average Irradiance - [W/m²]

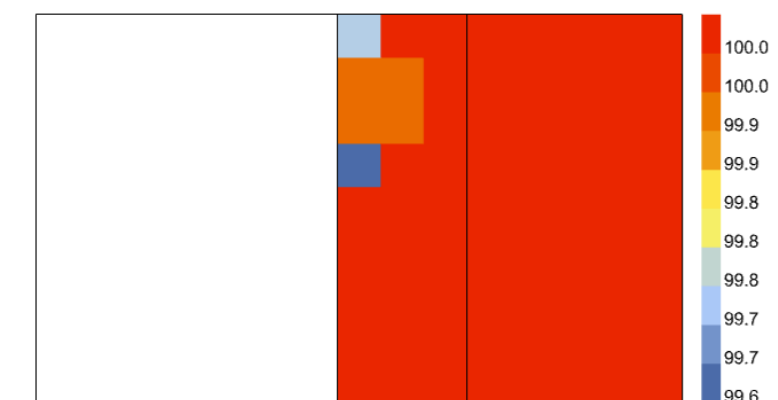


2. Peak Irradiance - [W/m²]



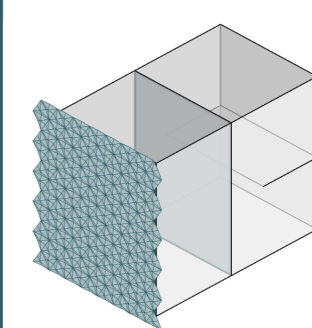
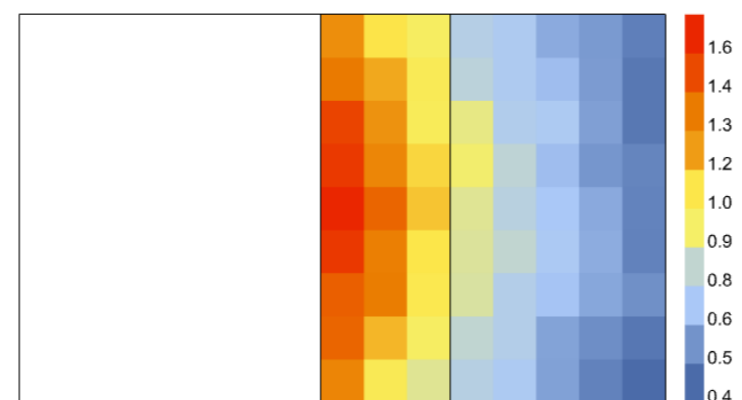
Annual Glare

1. Glare Autonomy (GA) - [%]



Daylight Factor

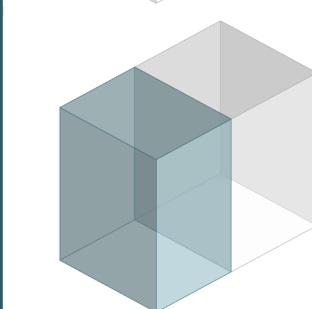
[%]



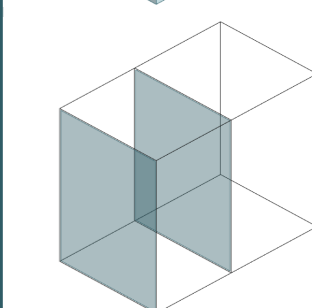
1. Modello Rhino



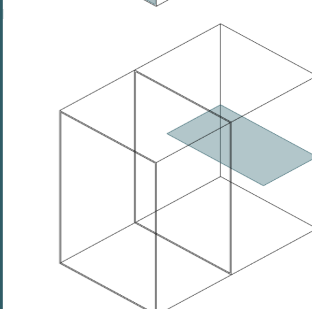
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



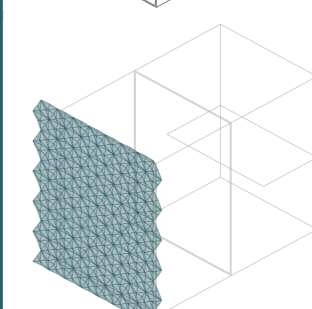
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmissione = 0,3
Distanza = 0,60 cm
Totalmente aperto

127 ANALISI ILLUMINOTECNICHE
CP2.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

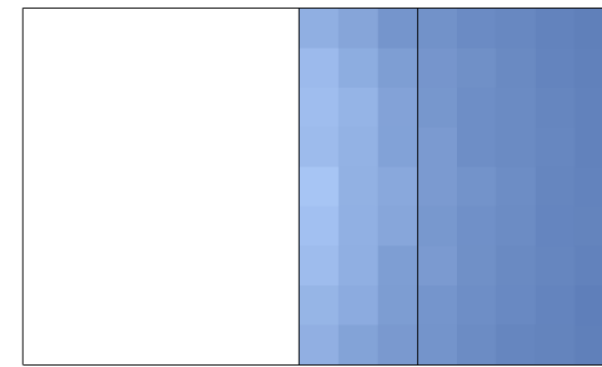
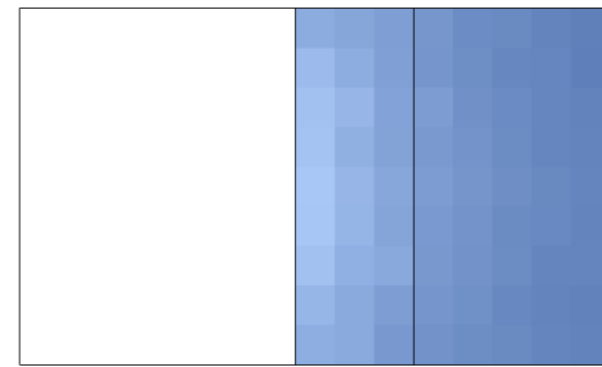
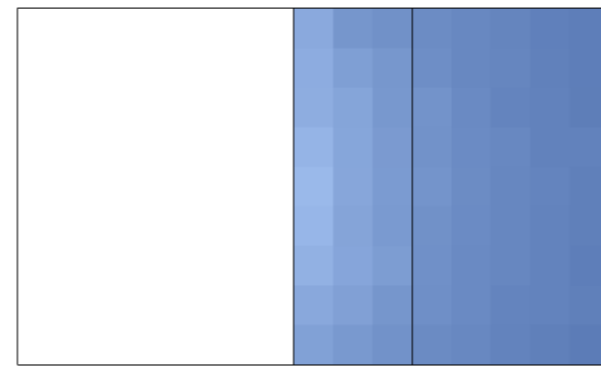
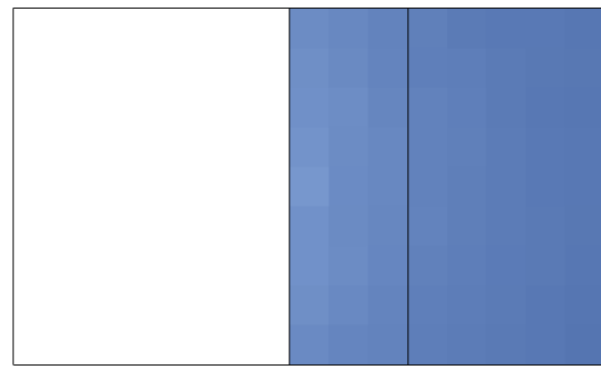
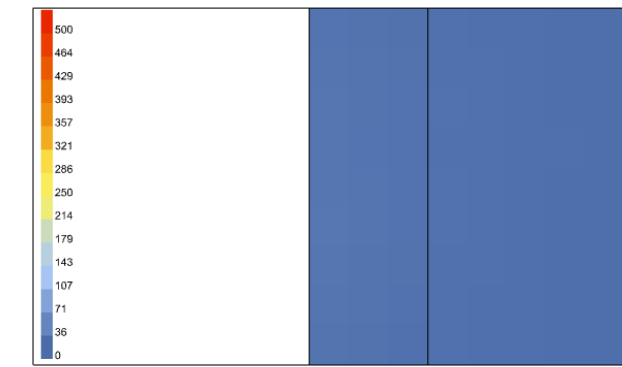
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



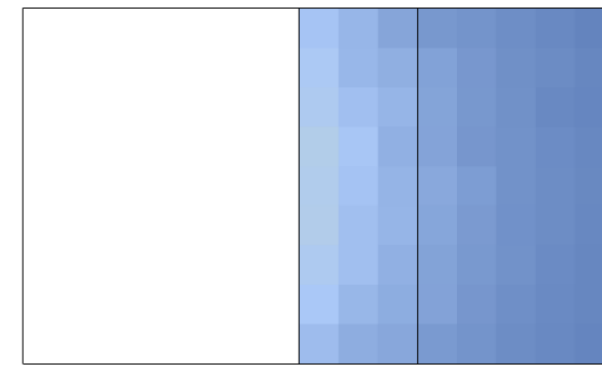
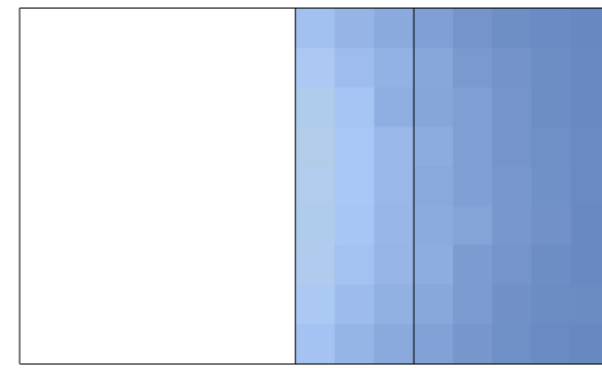
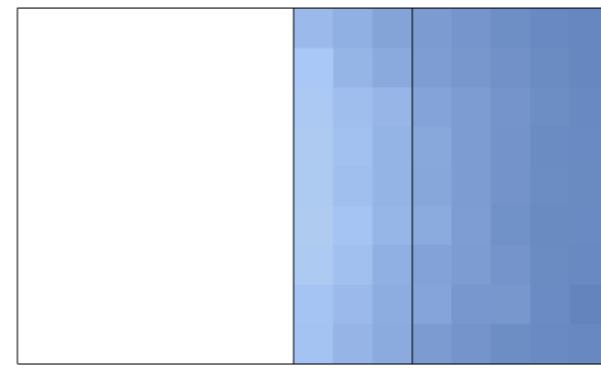
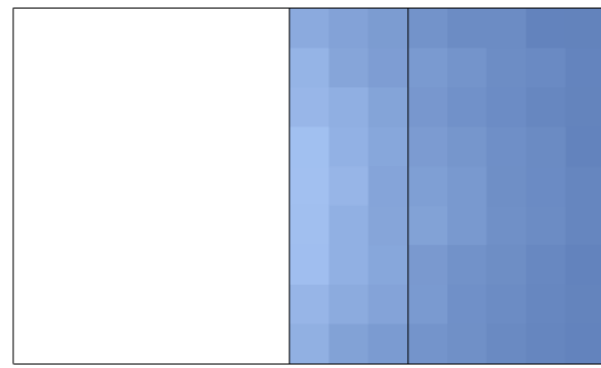
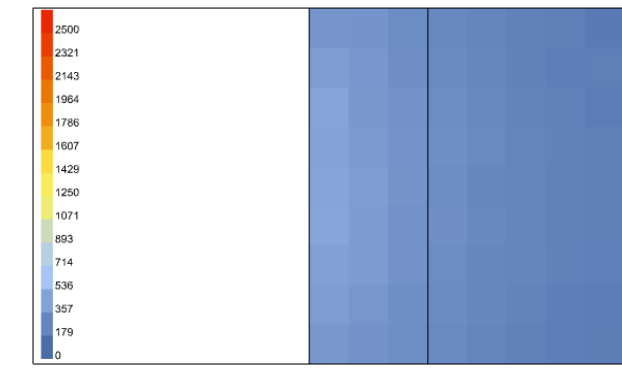
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



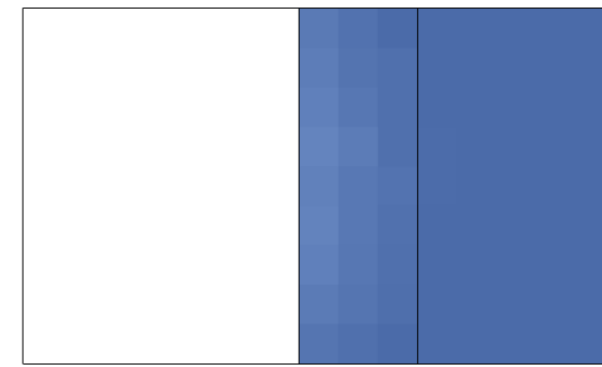
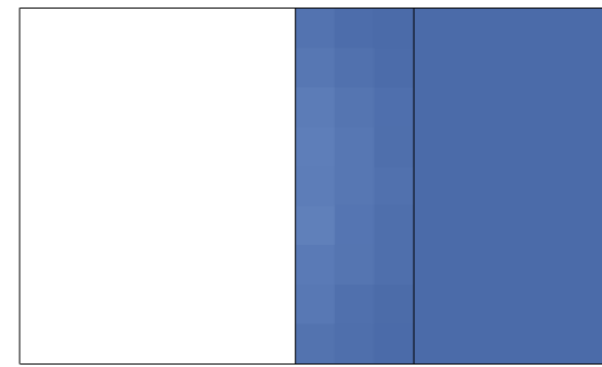
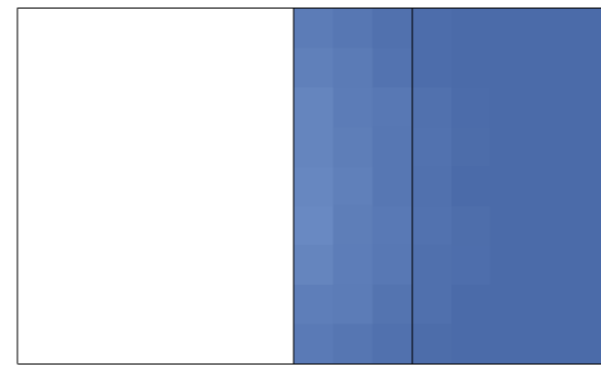
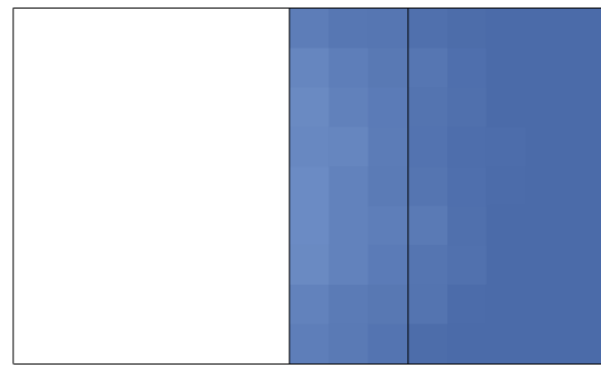
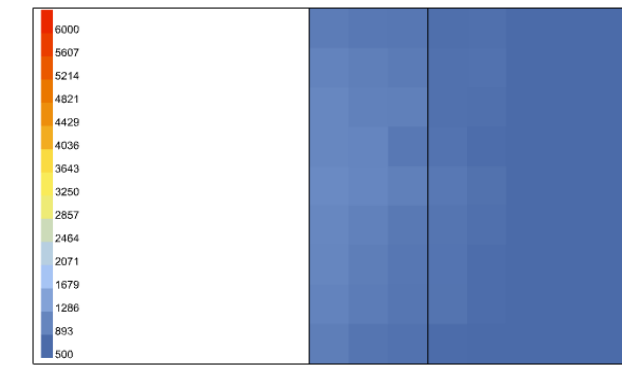
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



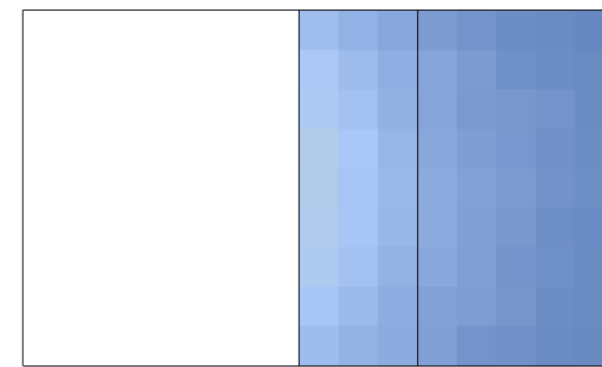
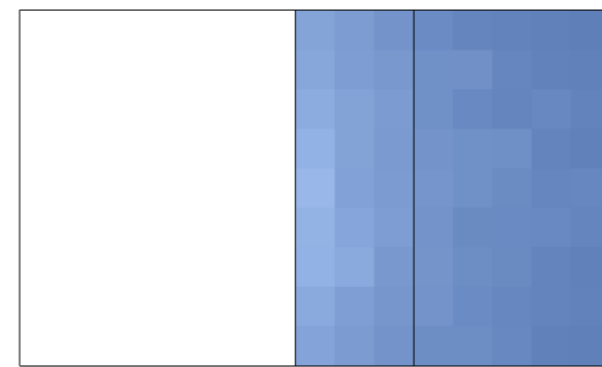
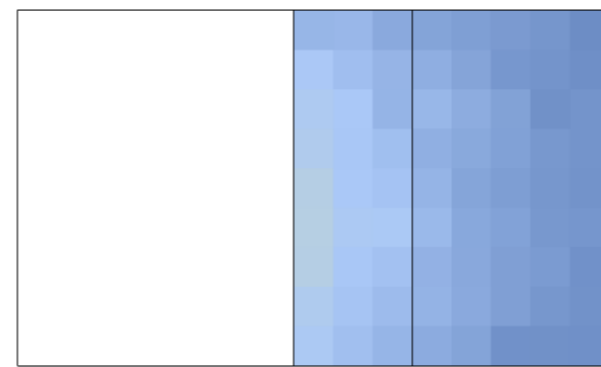
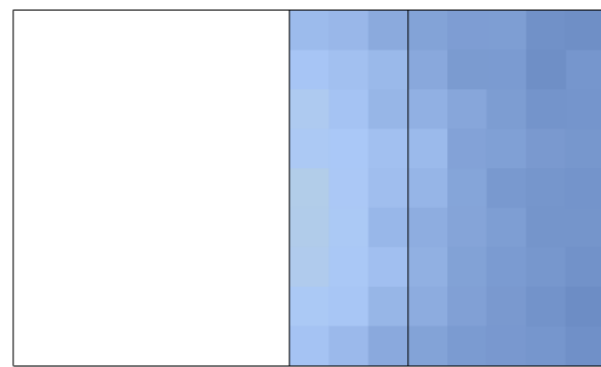
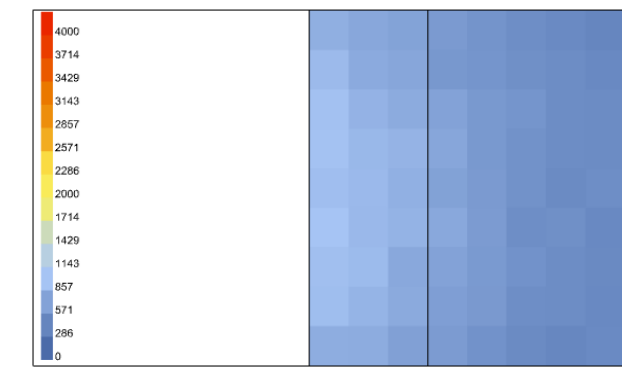
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



128 ANALISI ILLUMINOTECNICHE
CP2.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

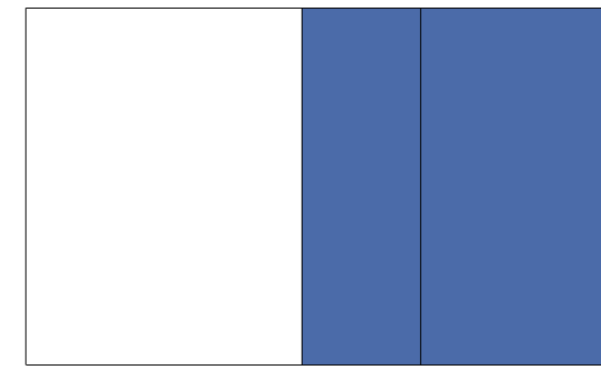
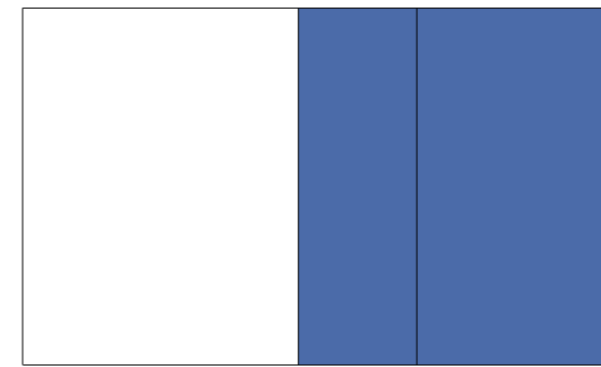
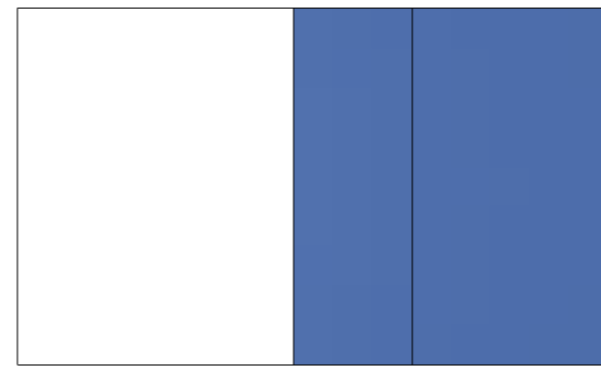
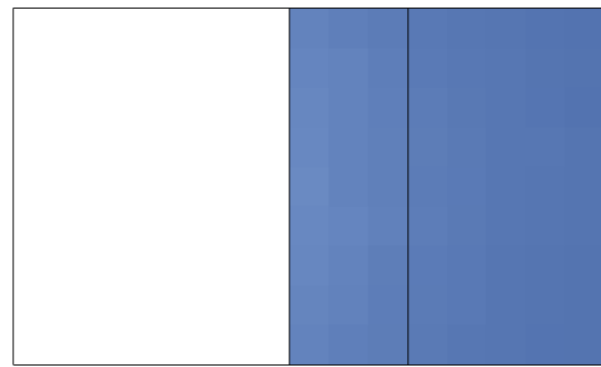
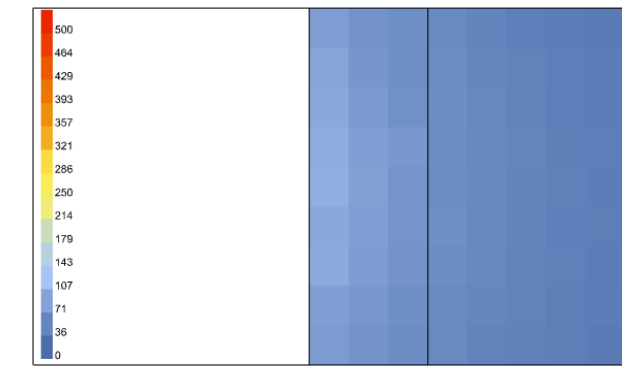
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



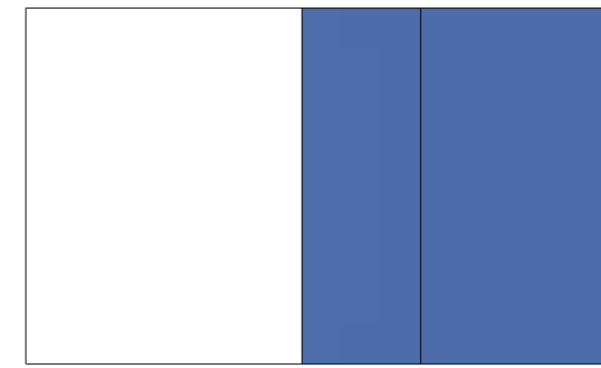
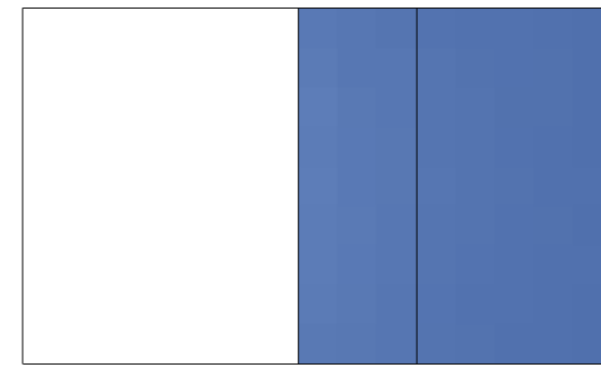
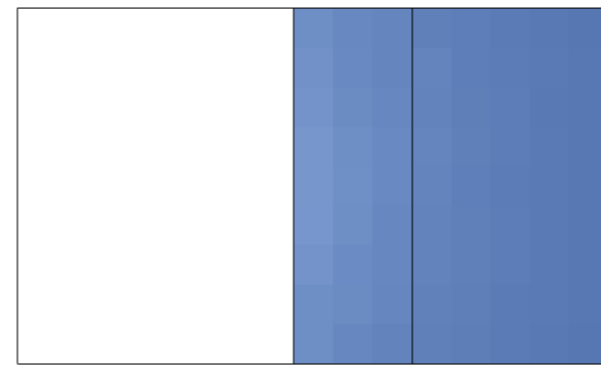
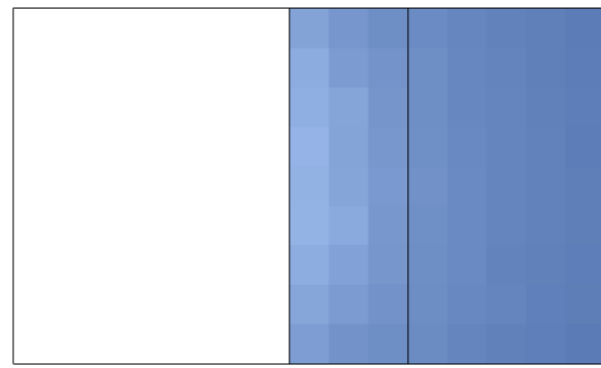
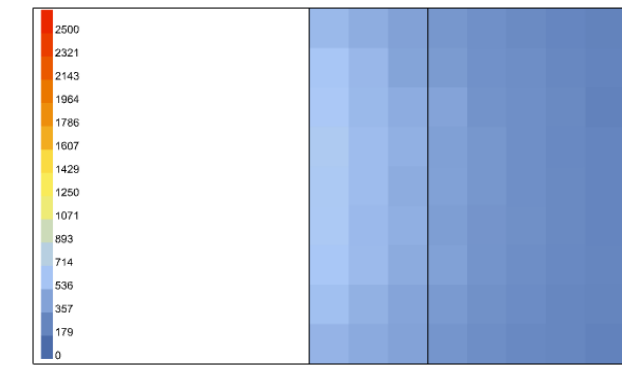
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



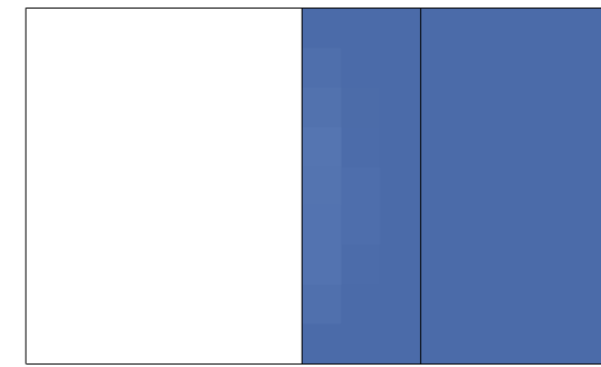
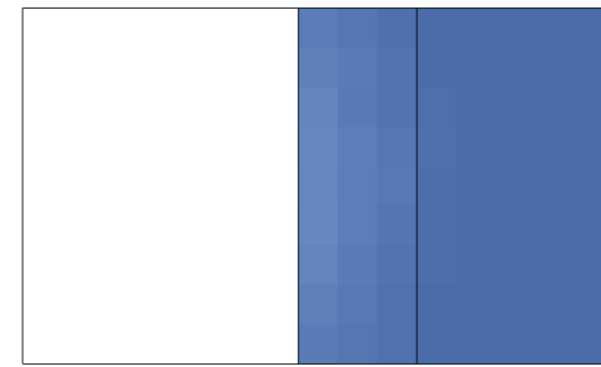
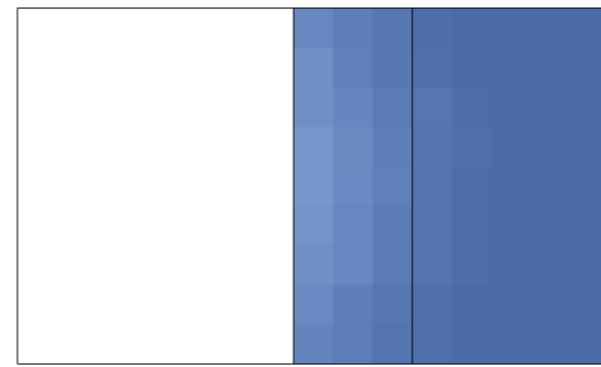
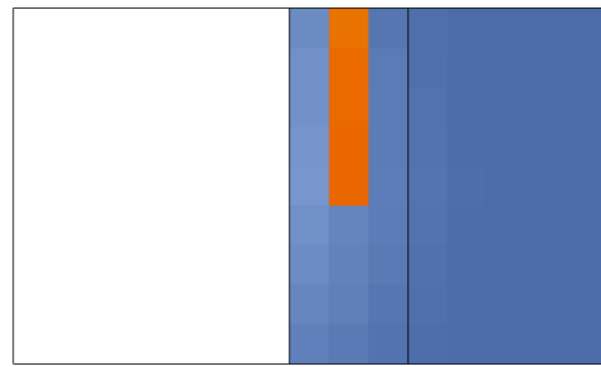
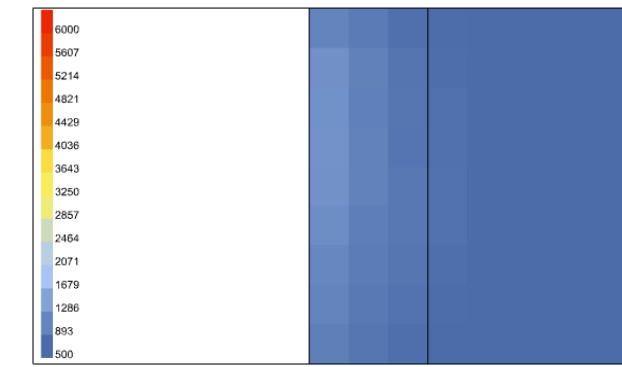
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



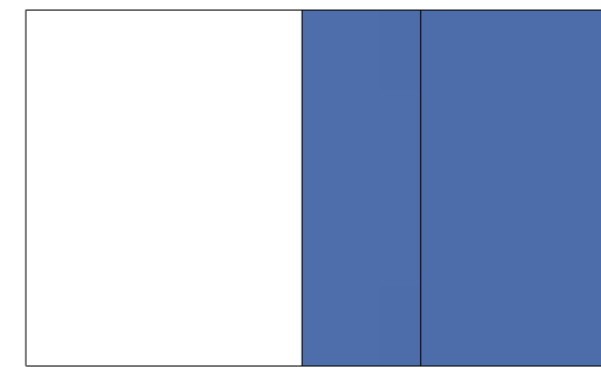
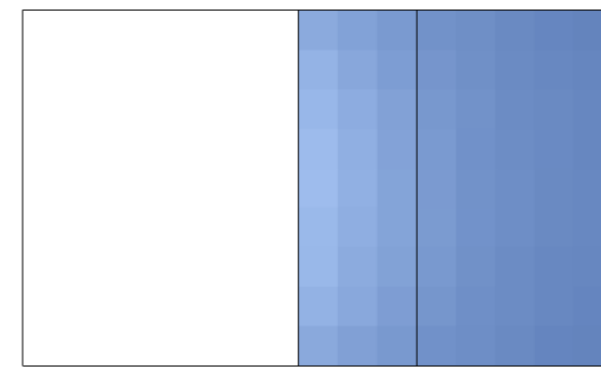
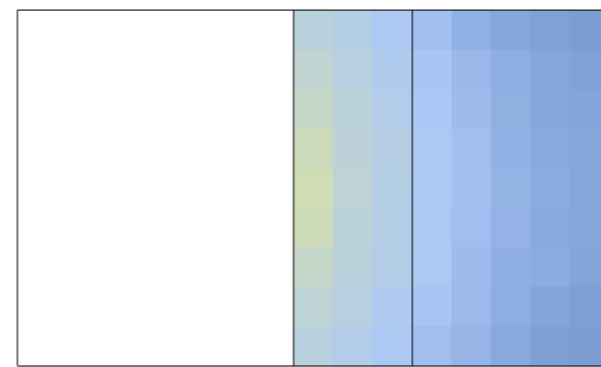
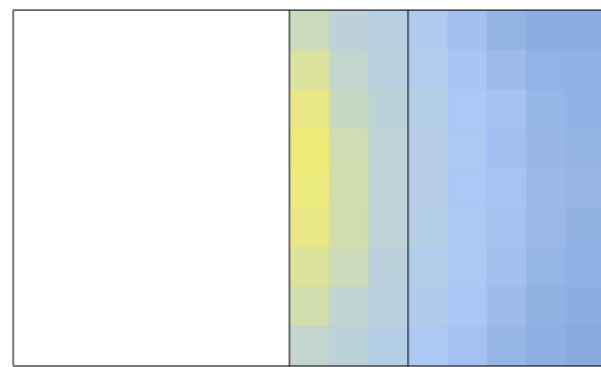
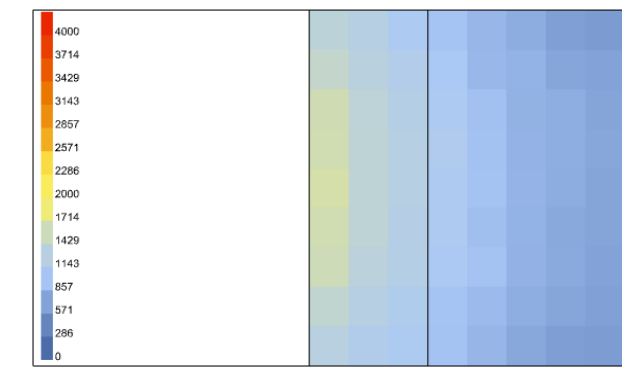
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



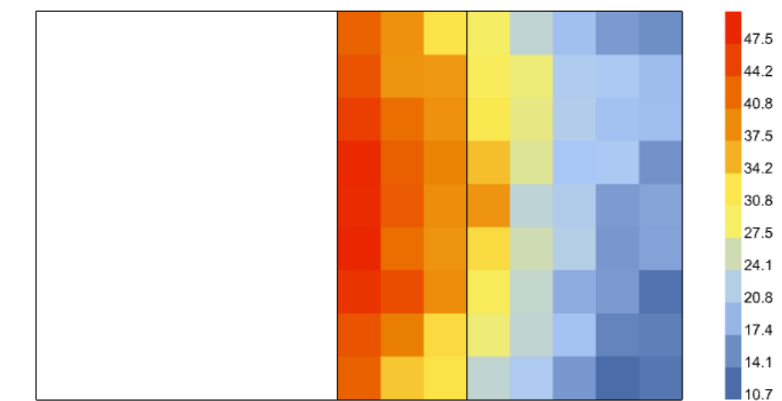
129 ANALISI ILLUMINOTECNICHE
CP2.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

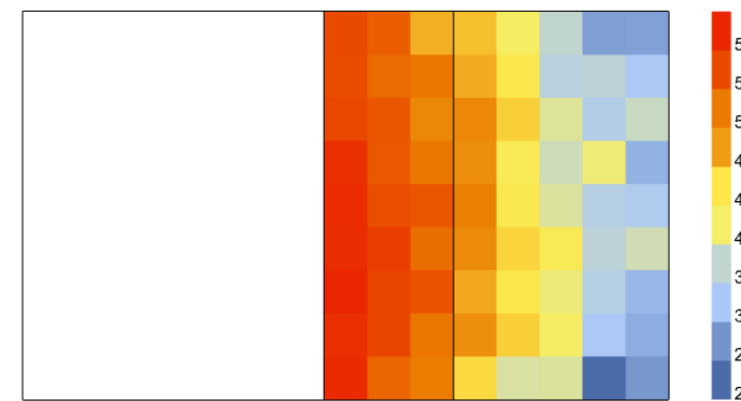
1. Daylight Autonomy (DA) - [%]



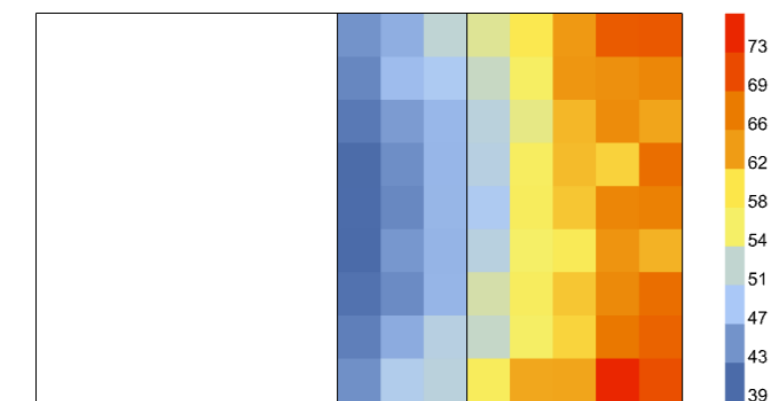
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



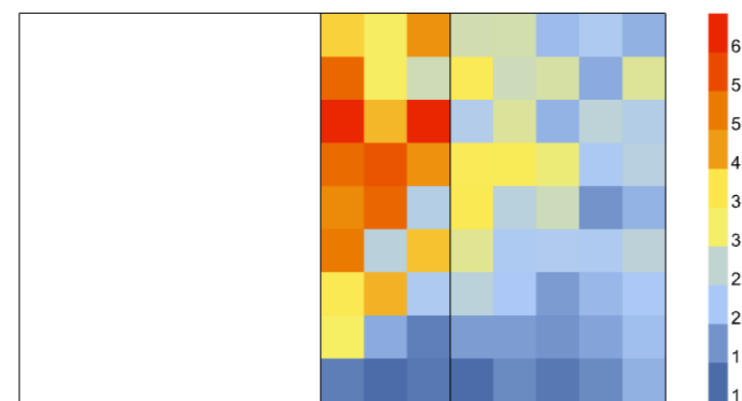
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

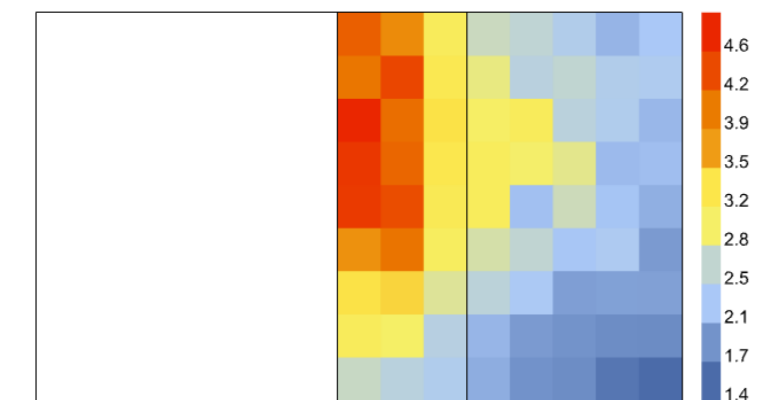


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

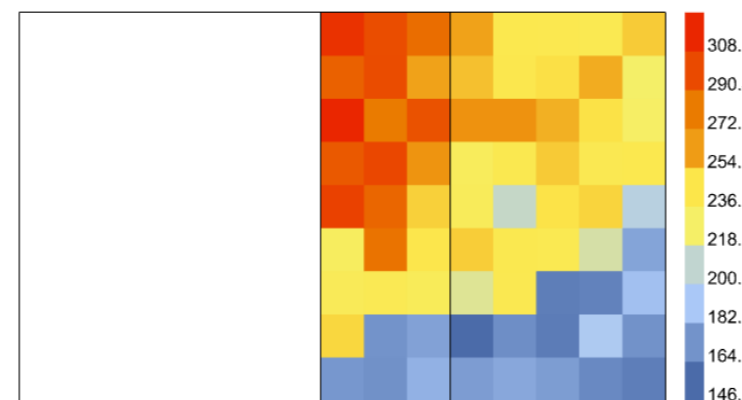


Annual Irradiance

1. Average Irradiance - [W/m²]

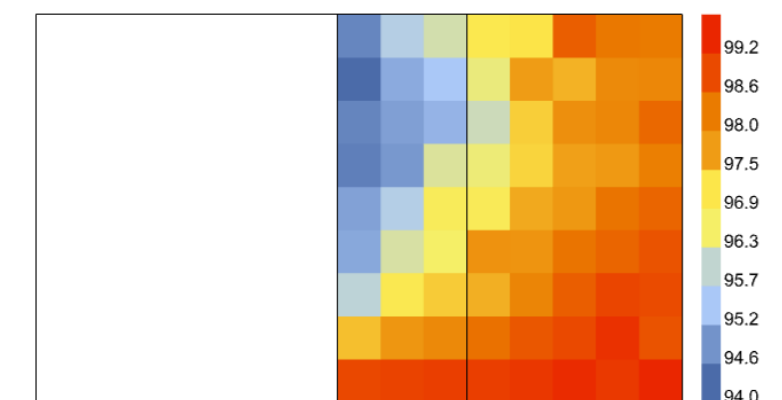


2. Peak Irradiance - [W/m²]



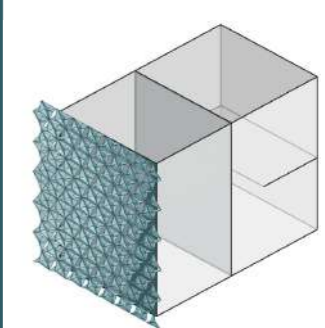
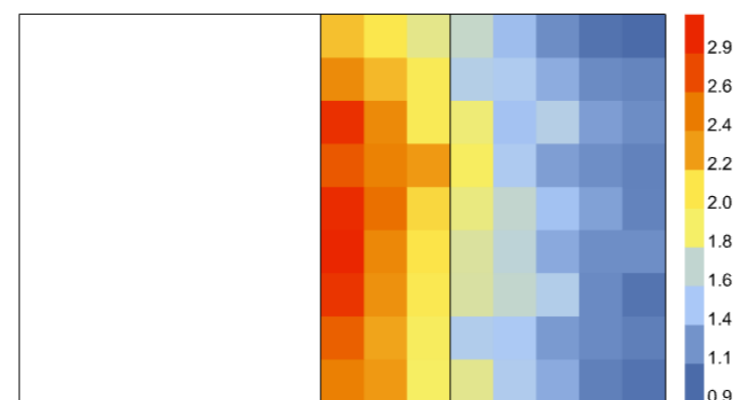
Annual Glare

1. Glare Autonomy (GA) - [%]

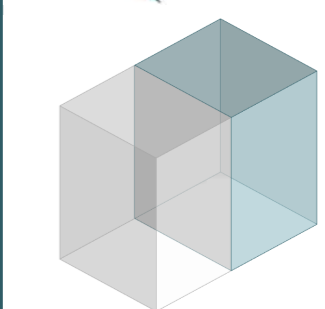


Daylight Factor

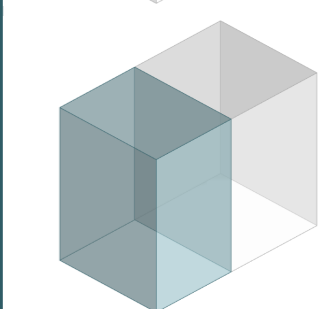
[%]



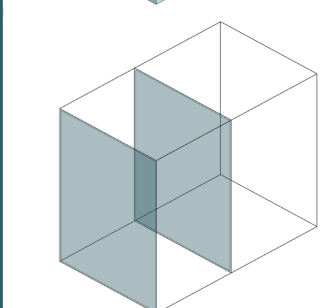
1. Modello Rhino



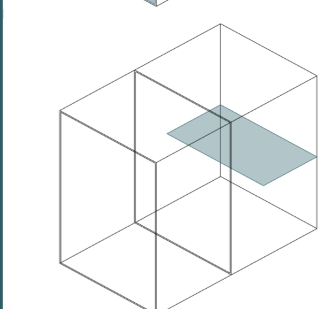
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



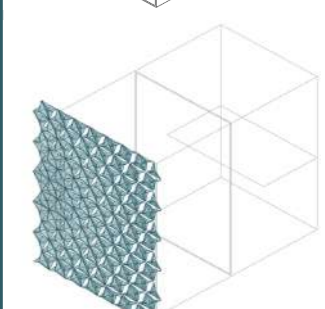
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Aperto verso Nord

130 ANALISI ILLUMINOTECNICHE
CP3.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

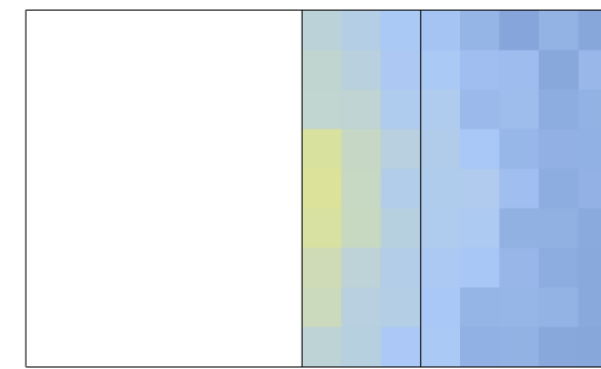
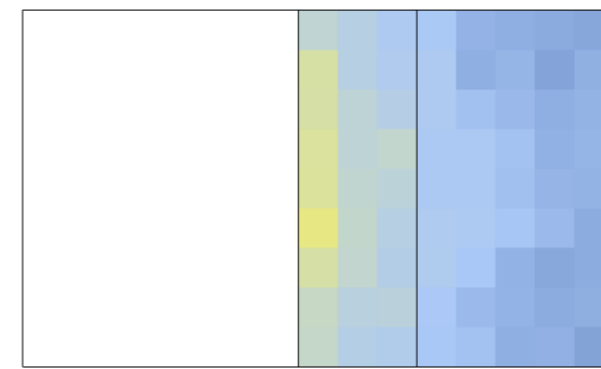
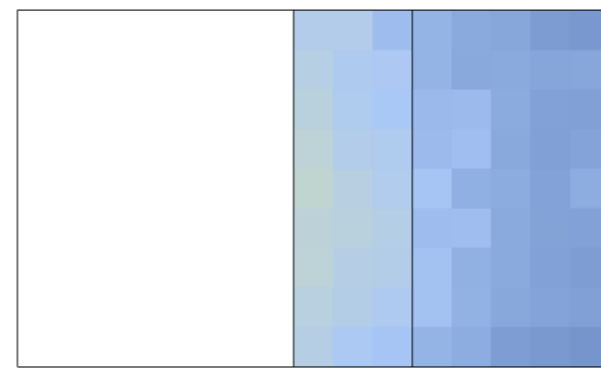
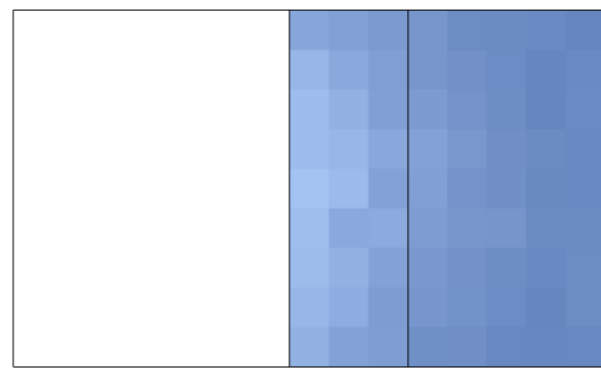
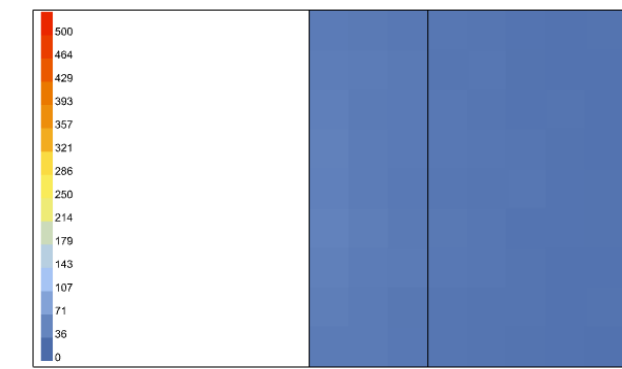
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



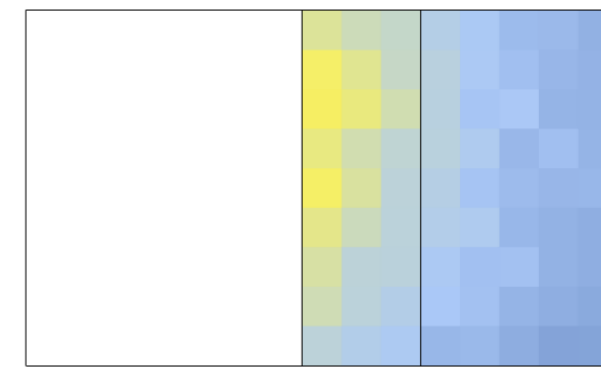
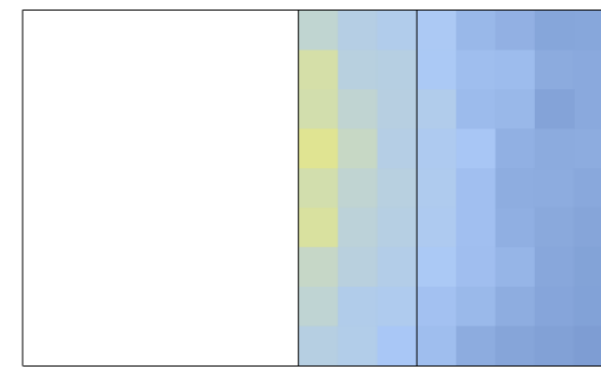
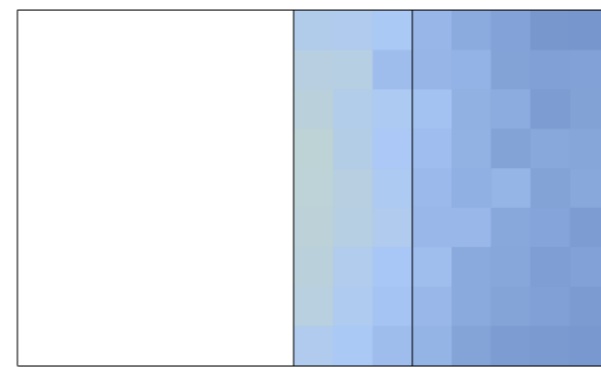
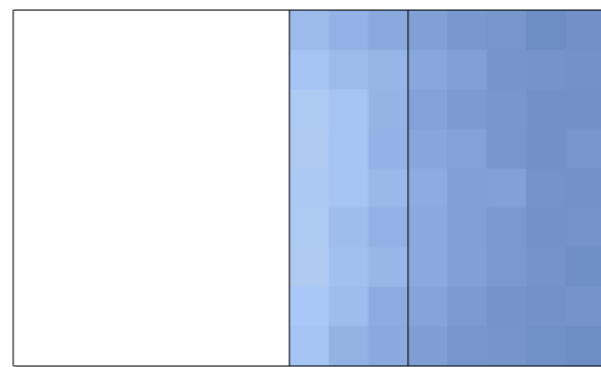
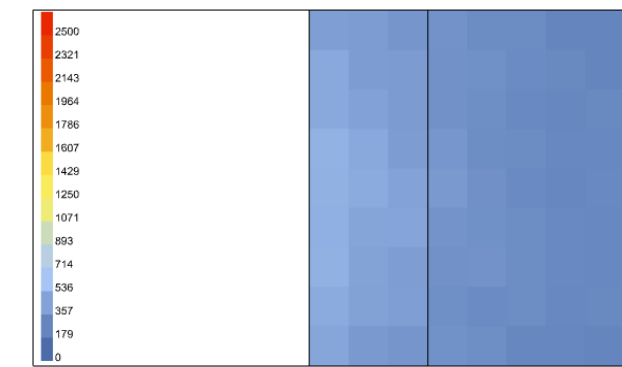
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



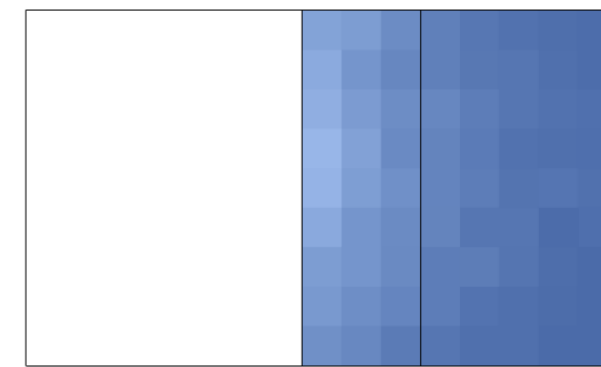
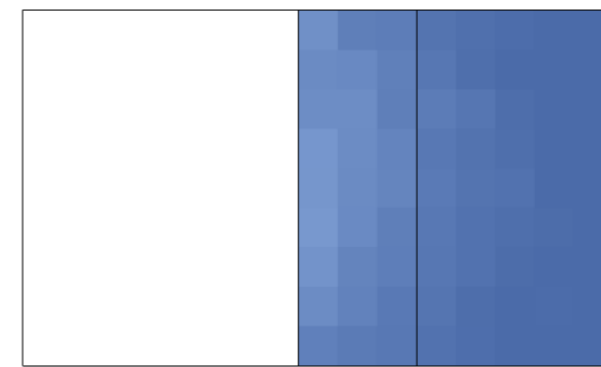
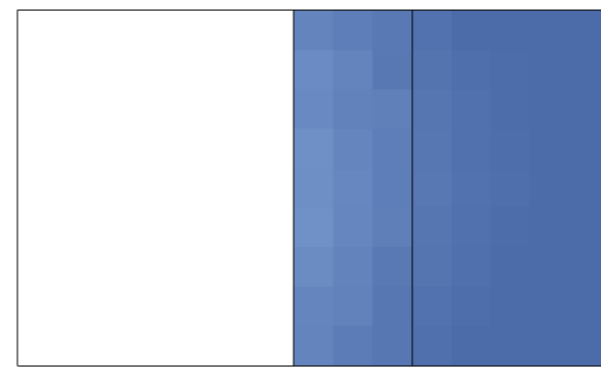
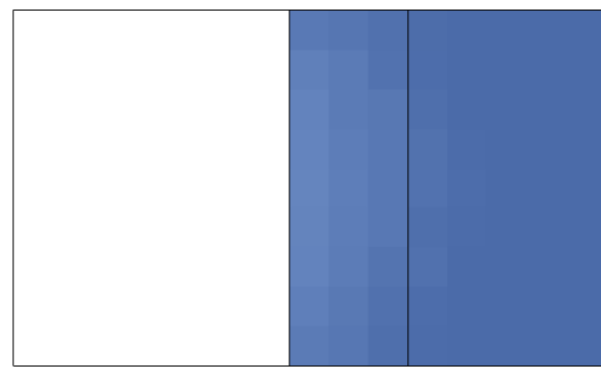
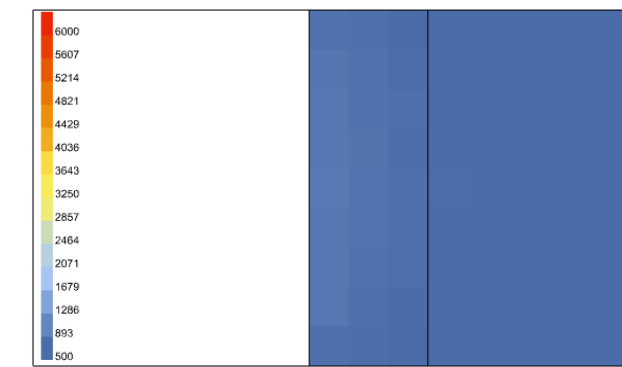
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



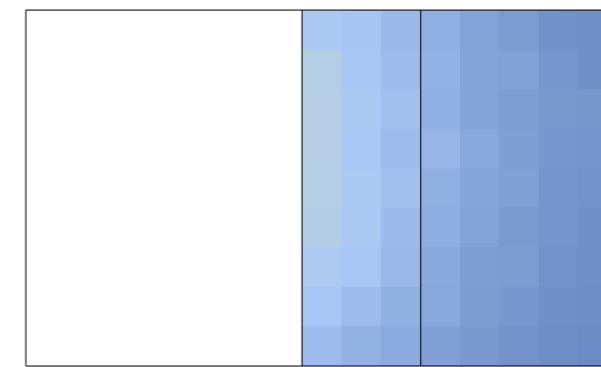
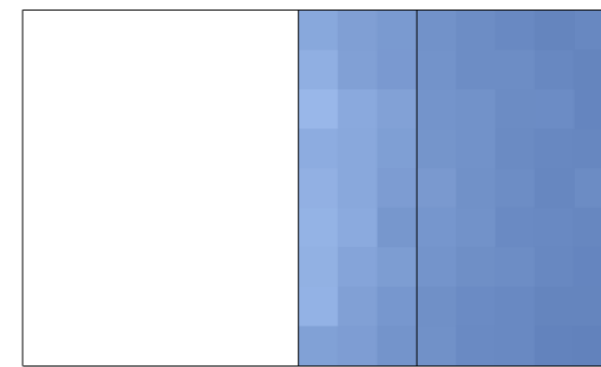
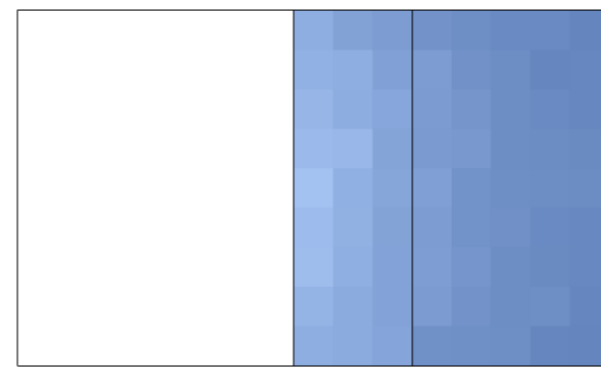
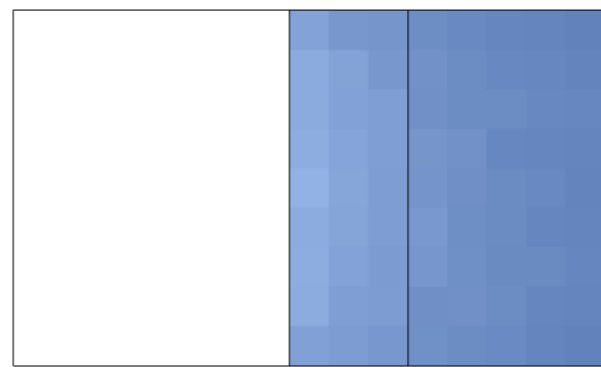
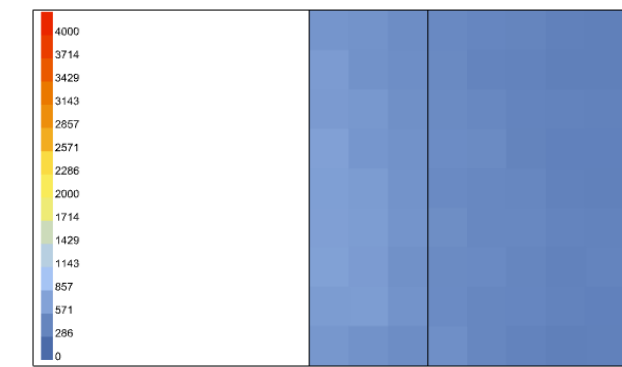
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



131 ANALISI ILLUMINOTECNICHE
CP3.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

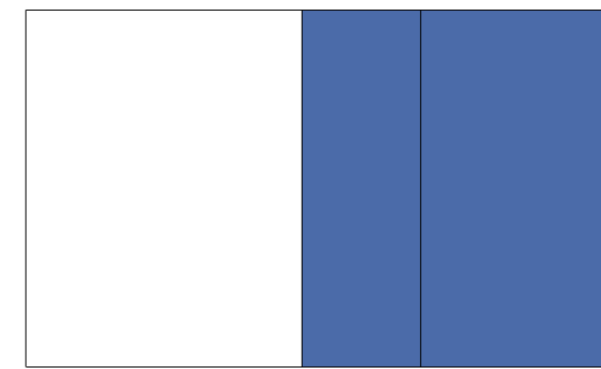
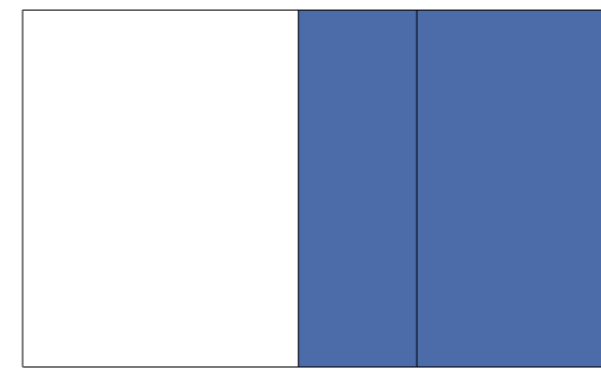
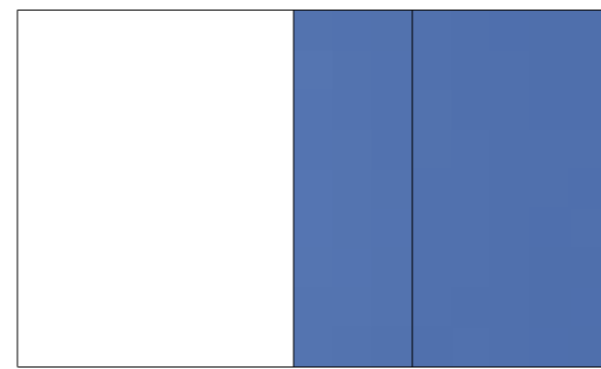
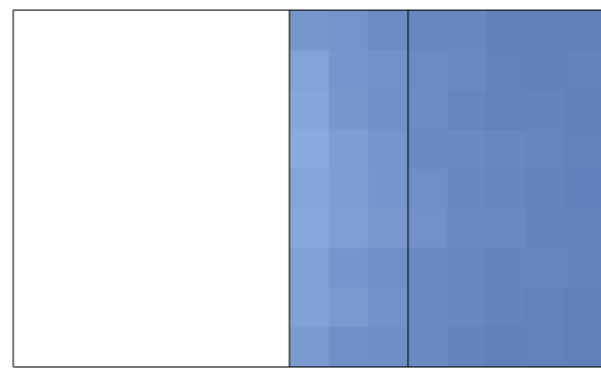
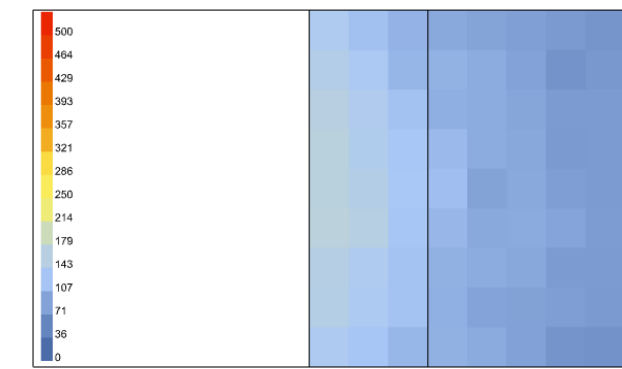
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



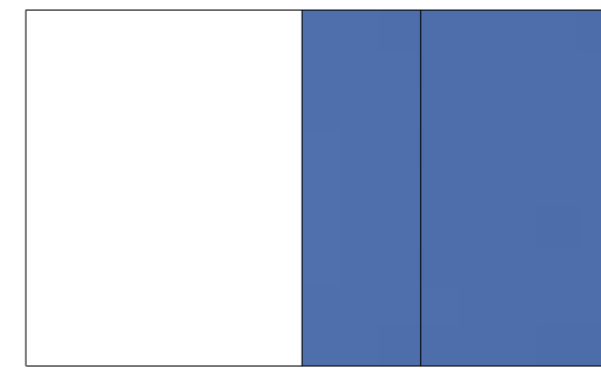
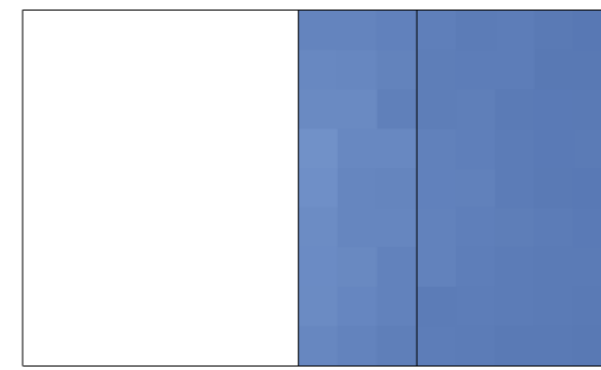
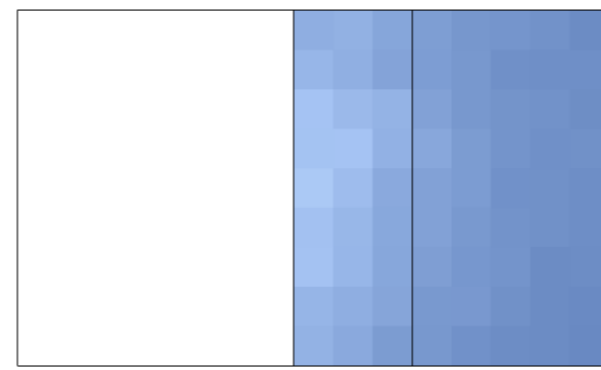
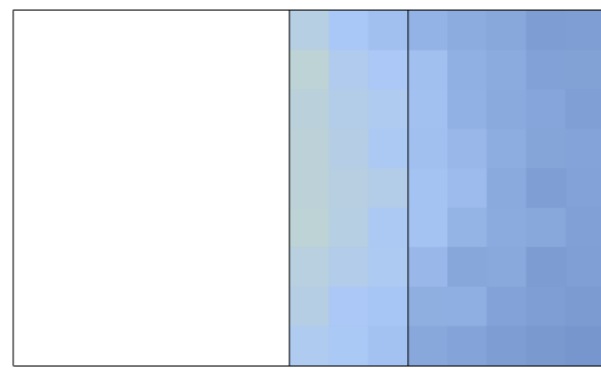
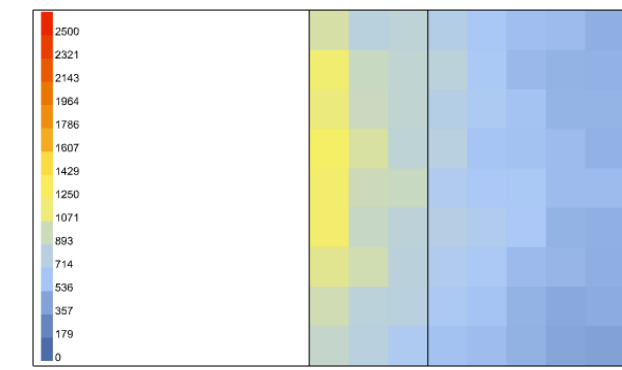
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



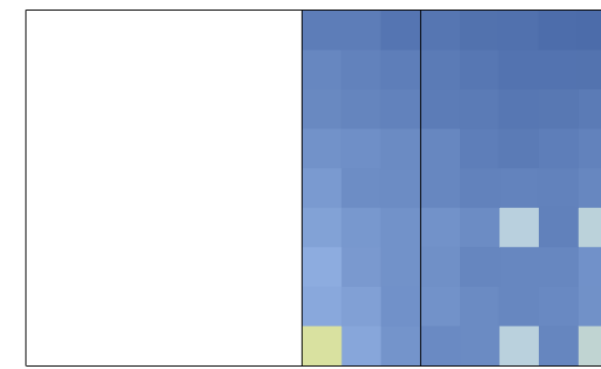
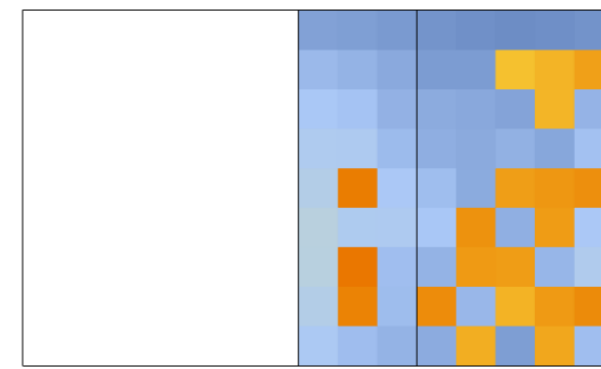
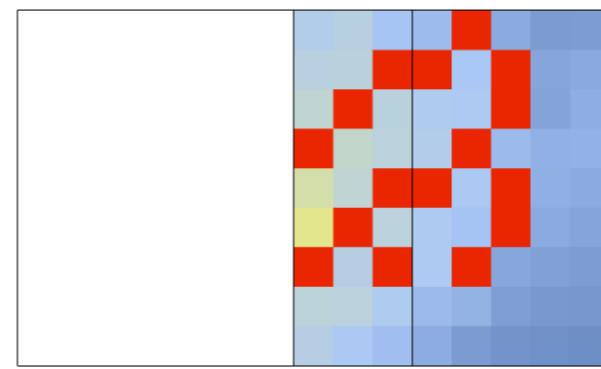
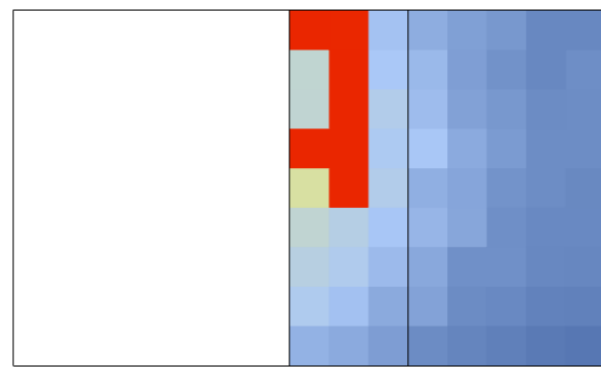
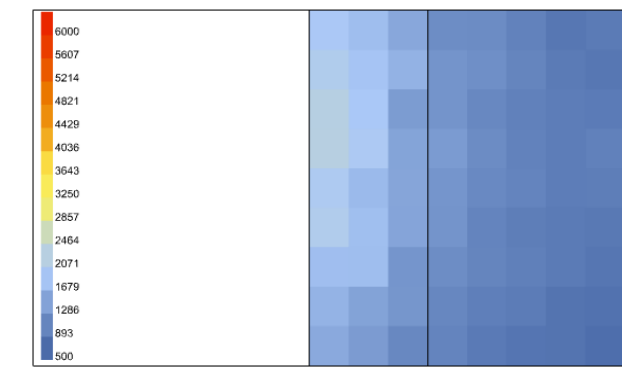
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



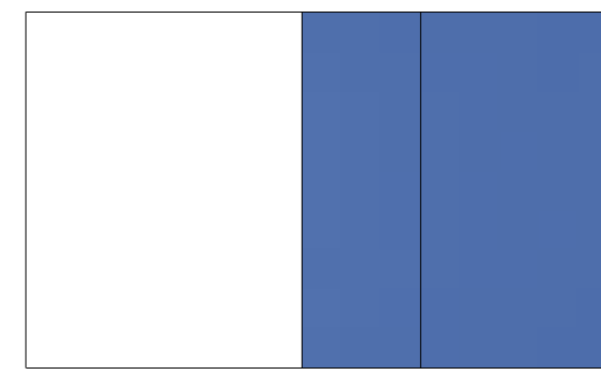
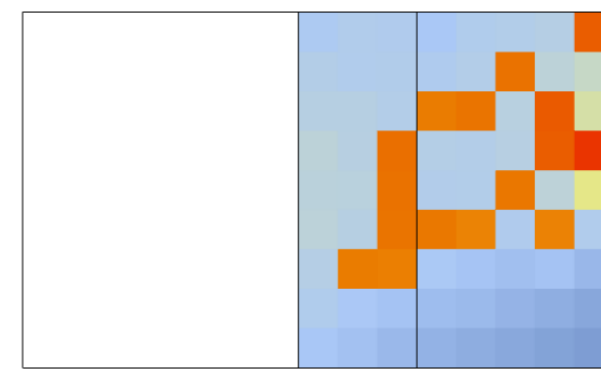
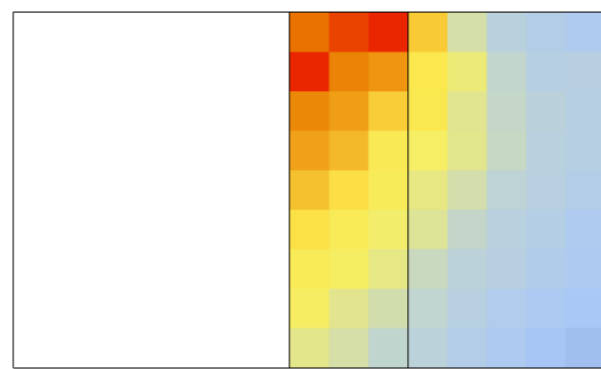
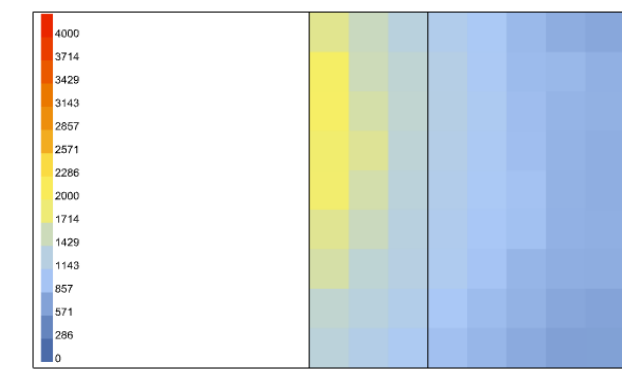
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



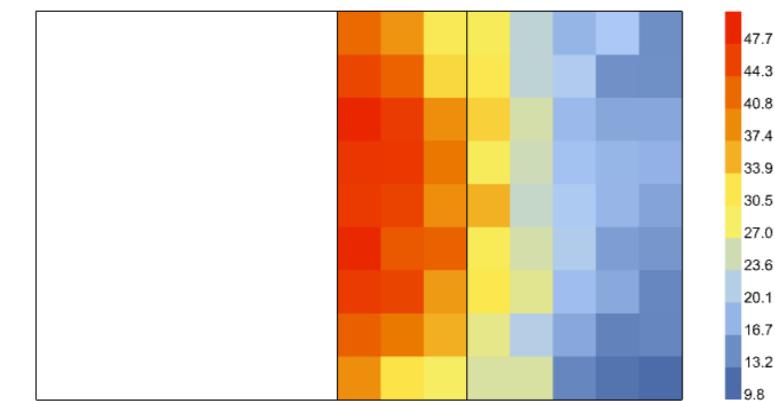
132 ANALISI ILLUMINOTECNICHE
CP3.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

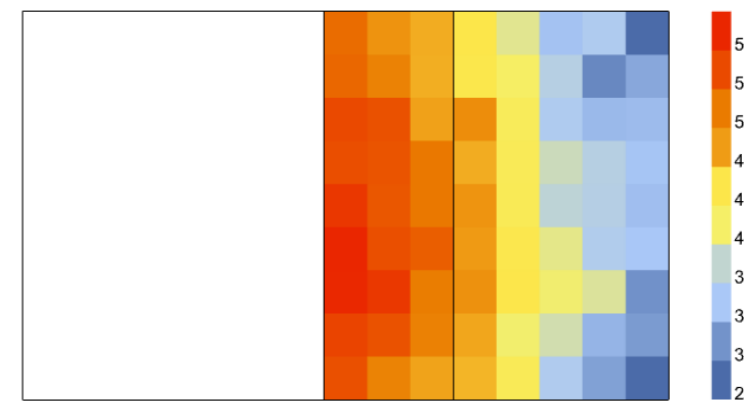
1. Daylight Autonomy (DA) - [%]



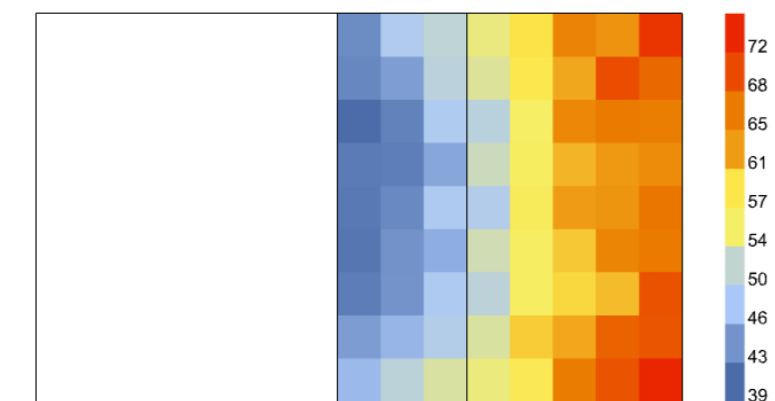
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



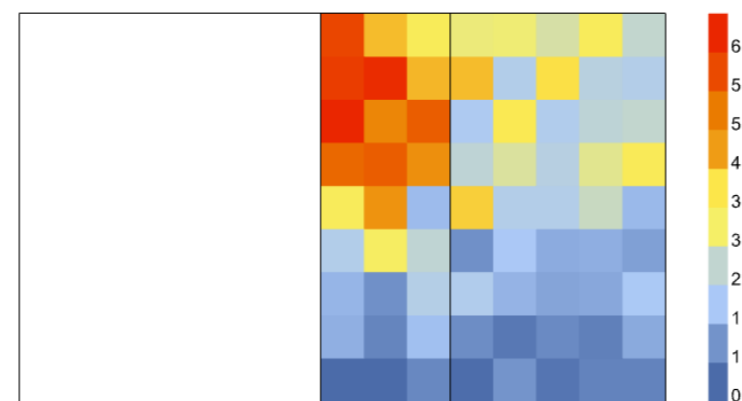
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

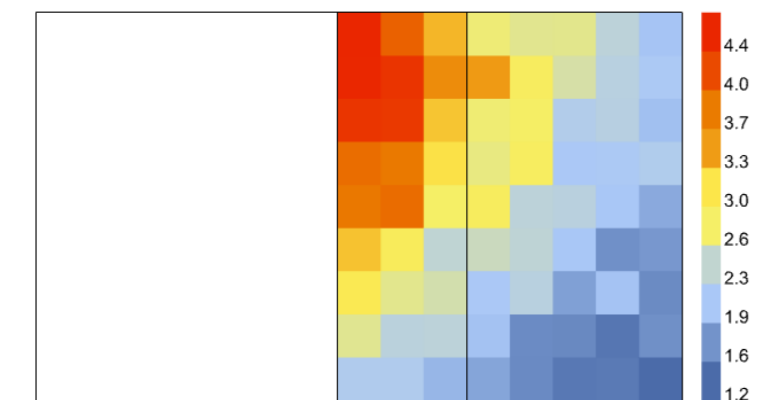


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

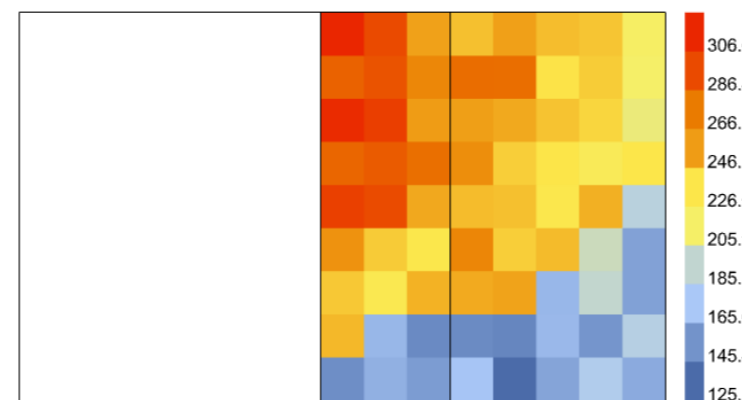


Annual Irradiance

1. Average Irradiance - [W/m²]

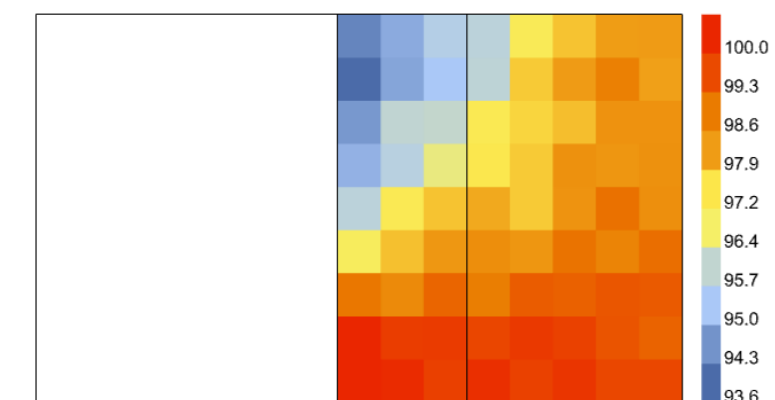


2. Peak Irradiance - [W/m²]



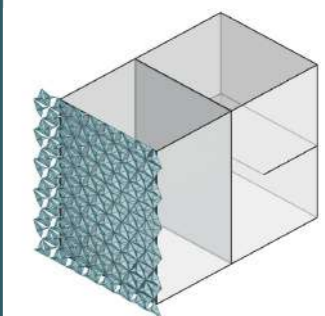
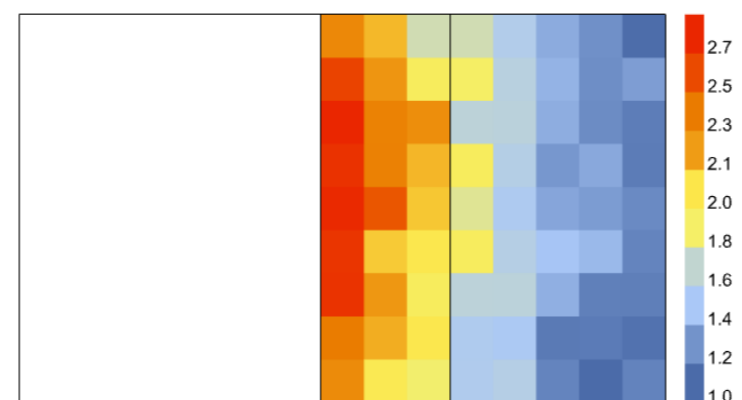
Annual Glare

1. Glare Autonomy (GA) - [%]

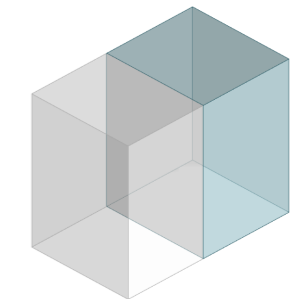


Daylight Factor

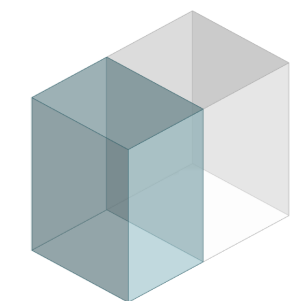
[%]



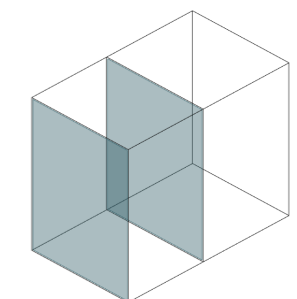
1. Modello Rhino



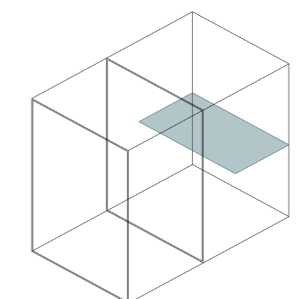
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



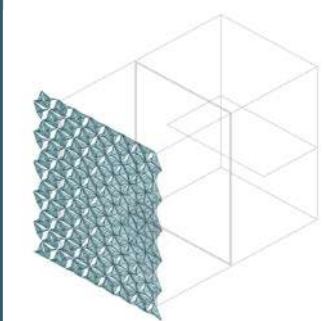
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Aperto verso Sud

133 ANALISI ILLUMINOTECNICHE
CP4.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

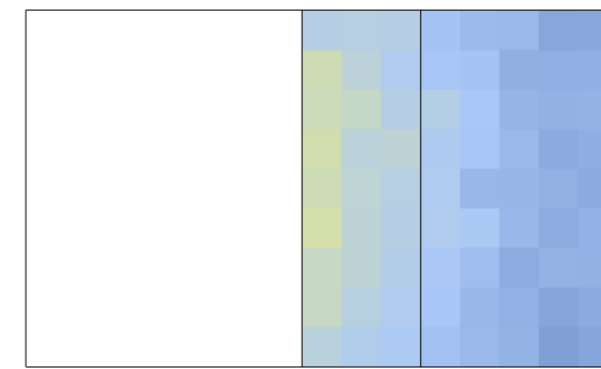
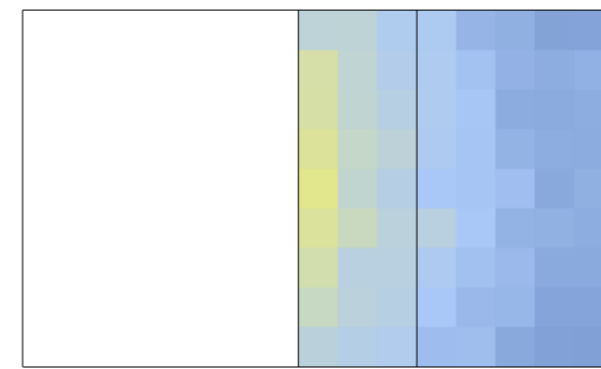
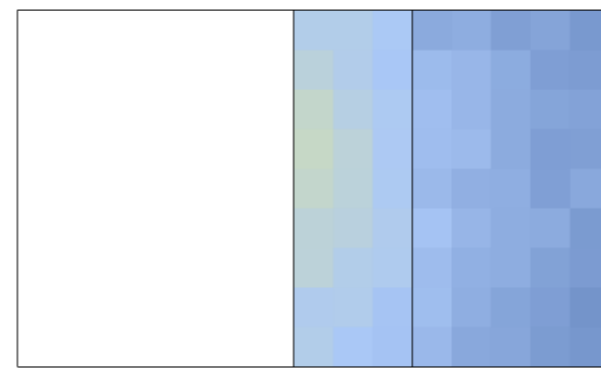
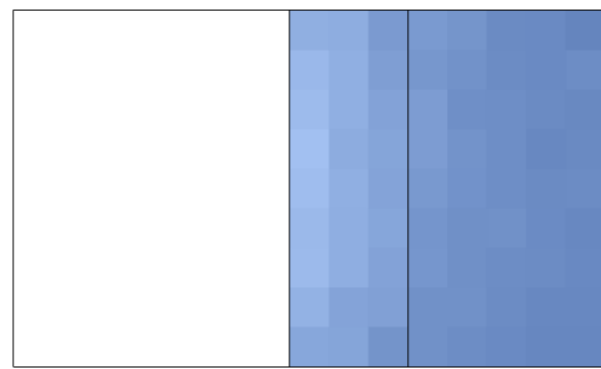
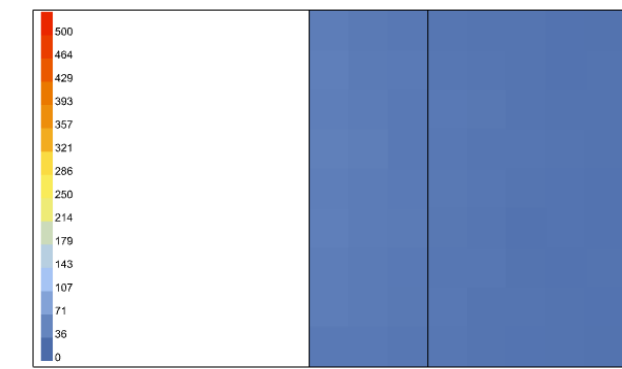
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



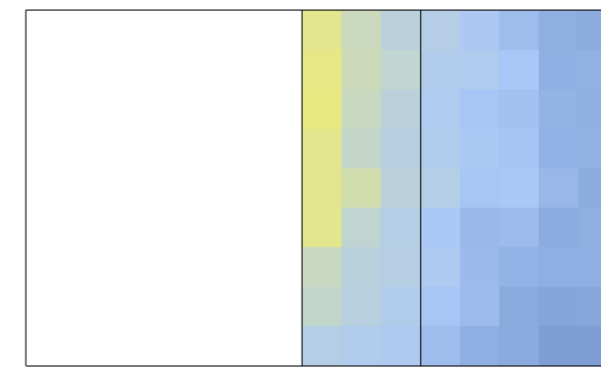
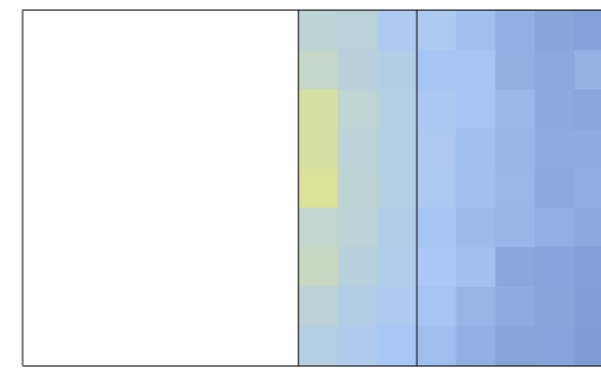
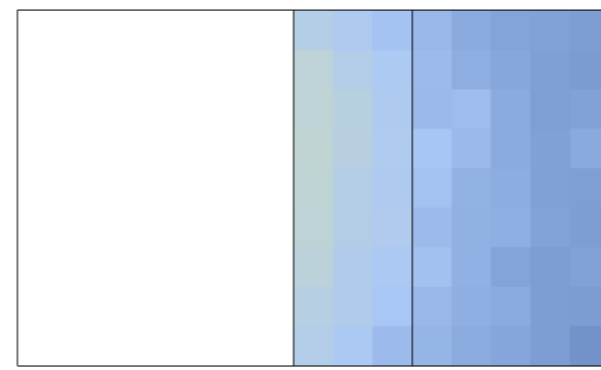
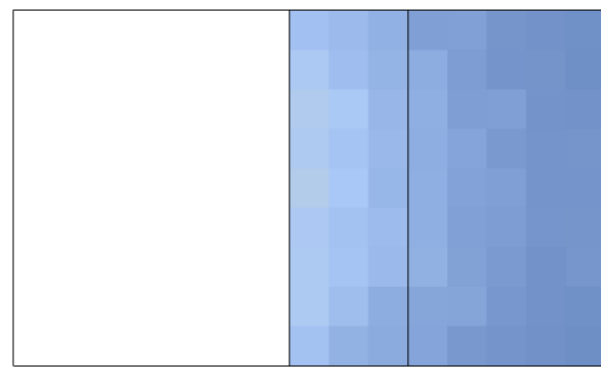
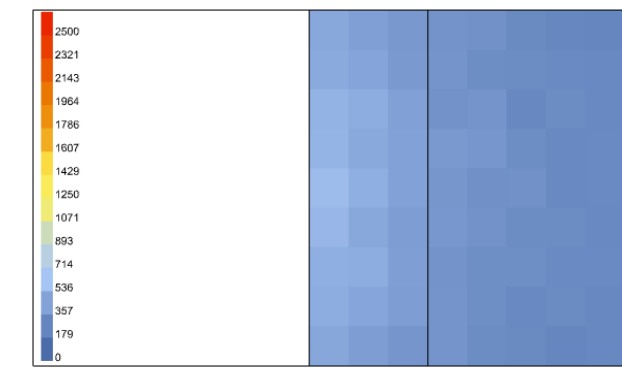
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



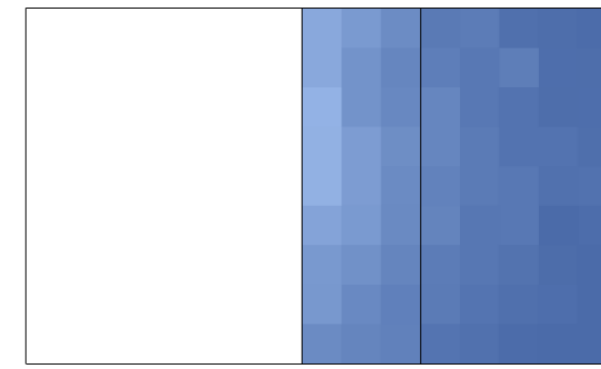
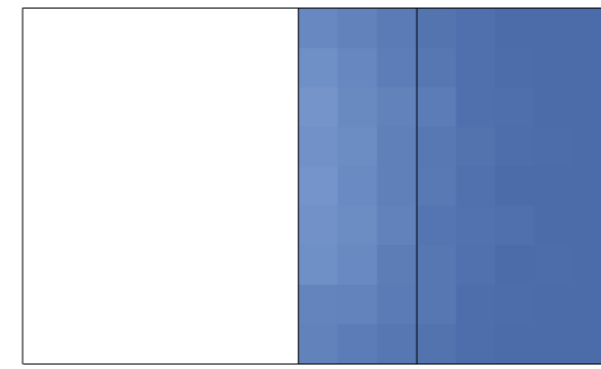
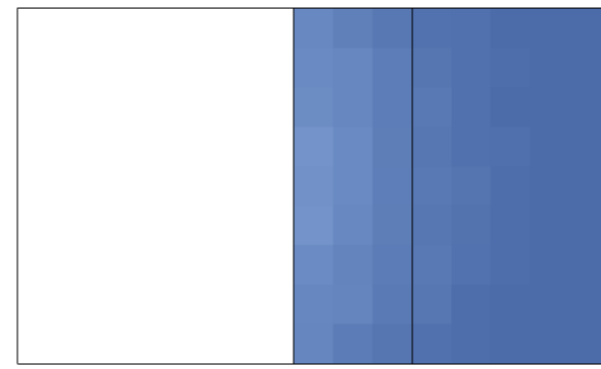
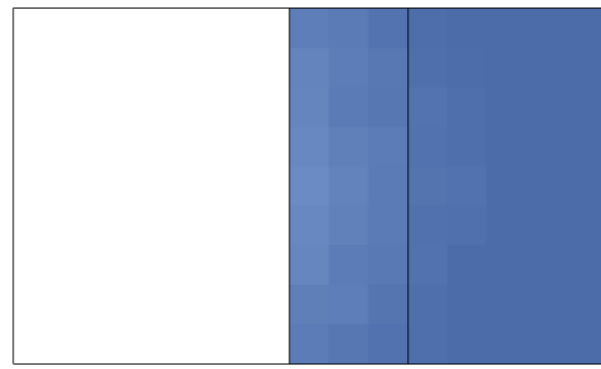
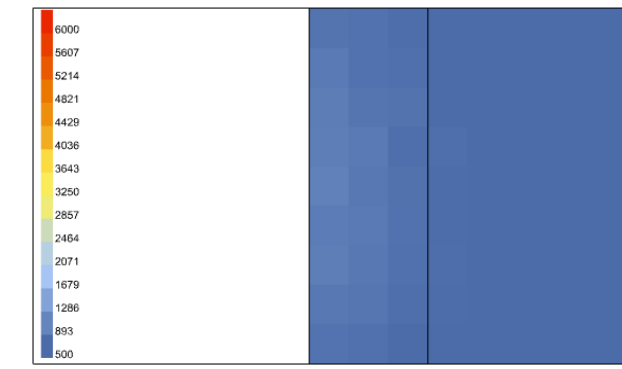
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



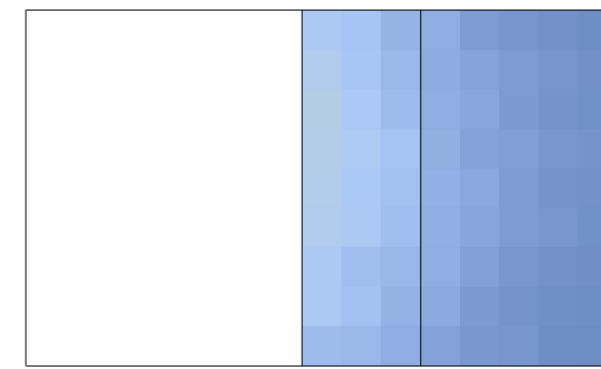
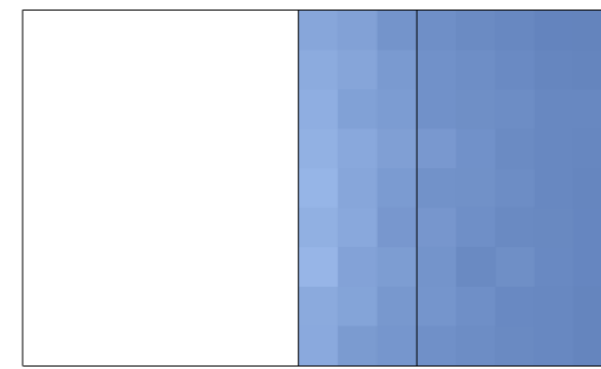
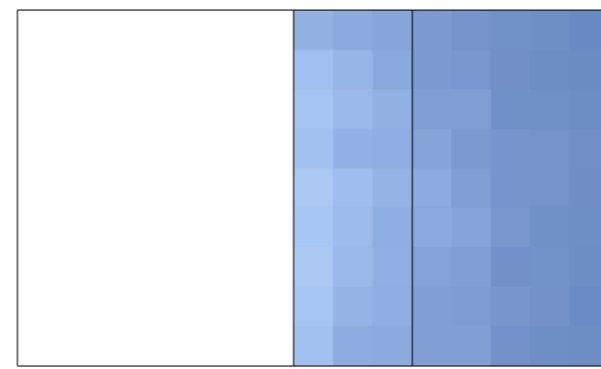
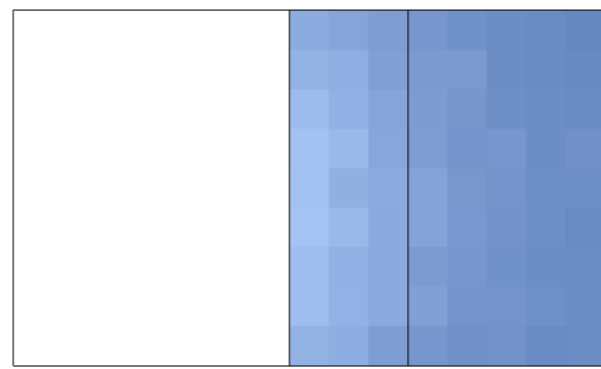
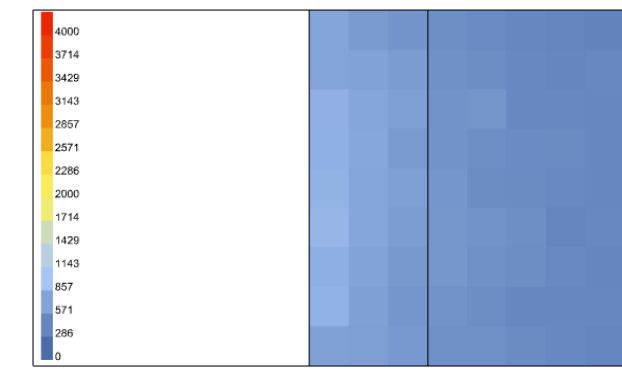
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



134 ANALISI ILLUMINOTECNICHE
CP4.3



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

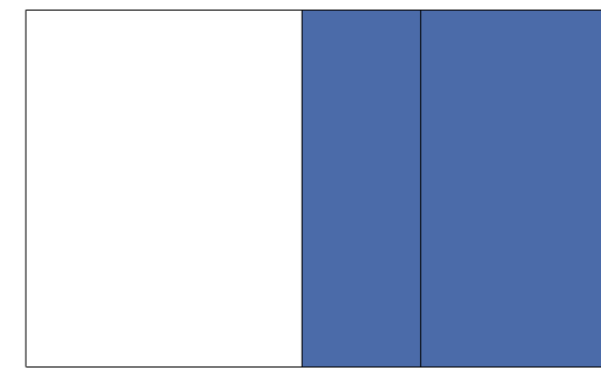
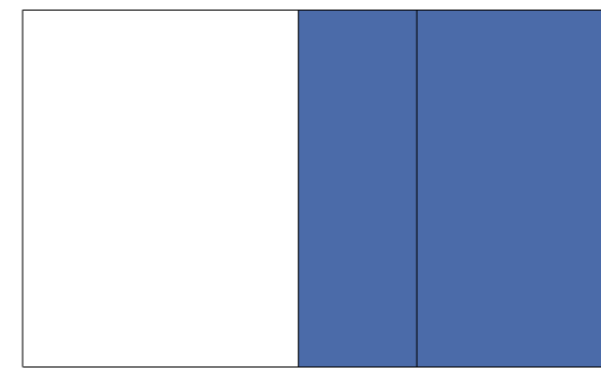
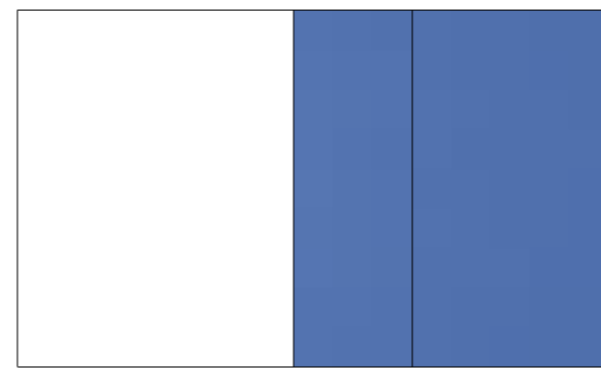
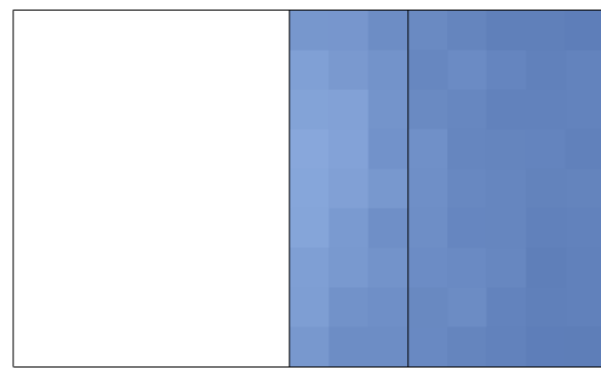
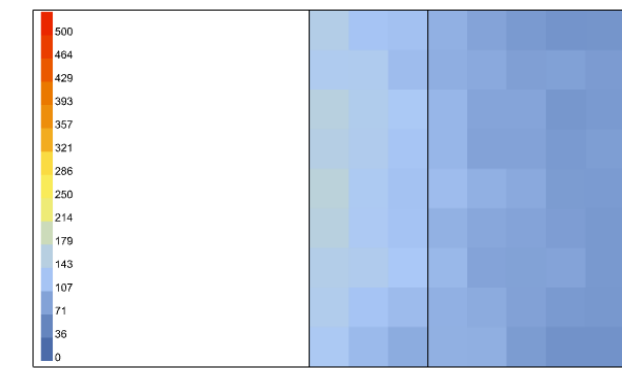
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



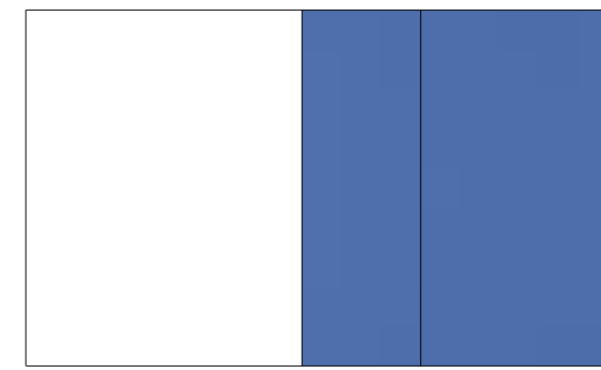
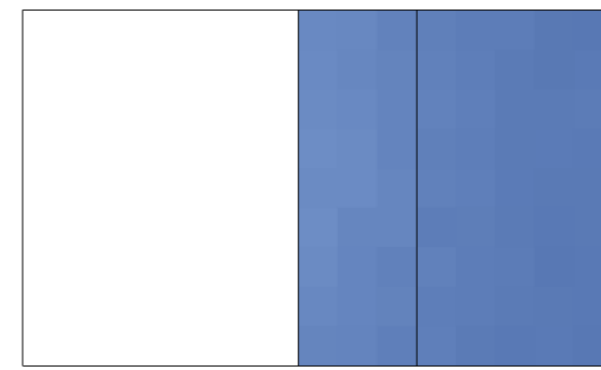
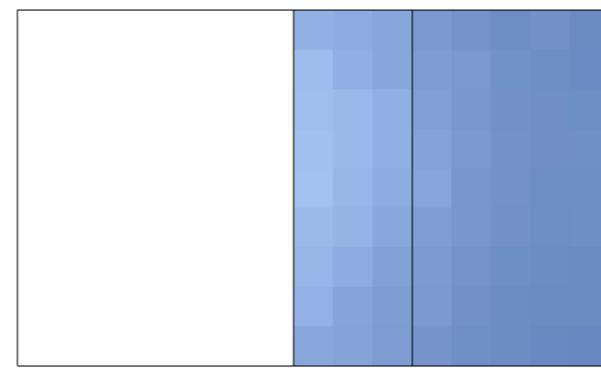
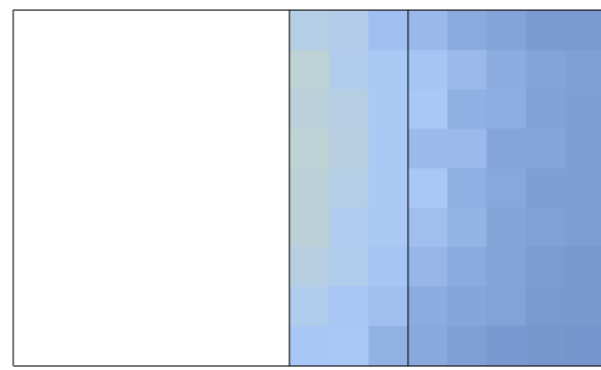
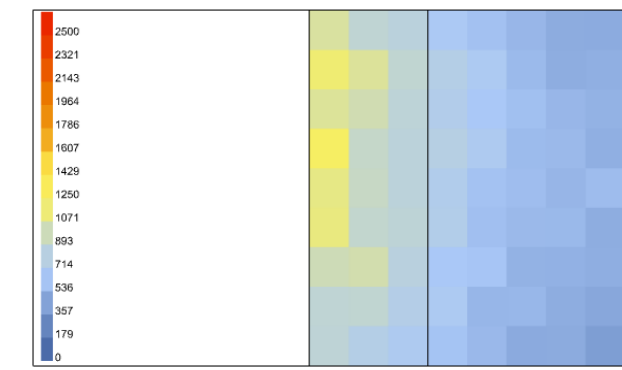
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



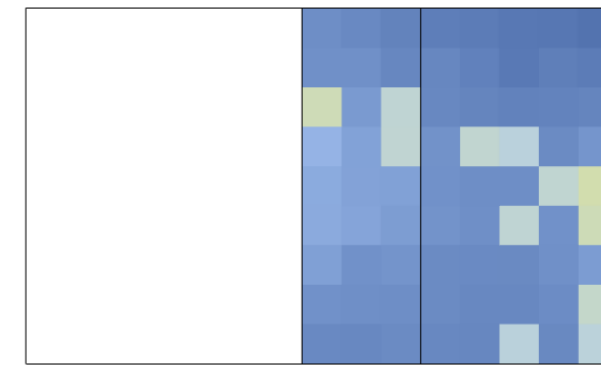
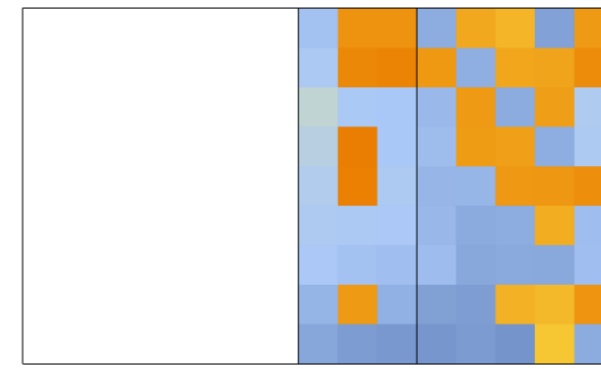
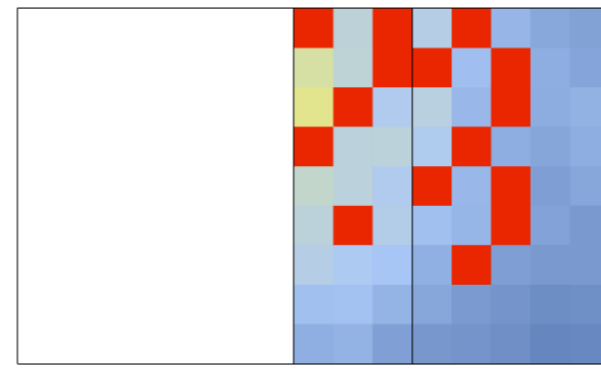
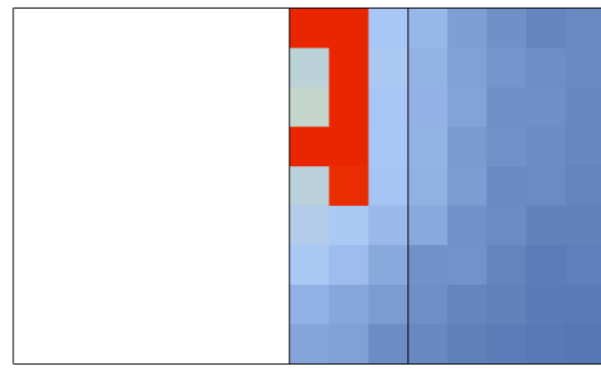
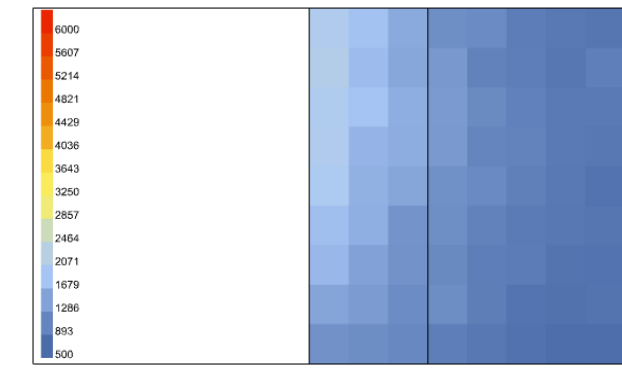
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



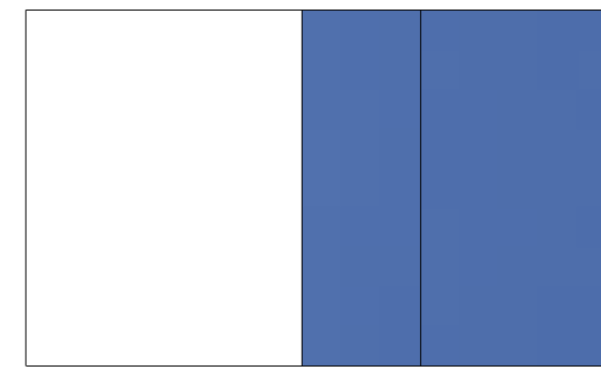
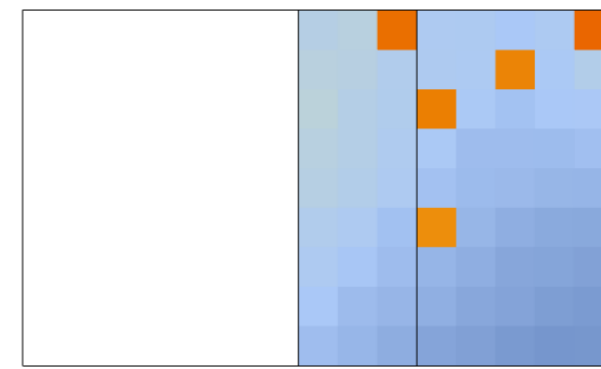
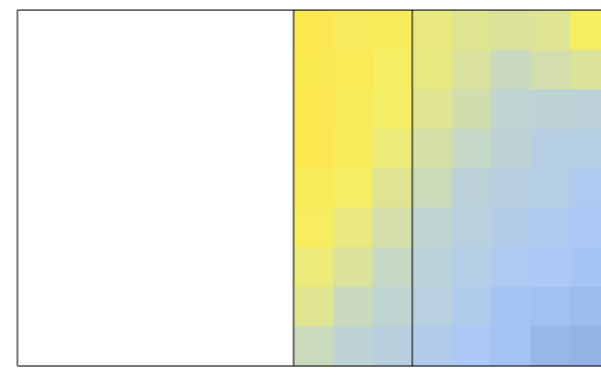
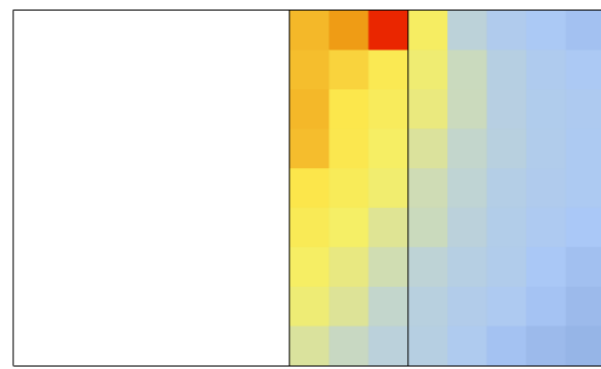
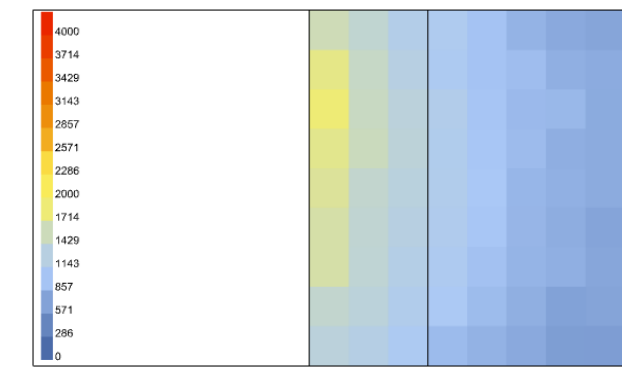
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



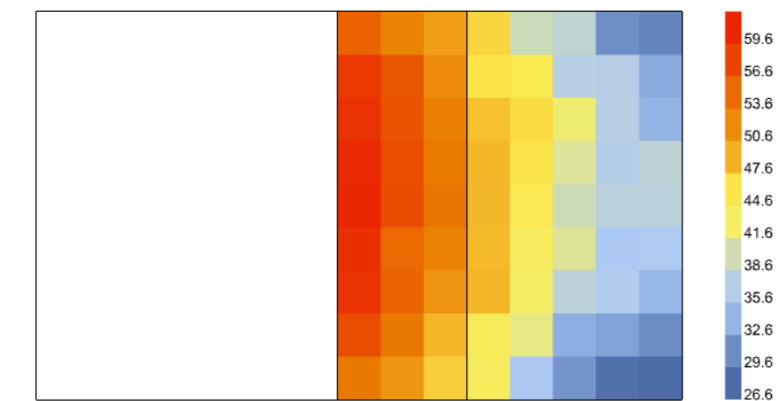
135 ANALISI ILLUMINOTECNICHE
CP4.3



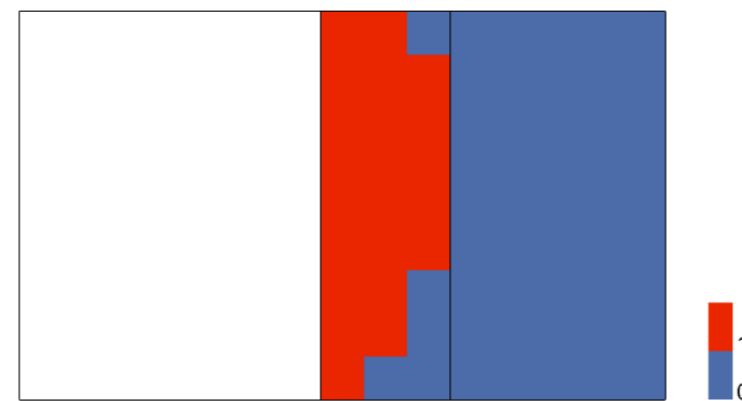
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

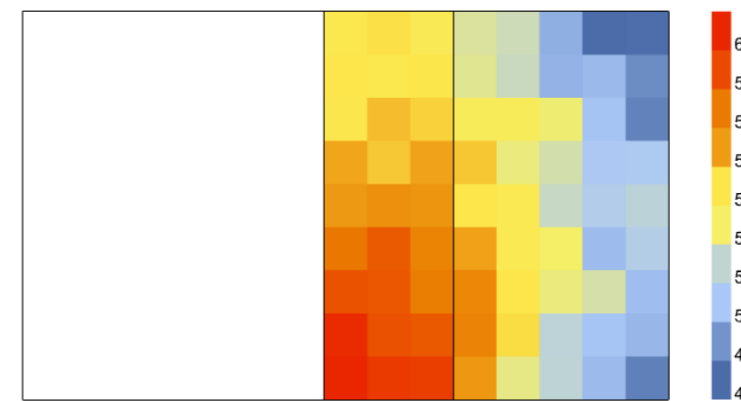
1. Daylight Autonomy (DA) - [%]



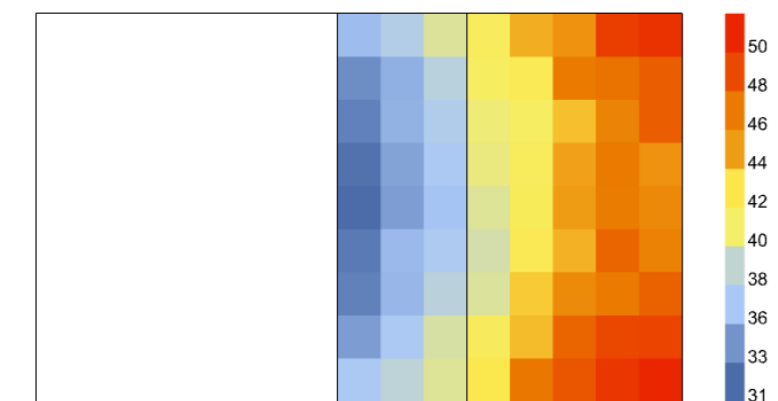
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



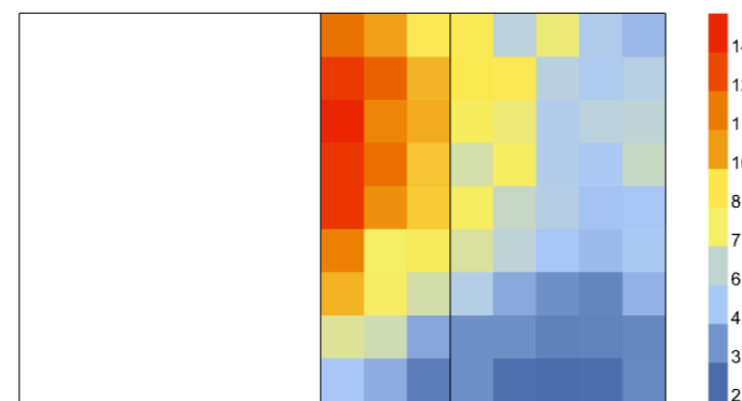
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

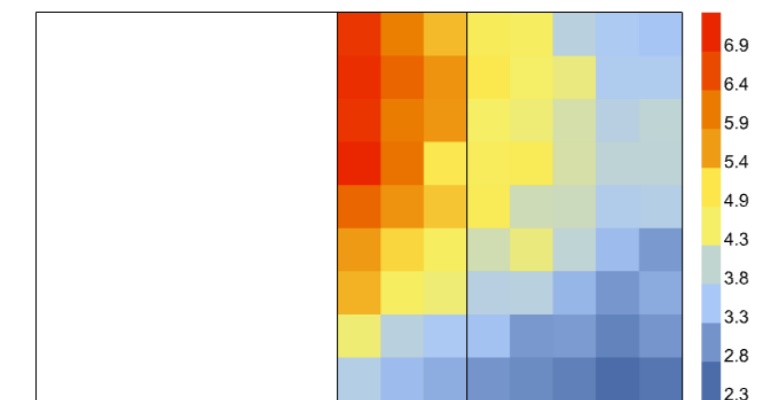


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

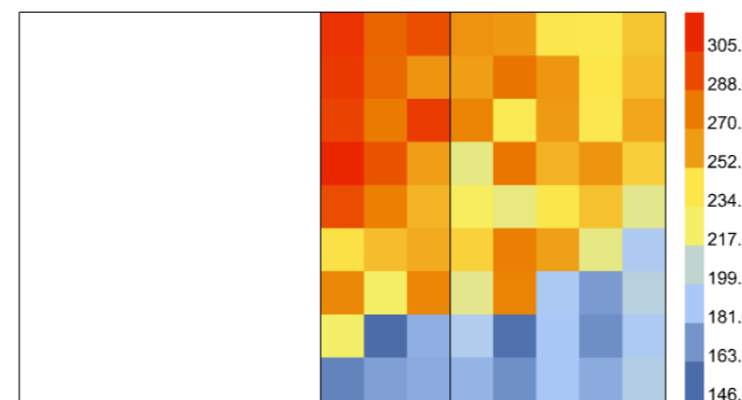


Annual Irradiance

1. Average Irradiance - [W/m²]

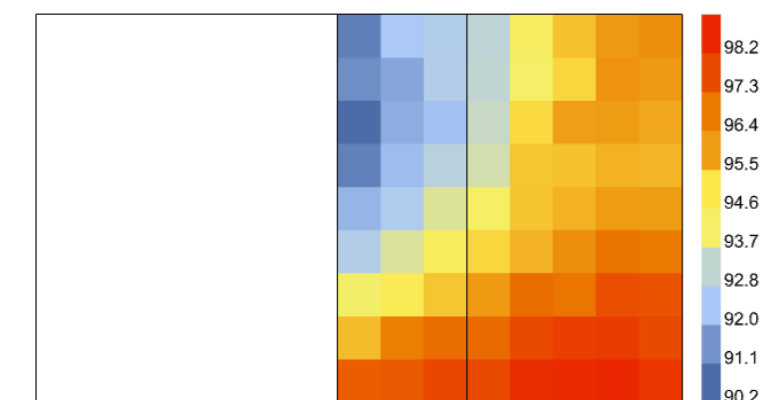


2. Peak Irradiance - [W/m²]



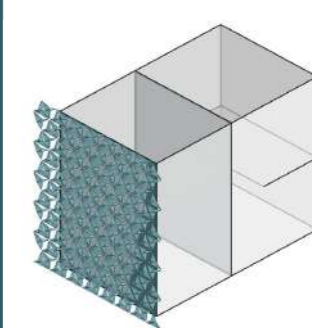
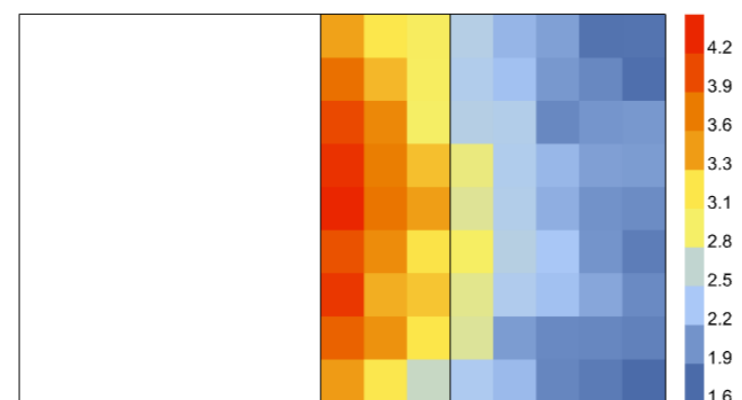
Annual Glare

1. Glare Autonomy (GA) - [%]

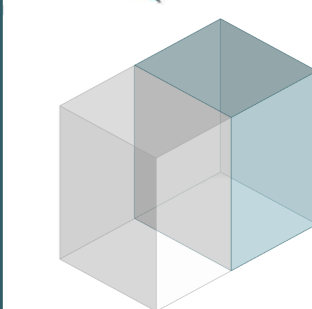


Daylight Factor

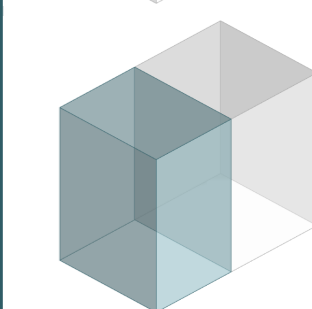
[%]



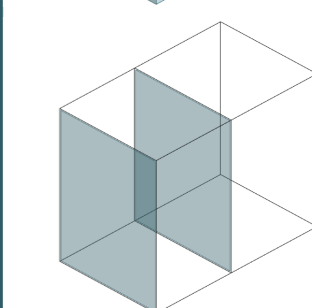
1. Modello Rhino



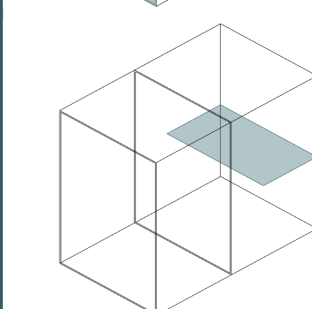
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



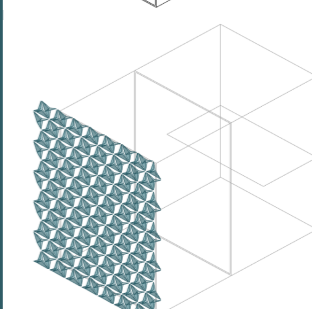
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Totalmente chiuso

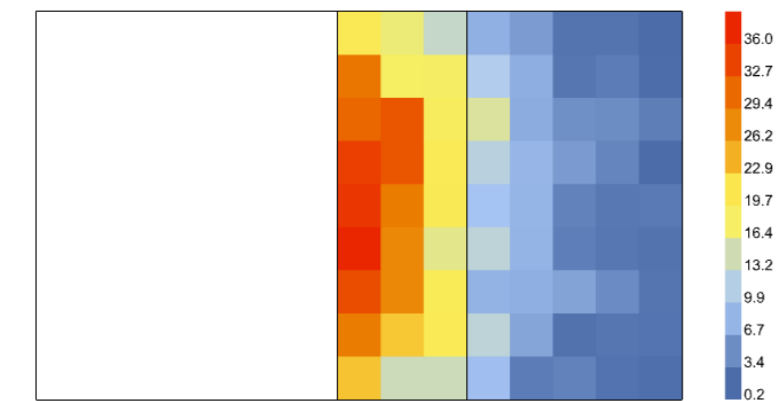
136 SCELTA CONFIGURAZIONE
CP1



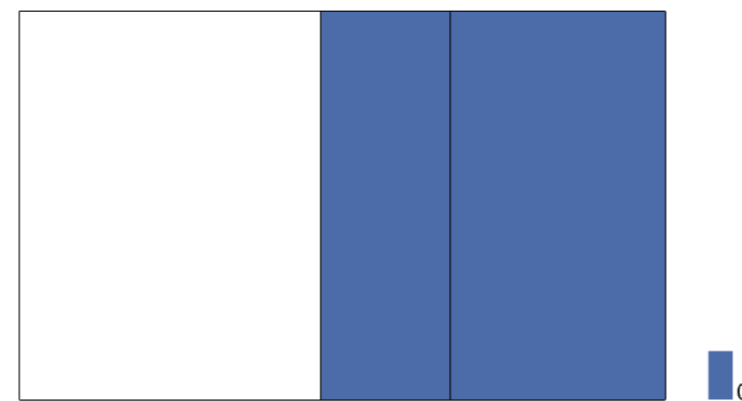
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

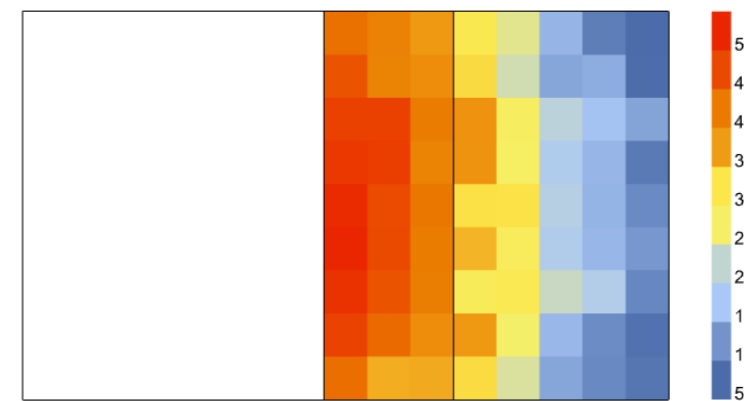
1. Daylight Autonomy (DA) - [%]



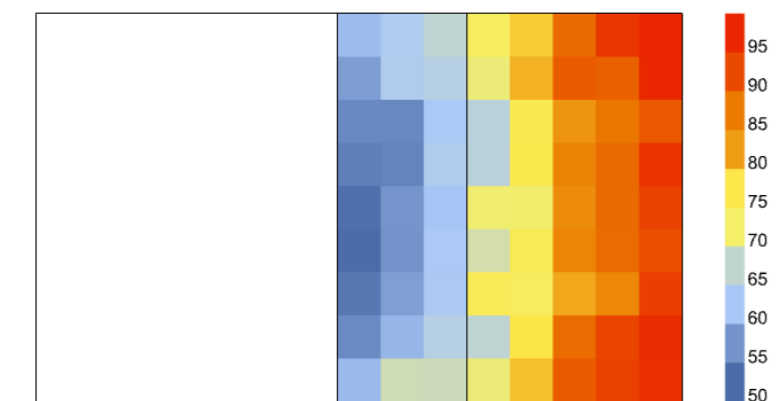
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



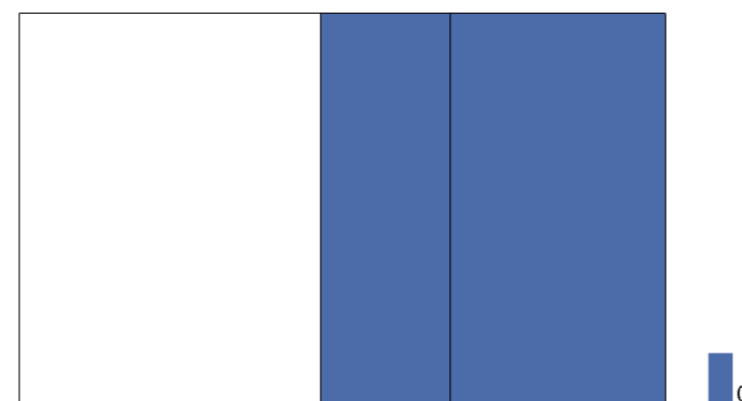
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

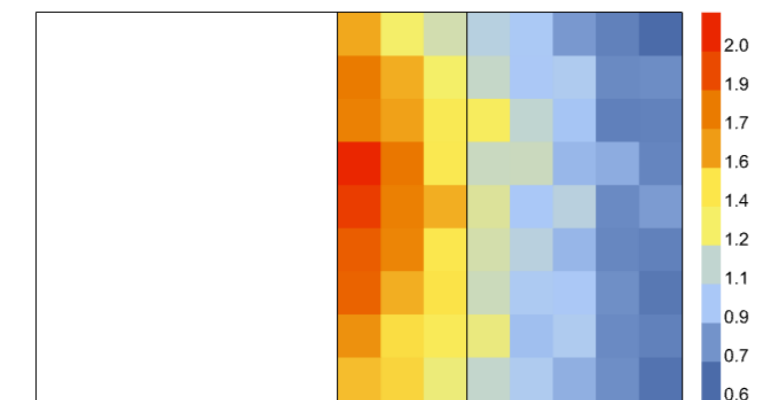


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

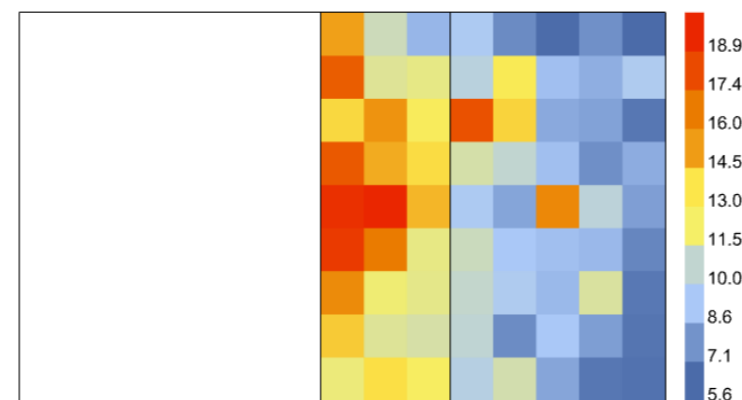


Annual Irradiance

1. Average Irradiance - [W/m²]

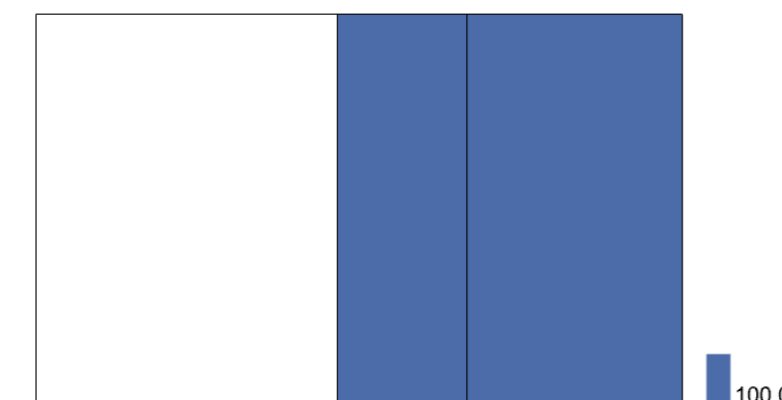


2. Peak Irradiance - [W/m²]



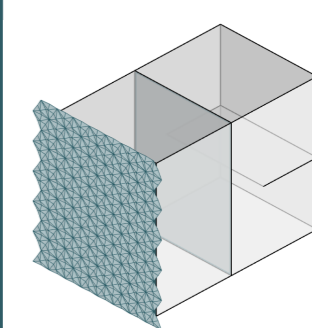
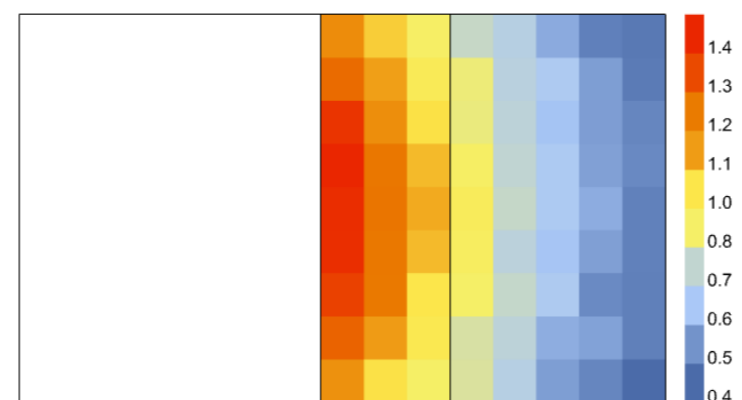
Annual Glare

1. Glare Autonomy (GA) - [%]



Daylight Factor

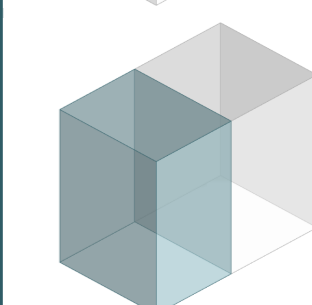
[%]



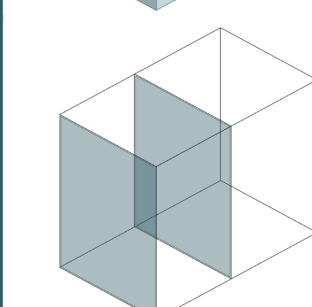
1. Modello Rhino



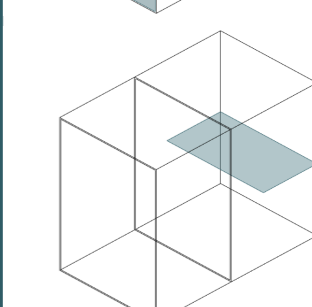
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



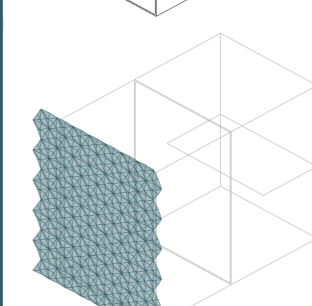
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Totalmente aperto

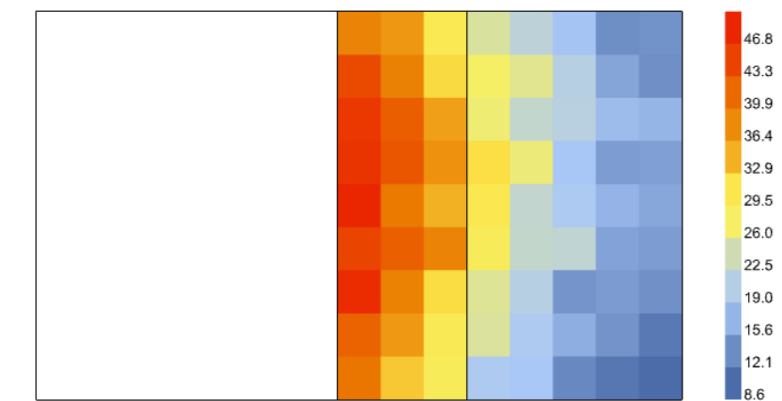
137 SCELTA CONFIGURAZIONE
CP2



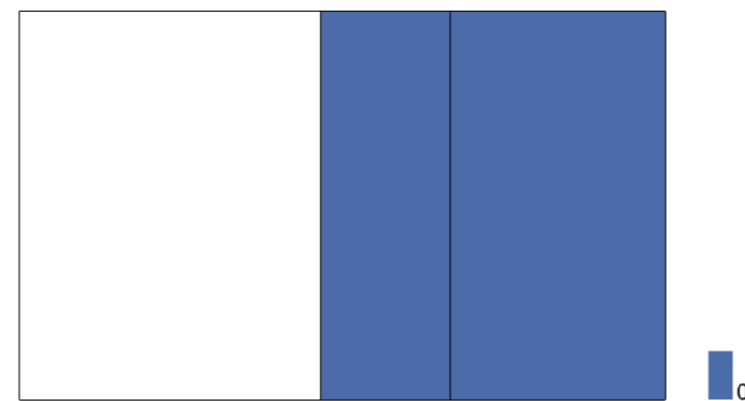
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

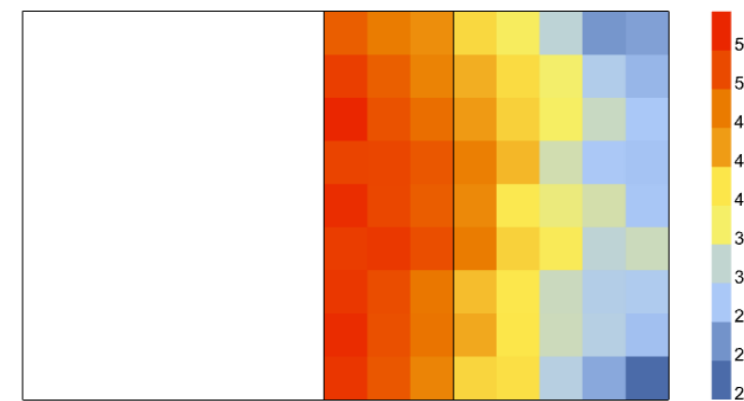
1. Daylight Autonomy (DA) - [%]



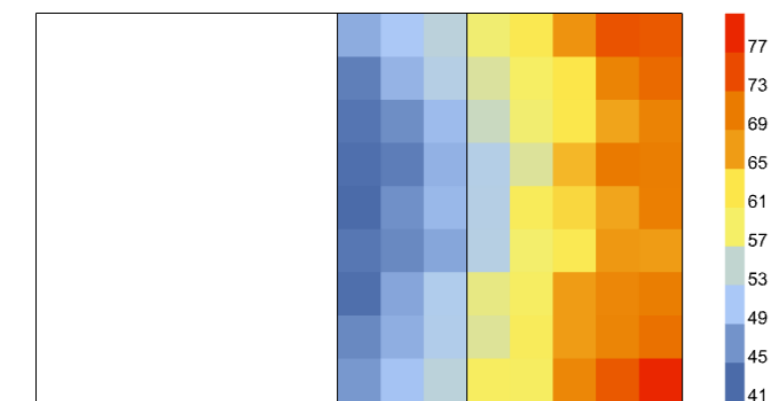
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



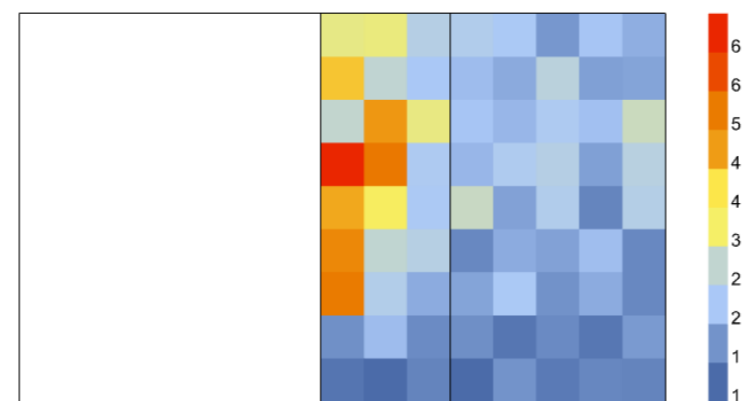
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

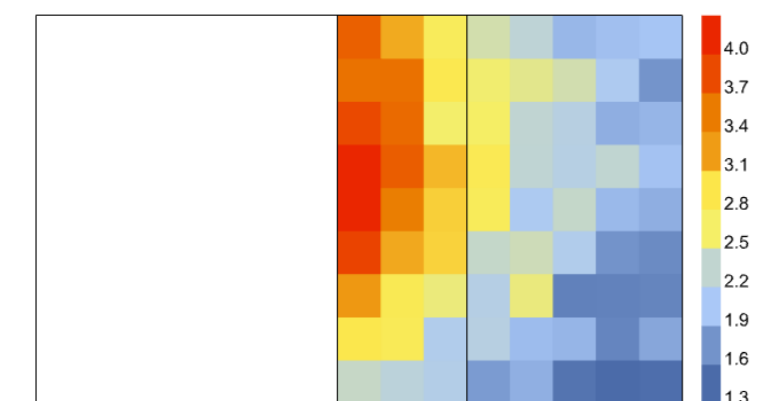


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

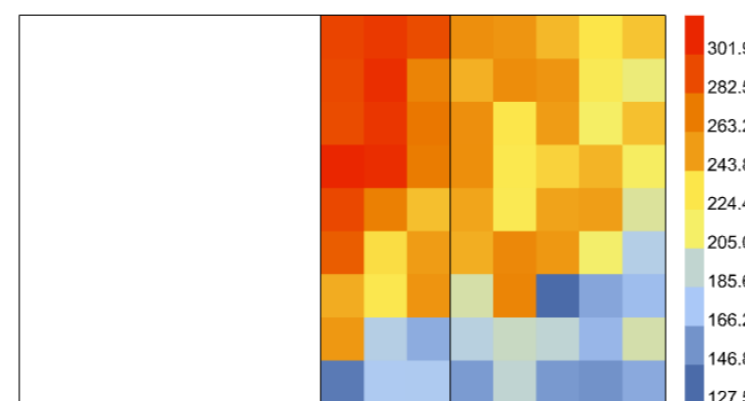


Annual Irradiance

1. Average Irradiance - [W/m²]

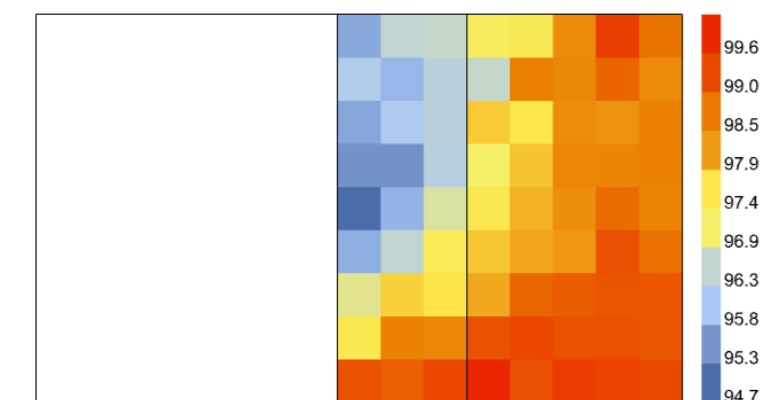


2. Peak Irradiance - [W/m²]



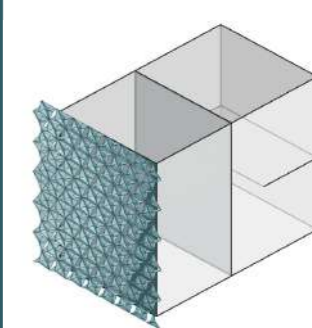
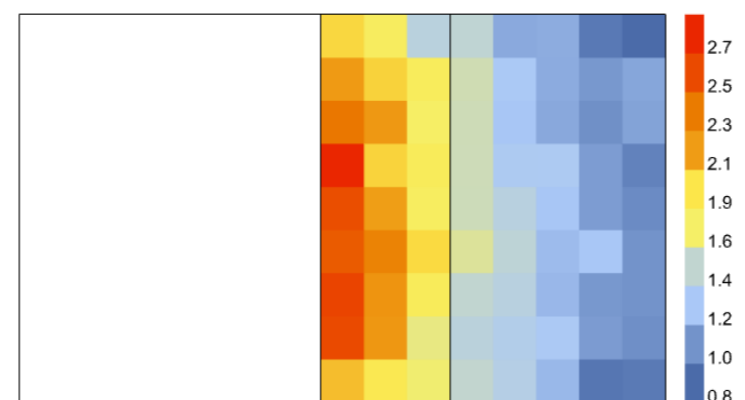
Annual Glare

1. Glare Autonomy (GA) - [%]



Daylight Factor

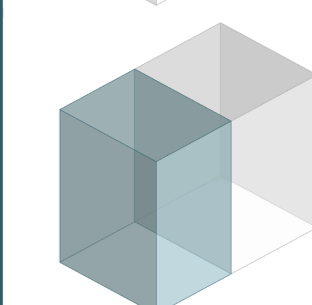
[%]



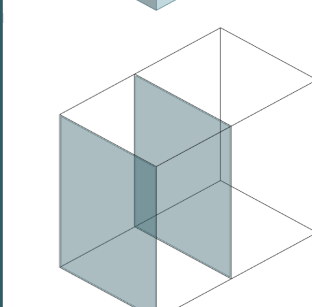
1. Modello Rhino



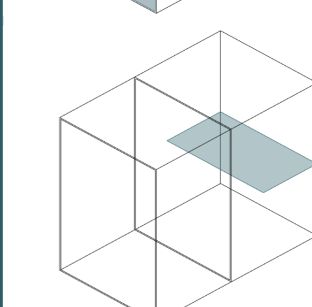
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



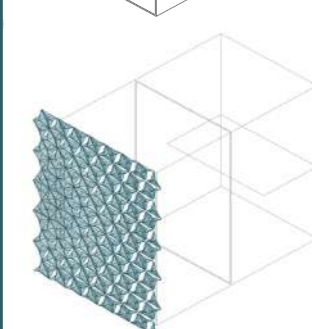
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Aperto verso Nord

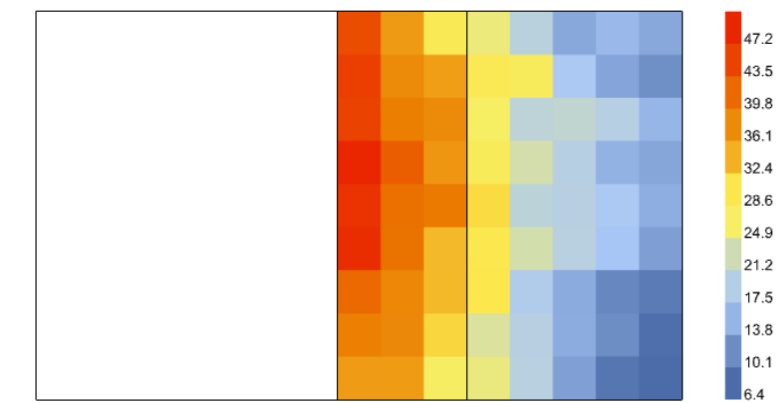
138 SCELTA CONFIGURAZIONE
CP3



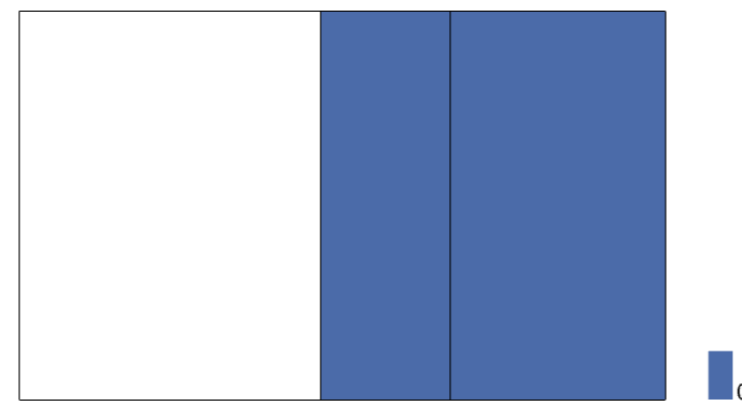
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

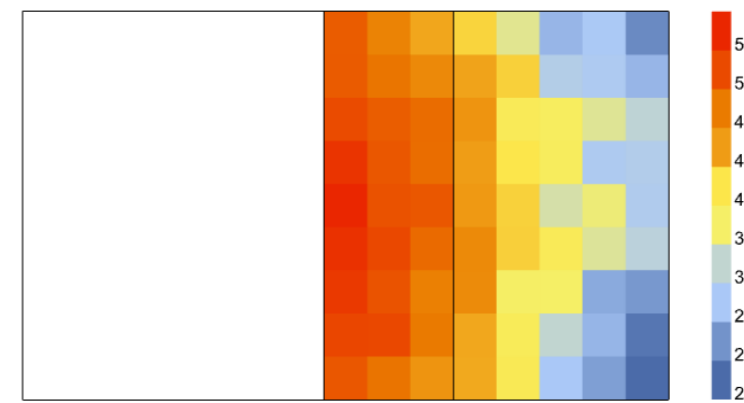
1. Daylight Autonomy (DA) - [%]



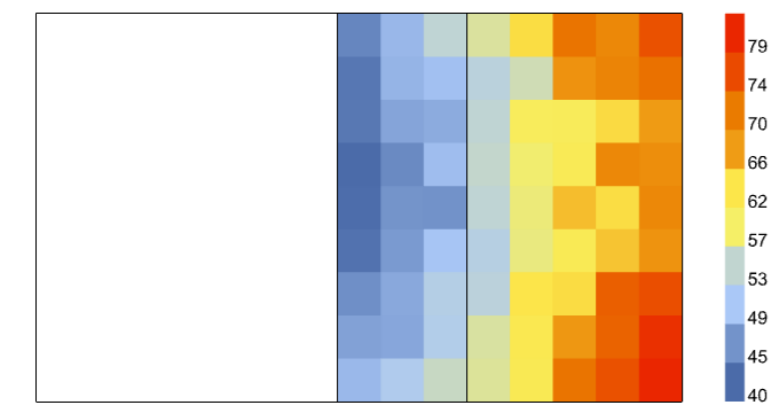
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



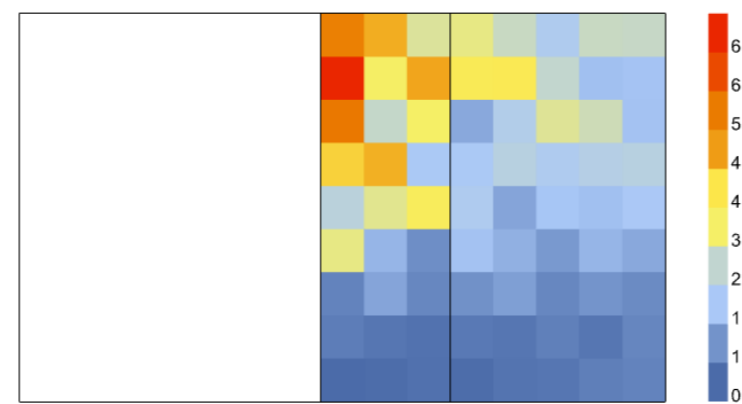
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

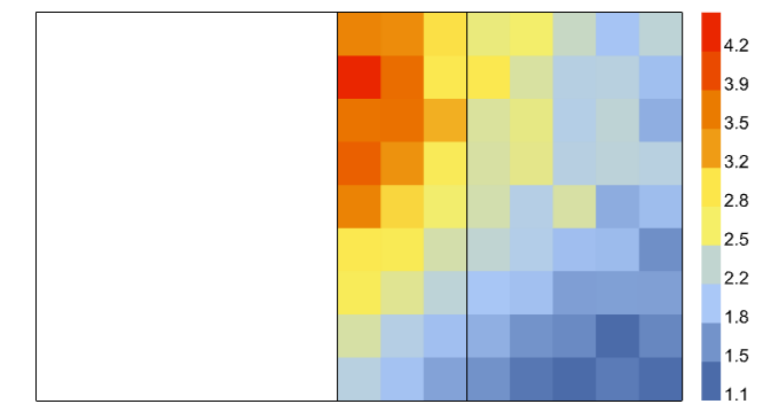


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

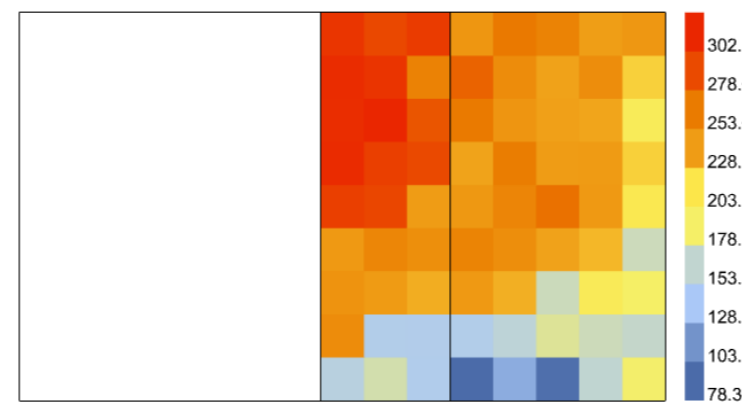


Annual Irradiance

1. Average Irradiance - [W/m²]

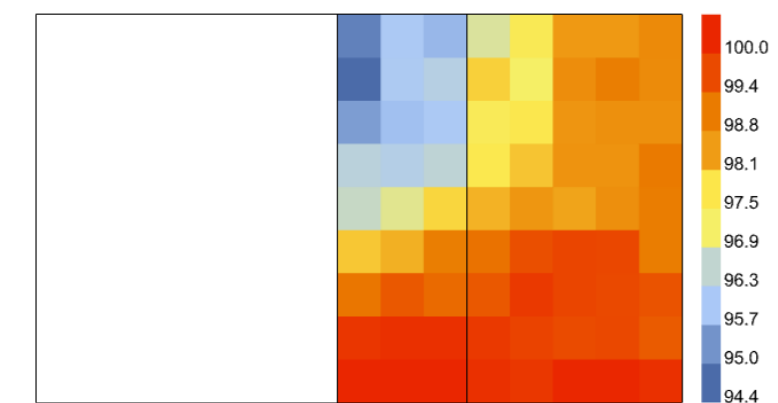


2. Peak Irradiance - [W/m²]



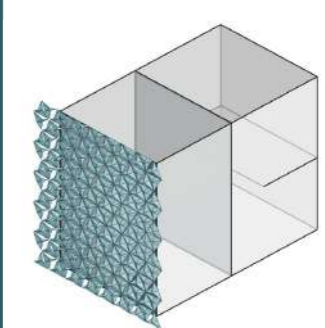
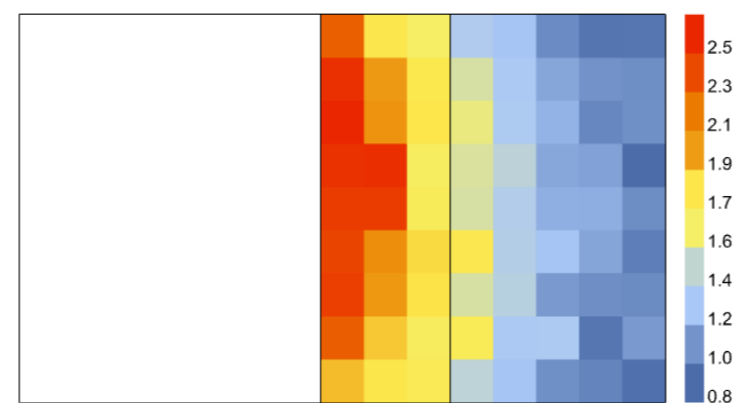
Annual Glare

1. Glare Autonomy (GA) - [%]

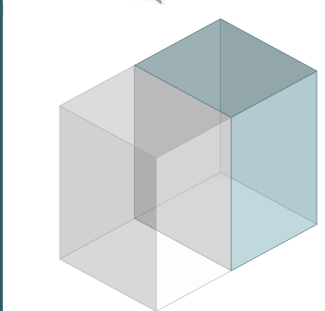


Daylight Factor

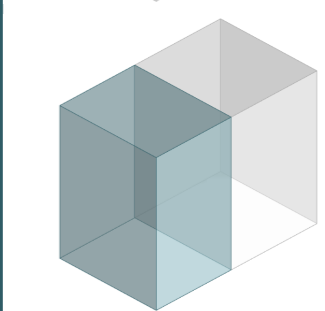
[%]



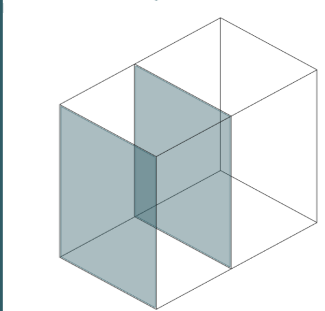
1. Modello Rhino



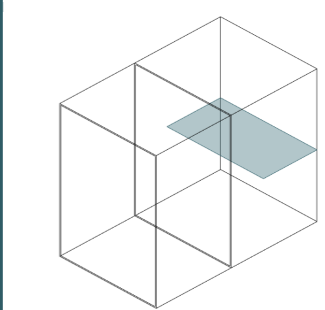
2. Modello HB
Uffici 4,0x4,5 m
Altezza 6,6 m



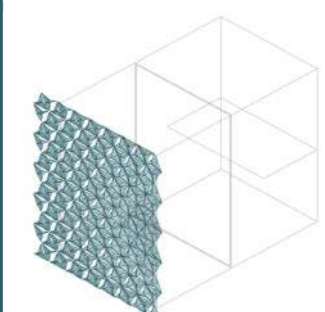
3. Modello HB
Corridoio 3,5x4,5 m
Altezza 6,6 m



4. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interna)
= 0,7 (esterna, LSC)



5. Modello HB
Soppalco ad
altezza 3,10 m



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Aperto verso Sud

139 SCELTA CONFIGURAZIONE
CP4



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

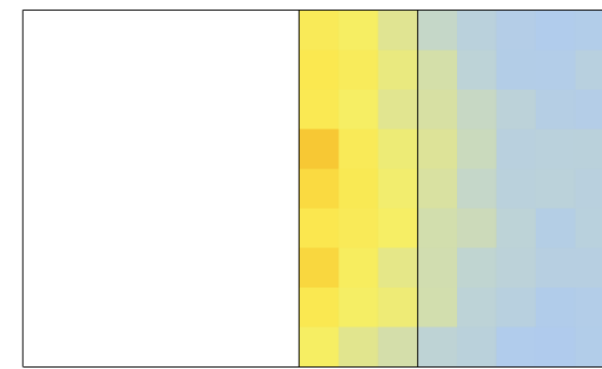
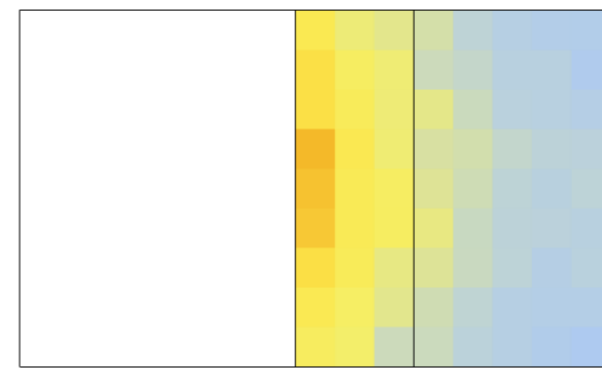
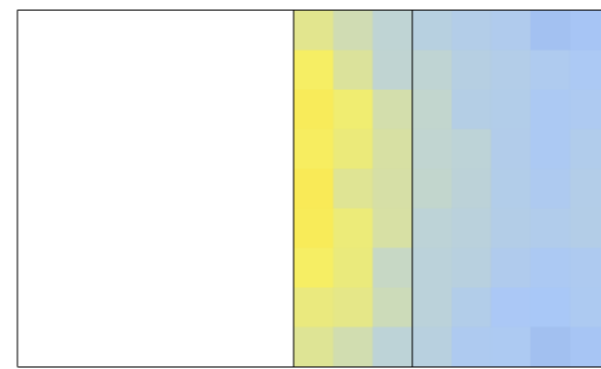
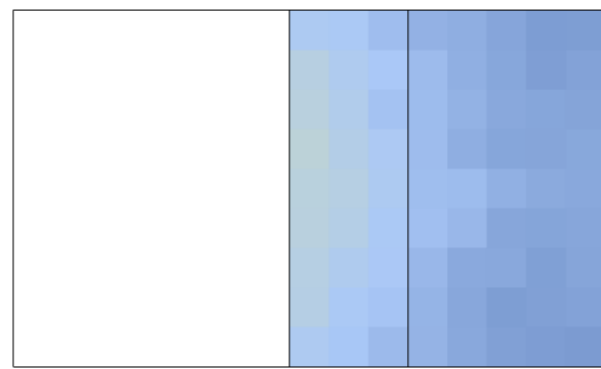
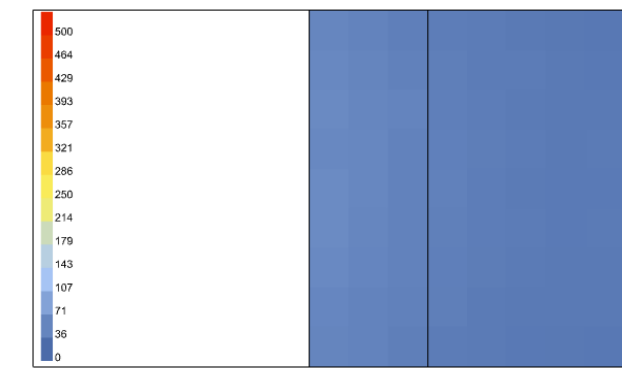
CP1

CP1

CP1

CP1

CP1



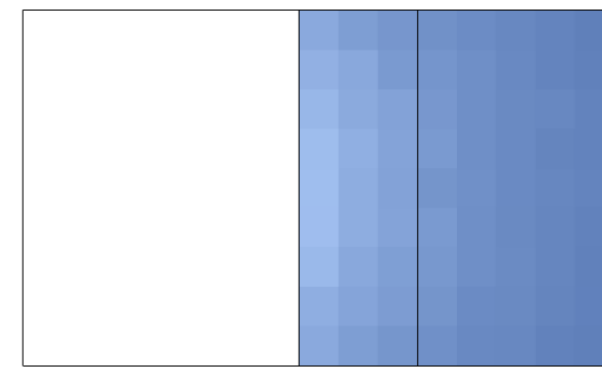
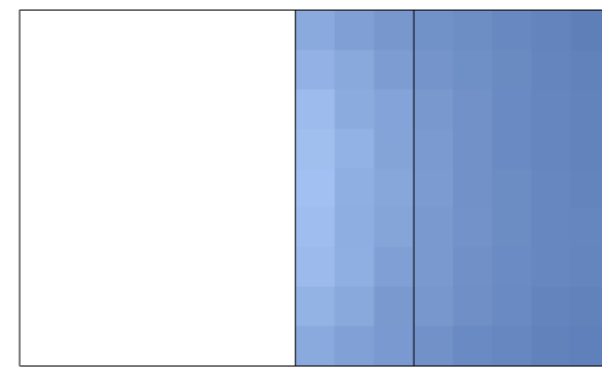
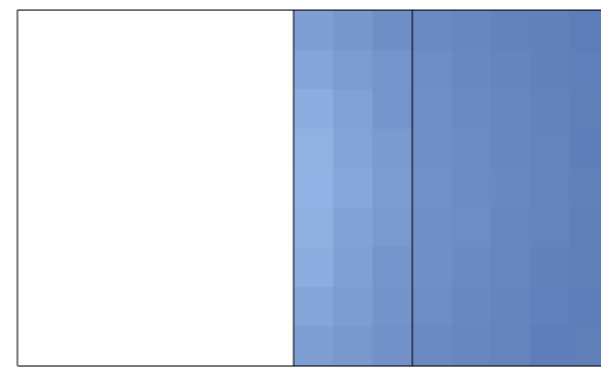
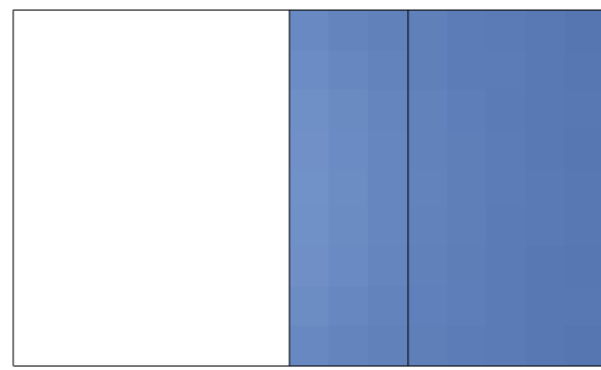
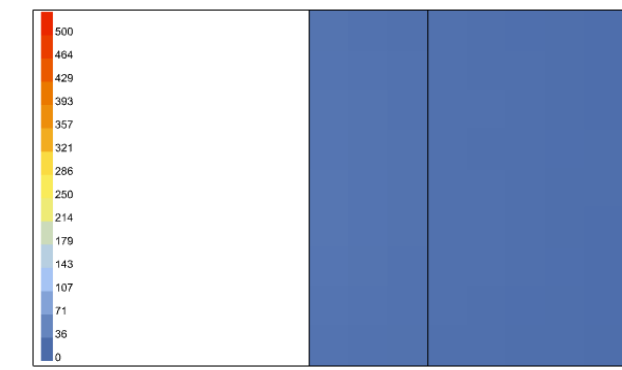
CP2

CP2

CP2

CP2

CP2



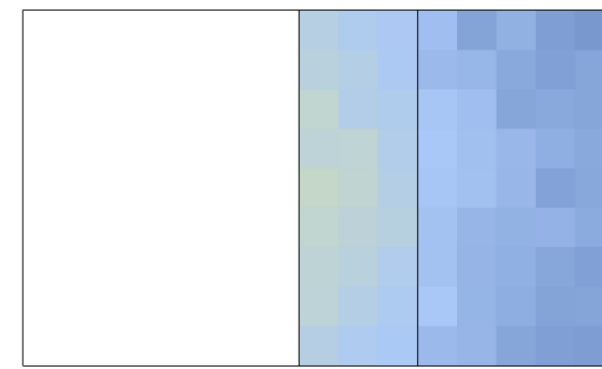
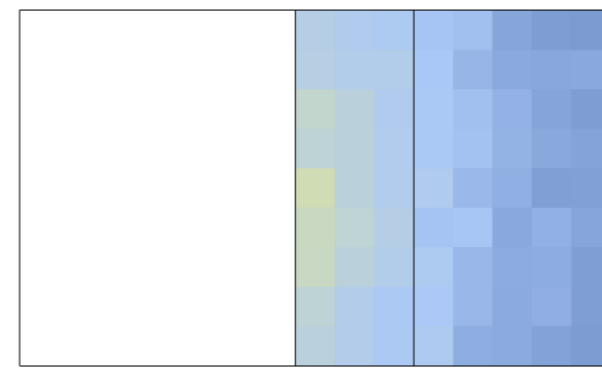
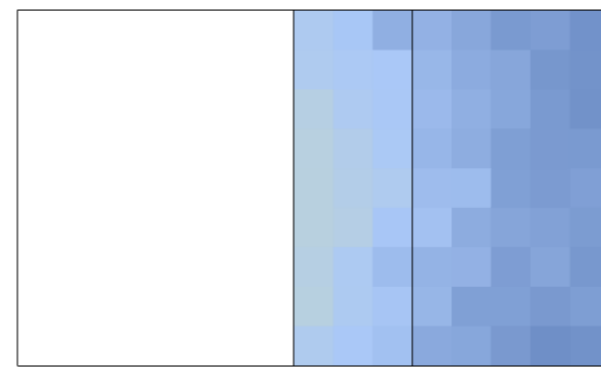
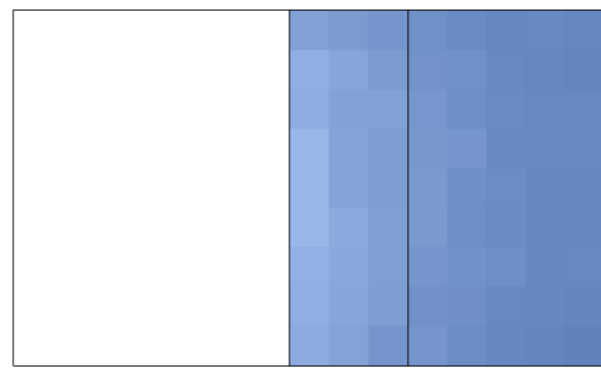
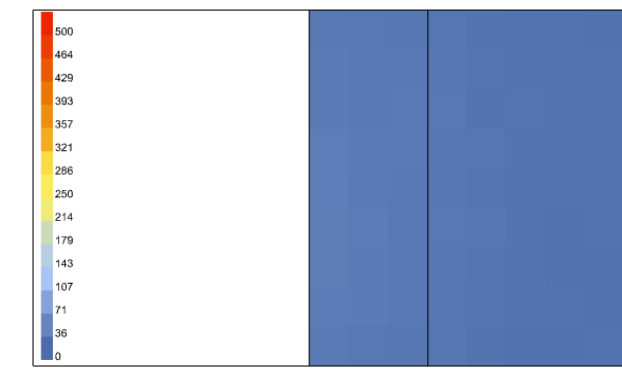
CP3

CP3

CP3

CP3

CP3



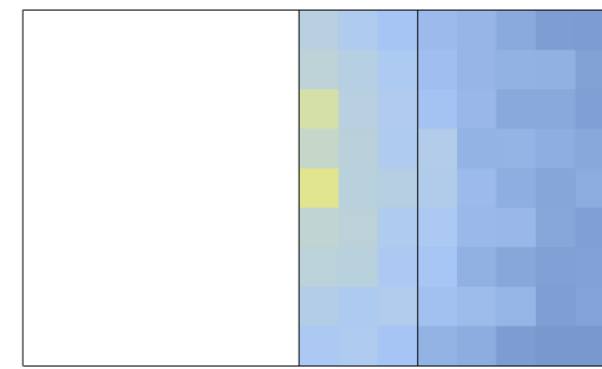
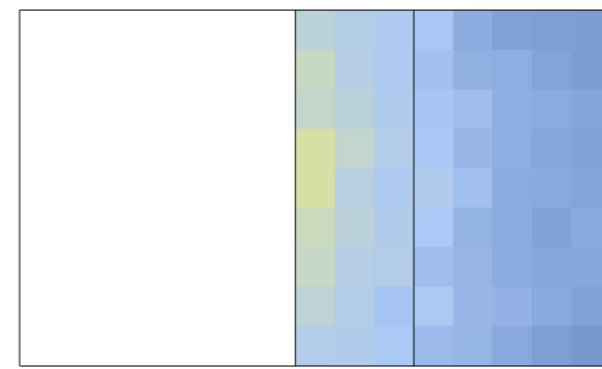
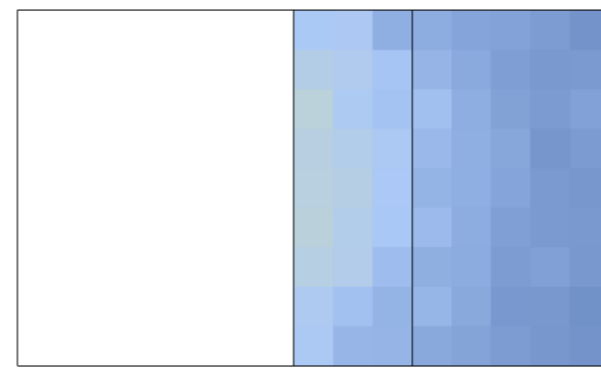
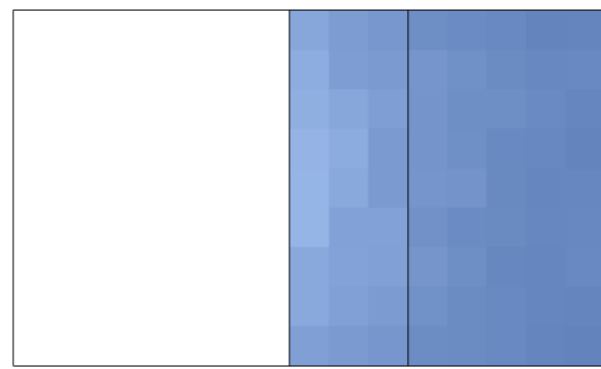
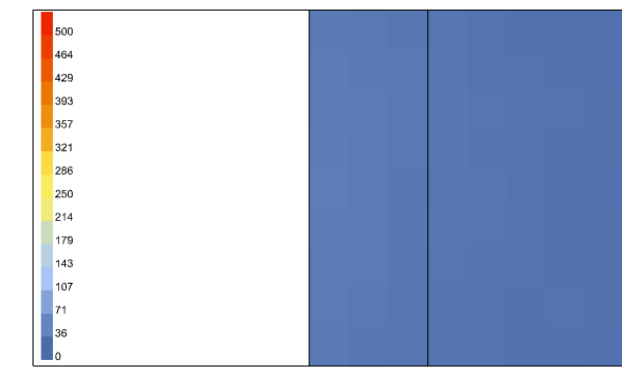
CP4

CP4

CP4

CP4

CP4



140 SCELTA CONFIGURAZIONE
21 DICEMBRE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

14.00

15.00

16.00

17.00

18.00

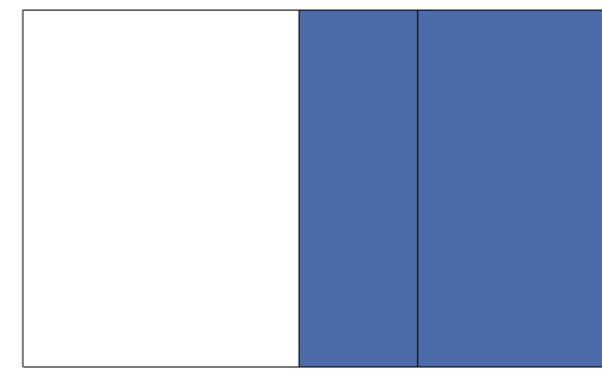
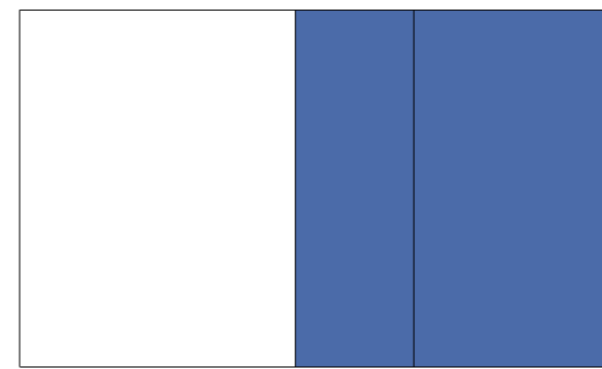
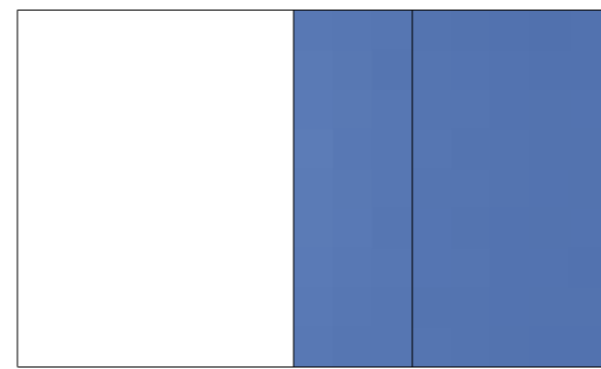
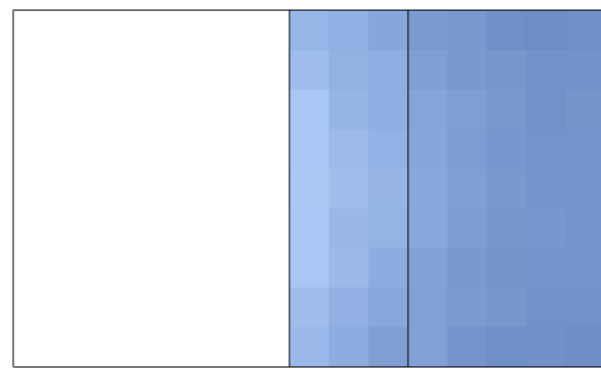
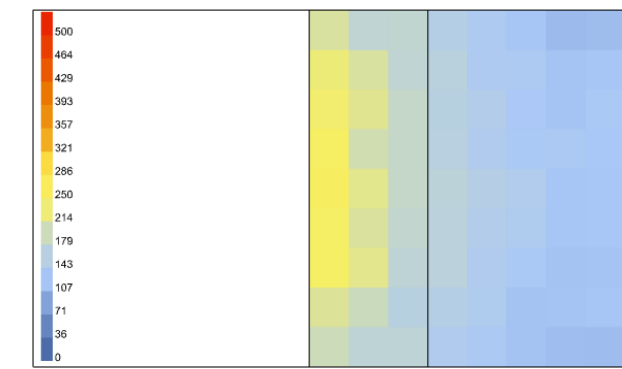
CP1

CP1

CP1

CP1

CP1



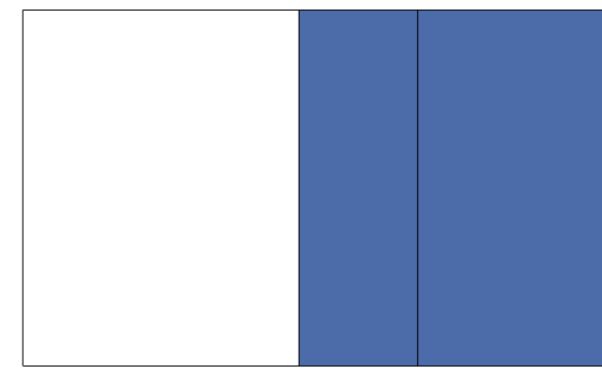
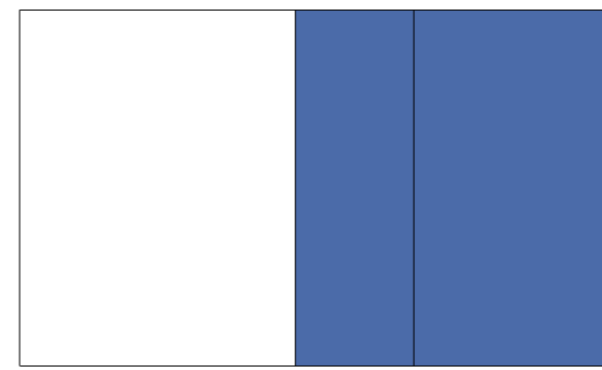
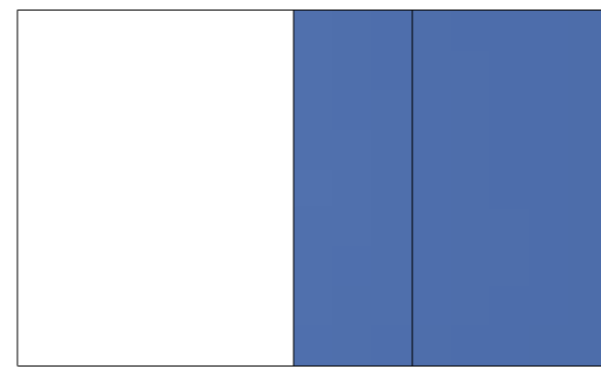
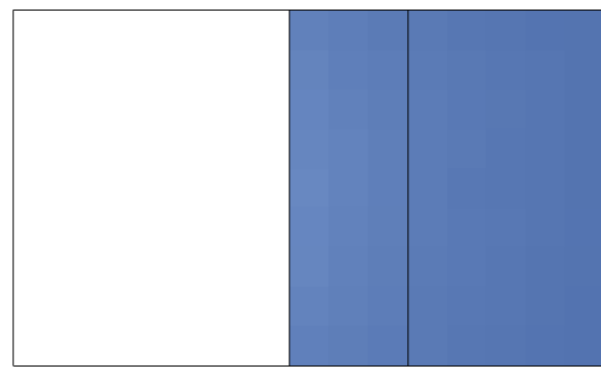
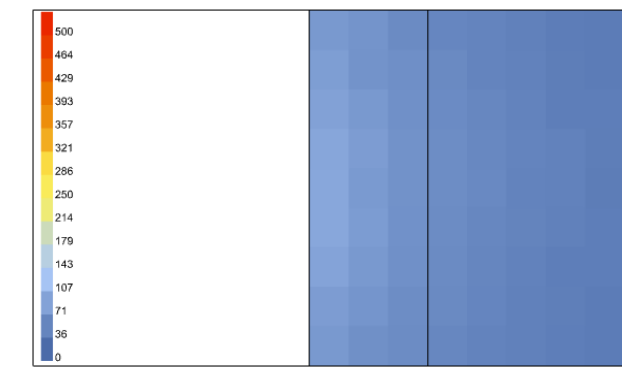
CP2

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CP2

CP2

CP2



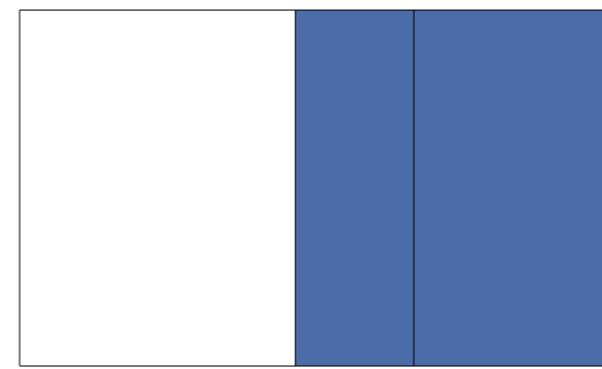
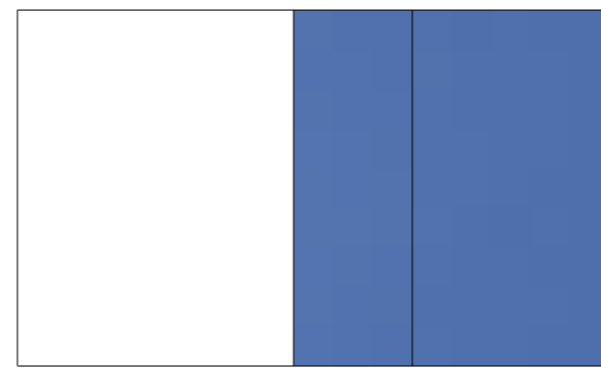
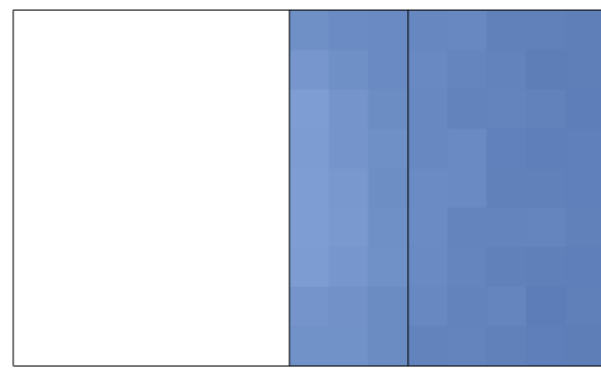
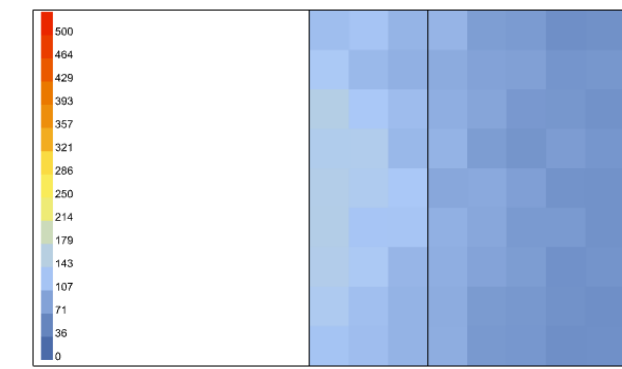
CP3

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CP3

CP3

CP3



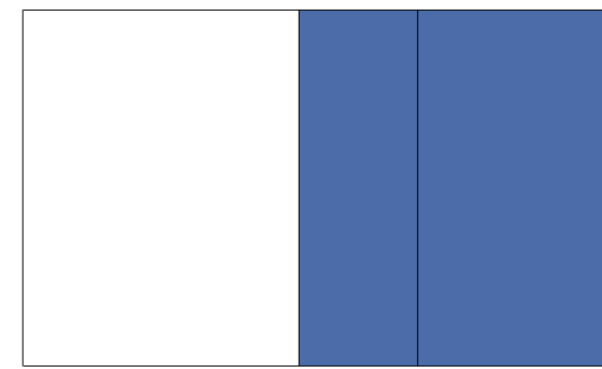
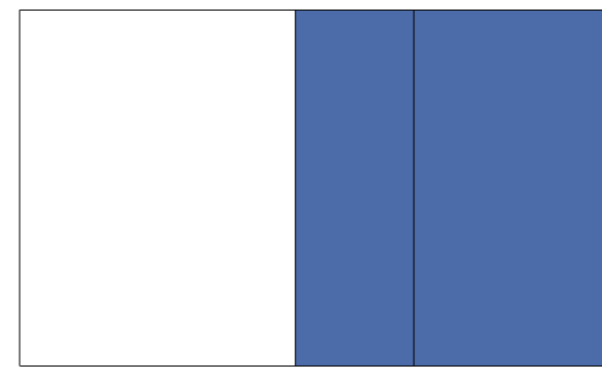
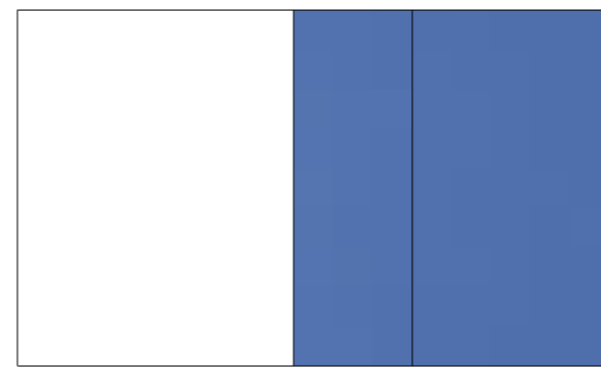
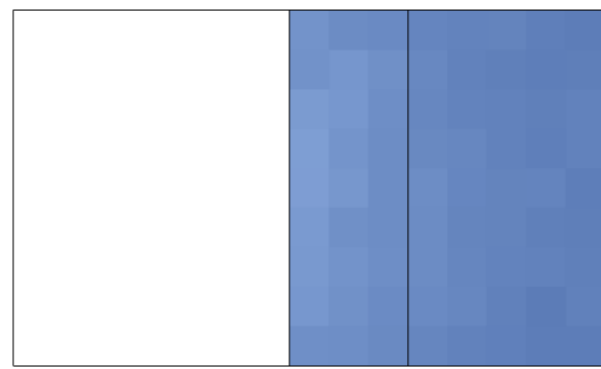
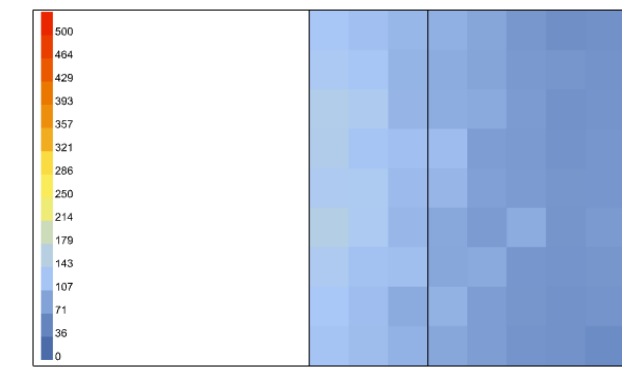
CP4

CP4

CP4

CP4

CP4

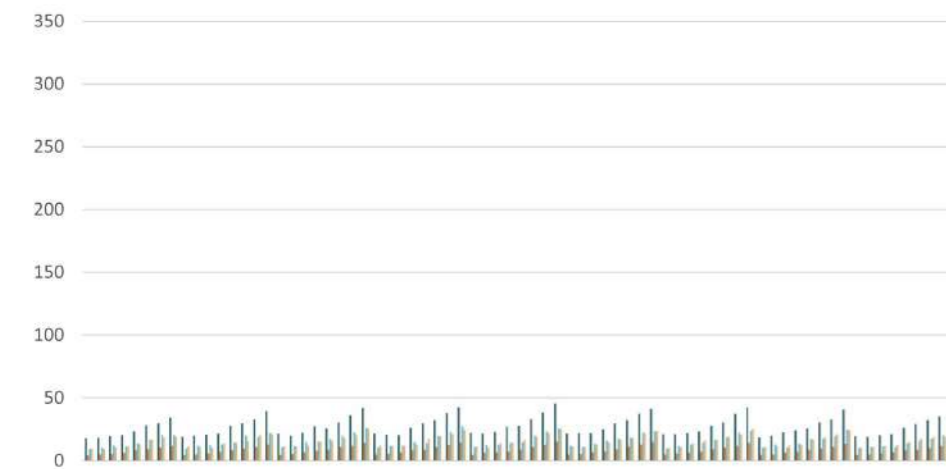


141 SCELTA CONFIGURAZIONE
21 DICEMBRE

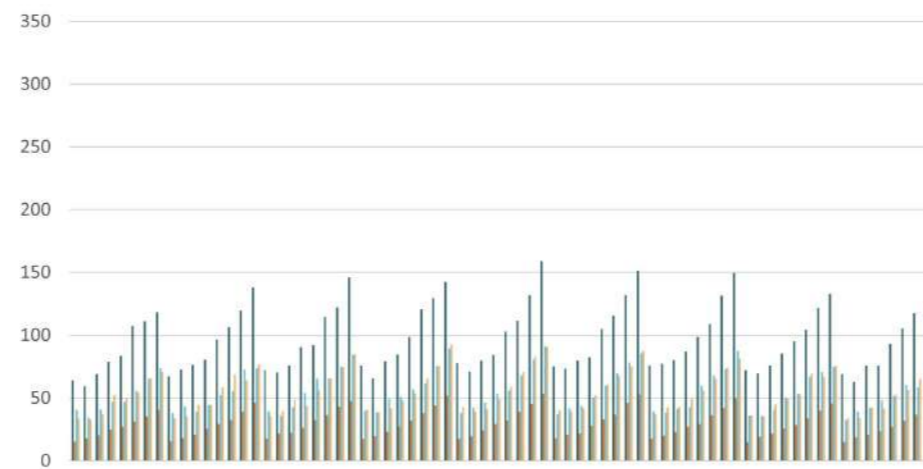


Annibale Alessandra
Chiesa Emily
Prelli Giulia

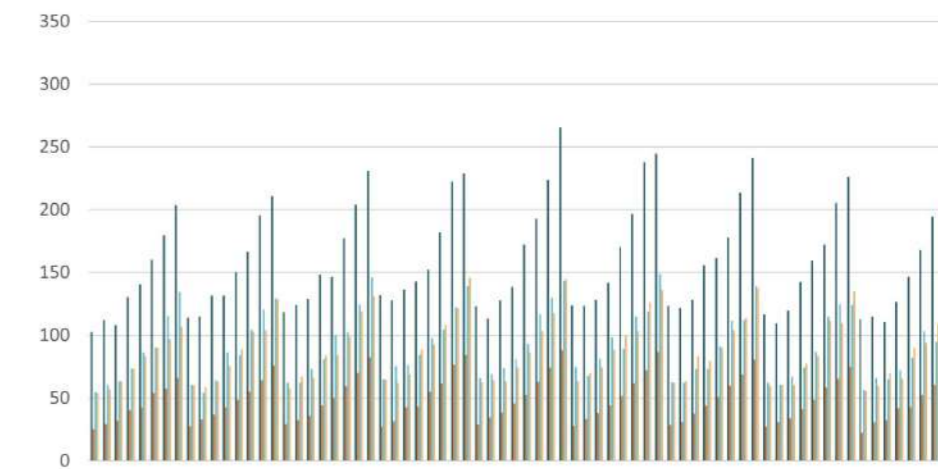
9.00



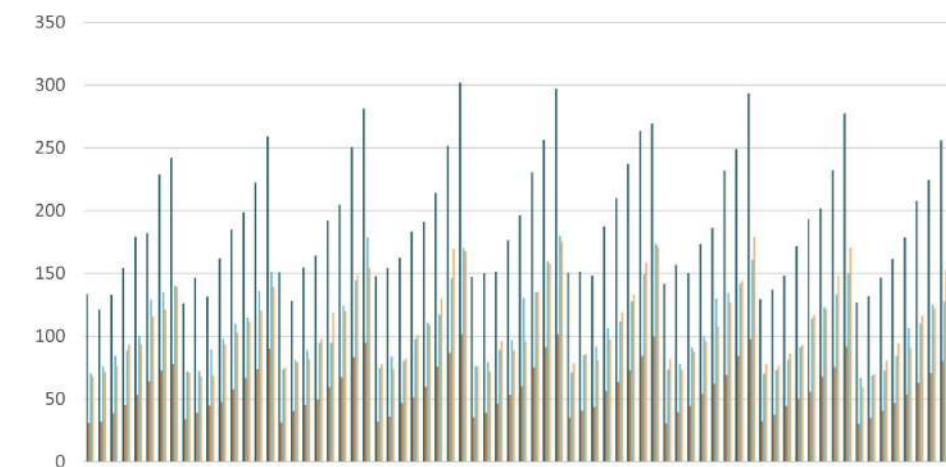
10.00



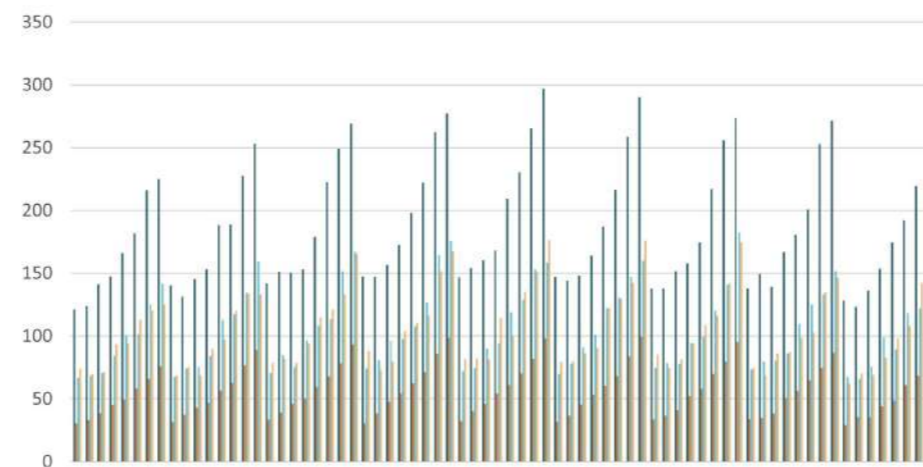
11.00



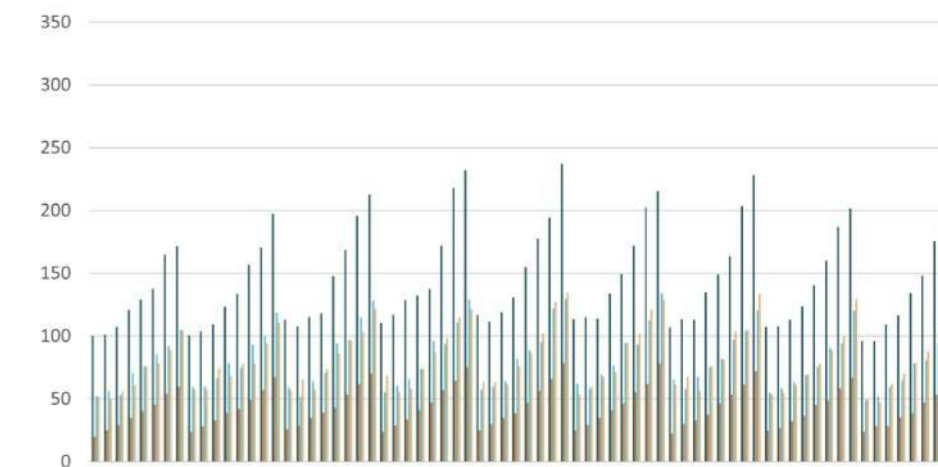
12.00



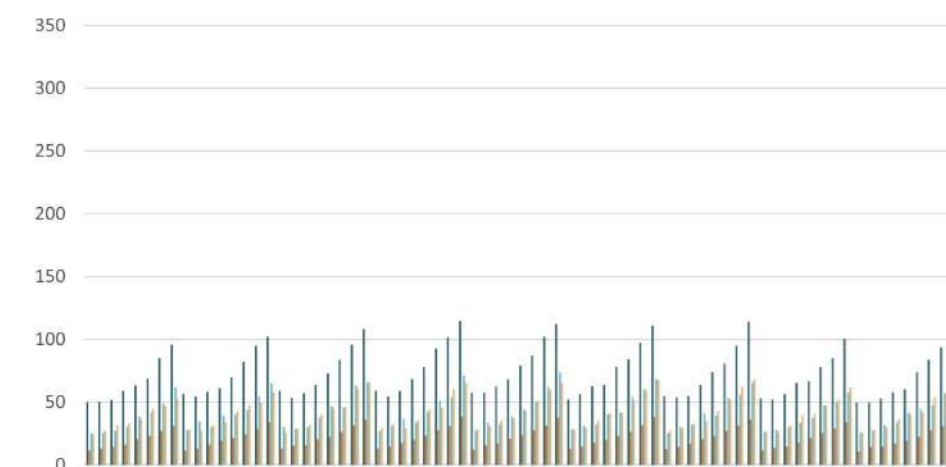
13.00



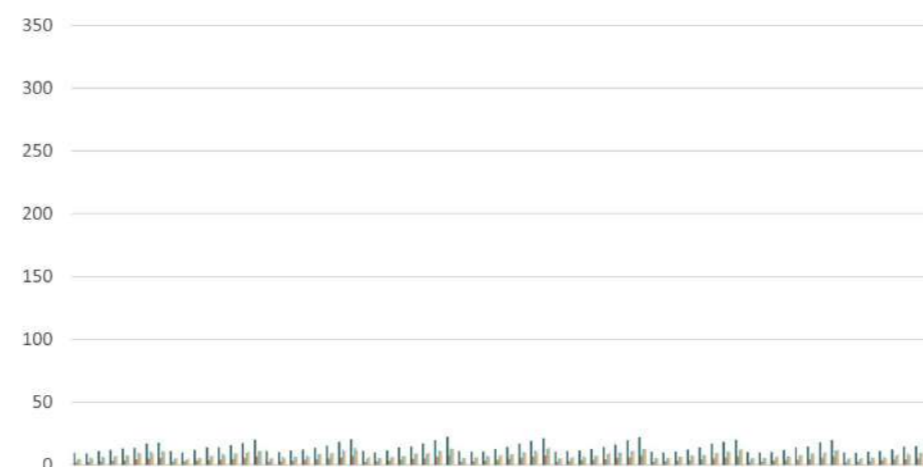
14.00



15.00



16.00



LEGENDA

- CP1
- CP2
- CP3
- CP4

142 CONFRONTO RISULTATI
21 DICEMBRE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

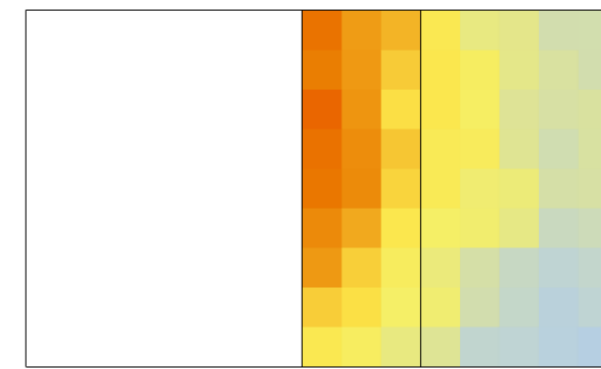
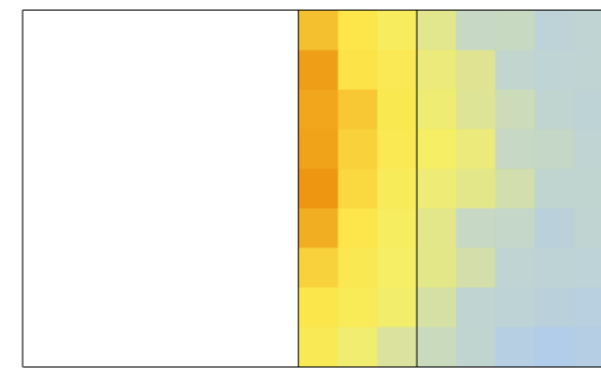
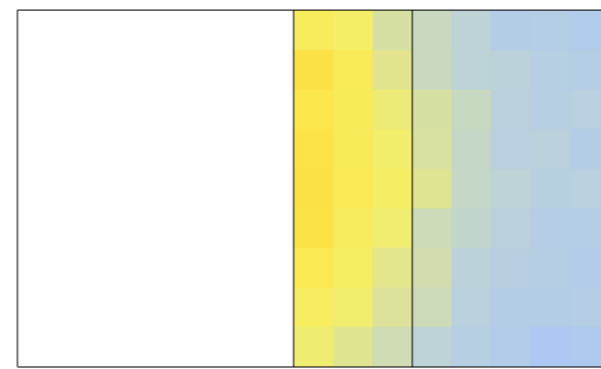
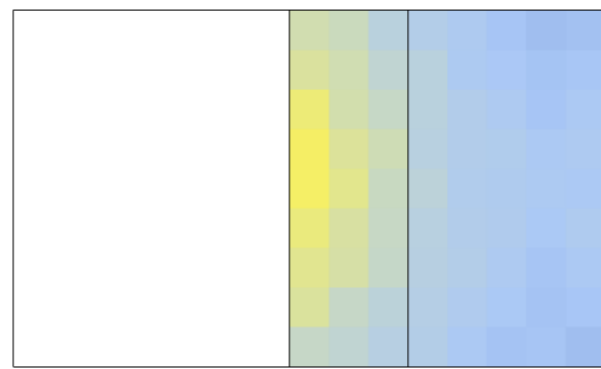
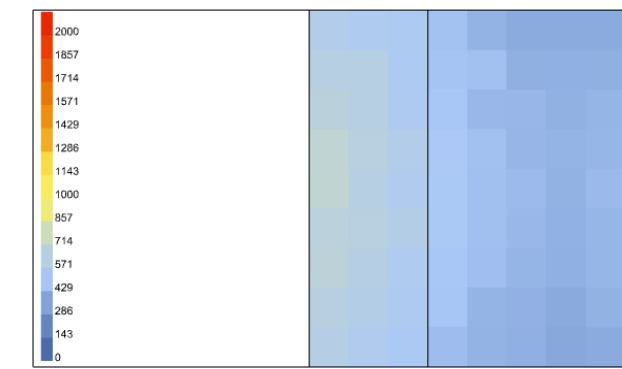
CP1

CP1

CP1

CP1

CP1



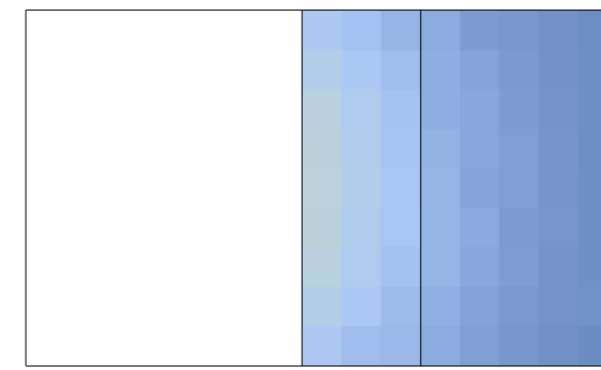
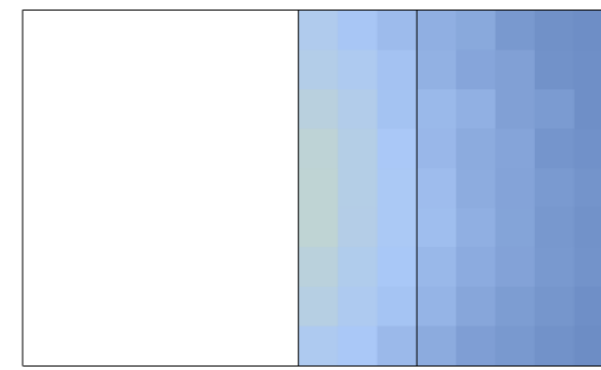
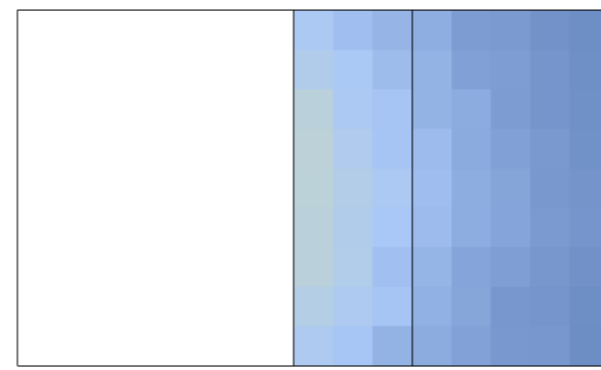
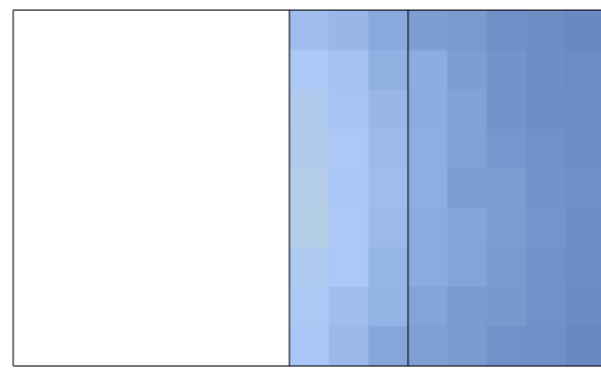
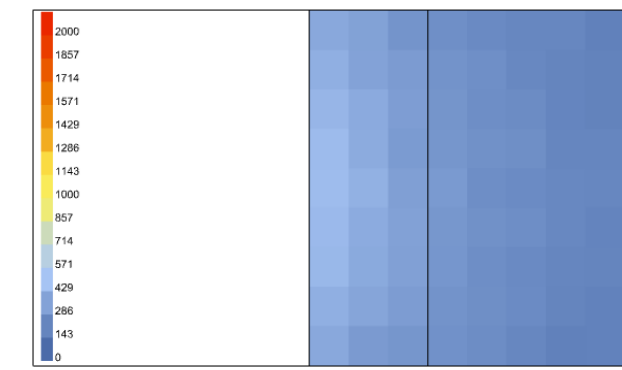
CP2

CP2

CP2

CP2

CP2



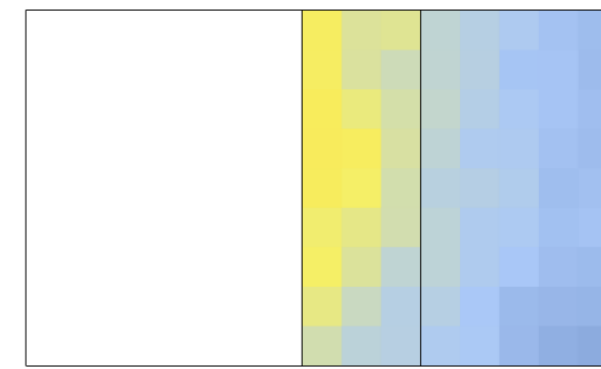
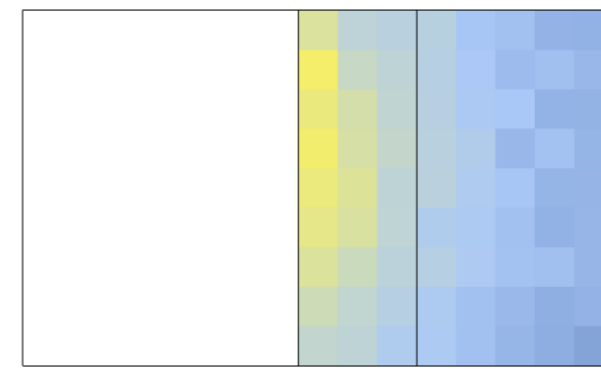
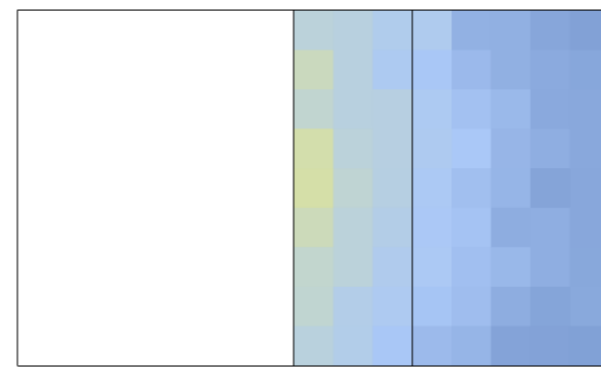
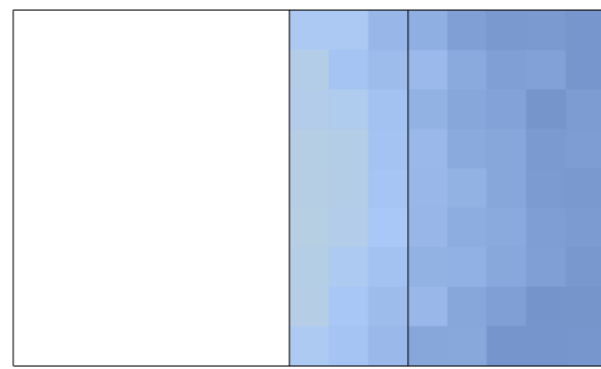
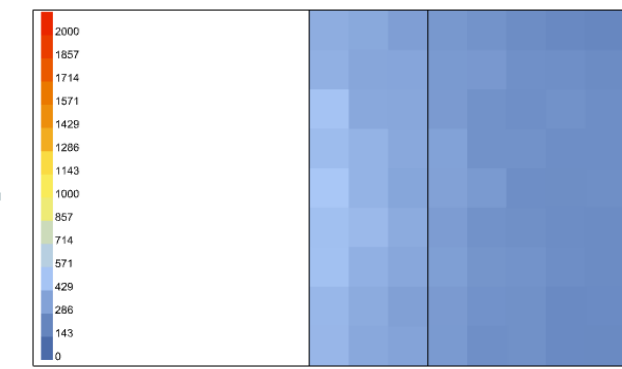
CP3

CP3

CP3

CP3

CP3



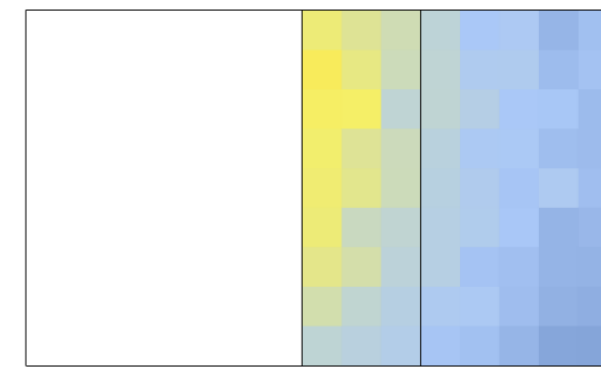
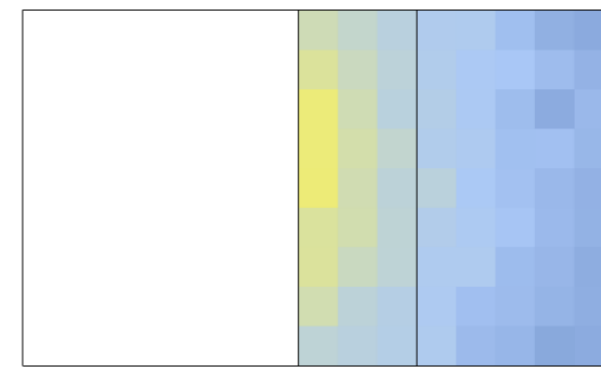
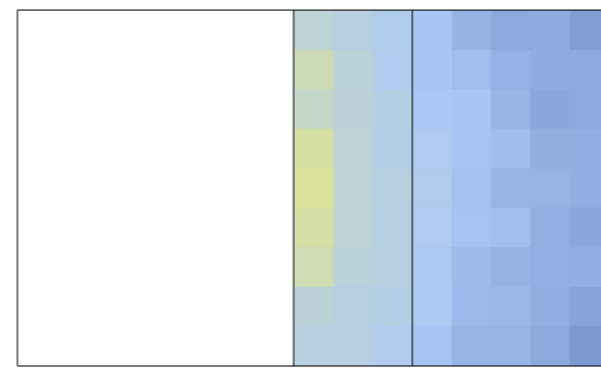
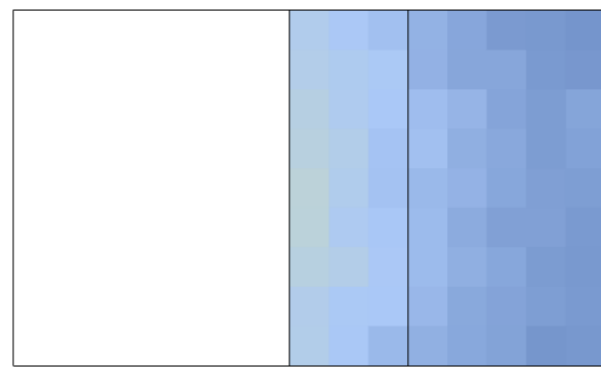
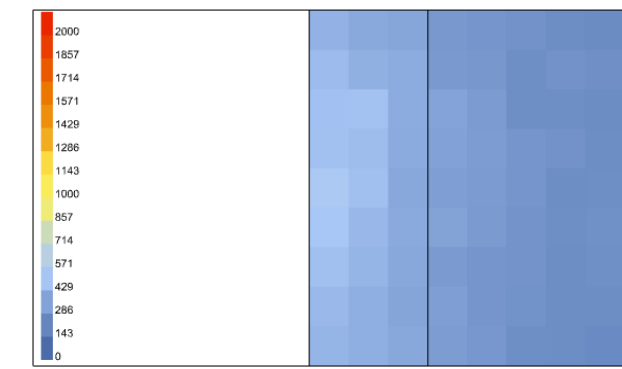
CP4

CP4

CP4

CP4

CP4



143 SCELTA CONFIGURAZIONE
21 MARZO



Annibale Alessandra
Chiesa Emily
Prelli Giulia

14.00

15.00

16.00

17.00

18.00

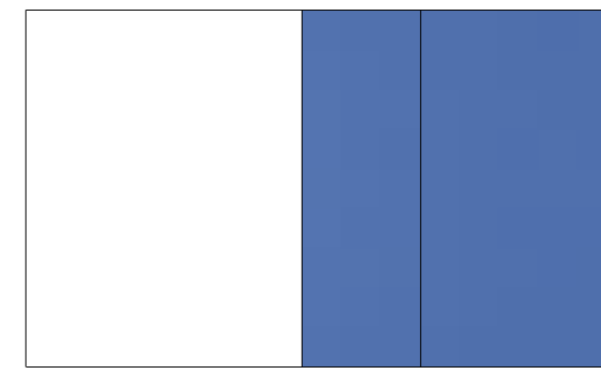
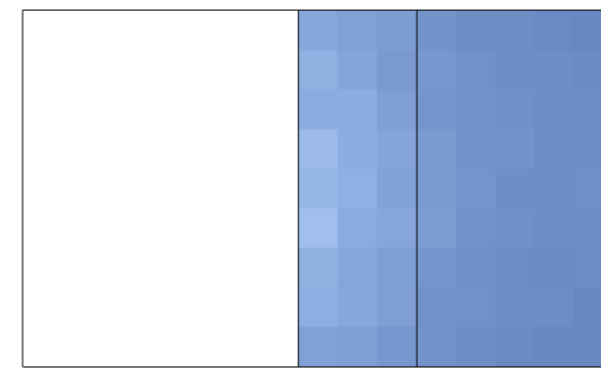
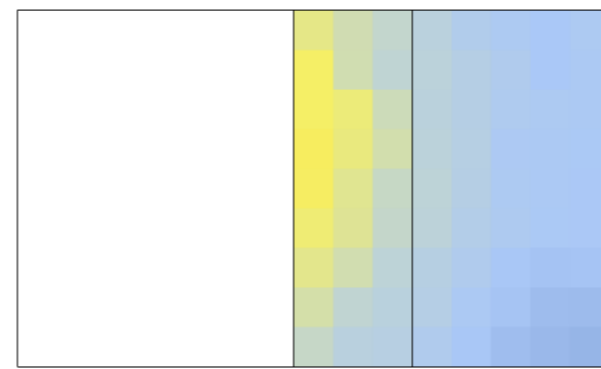
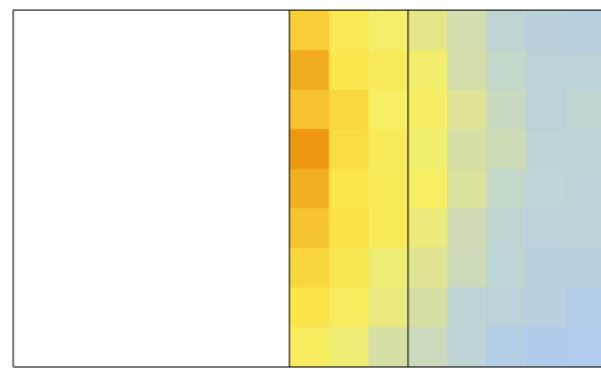
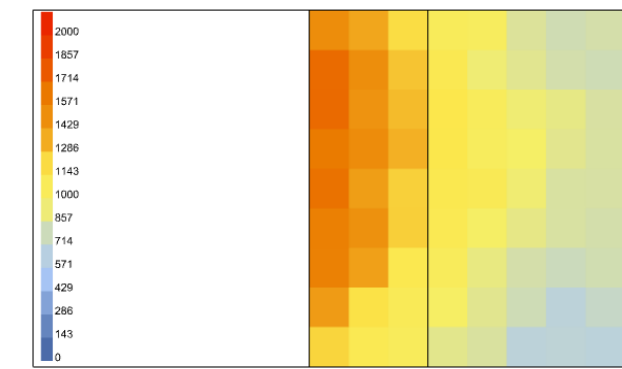
CP1

CP1

CP1

CP1

CP1



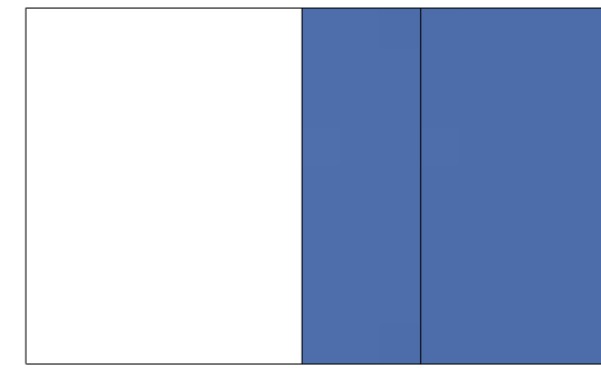
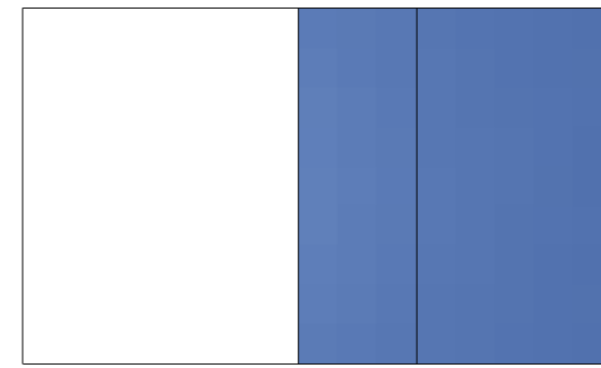
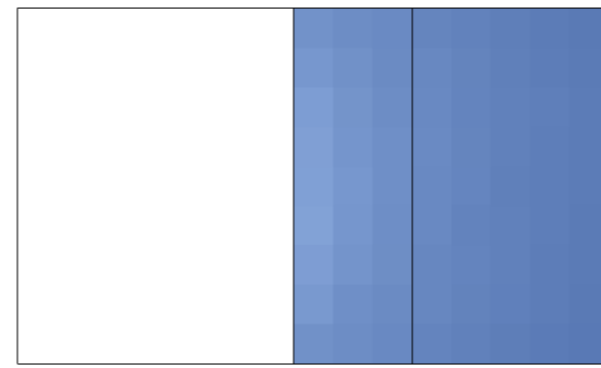
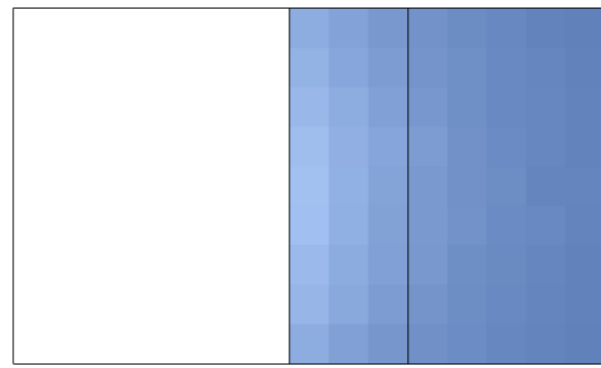
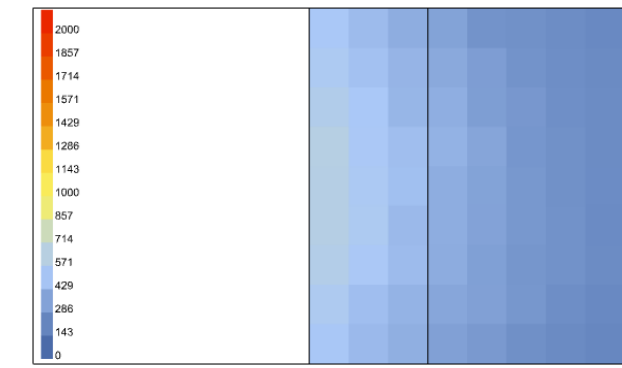
CP2

CP2

CP2

CP2

CP2



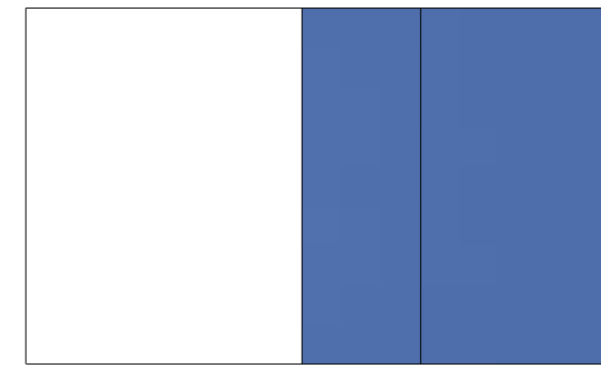
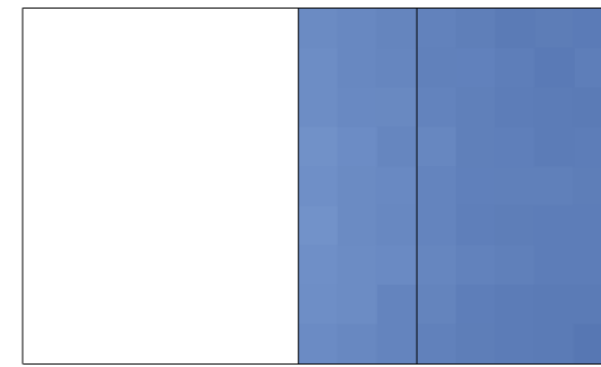
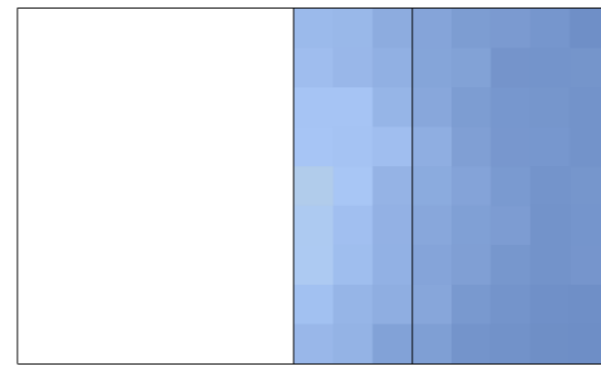
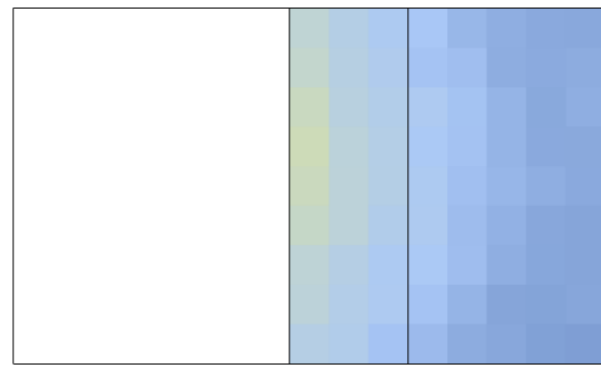
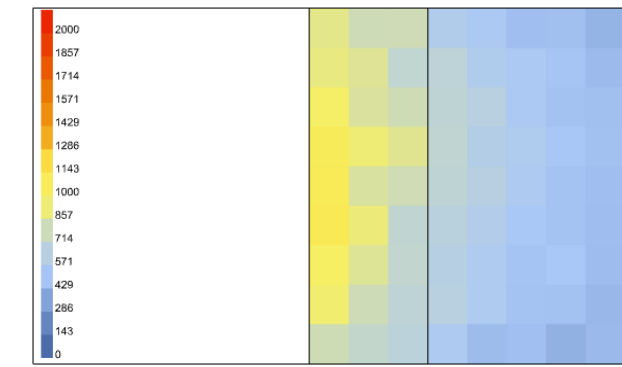
CP3

CP3

CP3

CP3

CP3



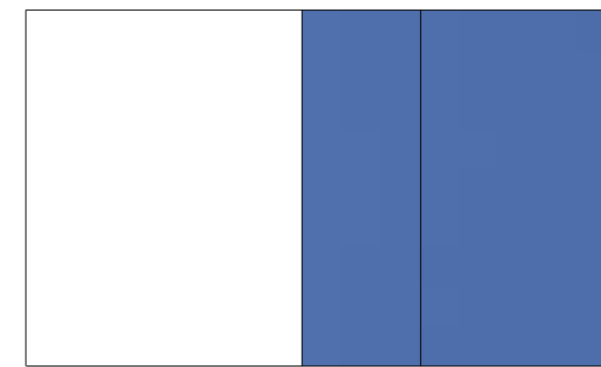
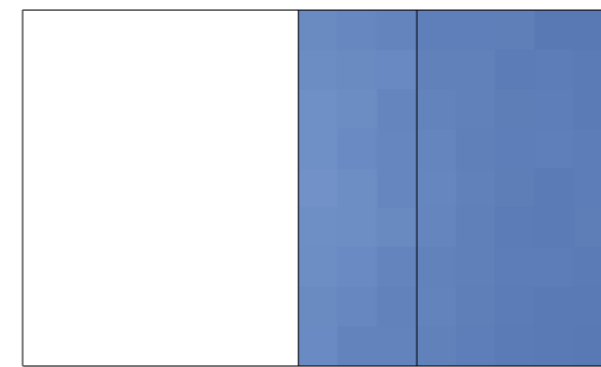
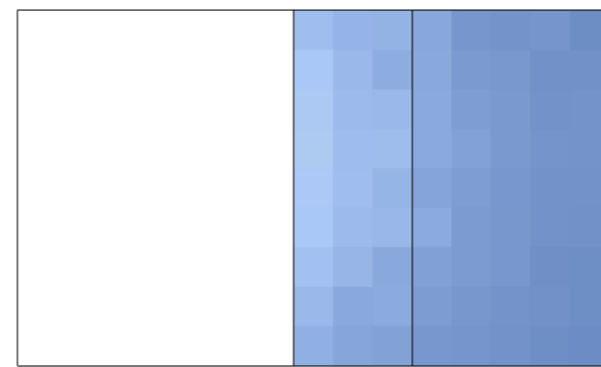
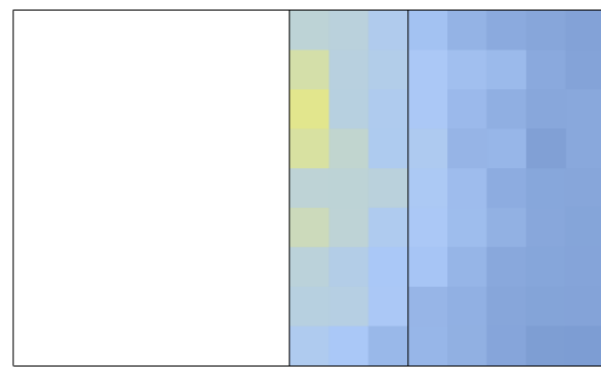
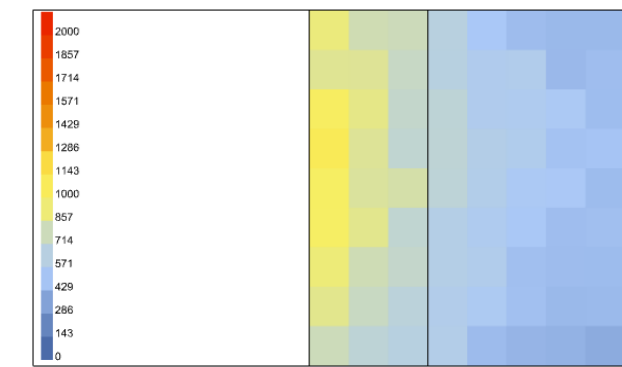
CP4

CP4

CP4

CP4

CP4



144 SCELTA CONFIGURAZIONE
21 MARZO

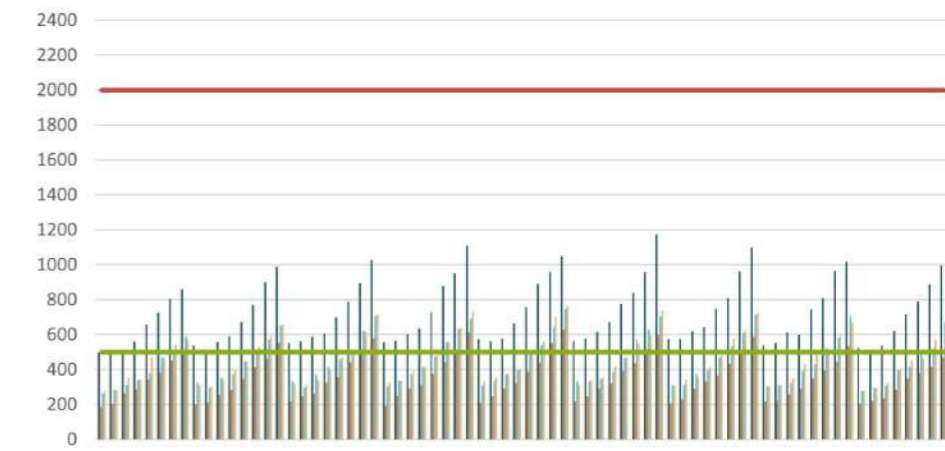
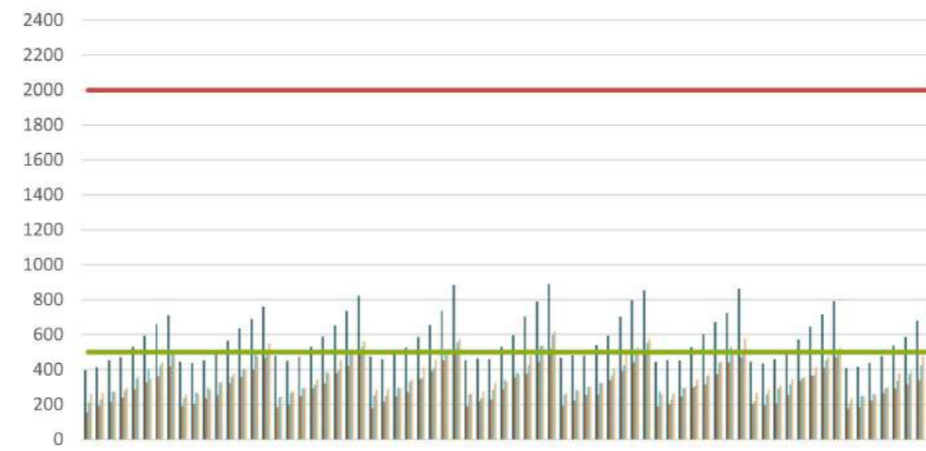
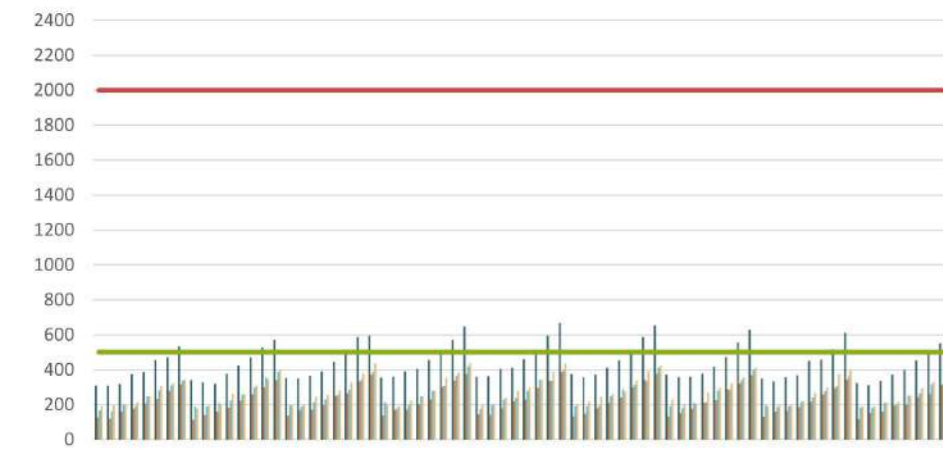


Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

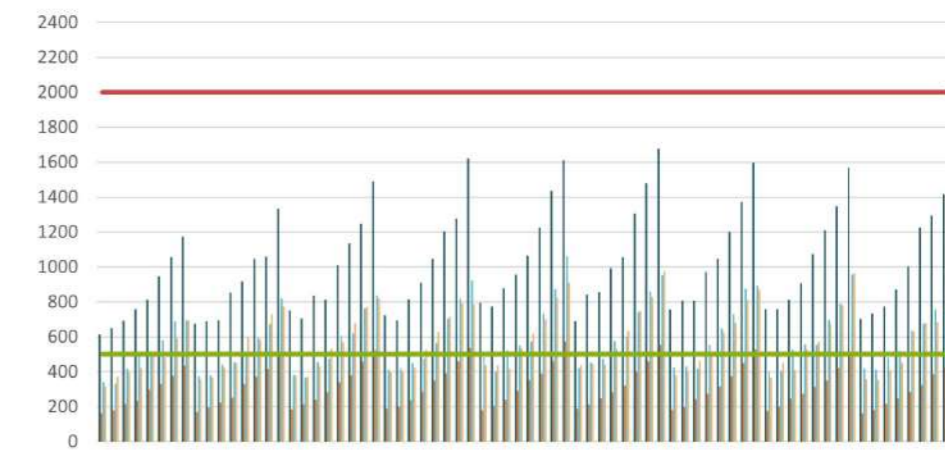
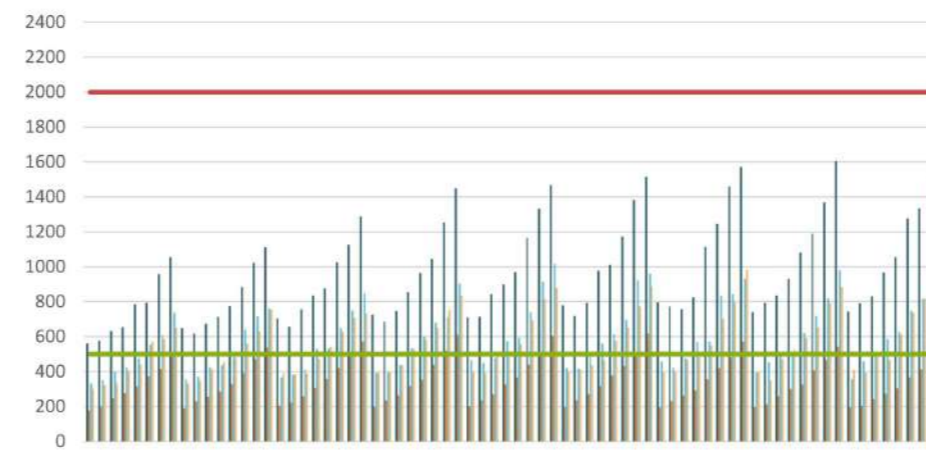
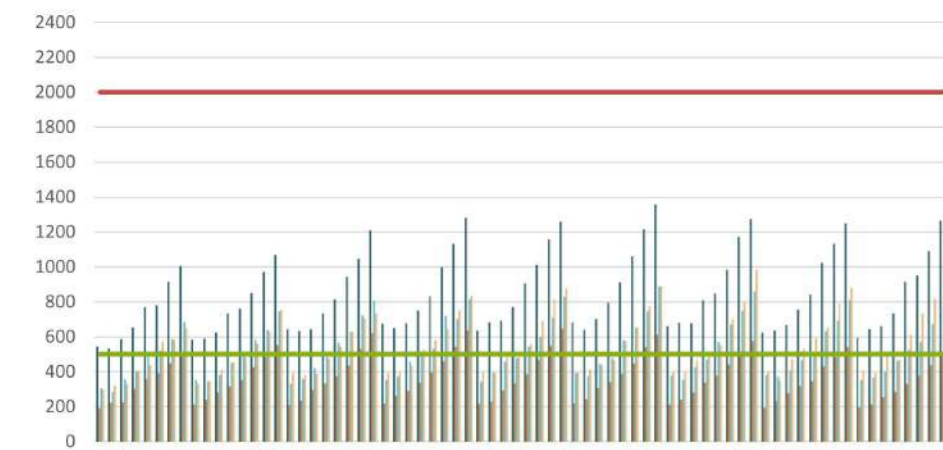
11.00



12.00

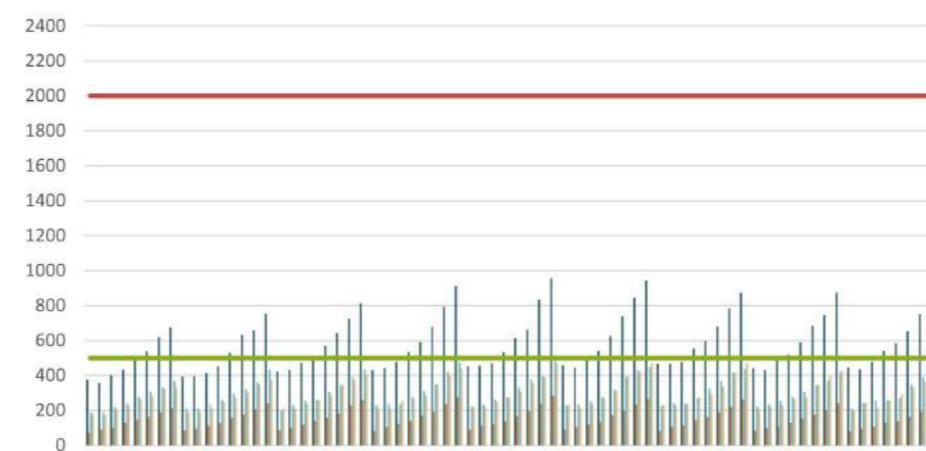
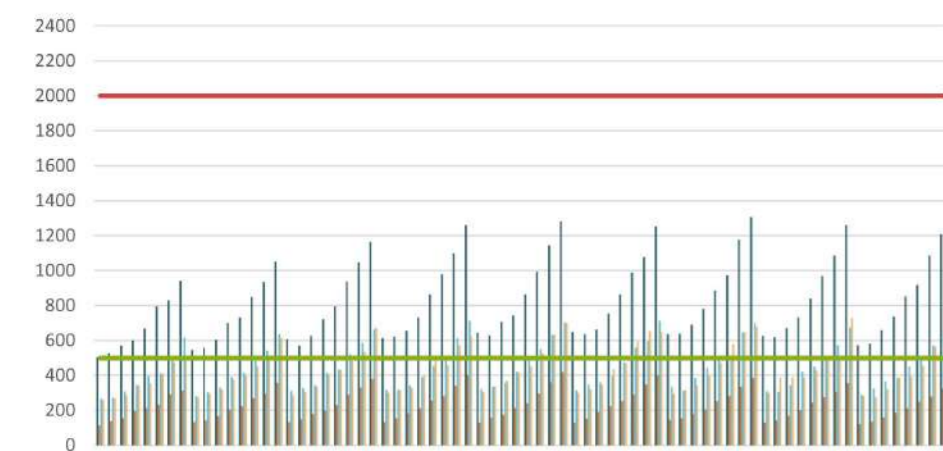
13.00

14.00



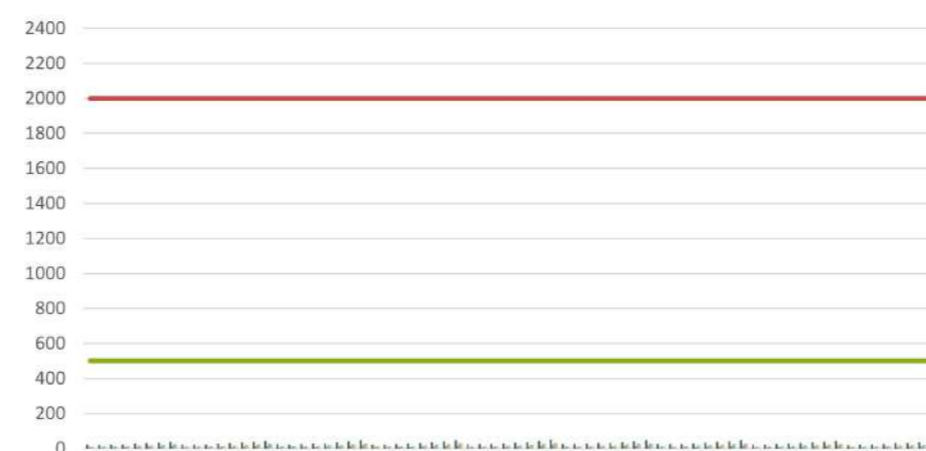
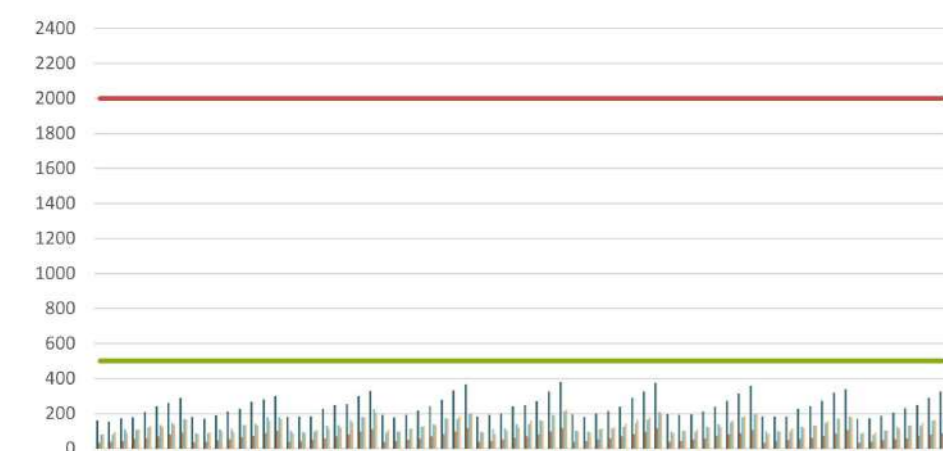
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

145 CONFRONTO RISULTATI
21 MARZO



Annibale Alessandra
Chiesa Emily
Prelli Giulia

14.00

15.00

16.00

17.00

18.00

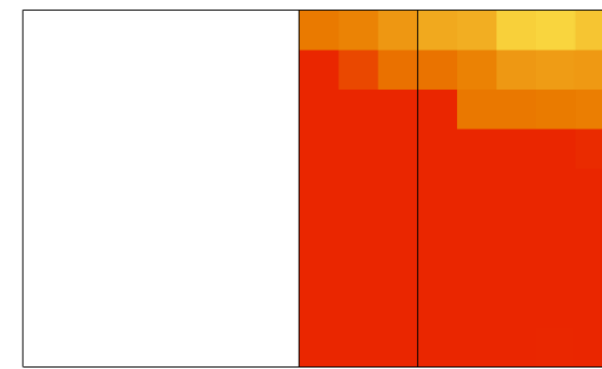
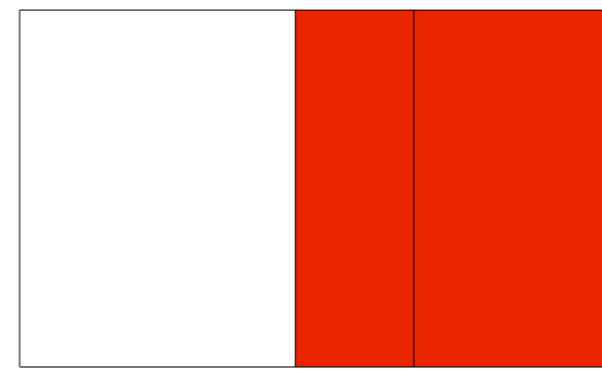
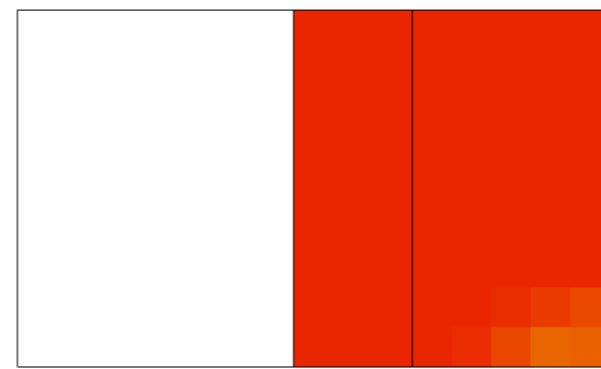
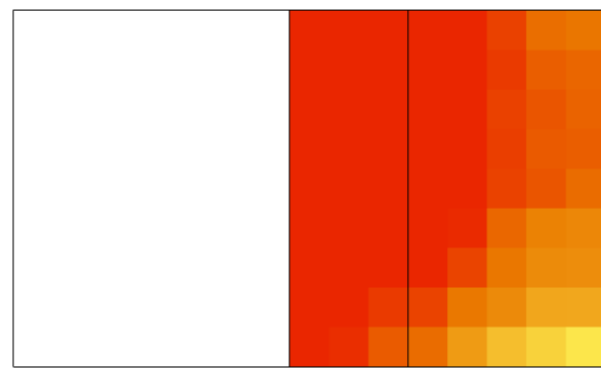
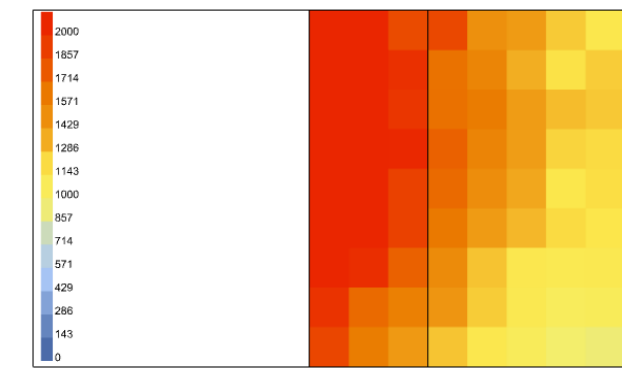
CP1

CP1

CP1

CP1

CP1



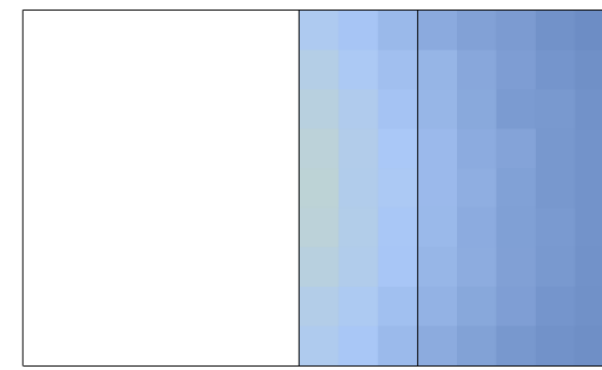
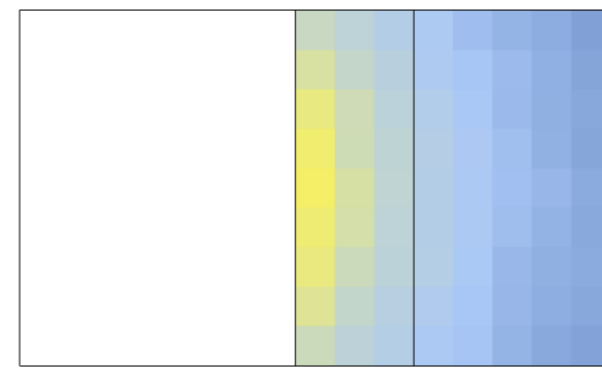
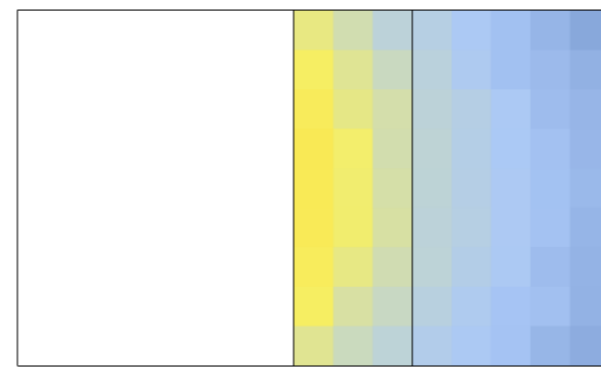
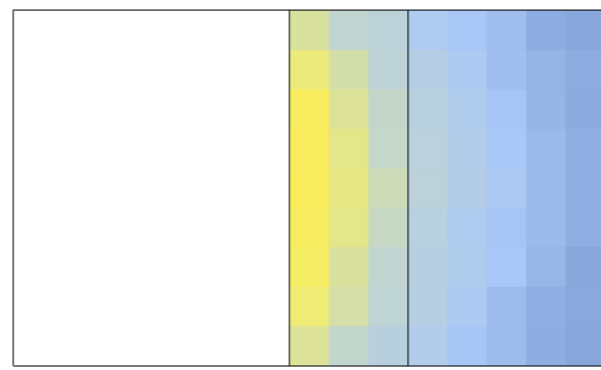
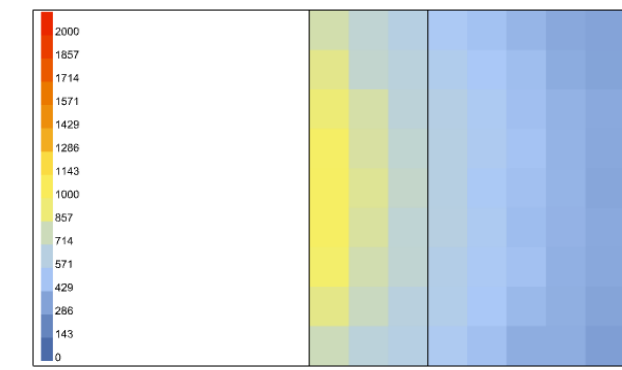
CP2

CP2

CP2

CP2

CP2



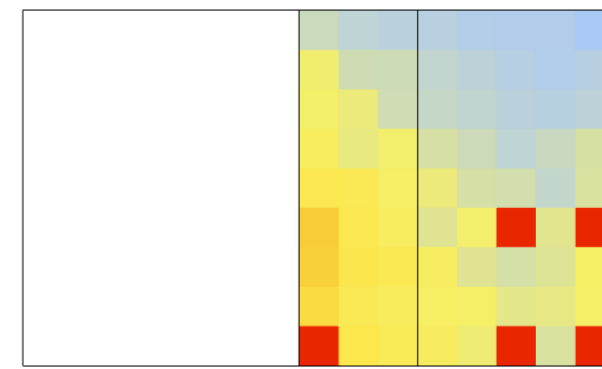
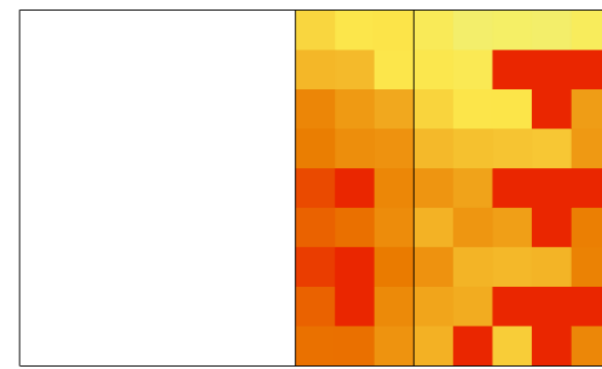
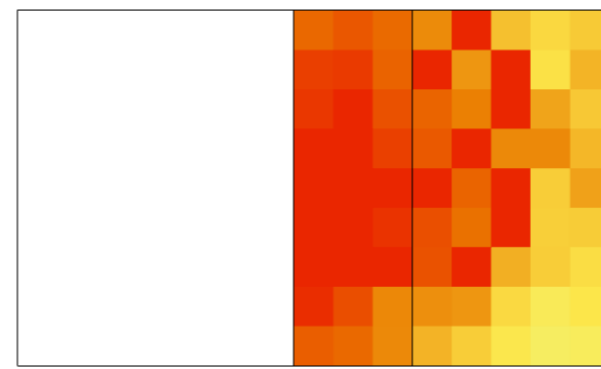
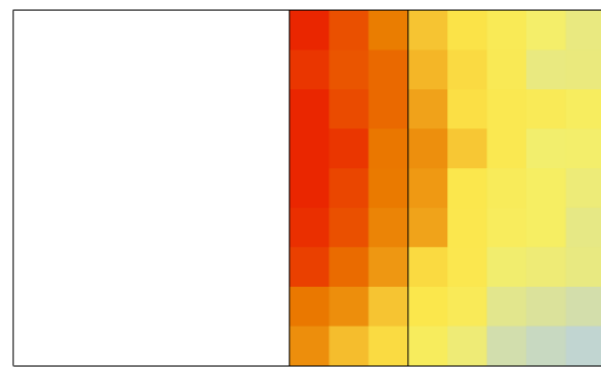
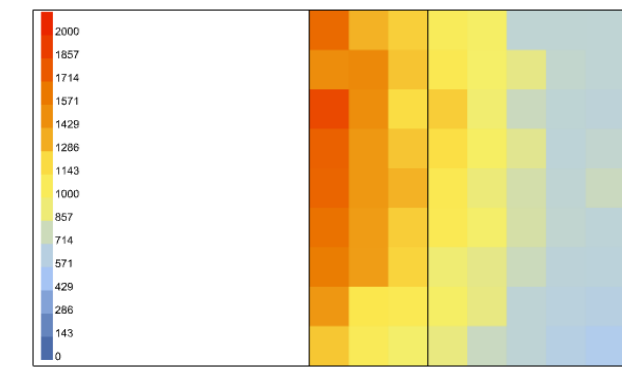
CP3

CP3

CP3

CP3

CP3



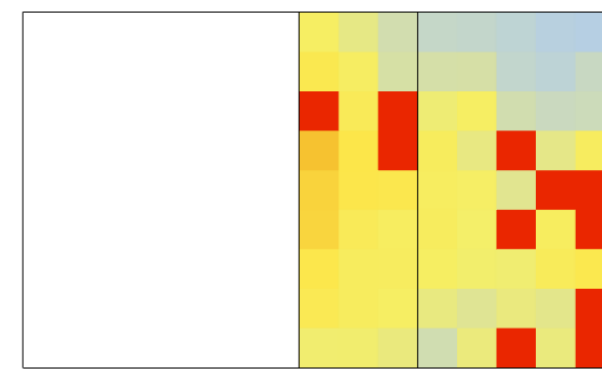
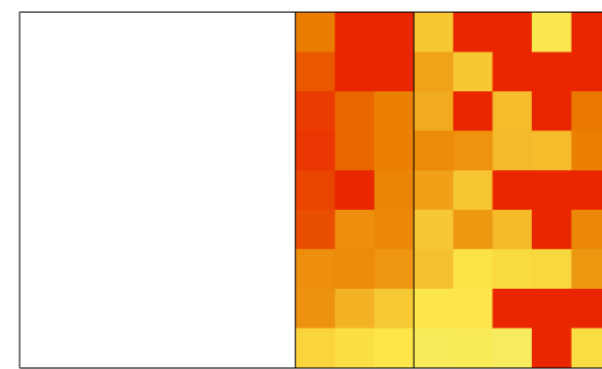
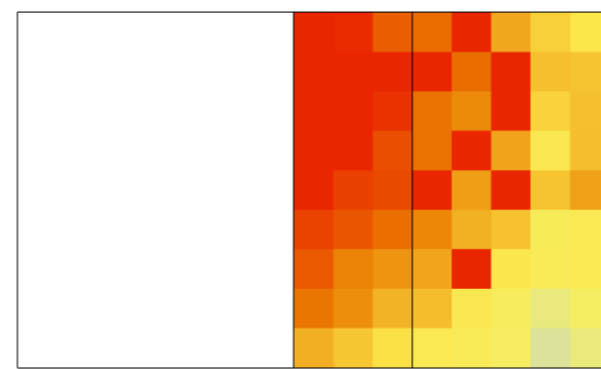
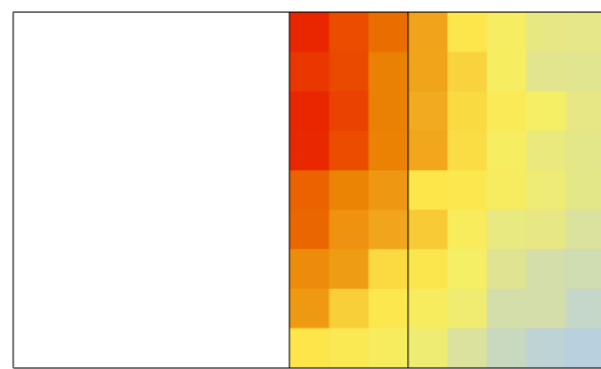
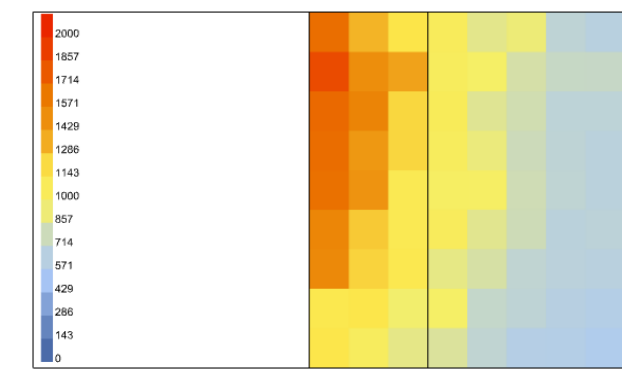
CP4

CP4

CP4

CP4

CP4



147 SCELTA CONFIGURAZIONE
21 GIUGNO



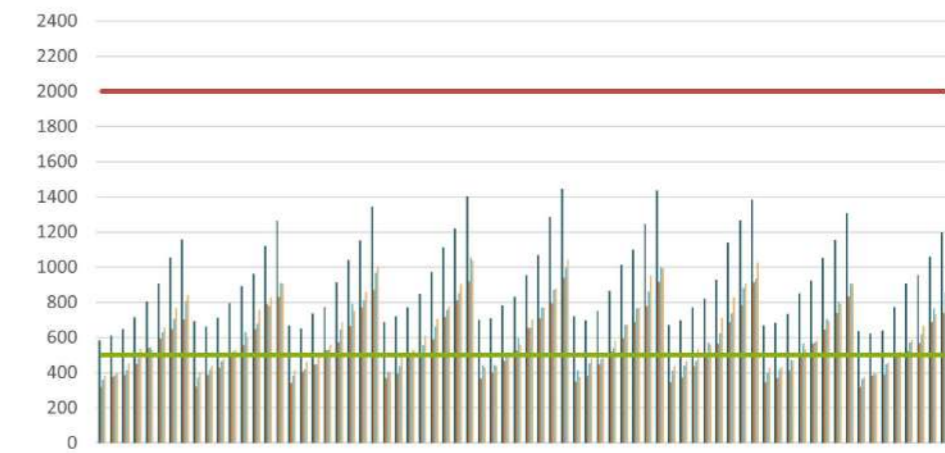
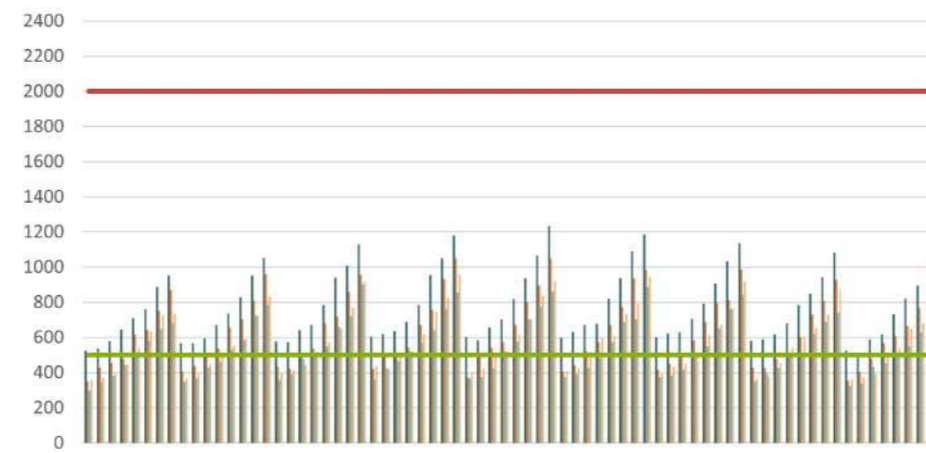
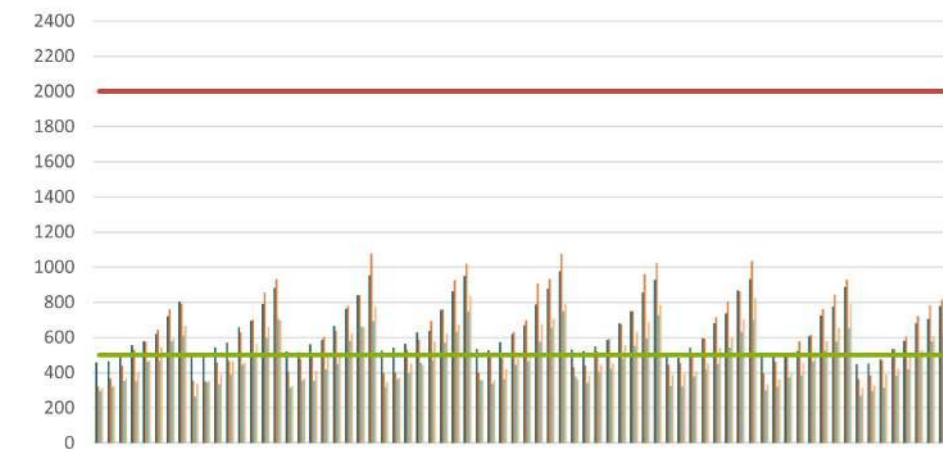
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

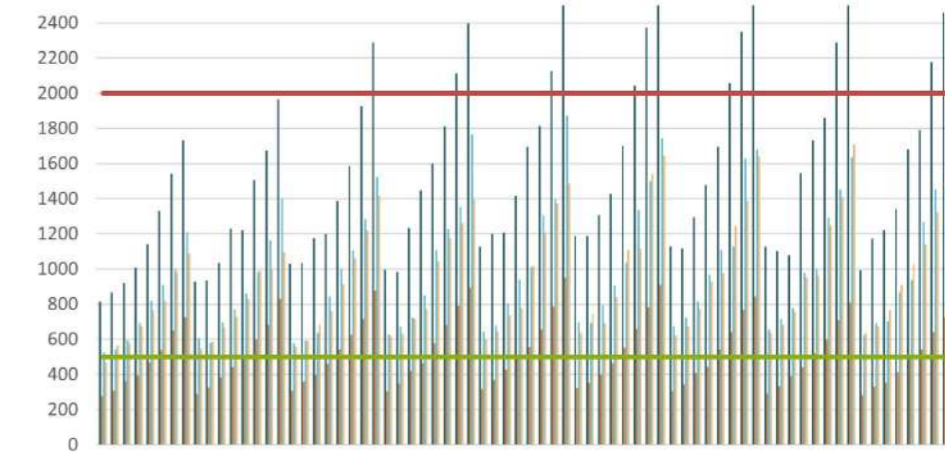
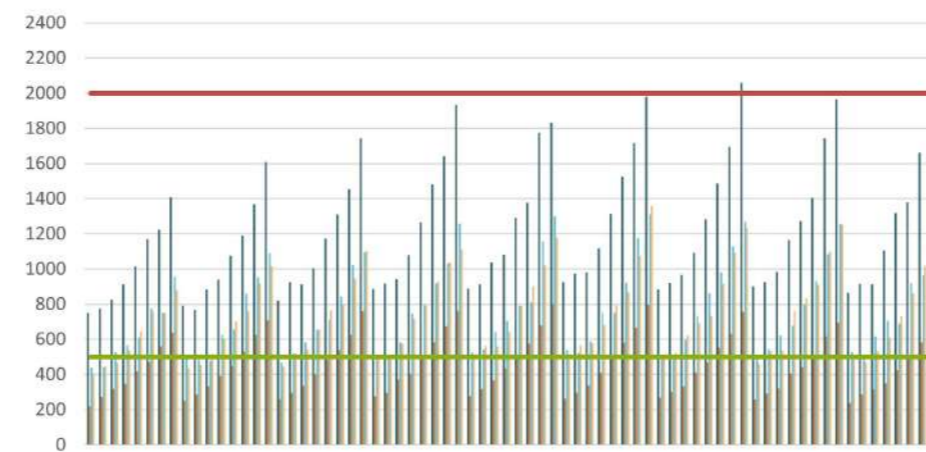
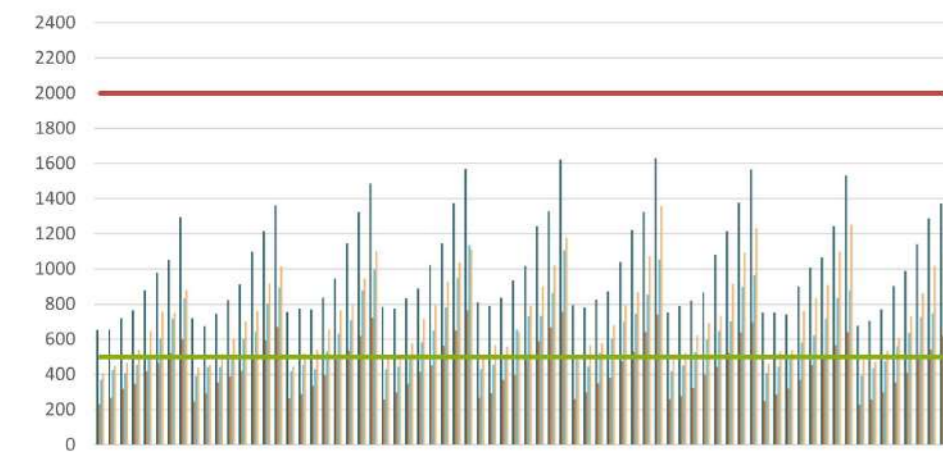
11.00



12.00

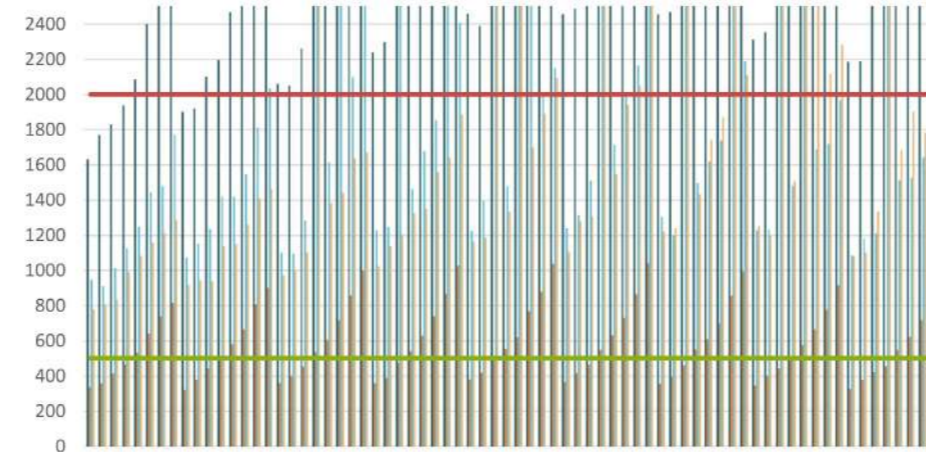
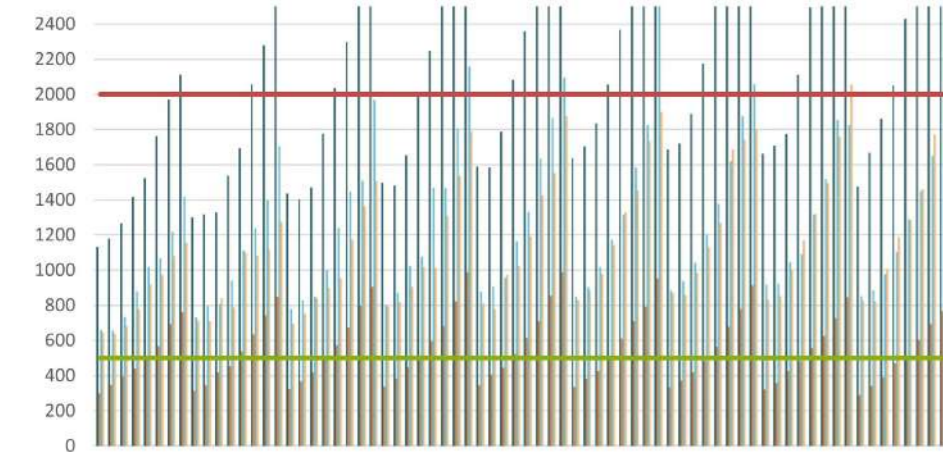
13.00

14.00



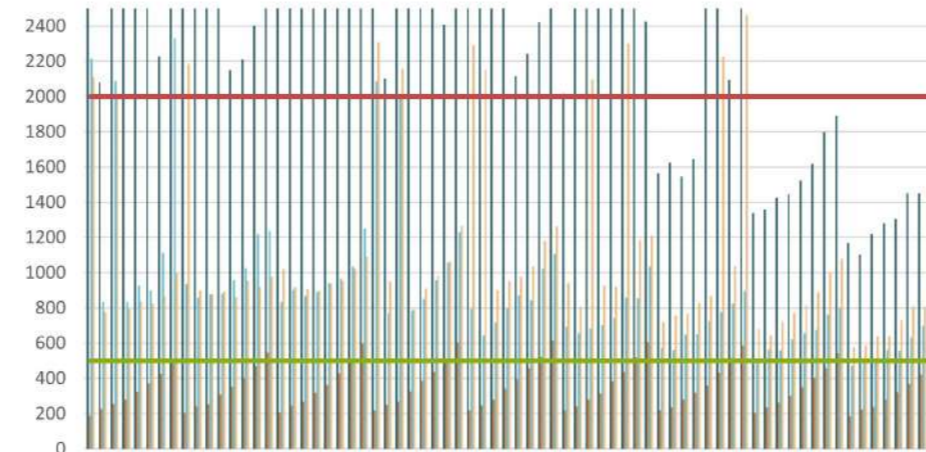
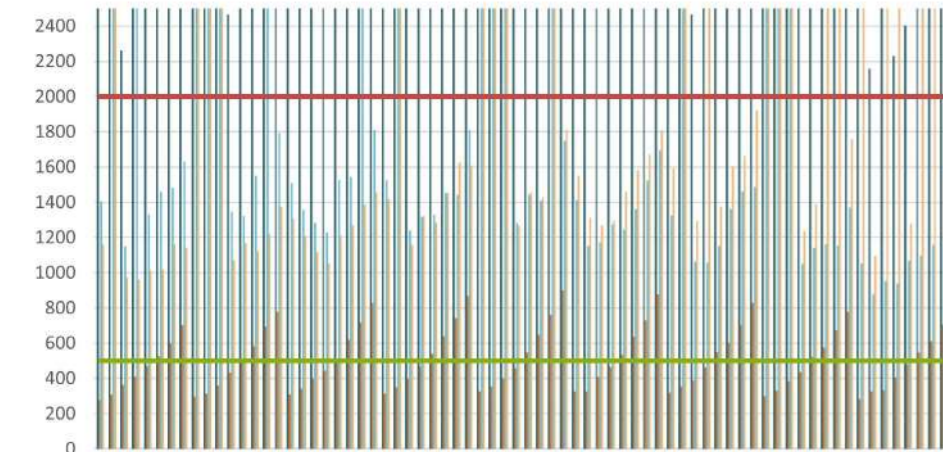
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

148 CONFRONTO RISULTATI
21 GIUGNO



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

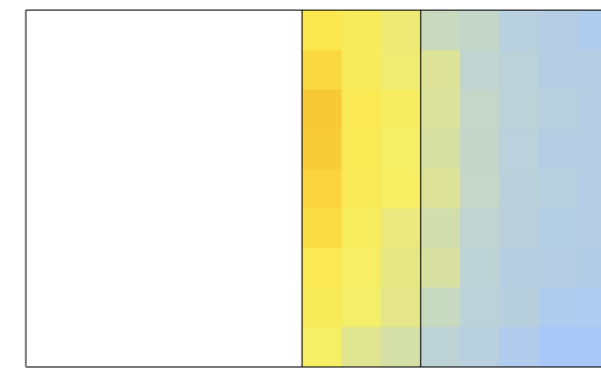
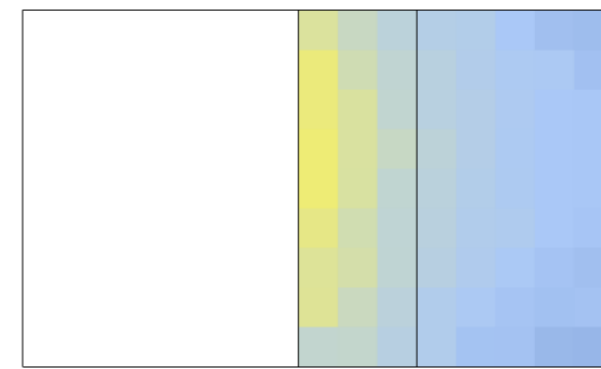
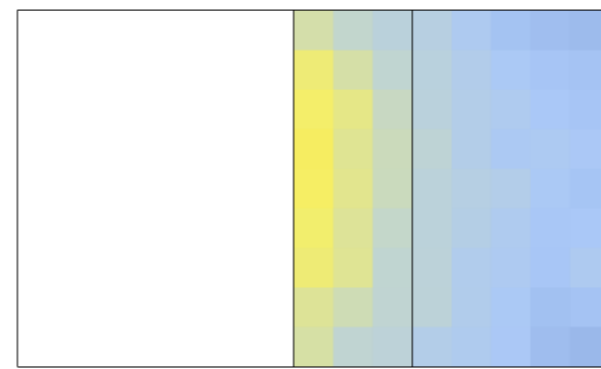
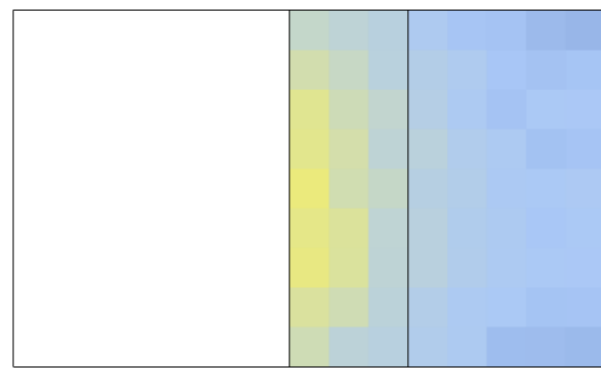
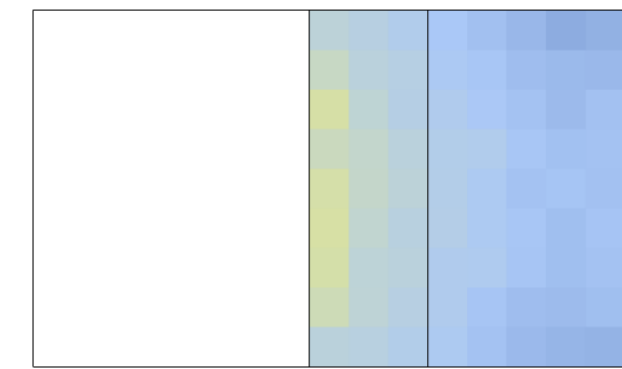
CP1

CP1

CP1

CP1

CP1



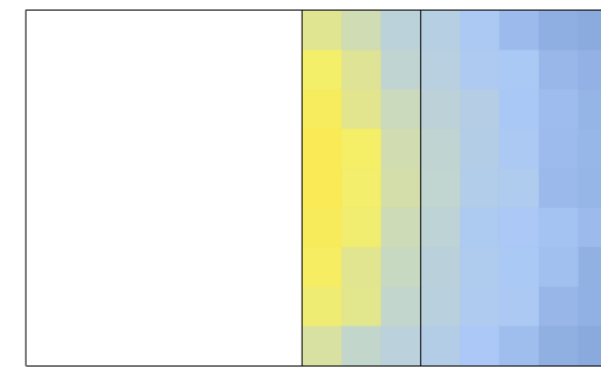
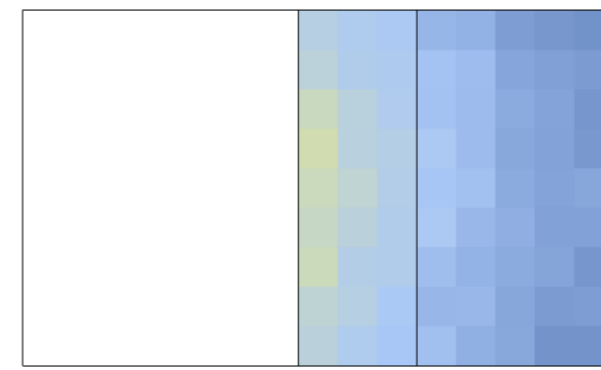
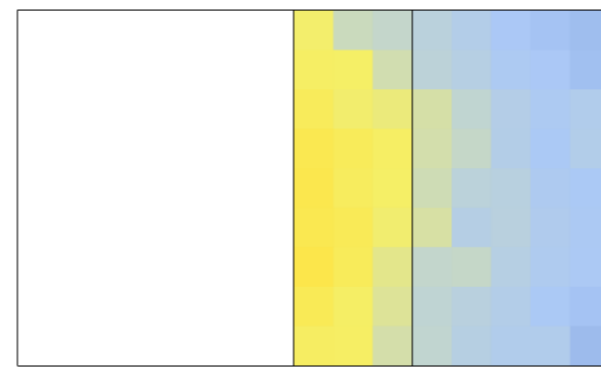
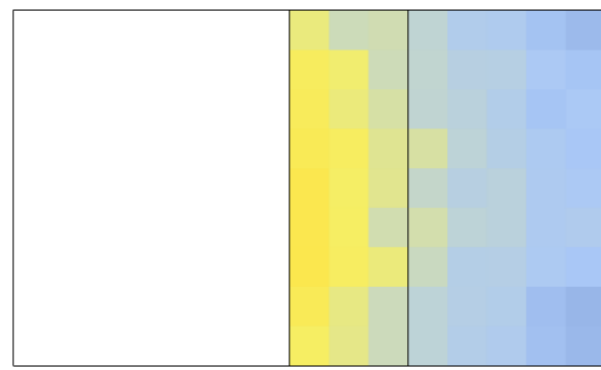
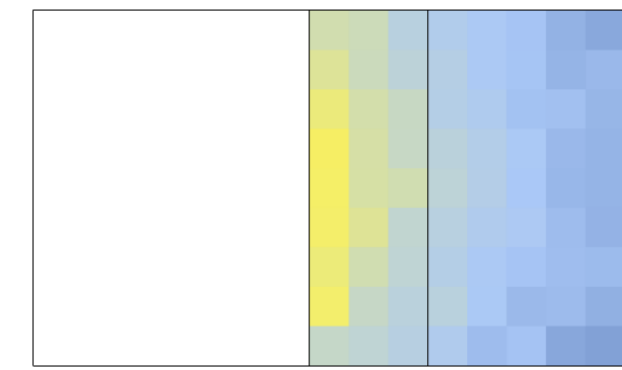
CP2

CP2

CP2

CP2

CP2



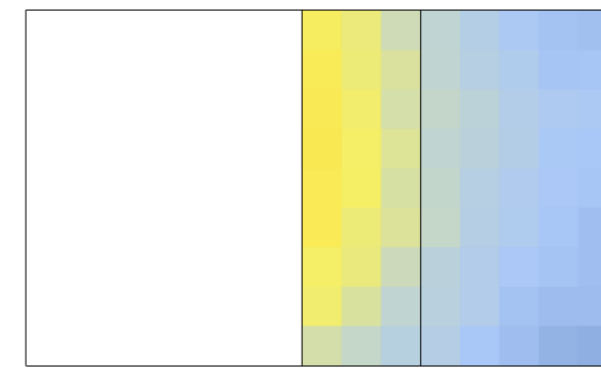
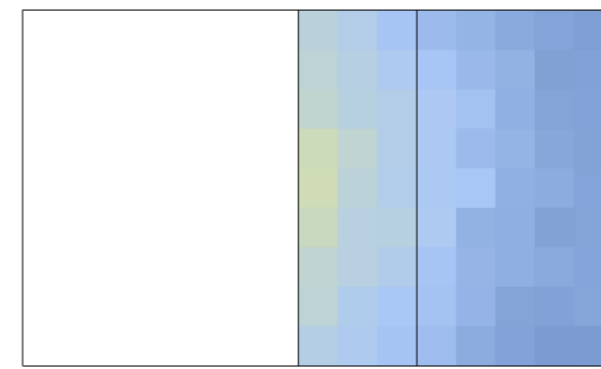
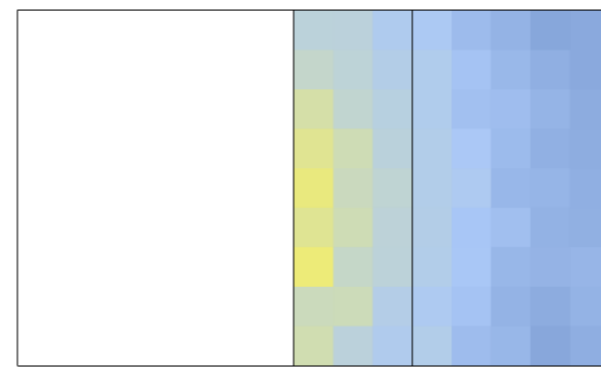
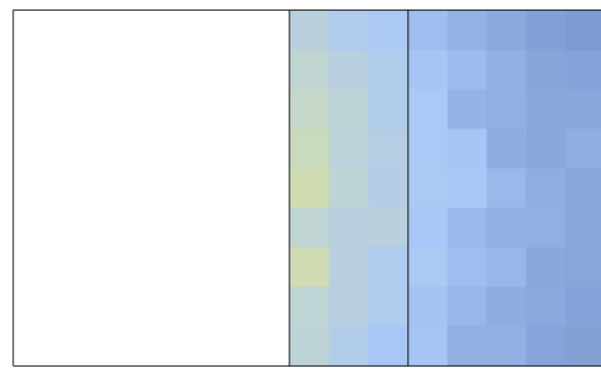
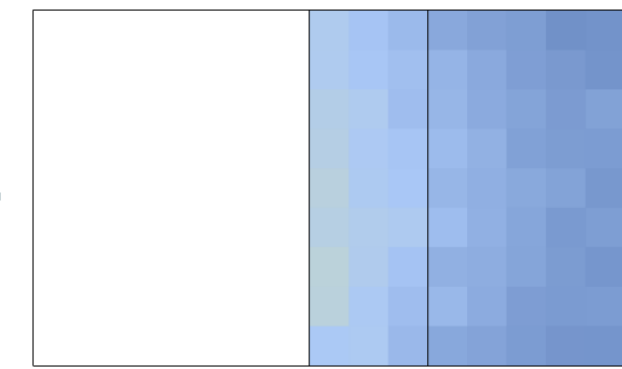
CP3

CP3

CP3

CP3

CP3



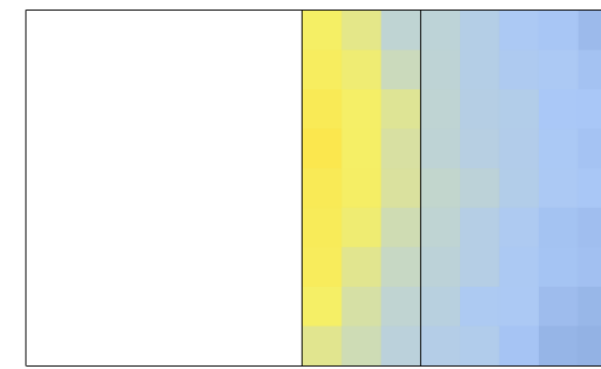
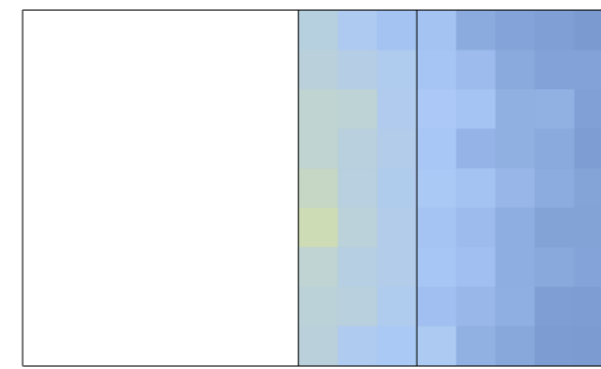
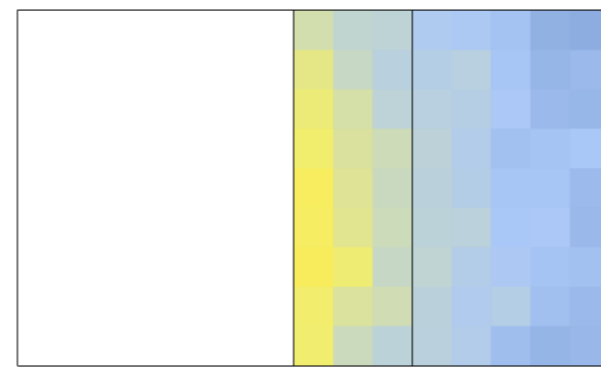
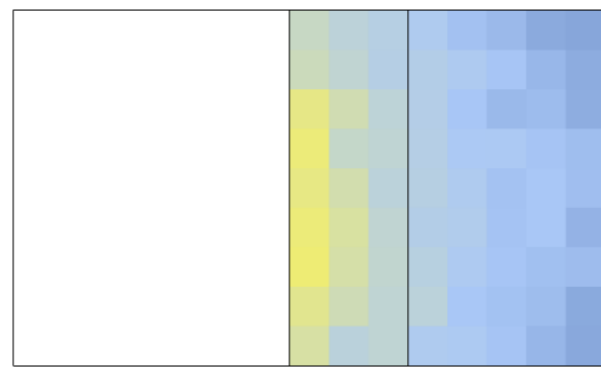
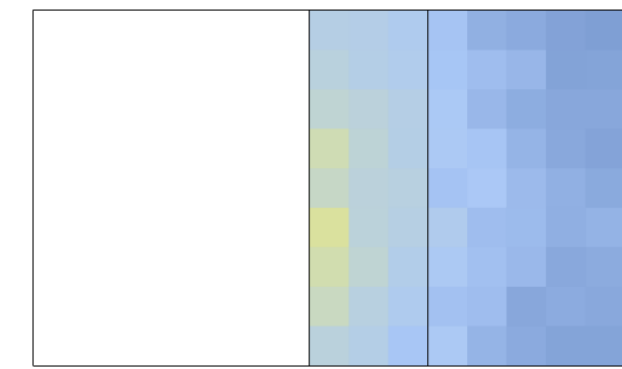
CP4

CP4

CP4

CP4

CP4



149 SCELTA CONFIGURAZIONE
23 SETTEMBRE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

14.00

15.00

16.00

17.00

18.00

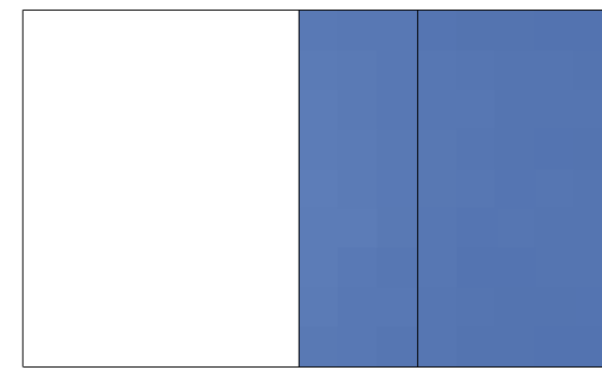
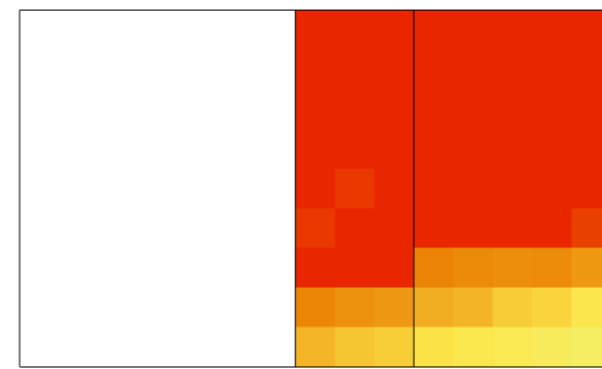
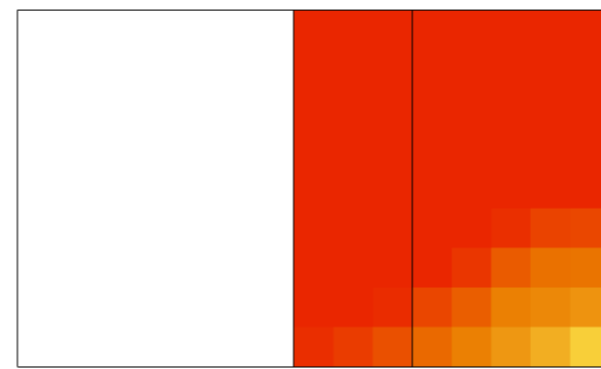
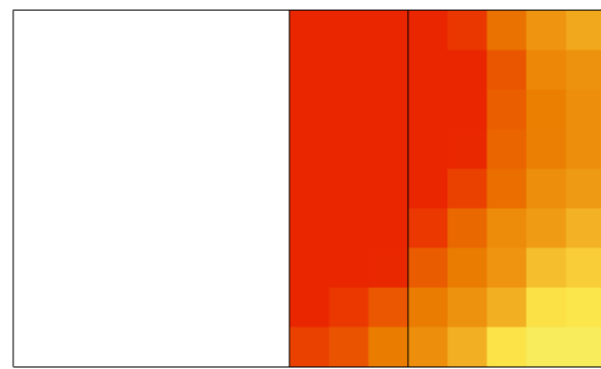
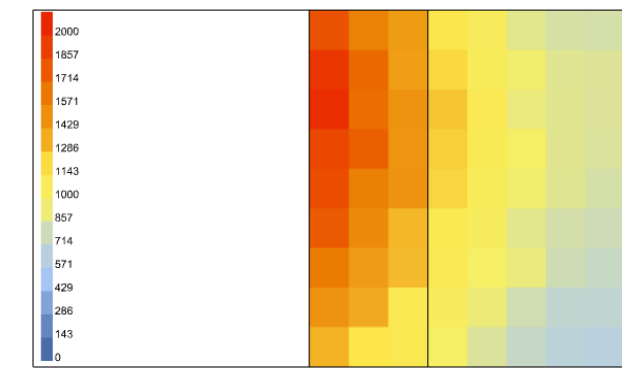
CP1

CP1

CP1

CP1

CP1



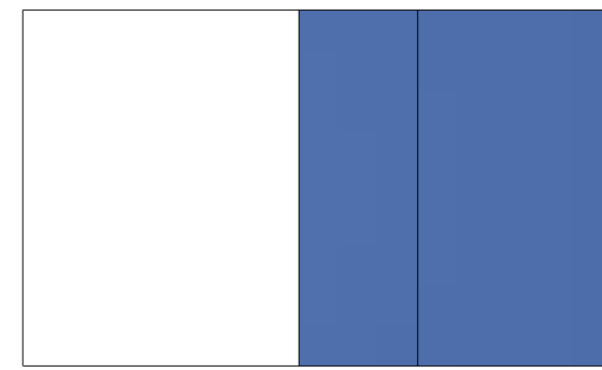
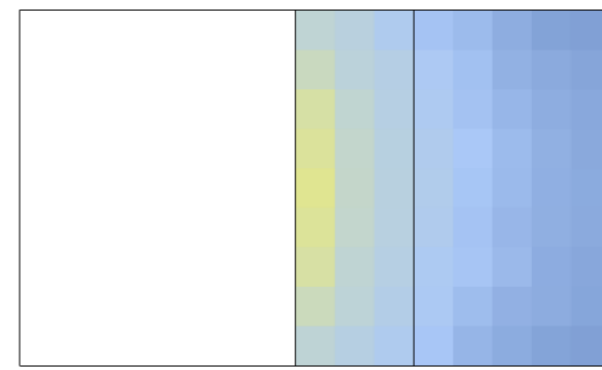
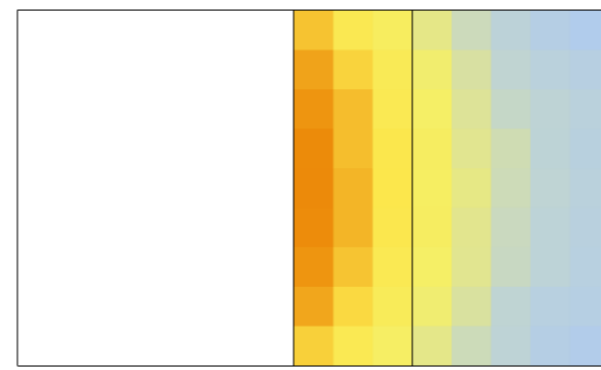
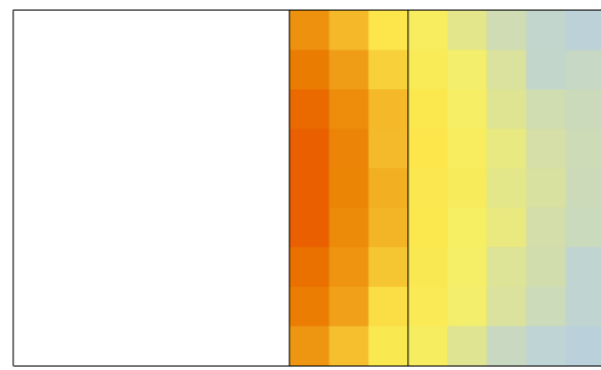
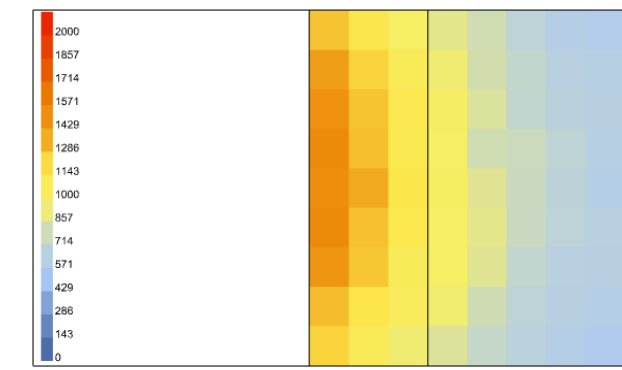
CP2

CP2

CP2

CP2

CP2



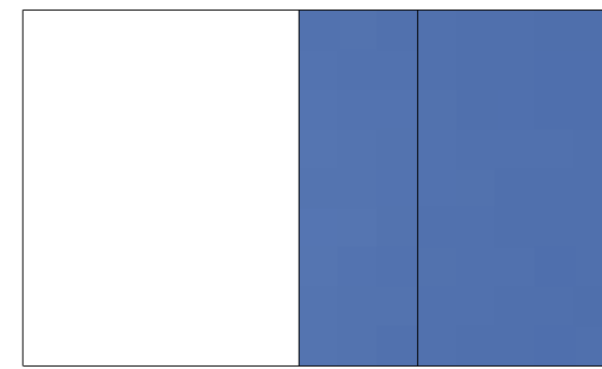
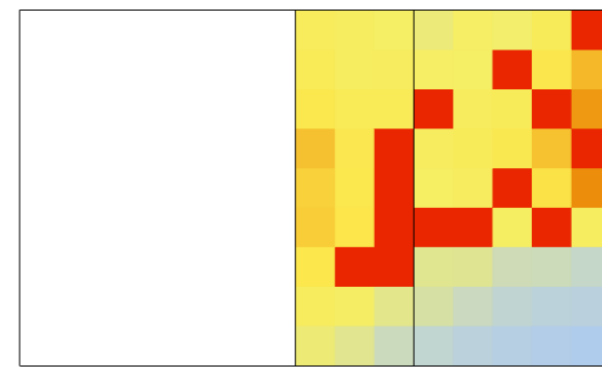
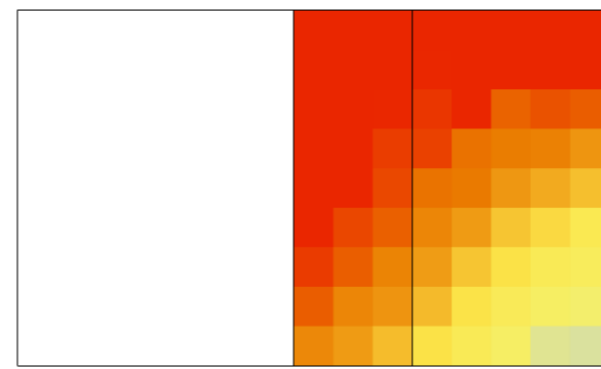
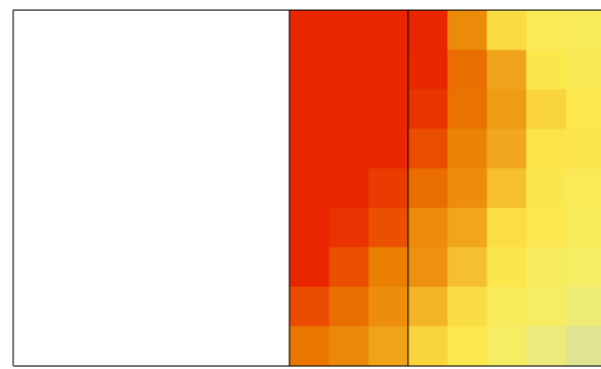
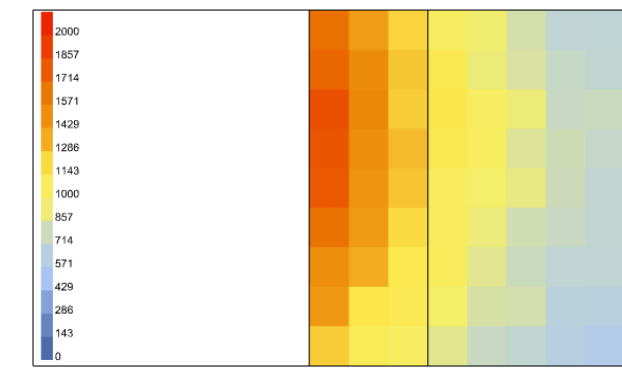
CP3

CP3

CP3

CP3

CP3



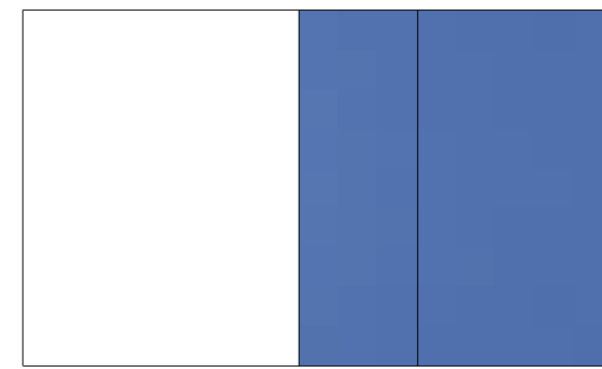
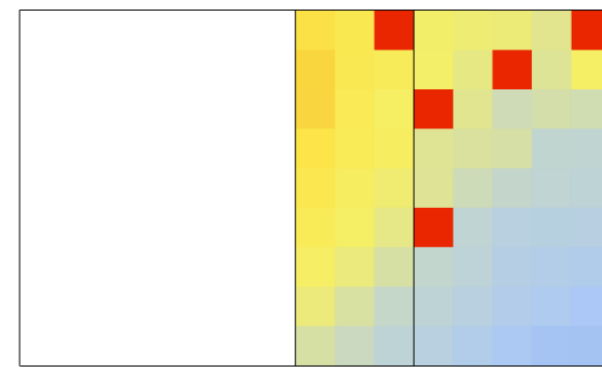
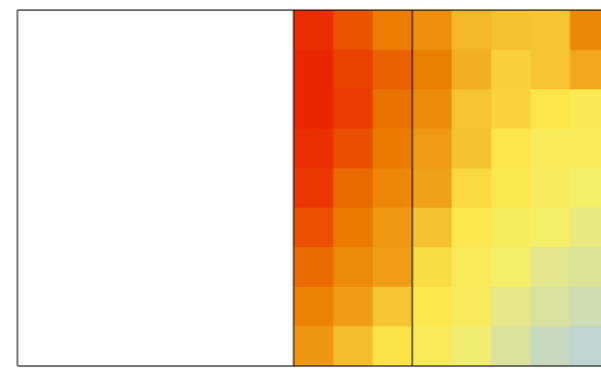
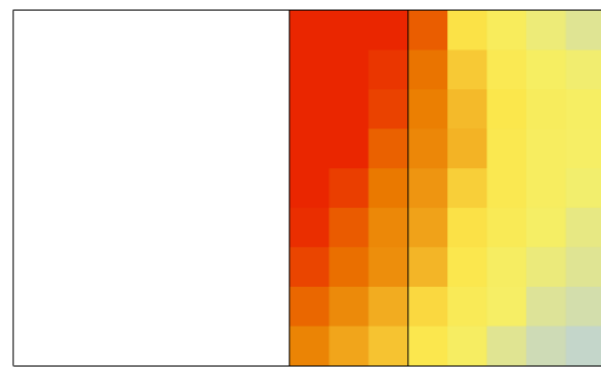
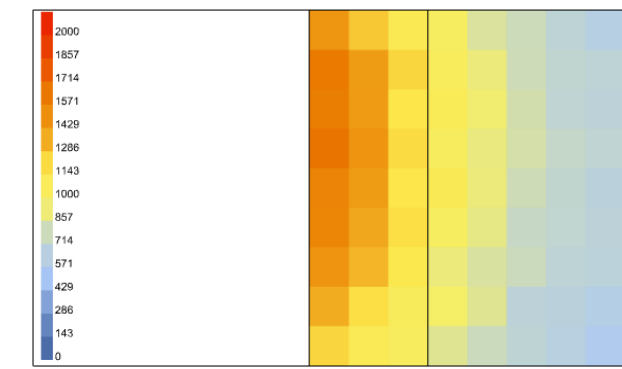
CP4

CP4

CP4

CP4

CP4



150 SCELTA CONFIGURAZIONE
23 SETTEMBRE

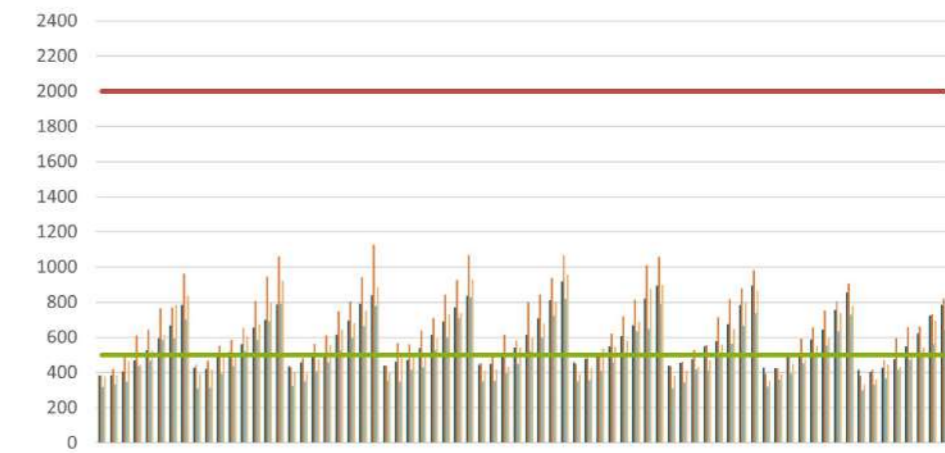
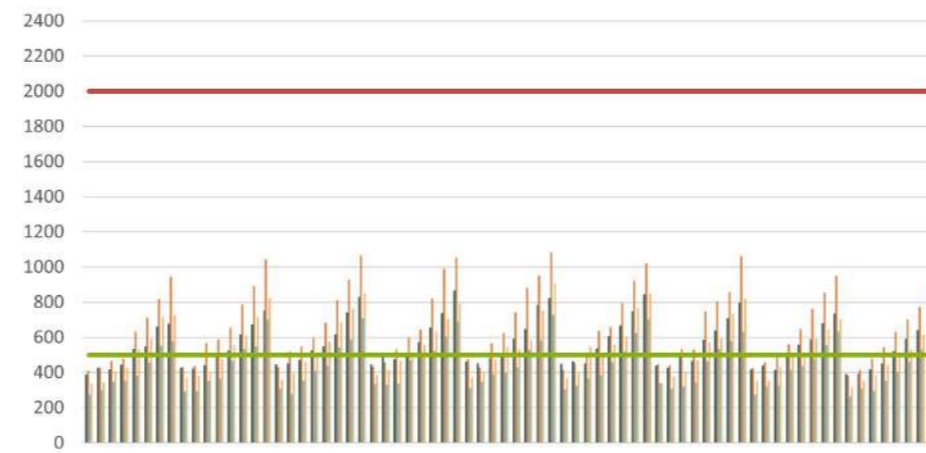
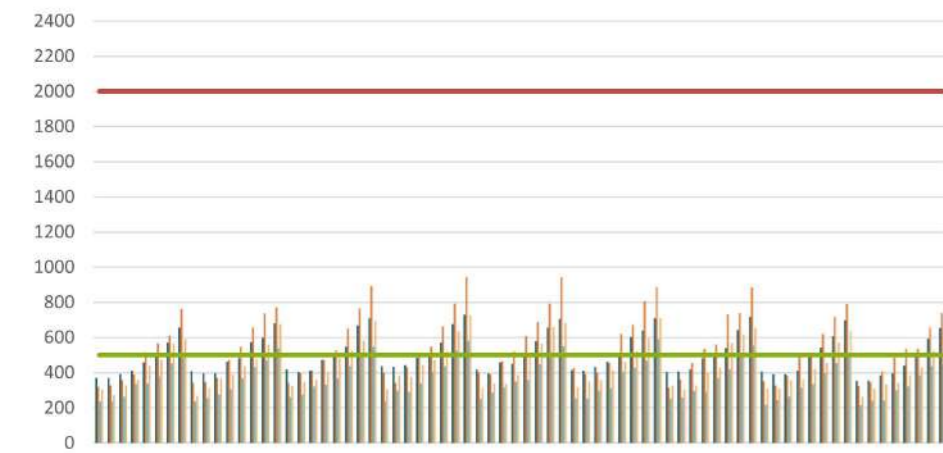


Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

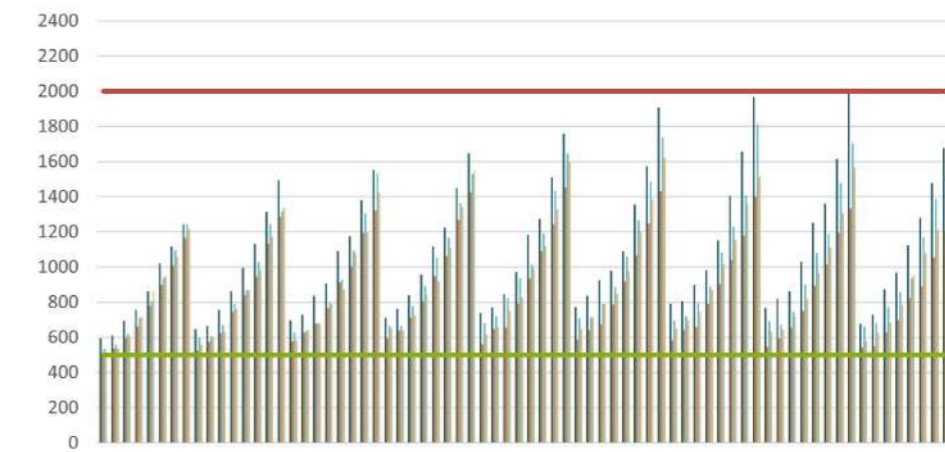
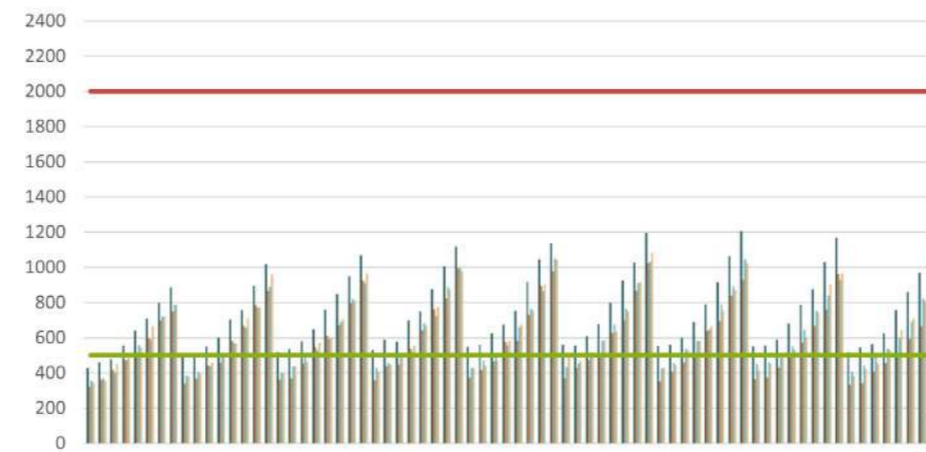
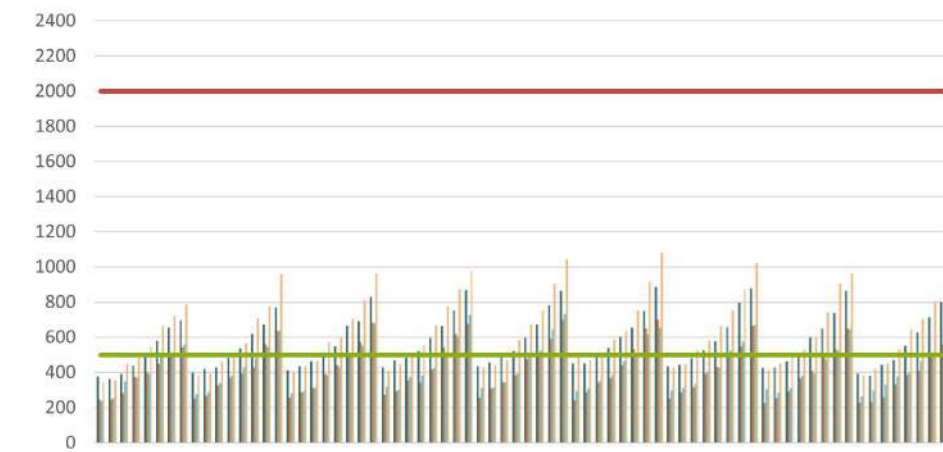
11.00



12.00

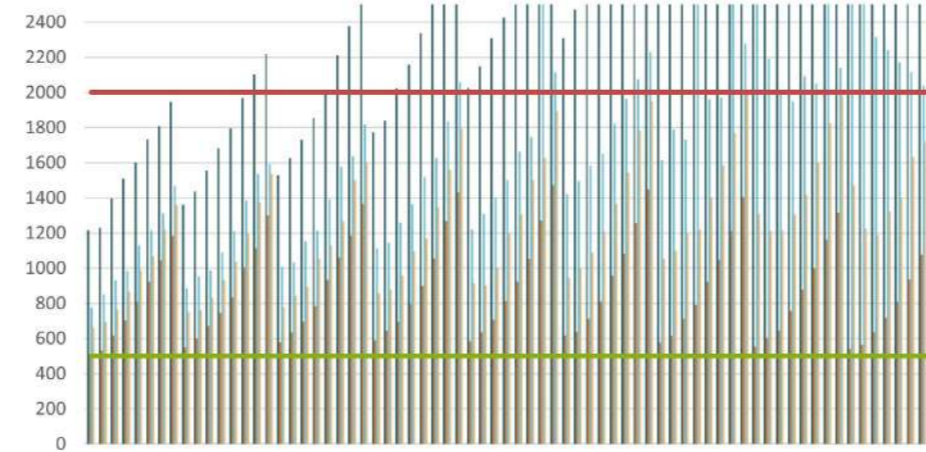
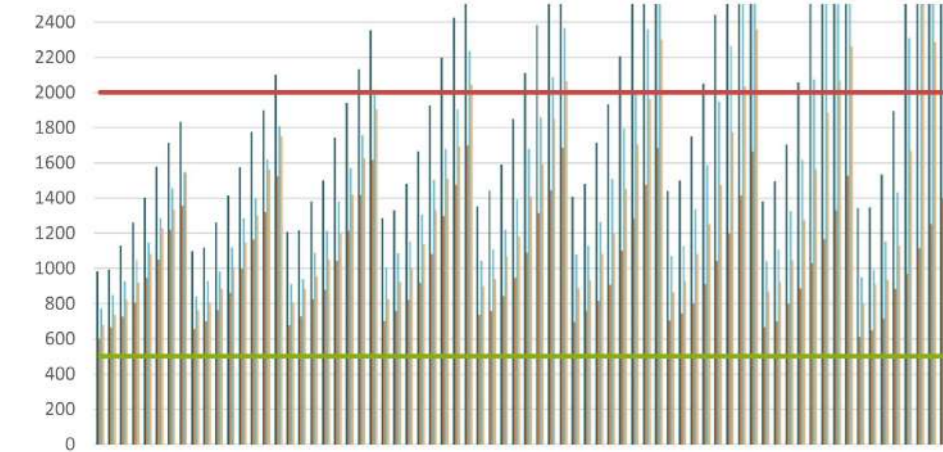
13.00

14.00



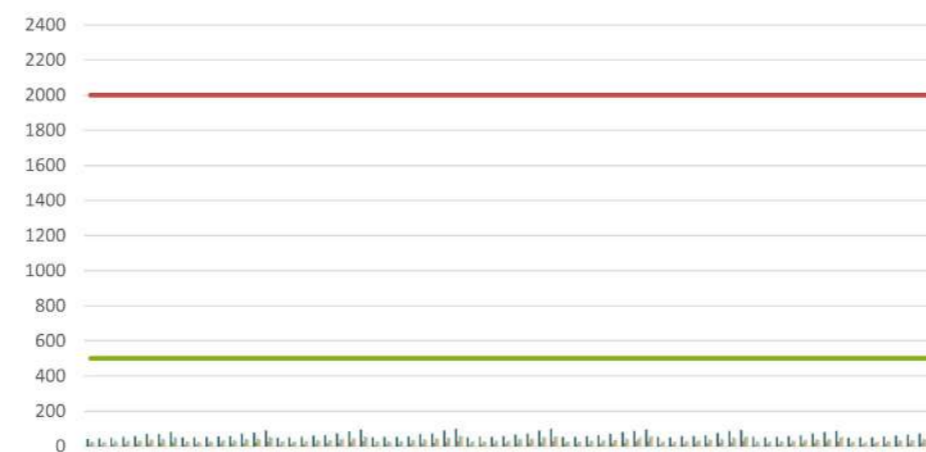
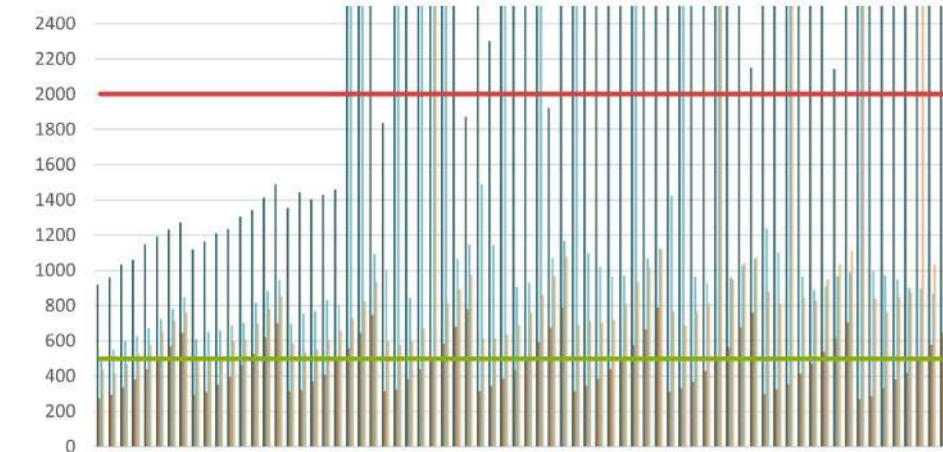
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

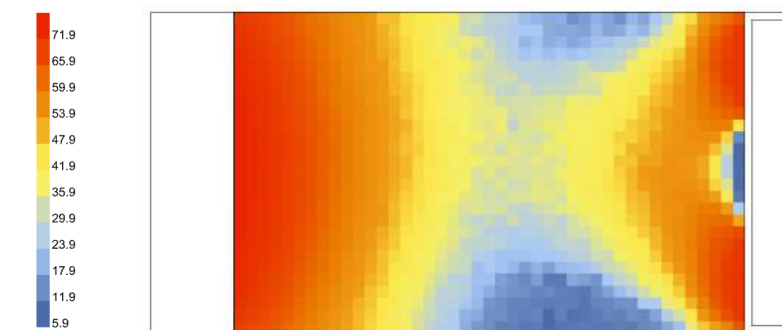
151 CONFRONTO RISULTATI
23 SETTEMBRE



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

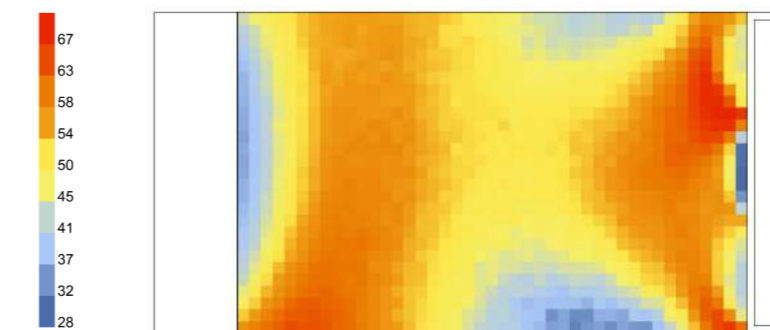
1. Daylight Autonomy (DA) - [%]



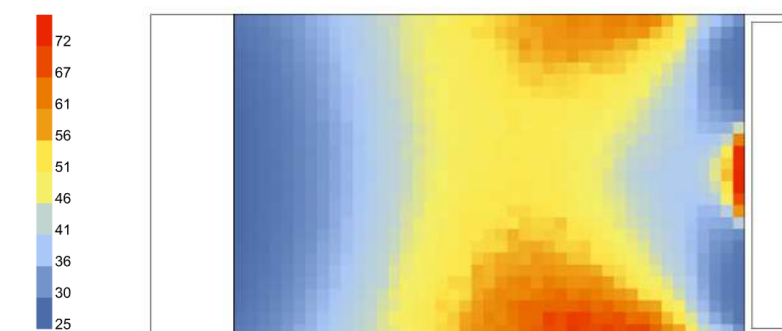
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



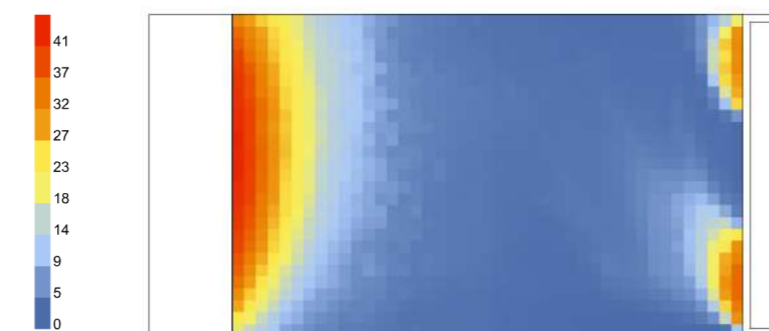
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

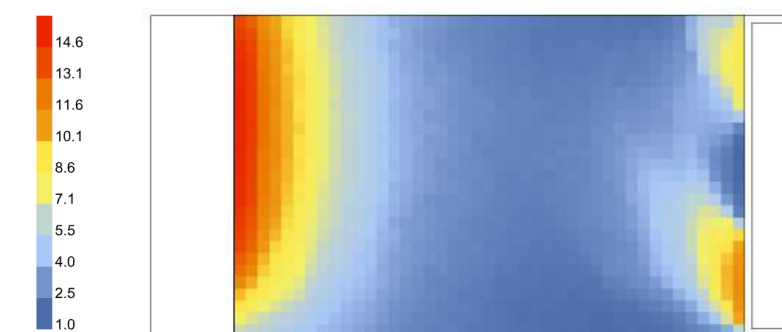


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

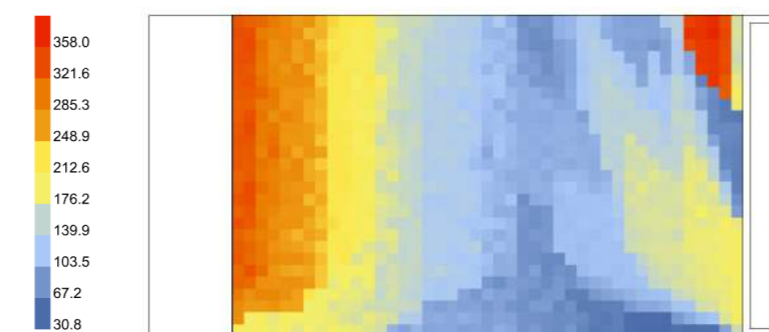


Annual Irradiance

1. Average Irradiance - [W/m²]

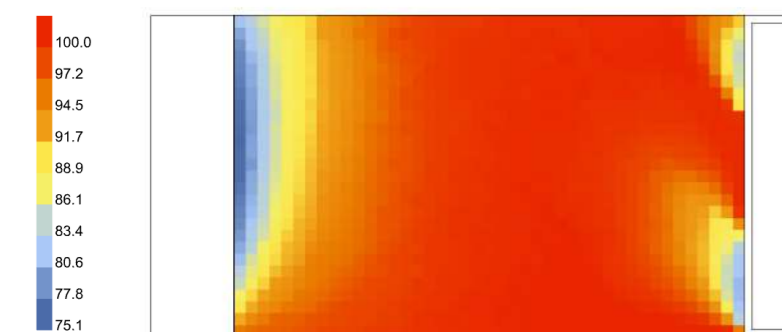


2. Peak Irradiance - [W/m²]



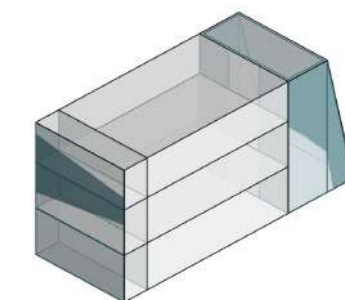
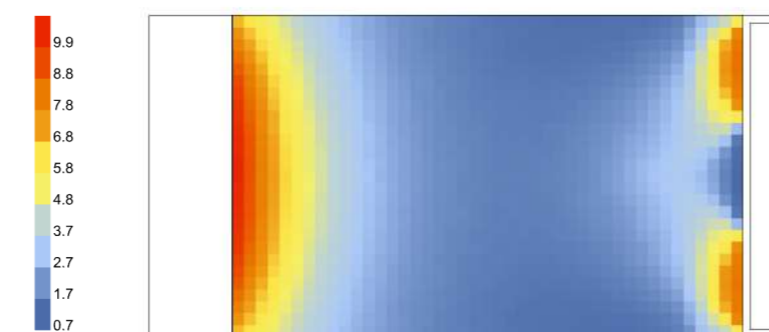
Annual Glare

1. Glare Autonomy (GA) - [%]

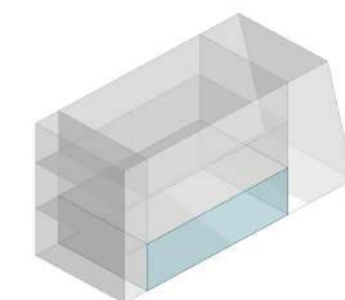


Daylight Factor

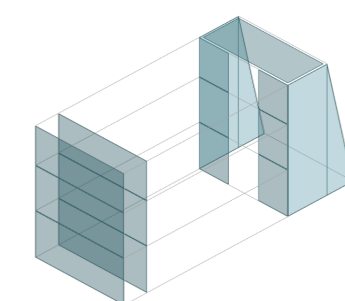
[%]



1. Modello Rhino



2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)

4. Modello HB
Soppalco
Assente

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti

152 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

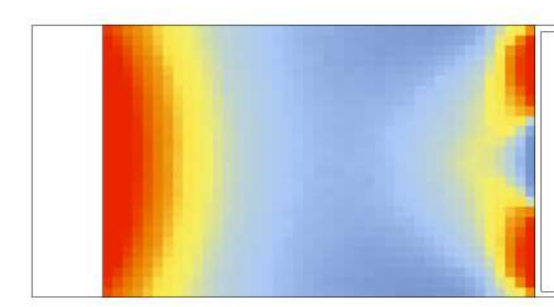
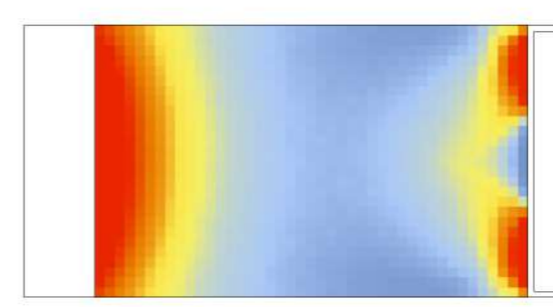
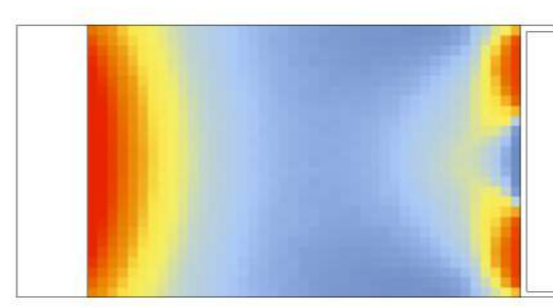
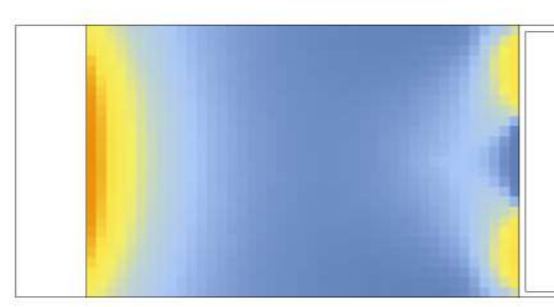
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



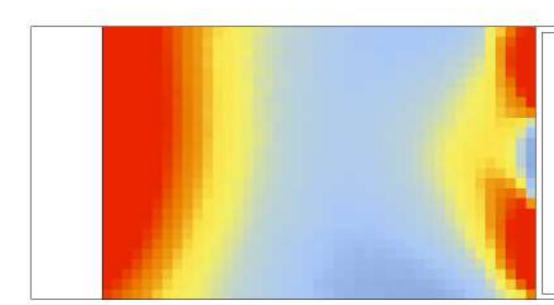
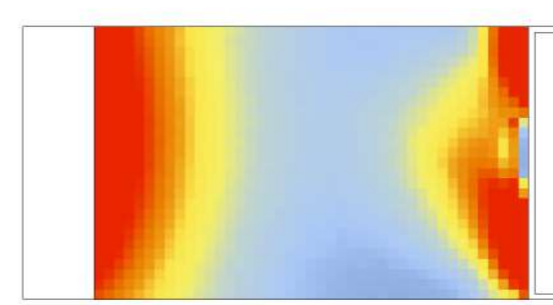
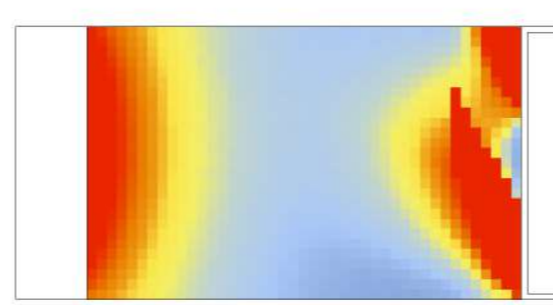
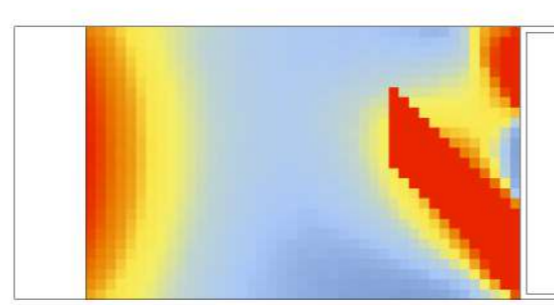
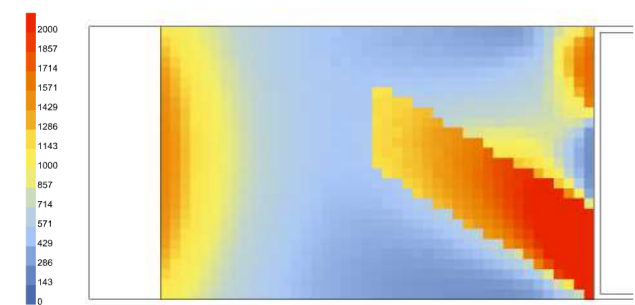
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



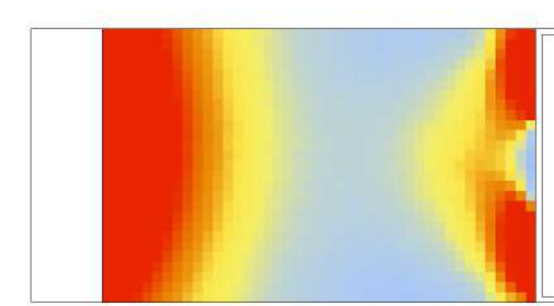
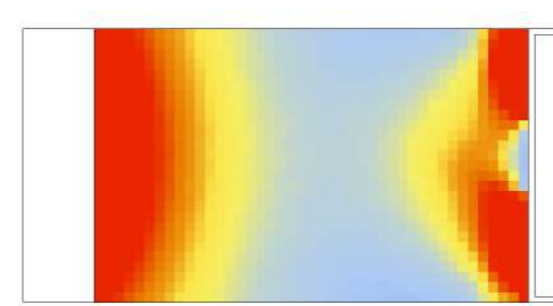
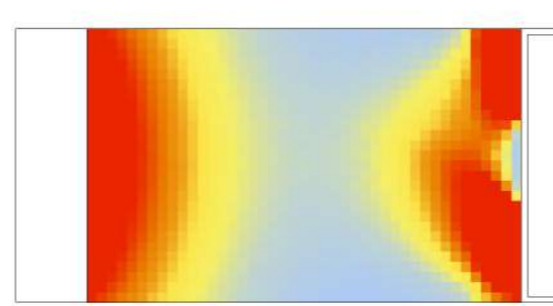
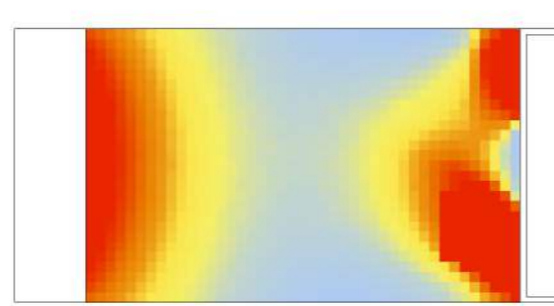
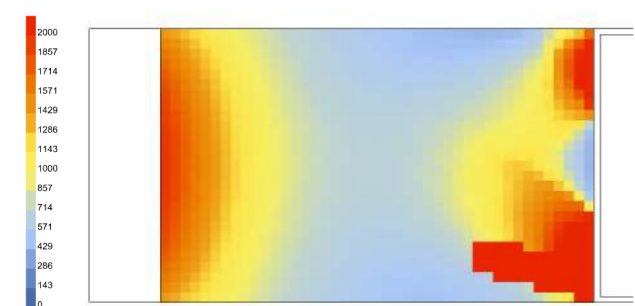
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



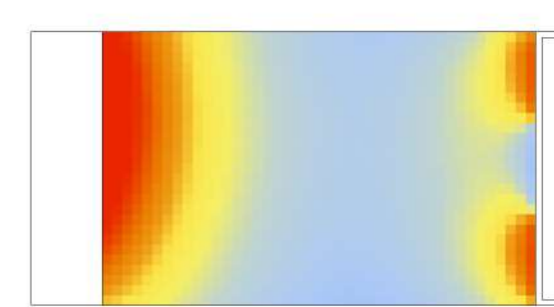
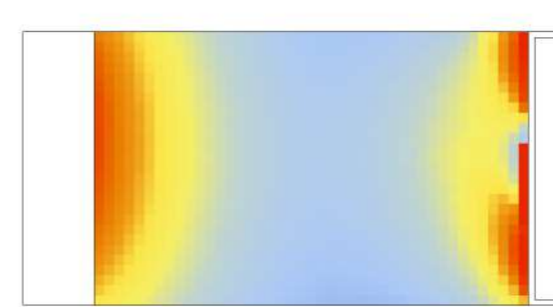
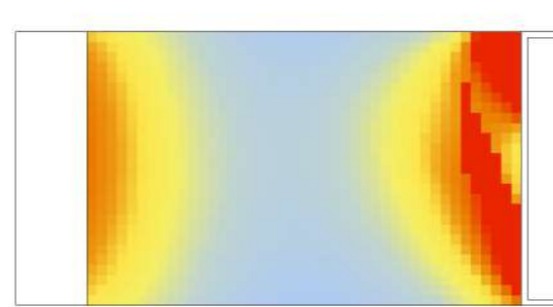
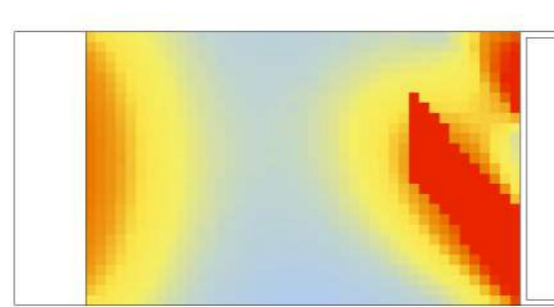
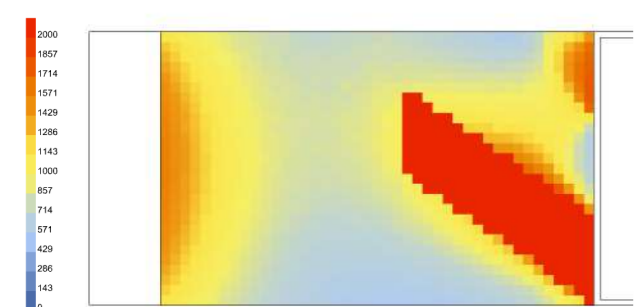
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



153 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

14.00

15.00

16.00

17.00

18.00

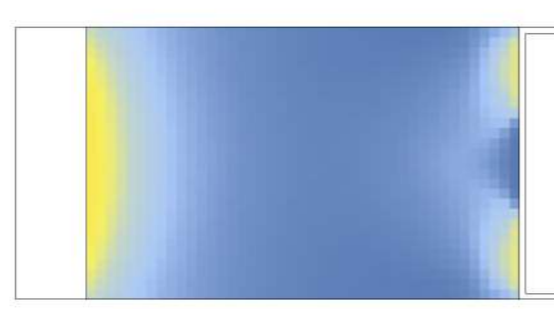
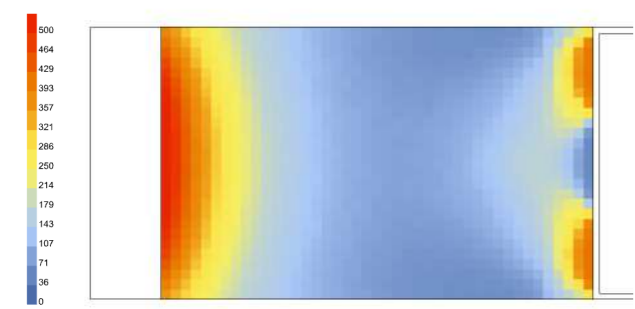
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



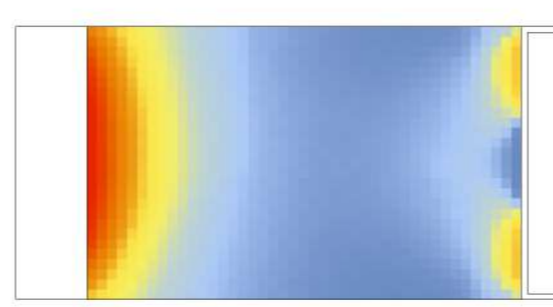
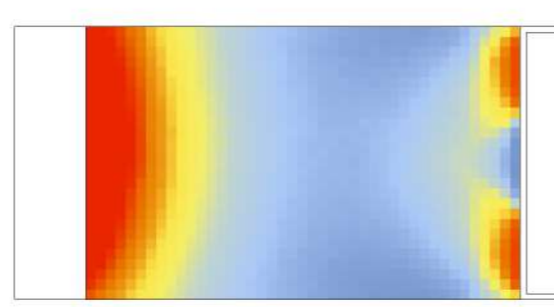
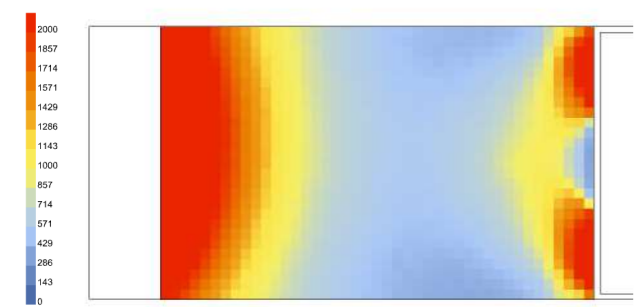
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



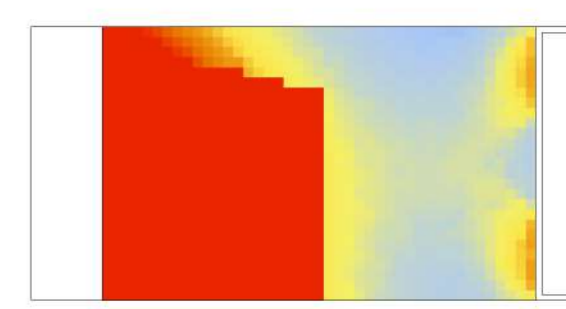
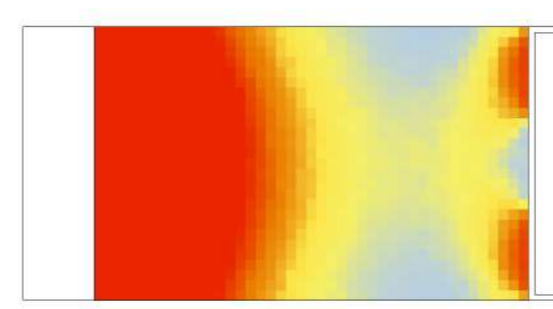
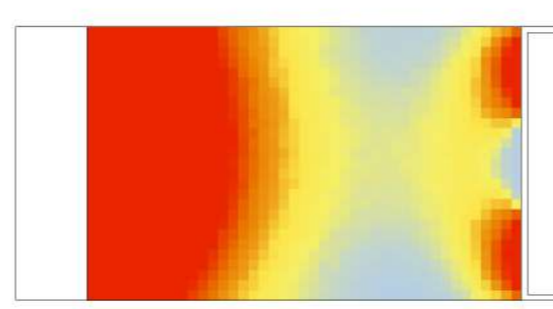
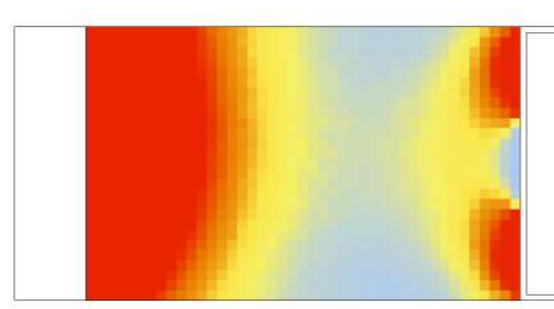
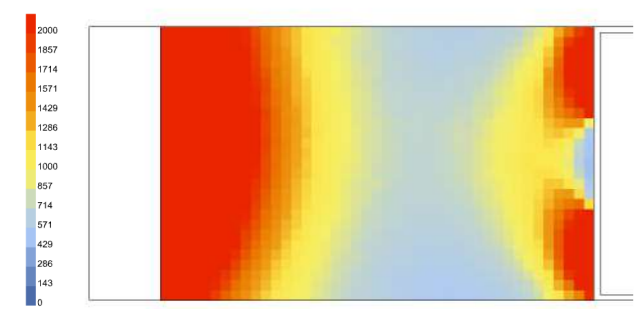
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



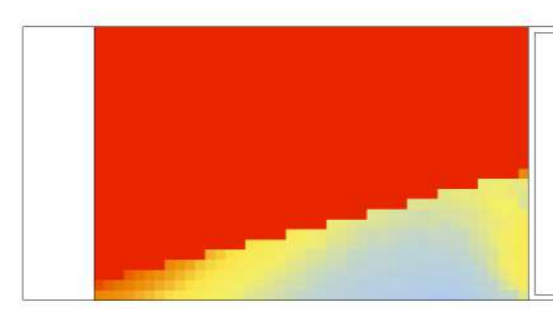
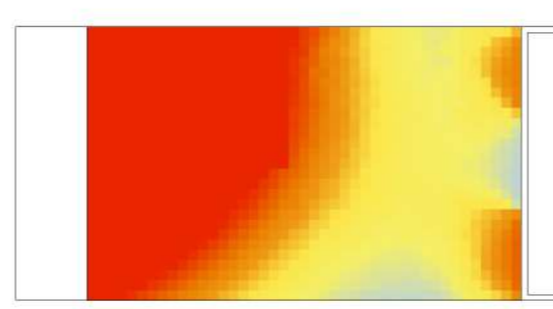
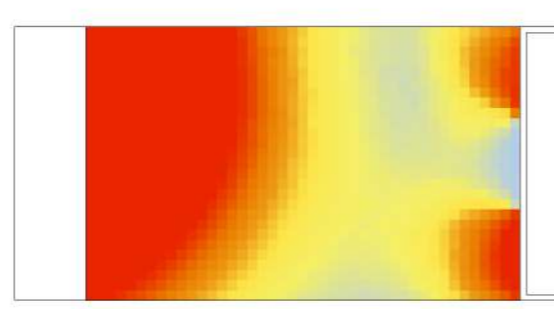
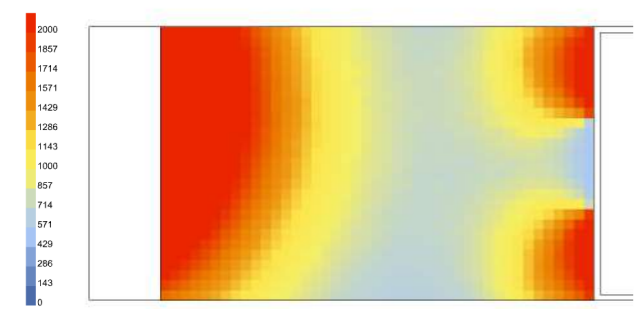
23 Settembre

23 Settembre

23 Settembre

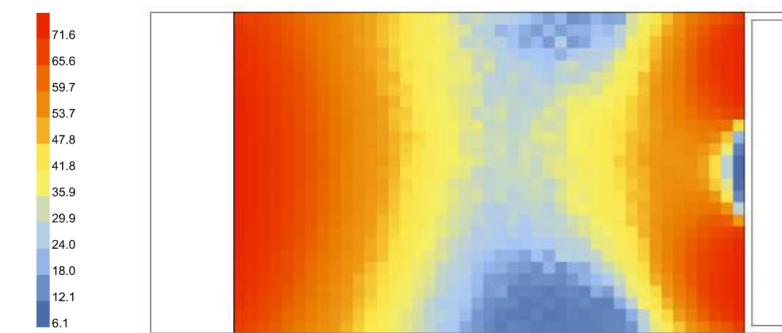
23 Settembre

23 Settembre

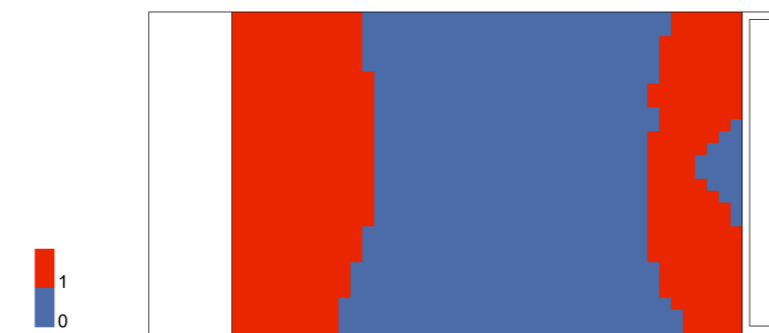


Annual Daylight

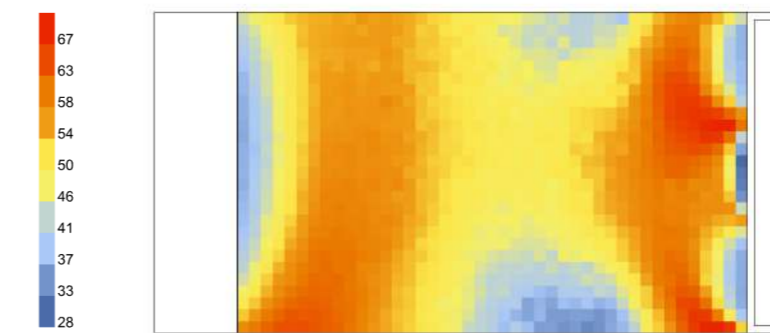
1. Daylight Autonomy (DA) - [%]



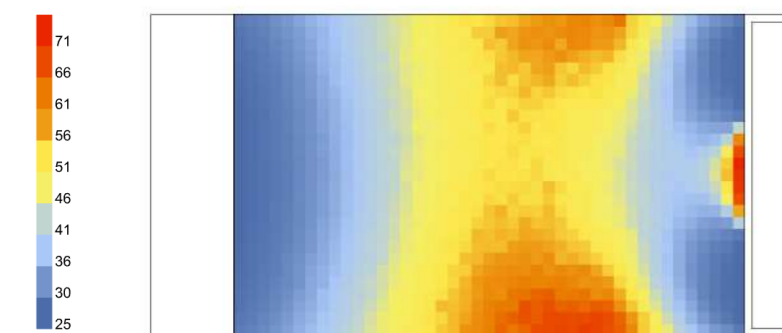
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



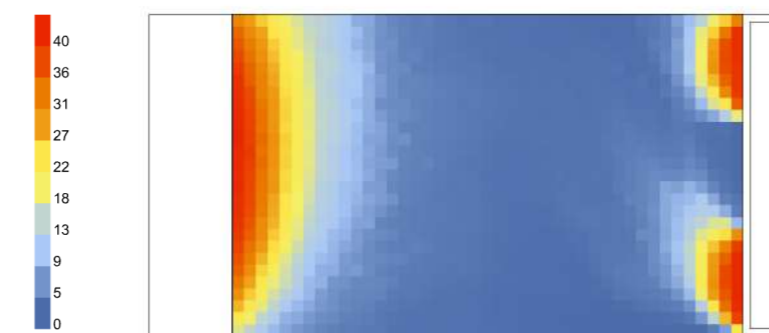
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

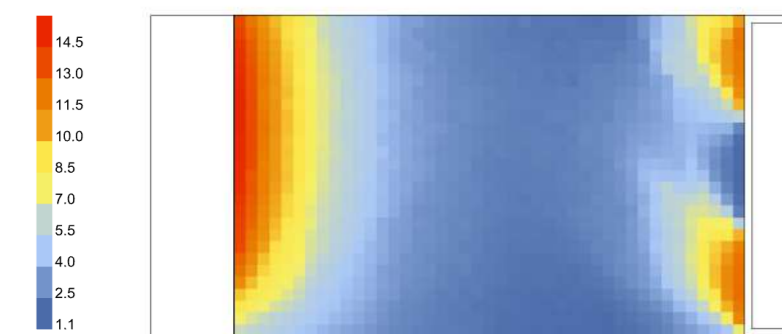


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

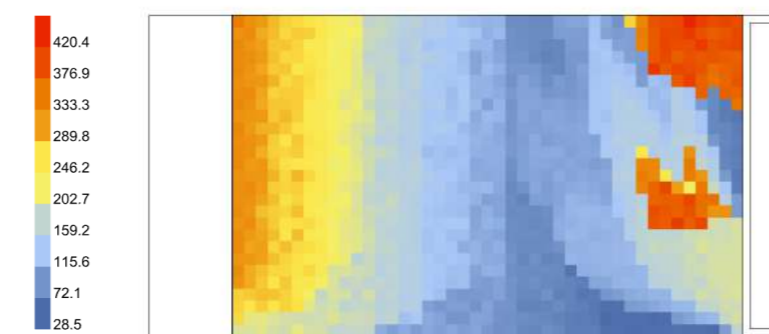


Annual Irradiance

1. Average Irradiance - [W/m²]

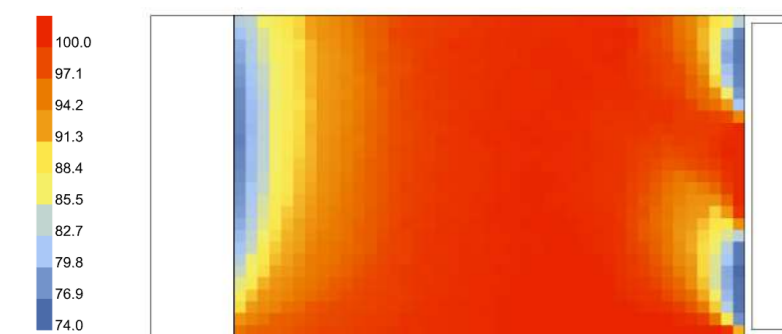


2. Peak Irradiance - [W/m²]



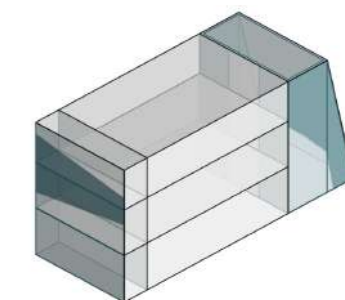
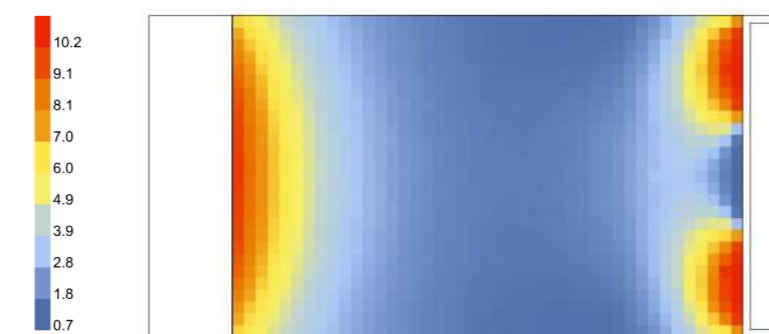
Annual Glare

1. Glare Autonomy (GA) - [%]

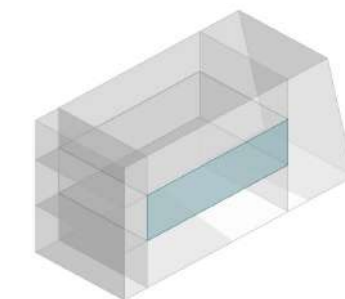


Daylight Factor

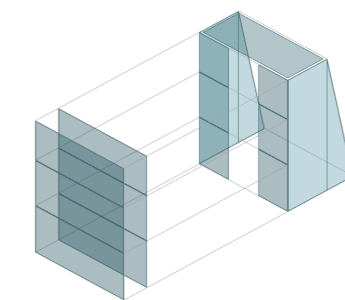
[%]



1. Modello Rhino



2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)

4. Modello HB
Soppalco
Assente

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti

155 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

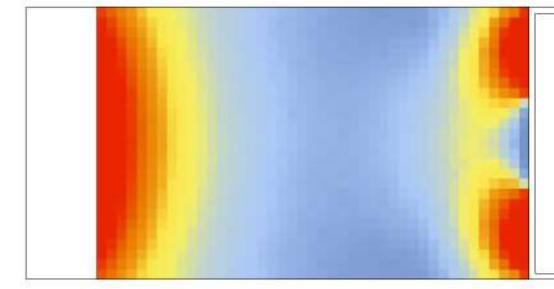
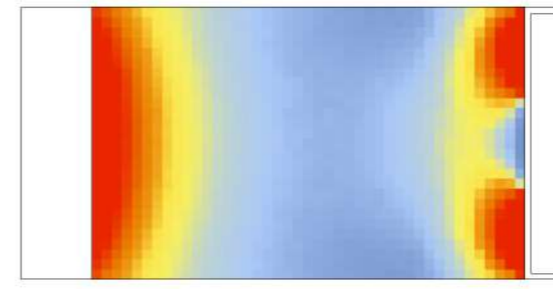
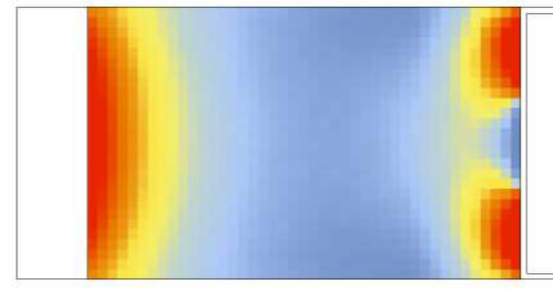
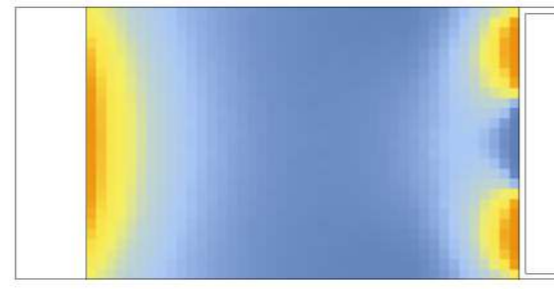
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



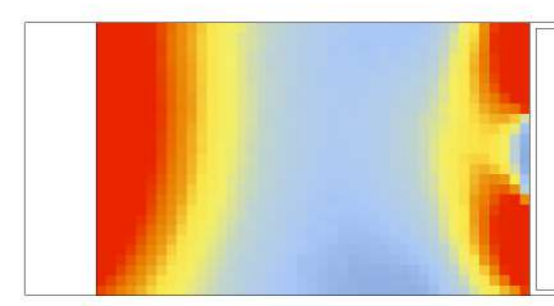
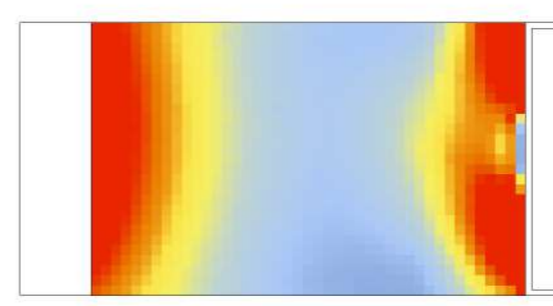
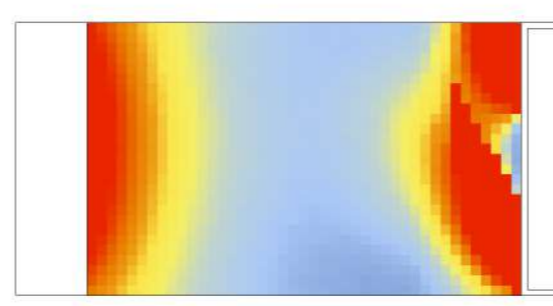
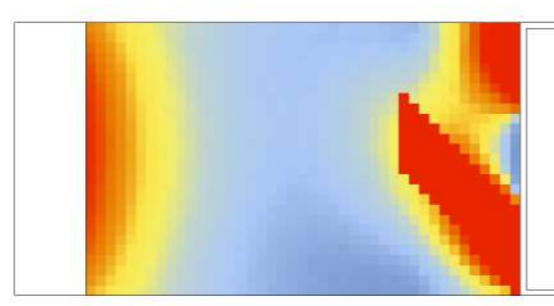
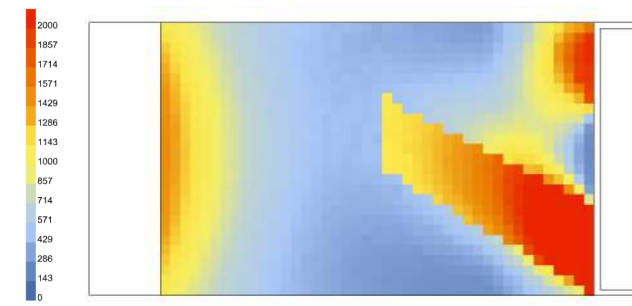
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



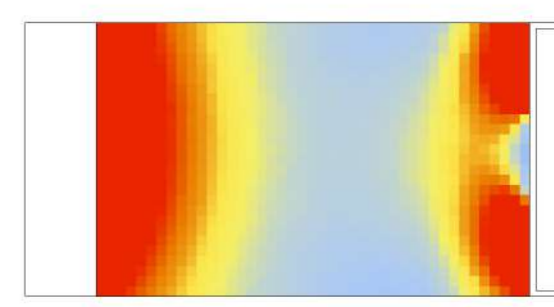
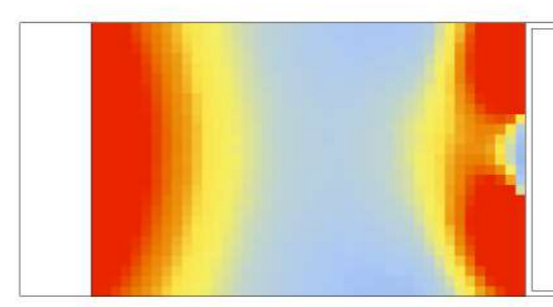
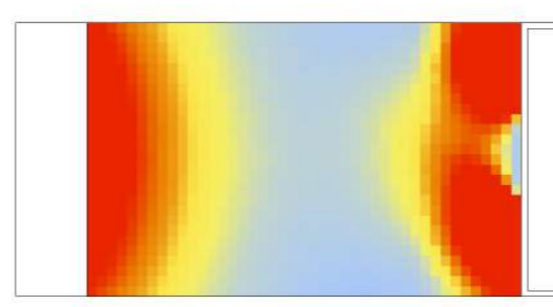
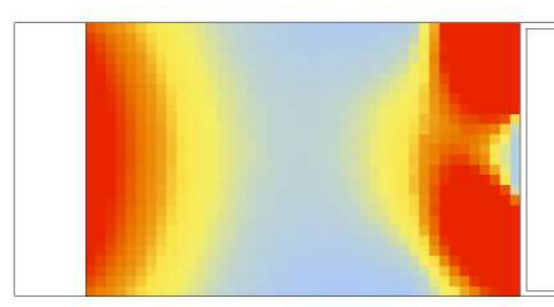
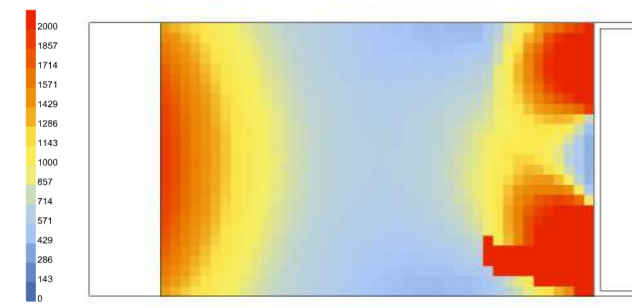
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



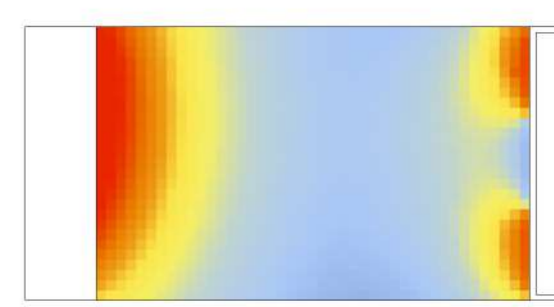
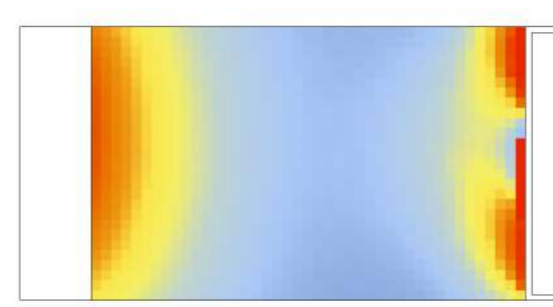
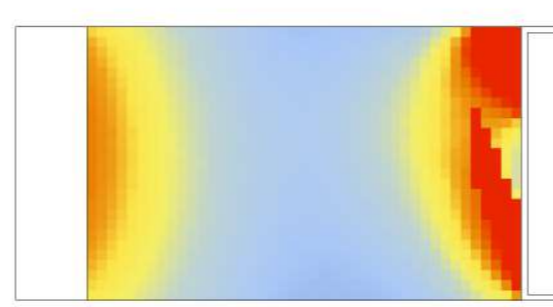
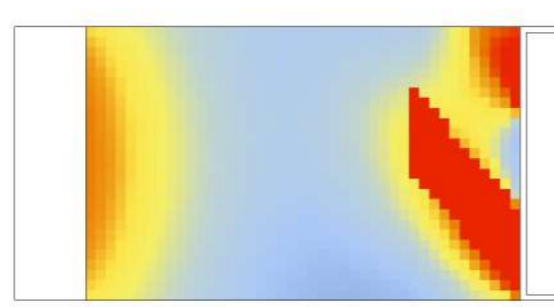
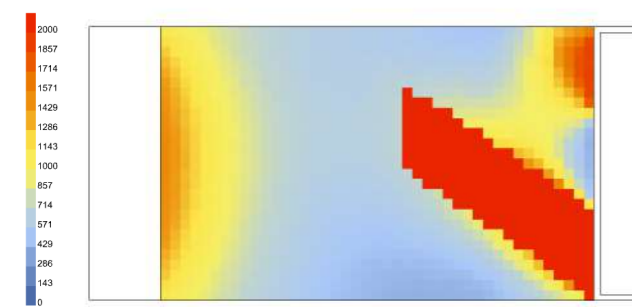
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



156 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

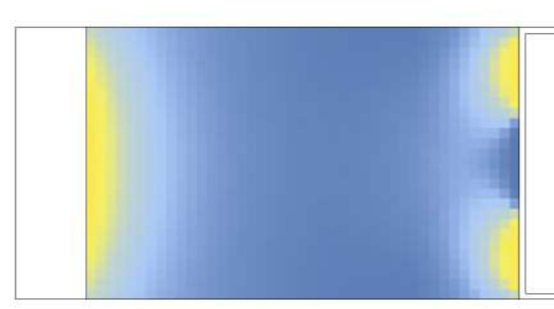
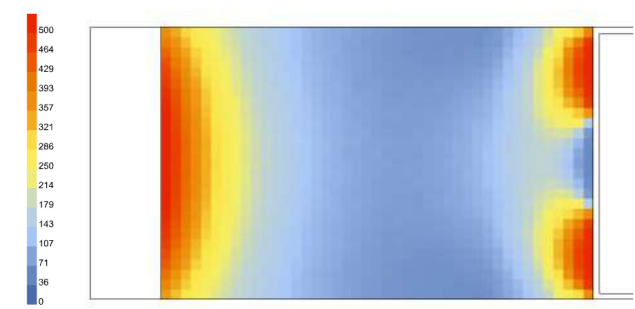
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



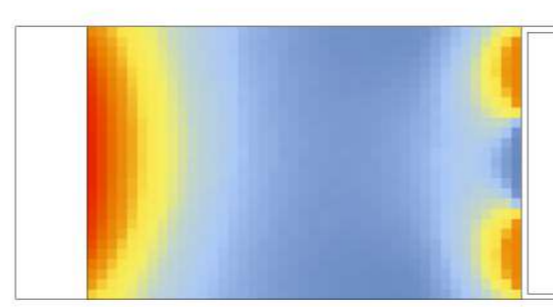
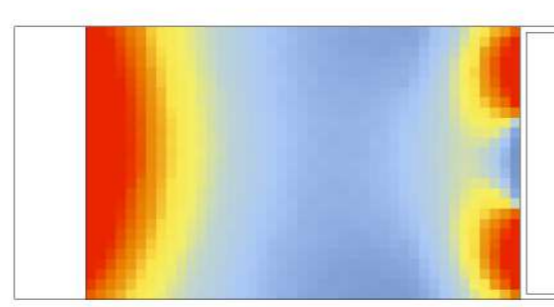
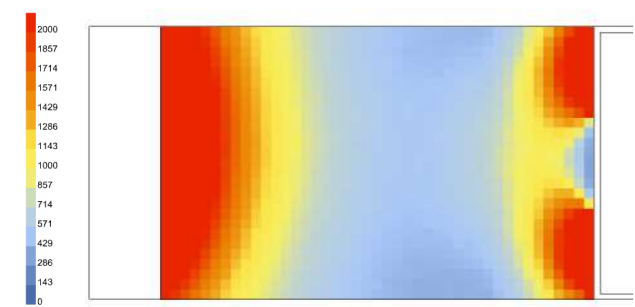
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



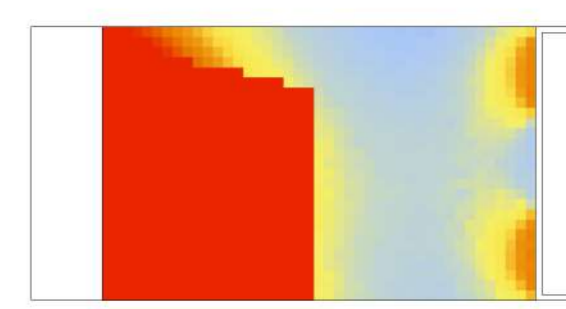
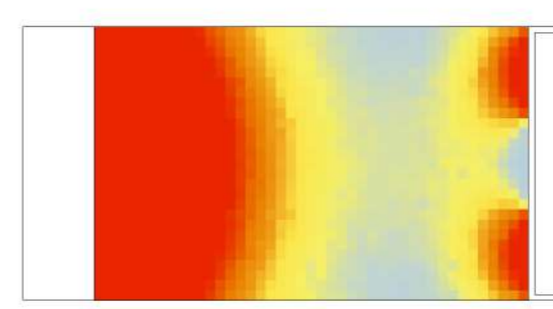
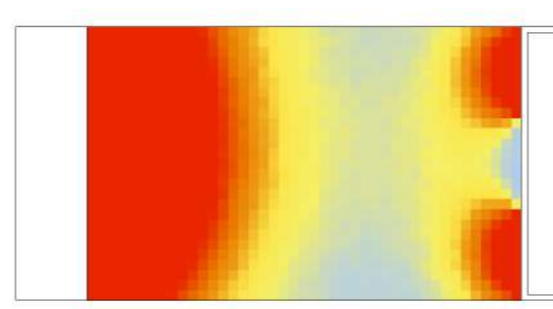
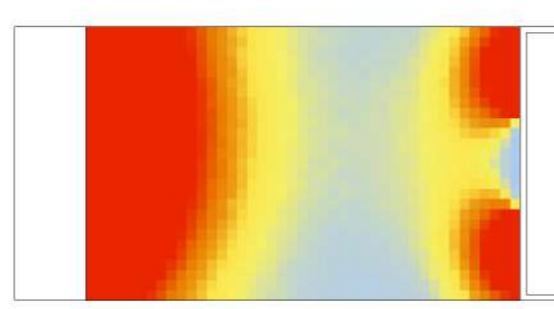
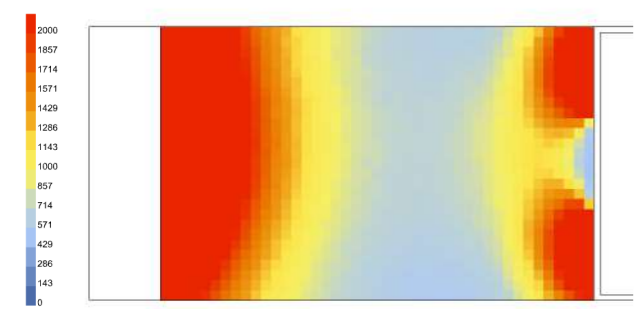
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



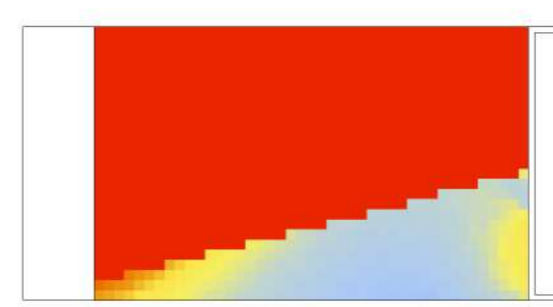
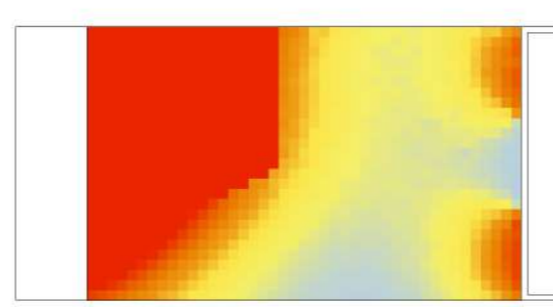
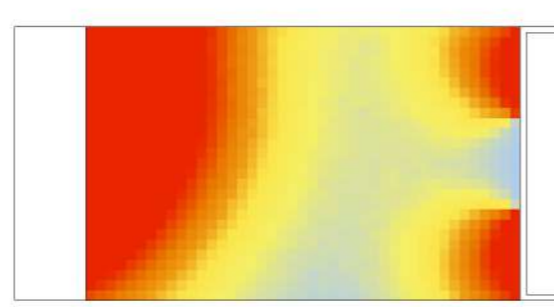
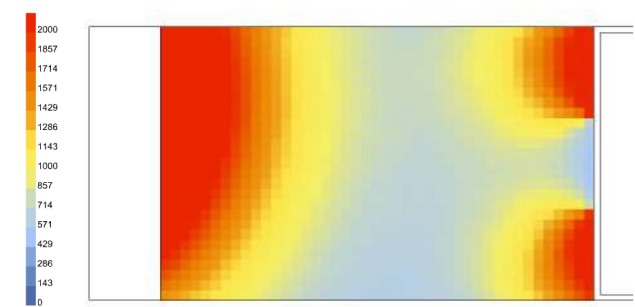
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



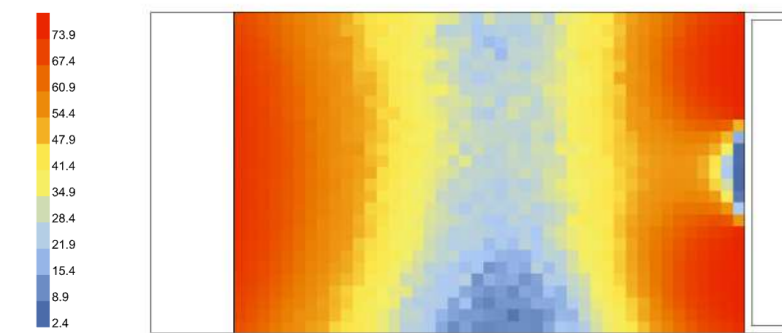
157 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

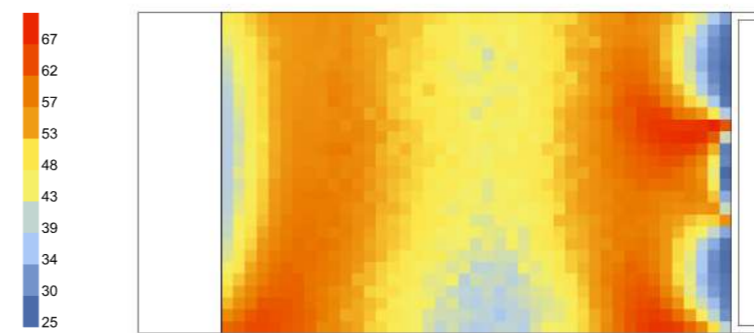
1. Daylight Autonomy (DA) - [%]



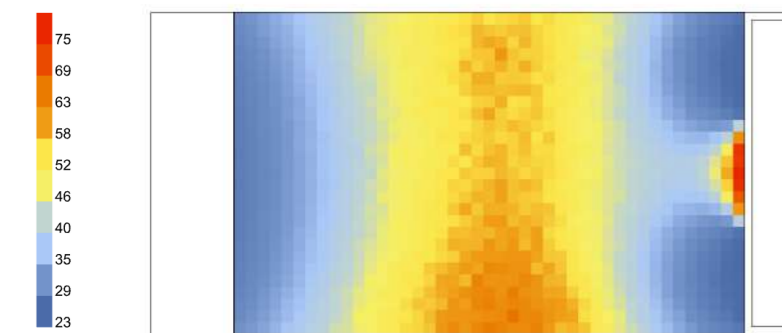
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



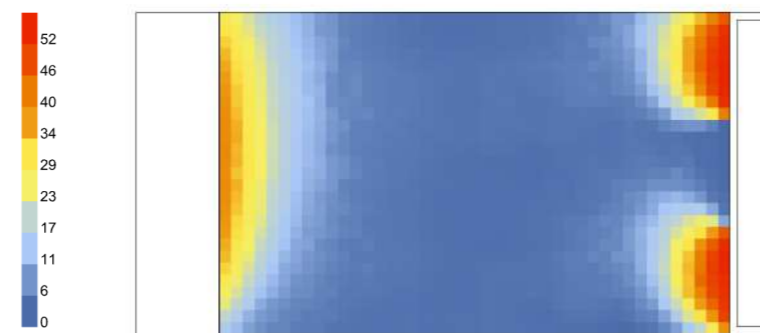
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

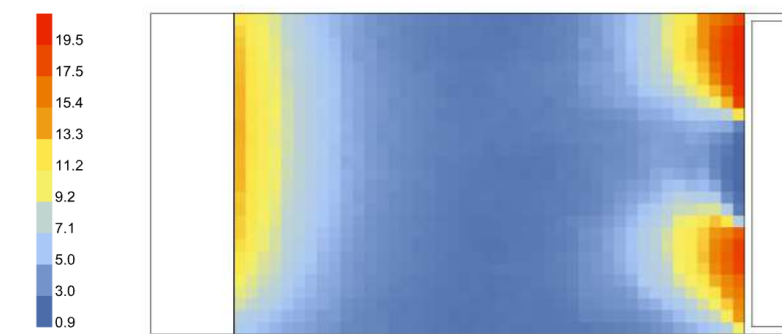


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

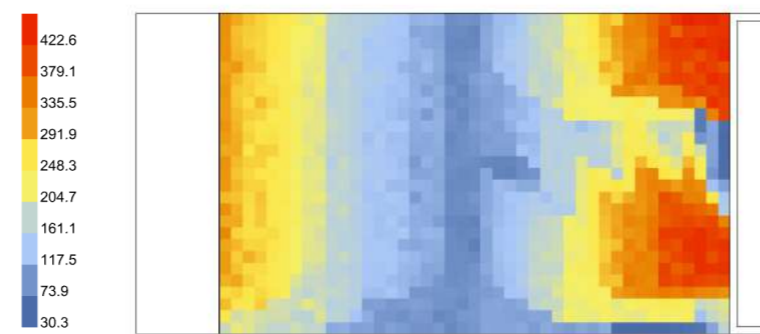


Annual Irradiance

1. Average Irradiance - [W/m²]

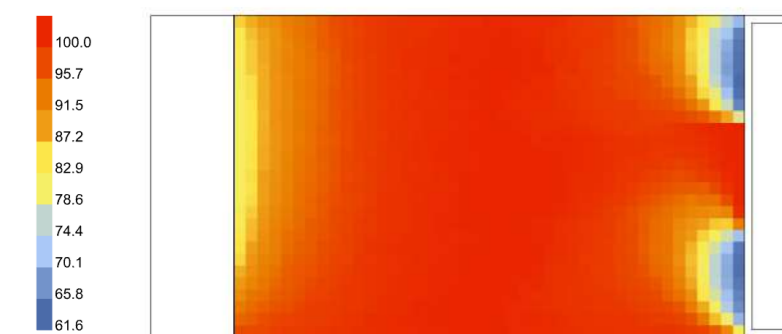


2. Peak Irradiance - [W/m²]



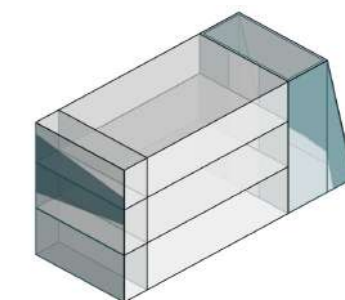
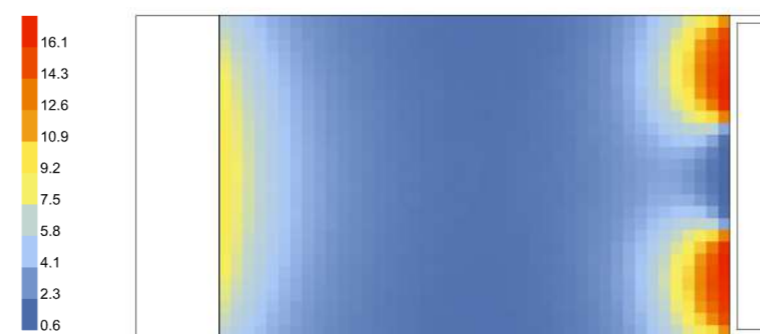
Annual Glare

1. Glare Autonomy (GA) - [%]

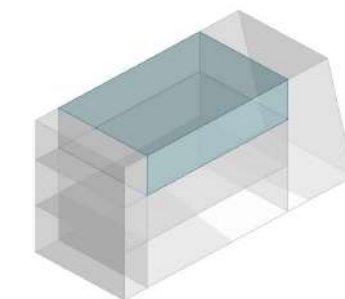


Daylight Factor

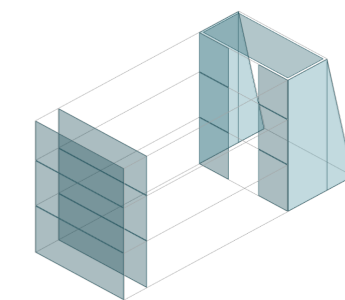
[%]



1. Modello Rhino



2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)

4. Modello HB
Soppalco
Assente

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti

158 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

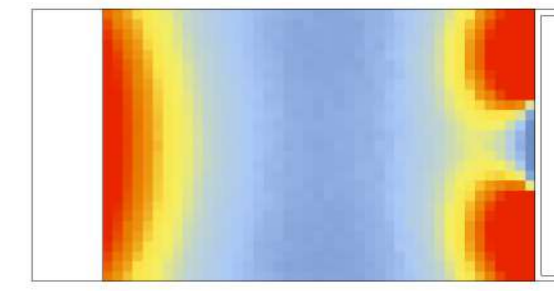
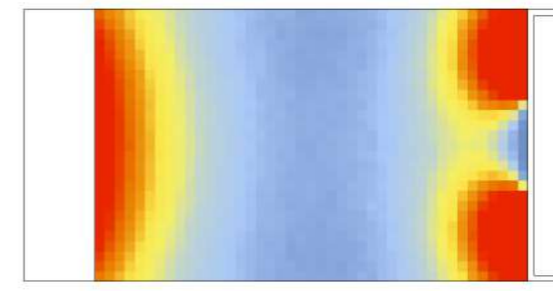
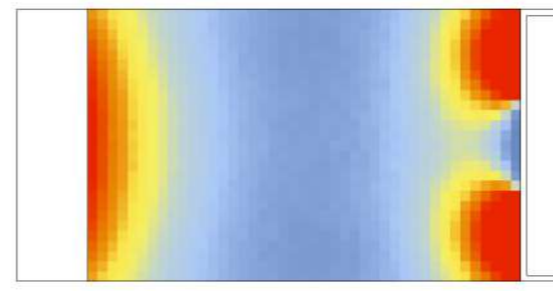
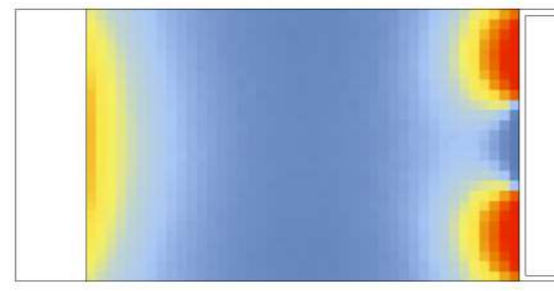
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



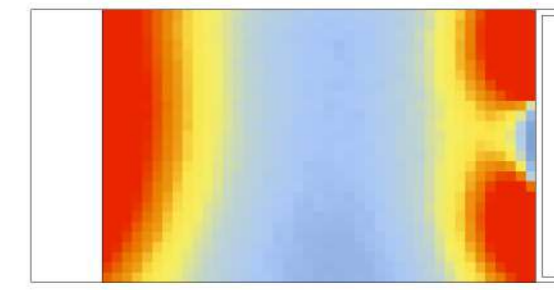
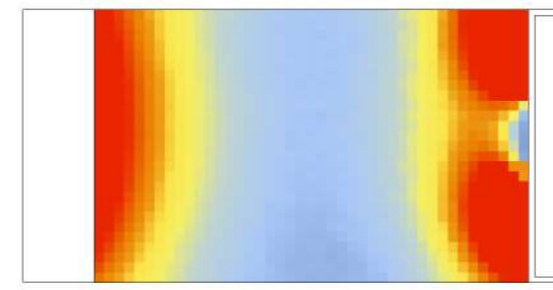
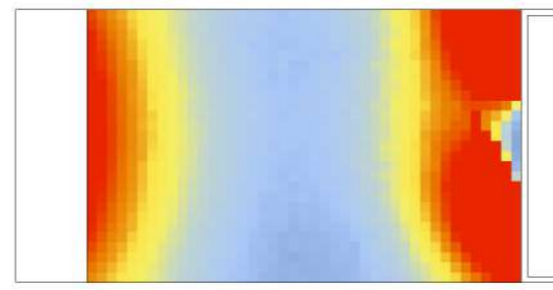
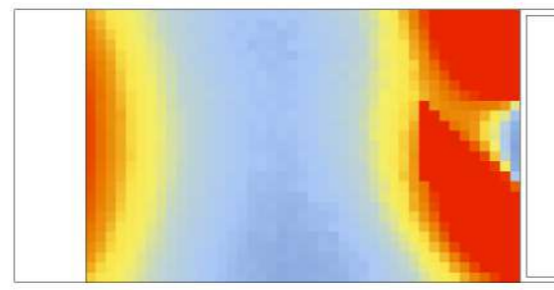
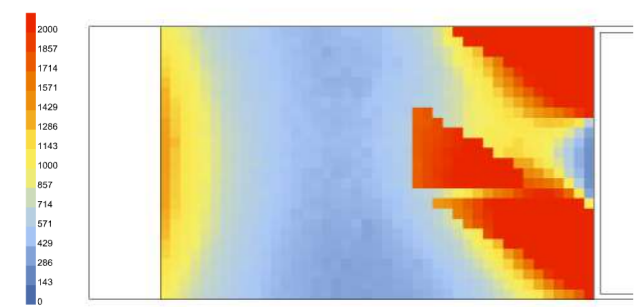
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



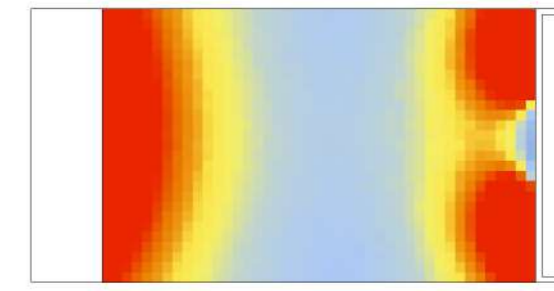
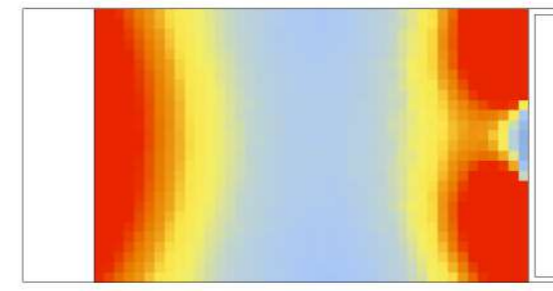
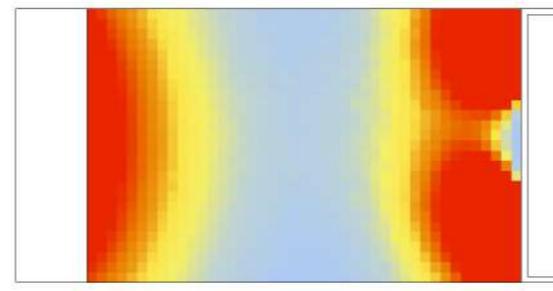
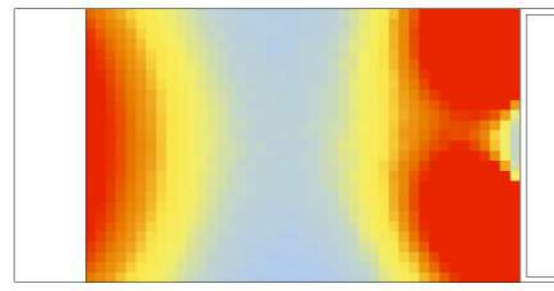
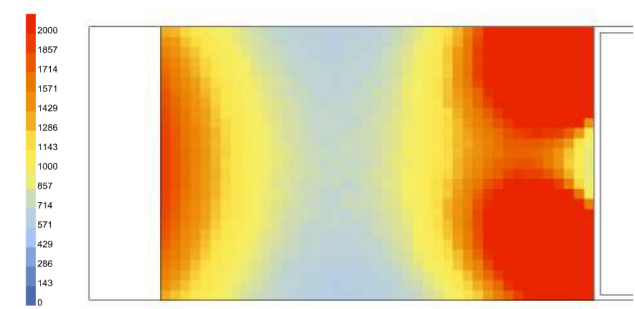
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



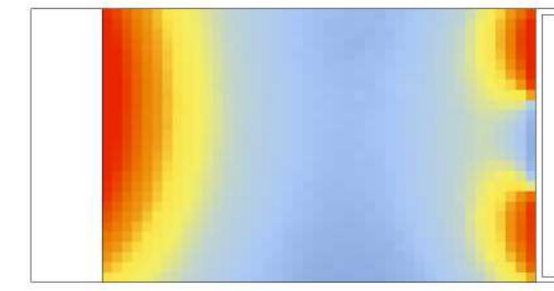
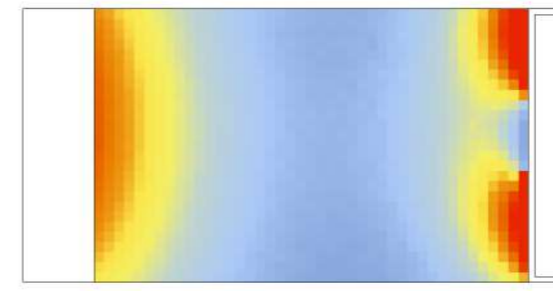
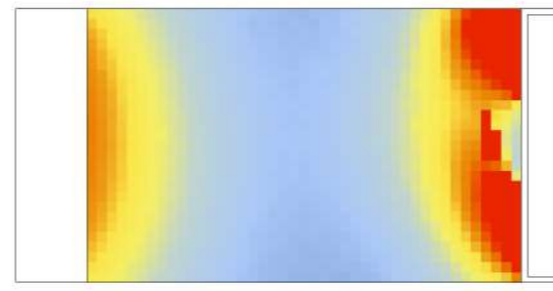
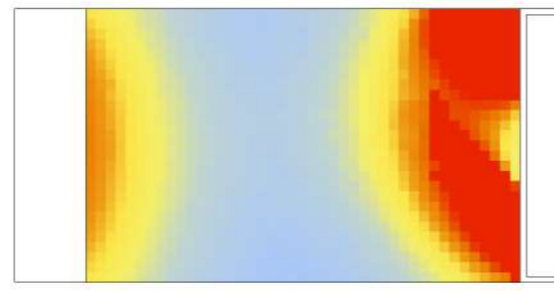
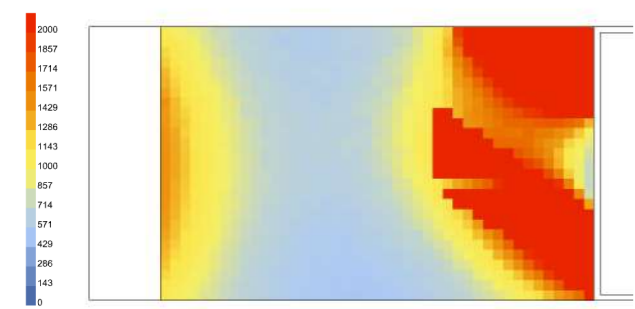
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



159 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno

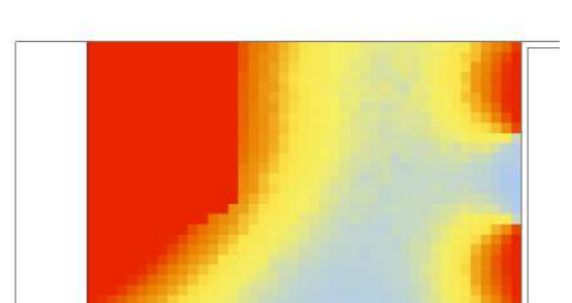
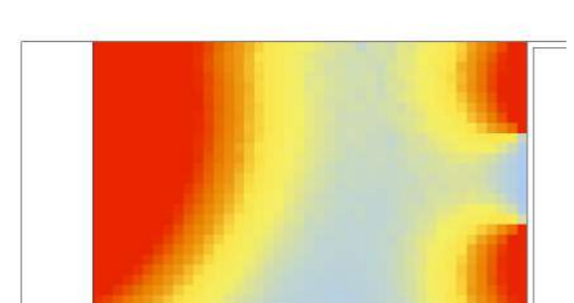
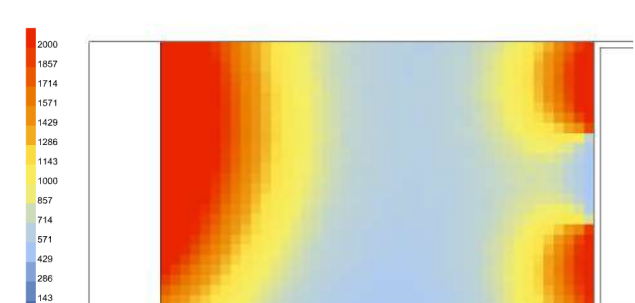
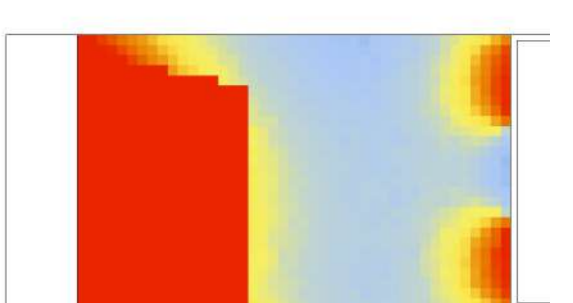
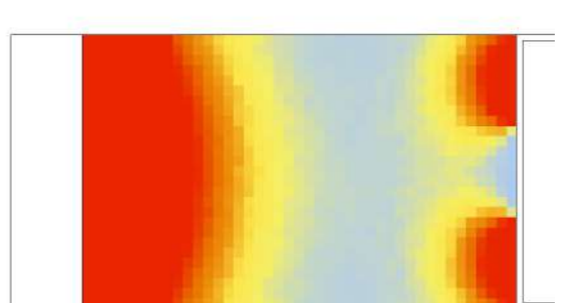
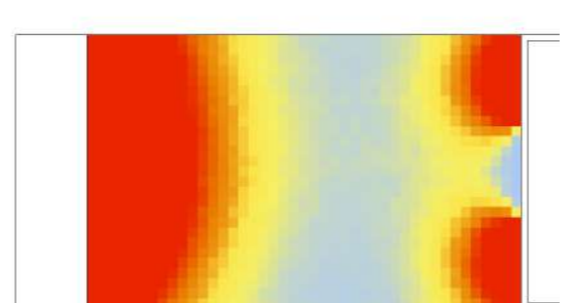
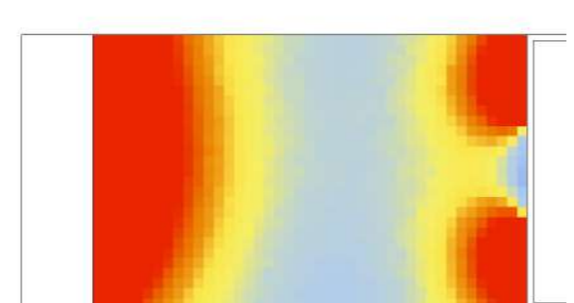
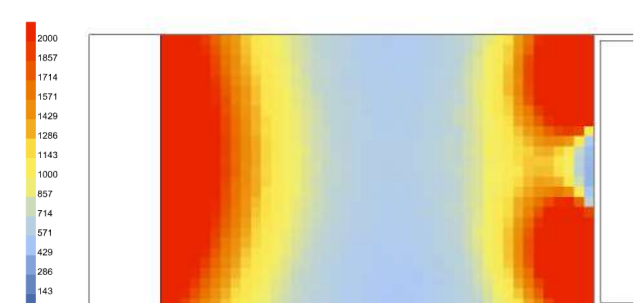
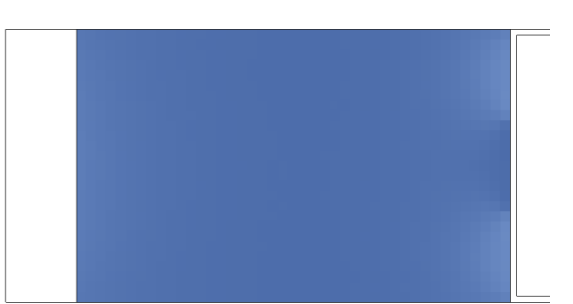
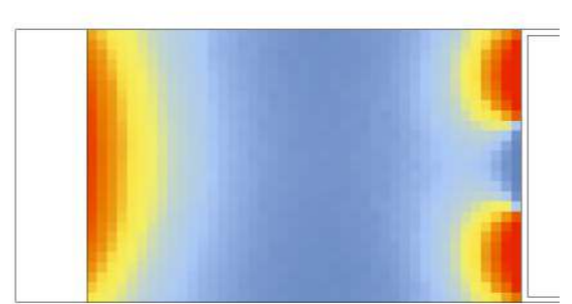
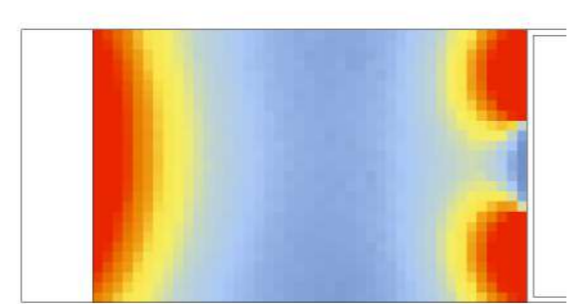
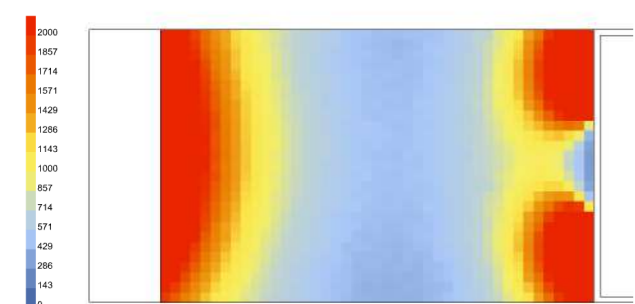
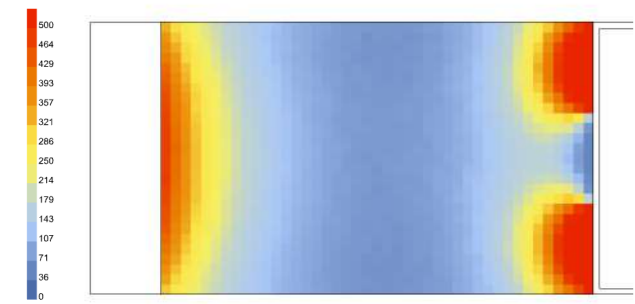
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



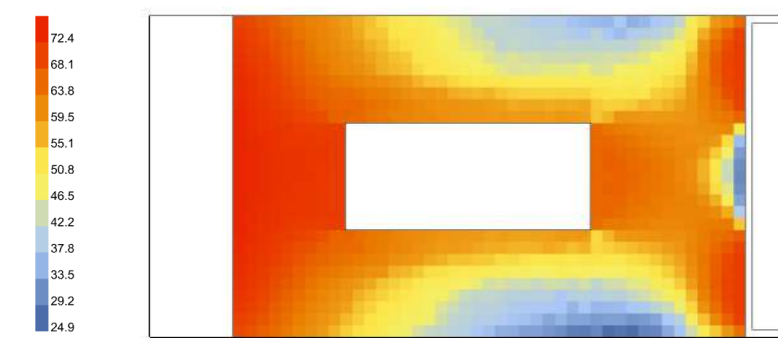
160 ANALISI ILLUMINOTECNICHE
STATO DI FATTO - P2



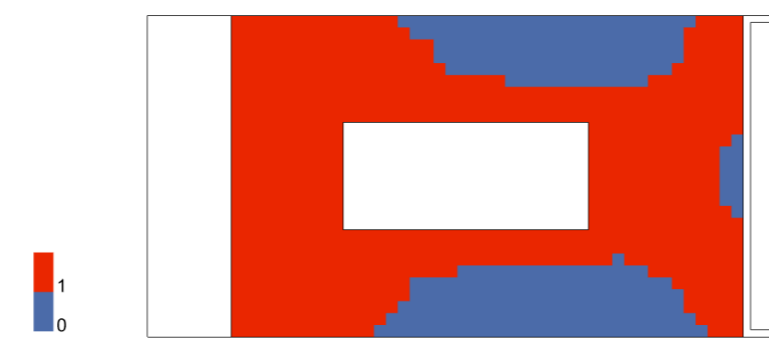
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

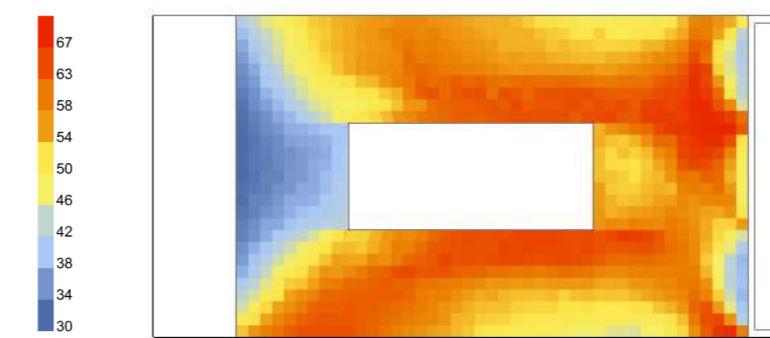
1. Daylight Autonomy (DA) - [%]



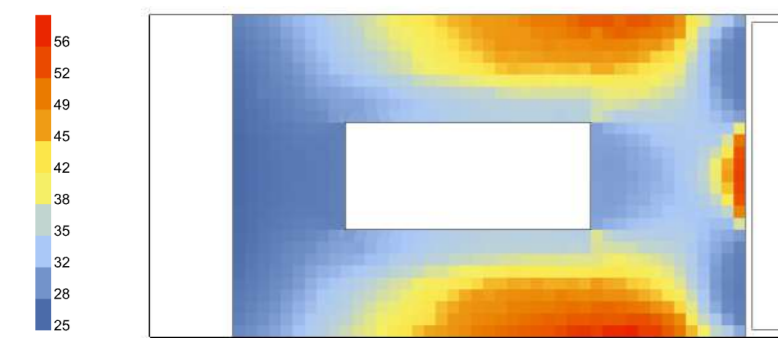
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



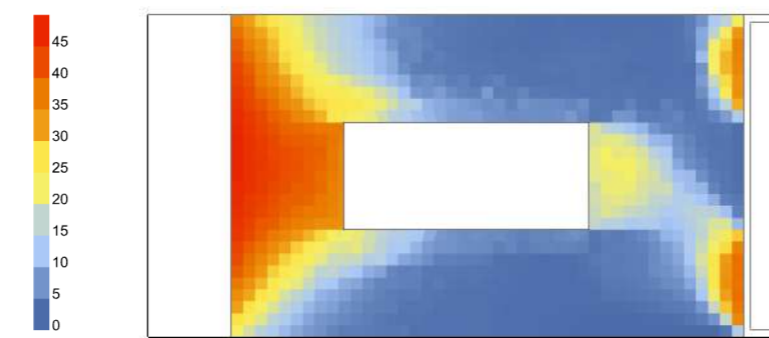
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

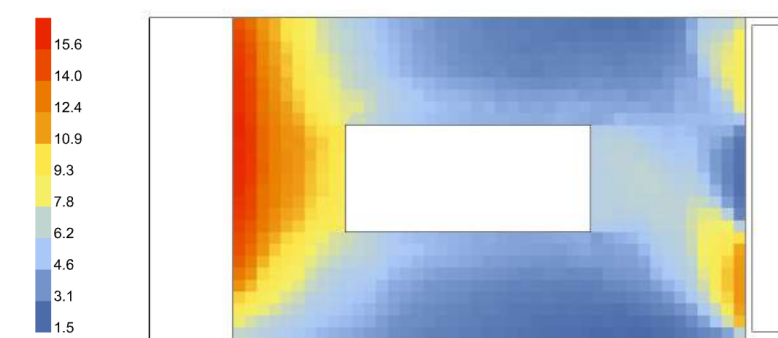


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

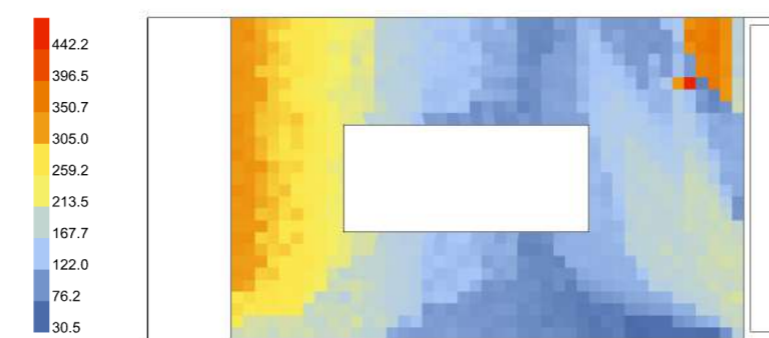


Annual Irradiance

1. Average Irradiance - [W/m²]

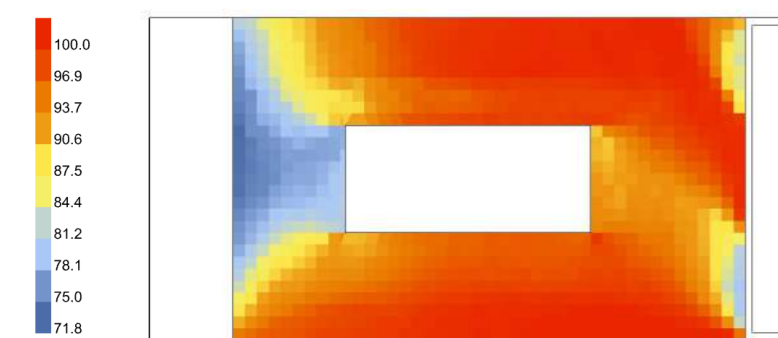


2. Peak Irradiance - [W/m²]



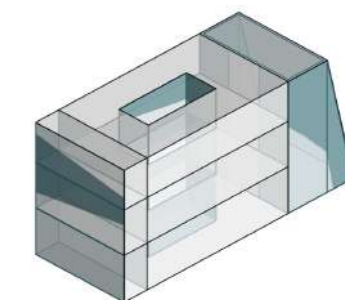
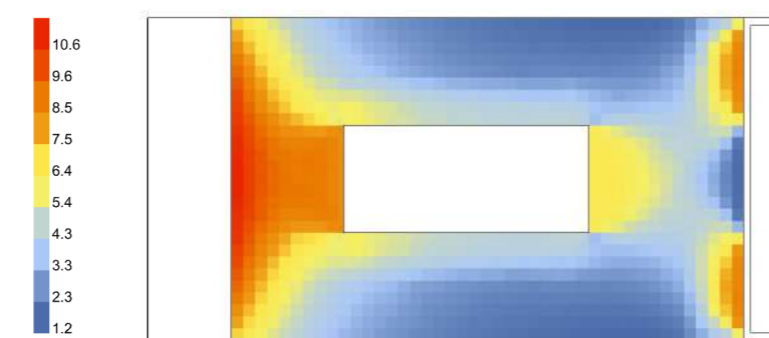
Annual Glare

1. Glare Autonomy (GA) - [%]

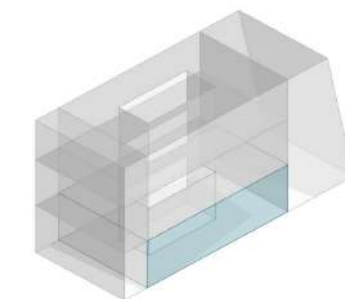


Daylight Factor

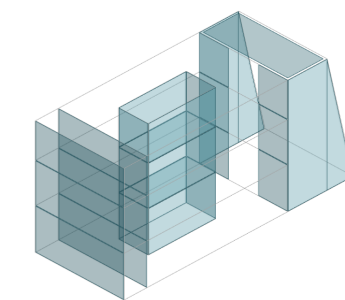
[%]



1. Modello Rhino



2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)

4. Modello HB
Soppalco
Assente

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti

161 ANALISI ILLUMINOTECNICHE
APERTURA CENTRALE - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

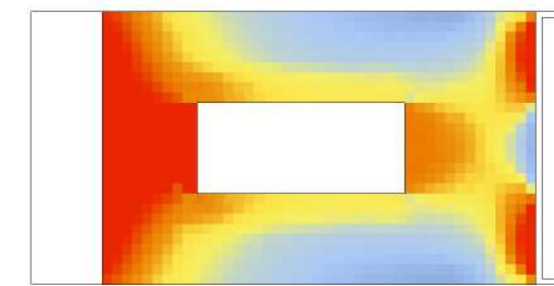
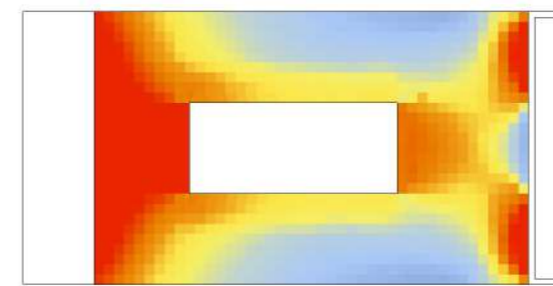
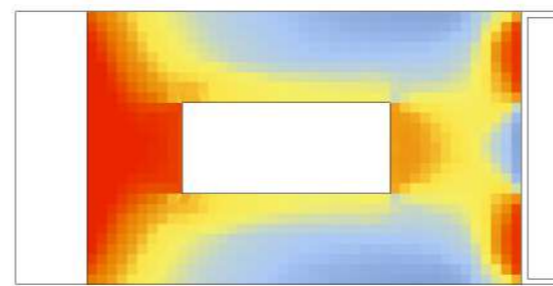
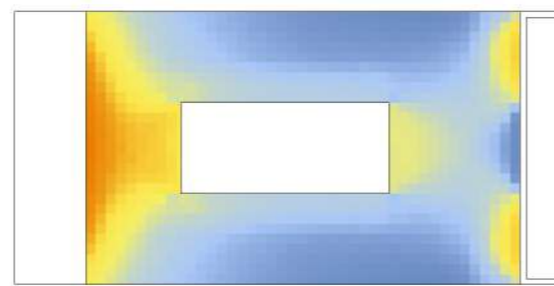
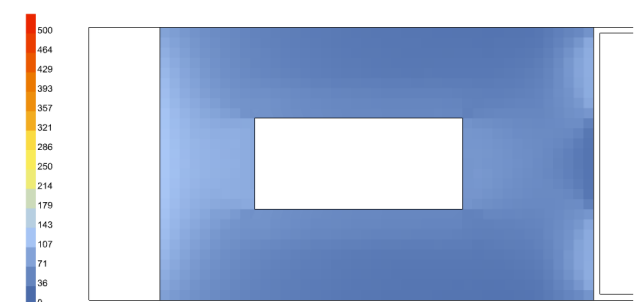
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



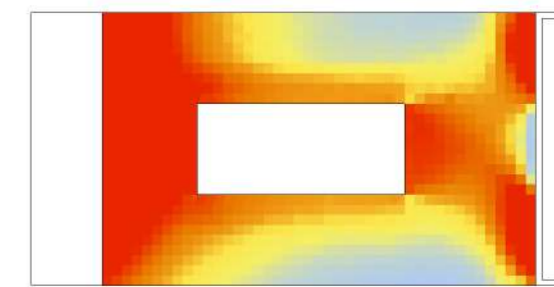
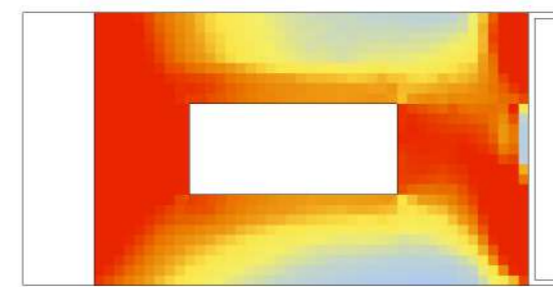
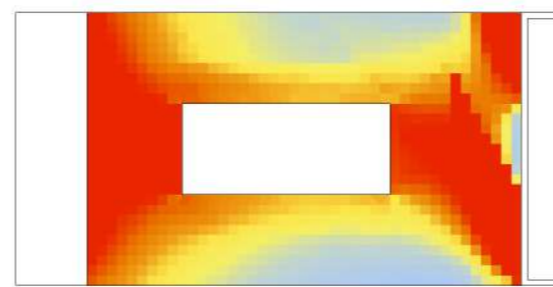
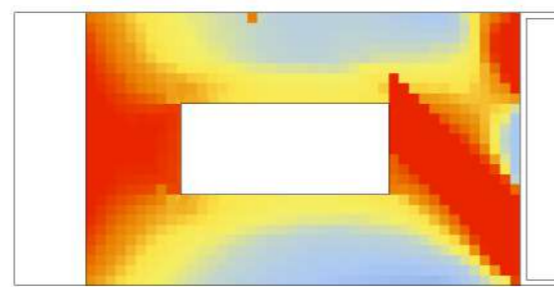
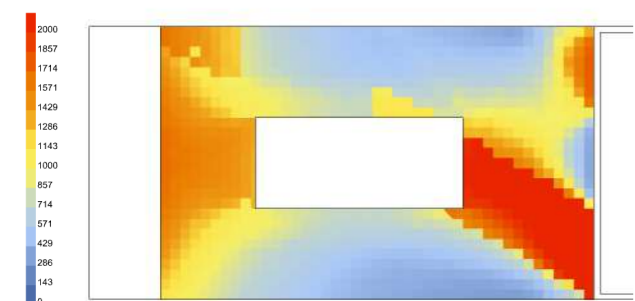
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



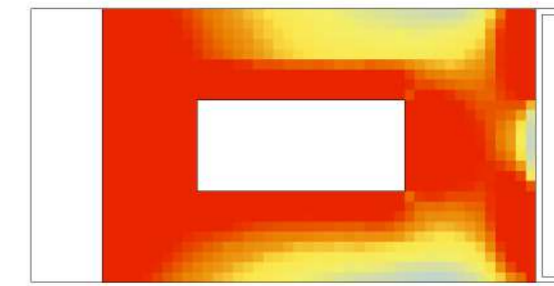
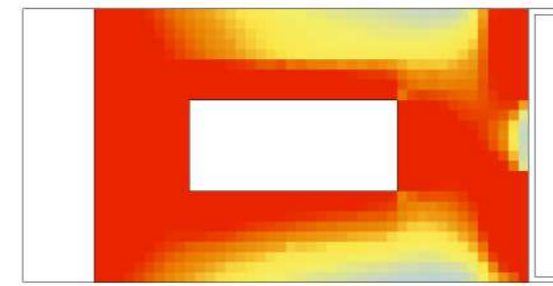
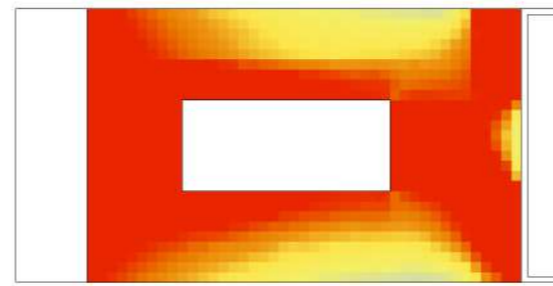
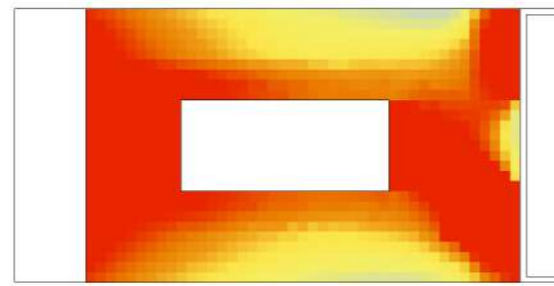
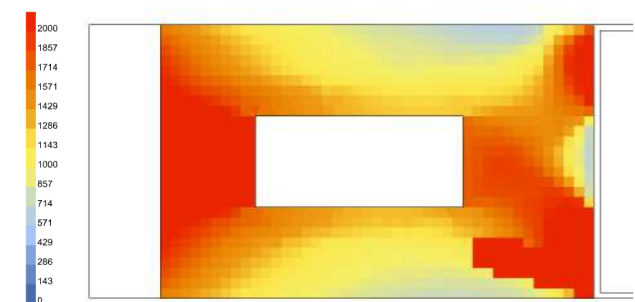
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



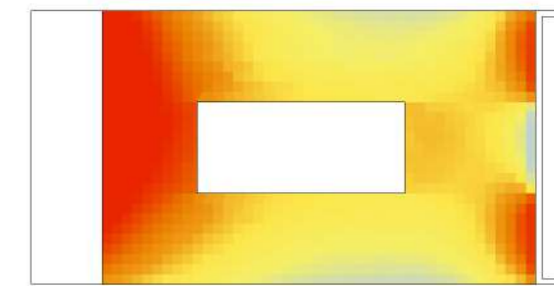
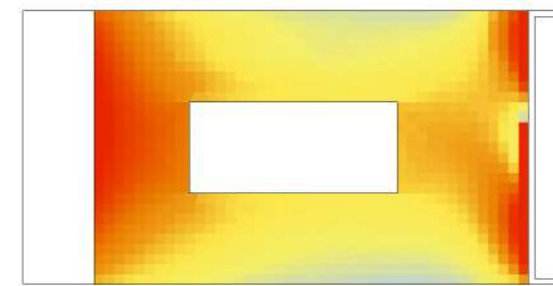
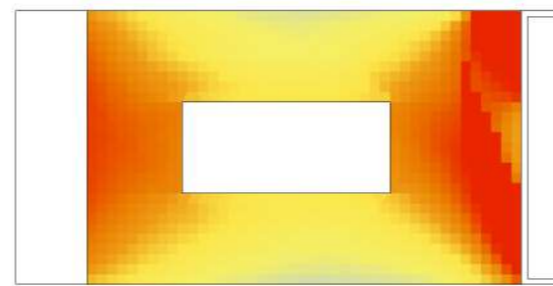
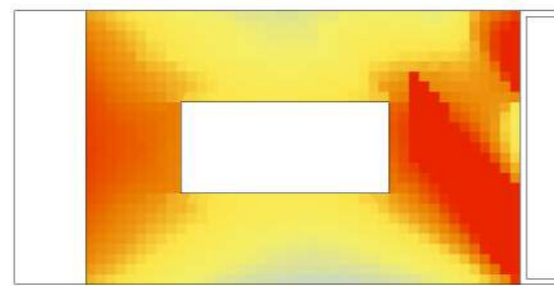
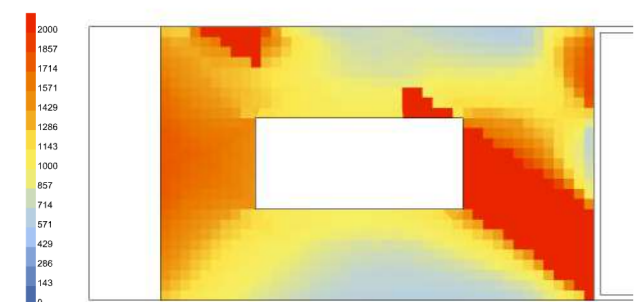
23 Settembre

23 Settembre

23 Settembre

23 Settembre

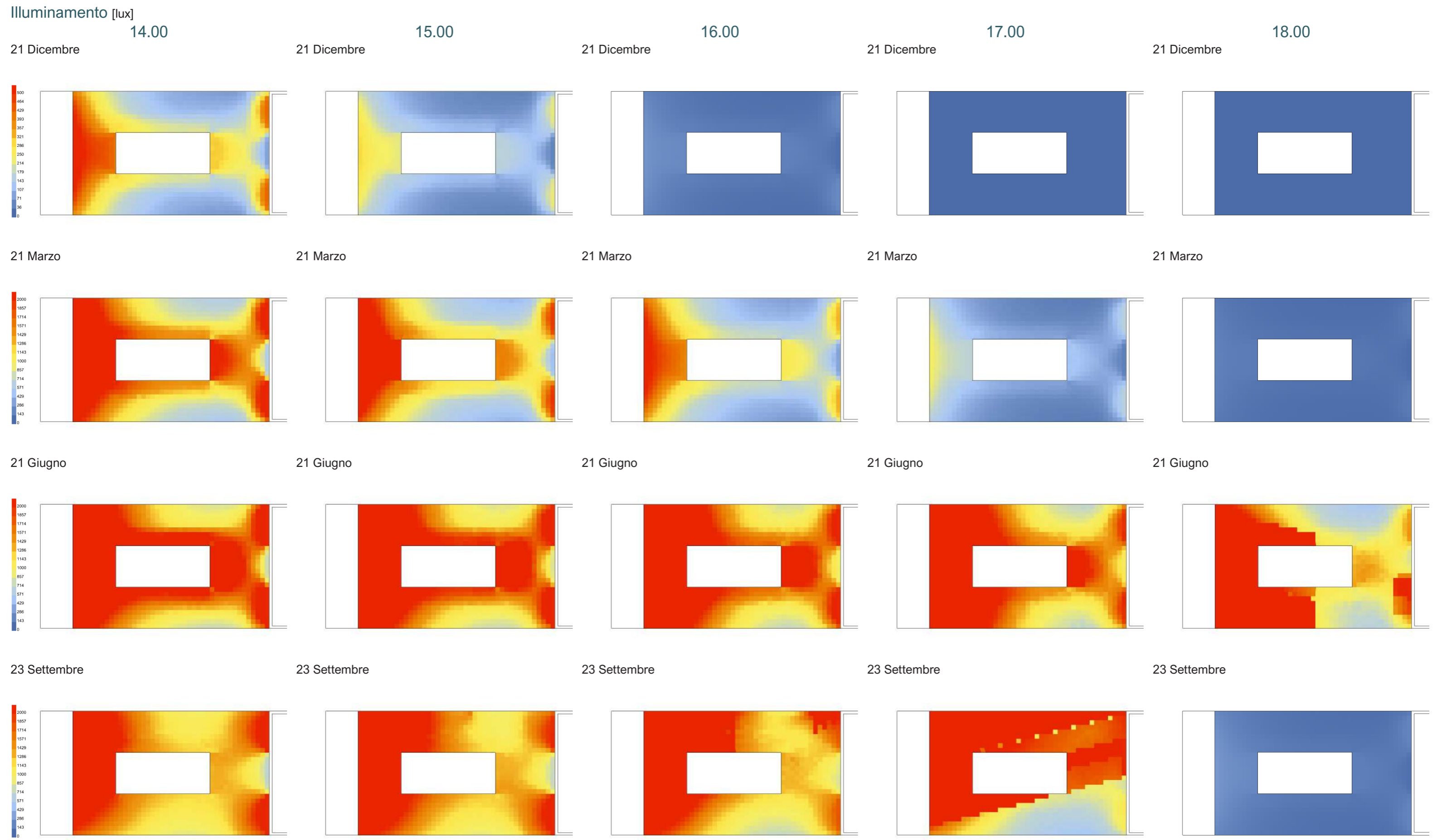
23 Settembre



162 ANALISI ILLUMINOTECNICHE
APERTURA CENTRALE - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia



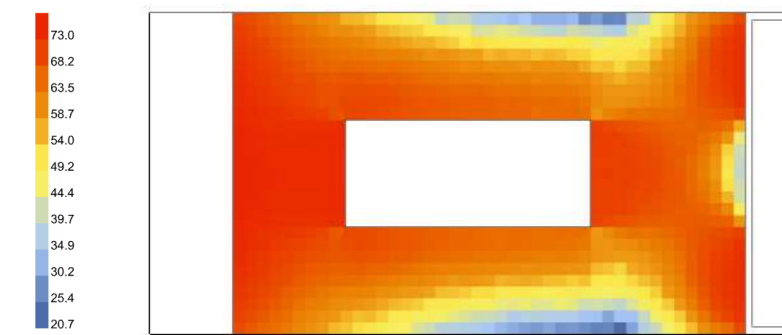
163 ANALISI ILLUMINOTECNICHE
 APERTURA CENTRALE - PT



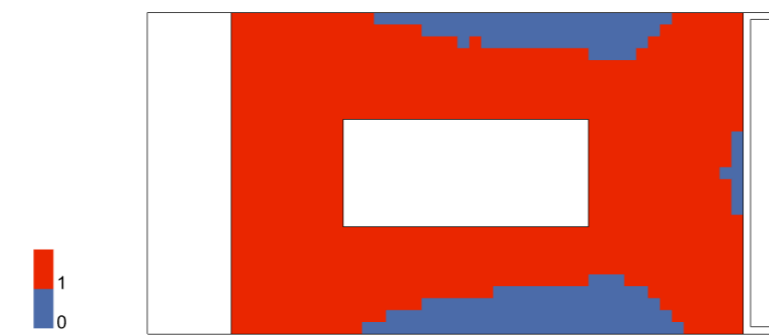
Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

Annual Daylight

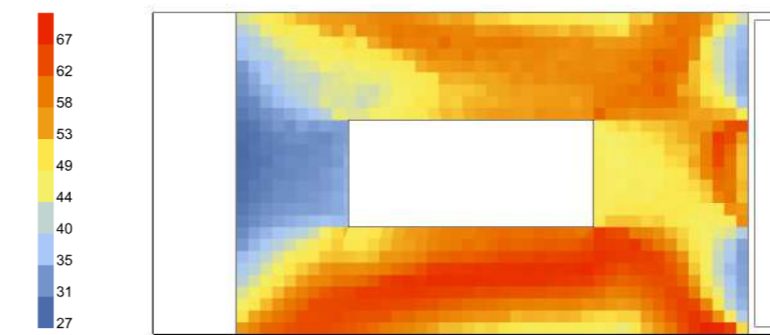
1. Daylight Autonomy (DA) - [%]



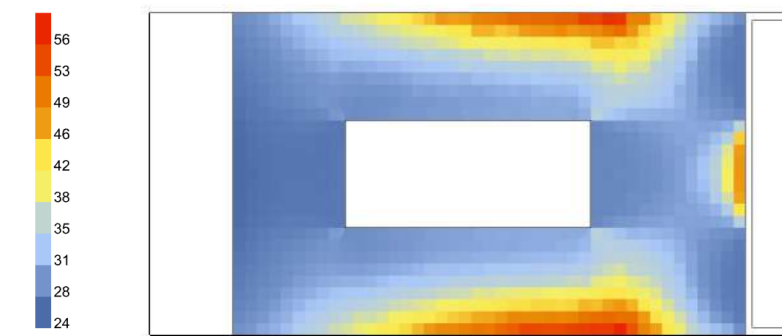
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



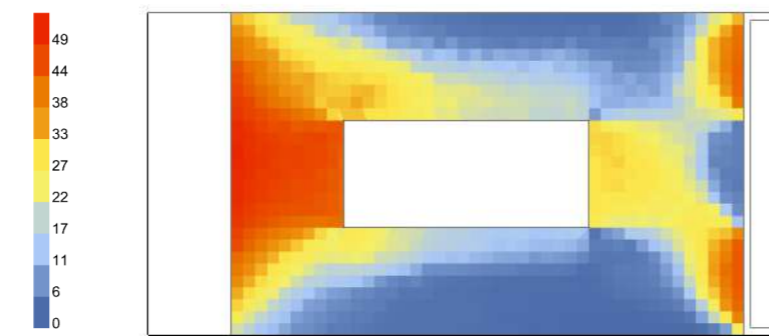
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

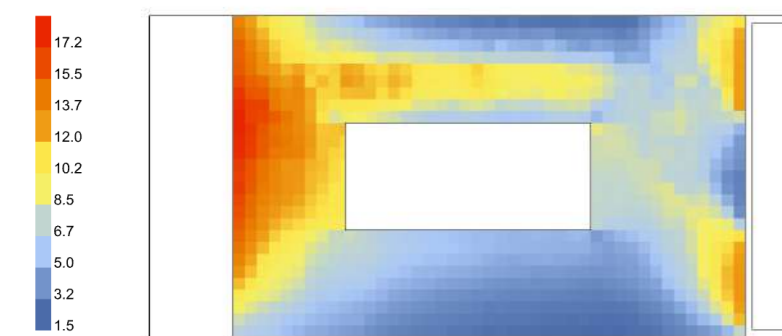


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

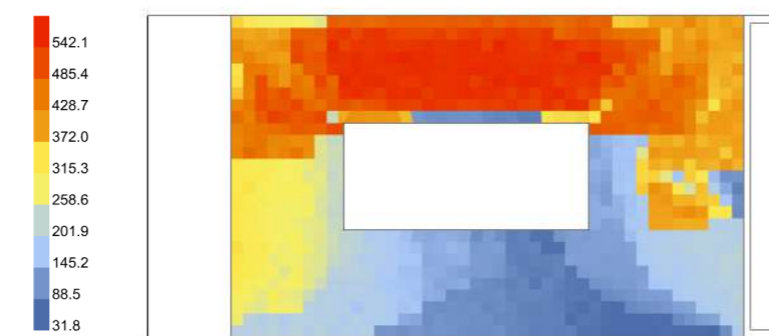


Annual Irradiance

1. Average Irradiance - [W/m²]

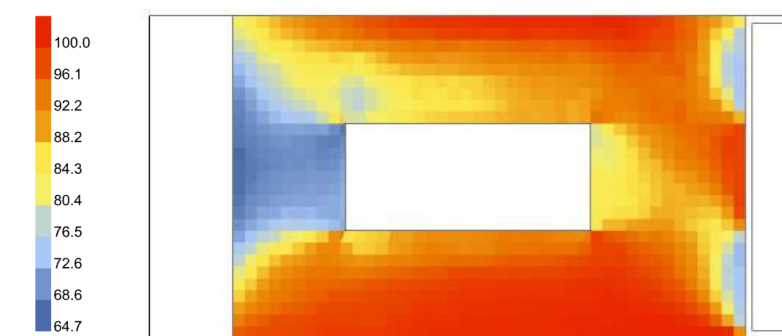


2. Peak Irradiance - [W/m²]



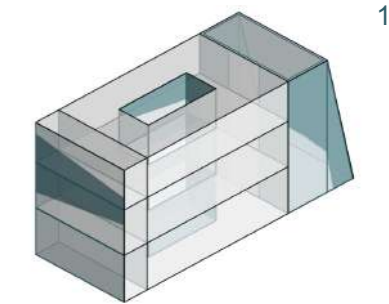
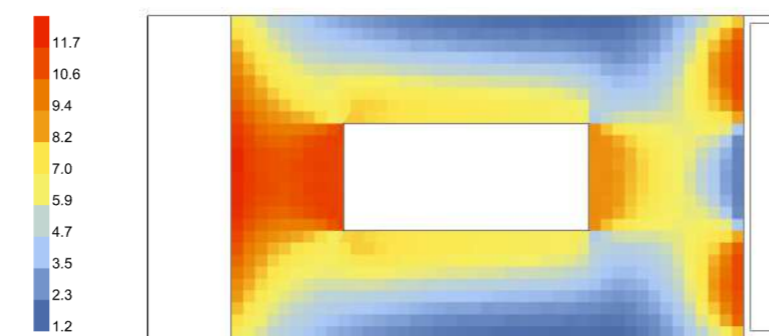
Annual Glare

1. Glare Autonomy (GA) - [%]

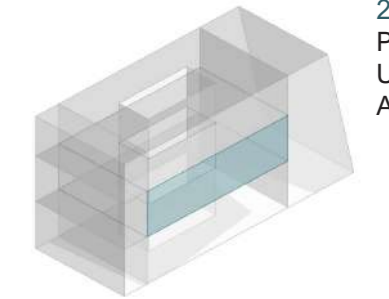


Daylight Factor

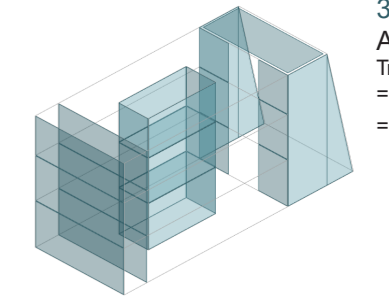
[%]



1. Modello Rhino



2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m

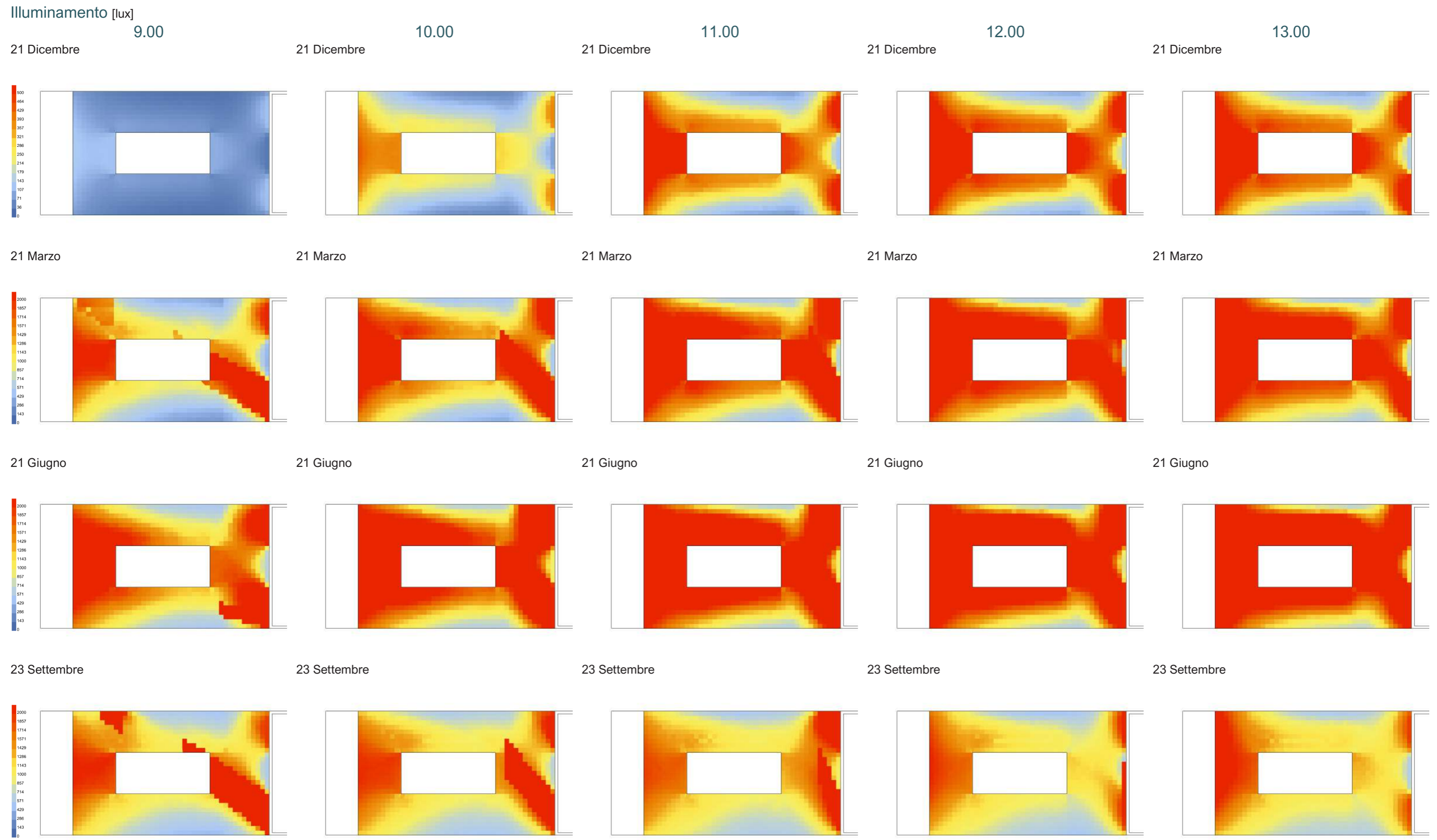


3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)

4. Modello HB
Soppalco
Assente

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti



165 ANALISI ILLUMINOTECNICHE
 APERTURA CENTRALE - P1



Annibale Alessandra
 Chiesa Emily
 Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

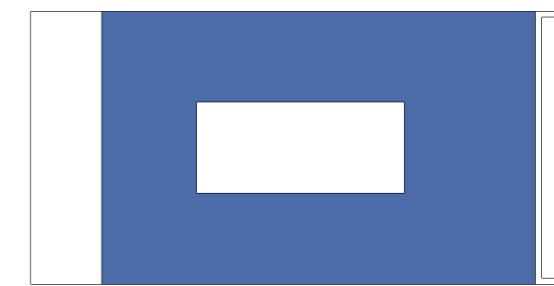
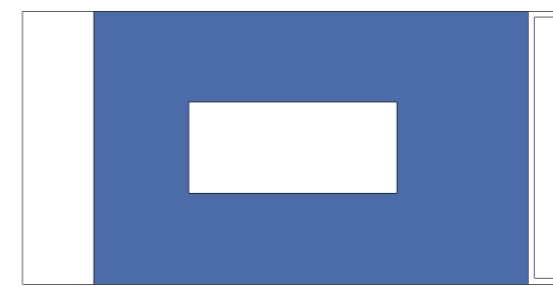
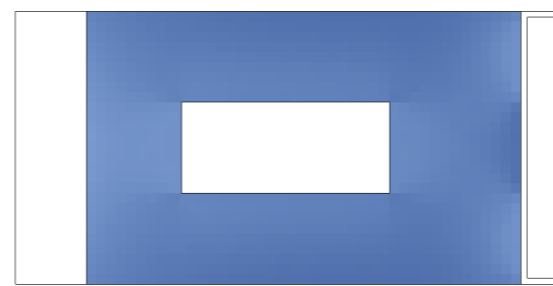
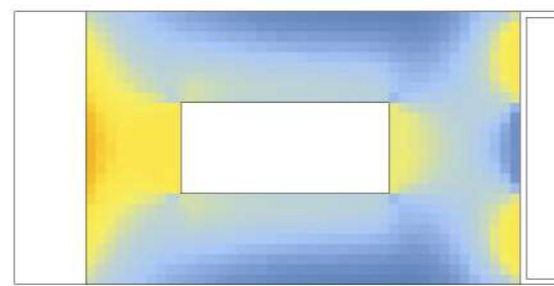
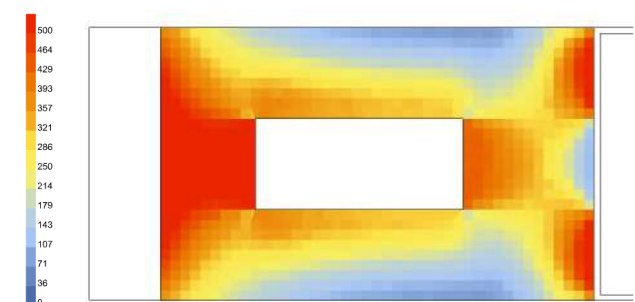
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



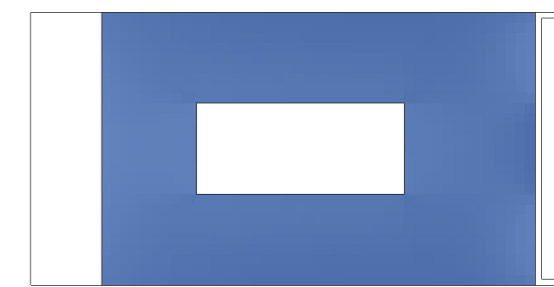
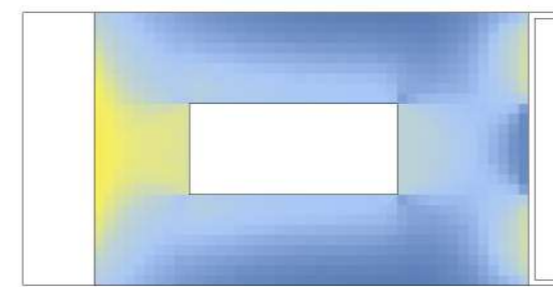
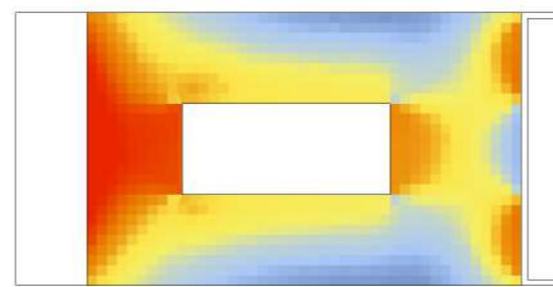
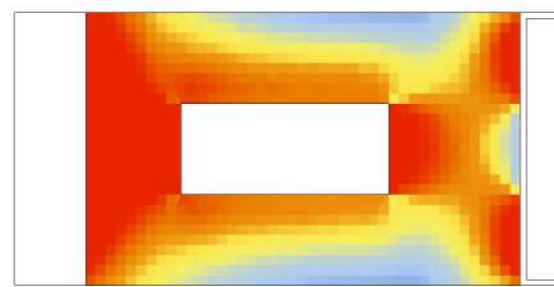
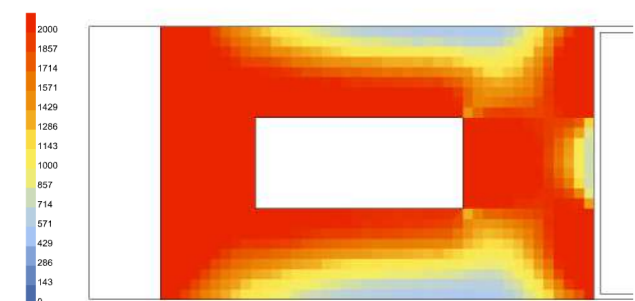
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



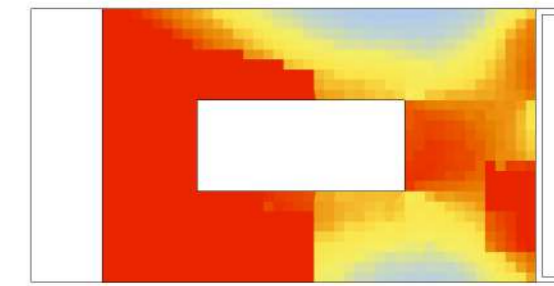
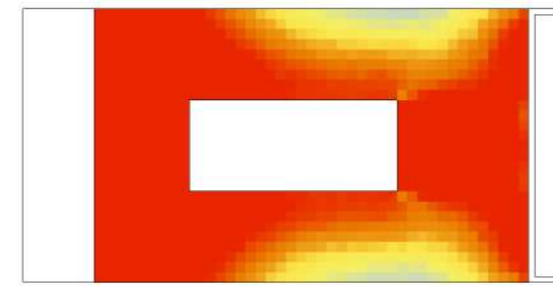
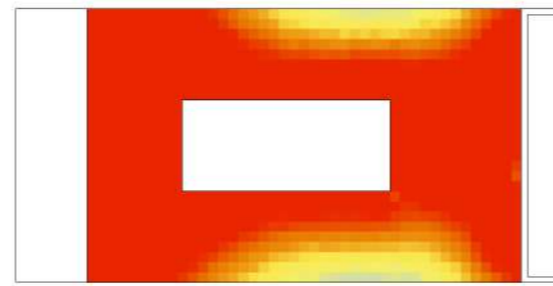
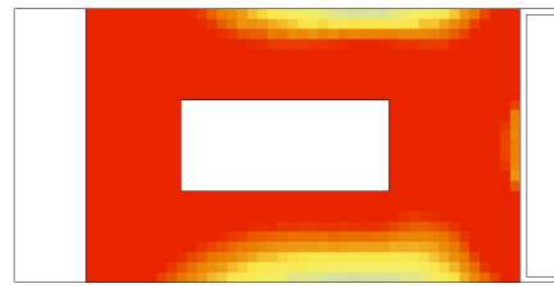
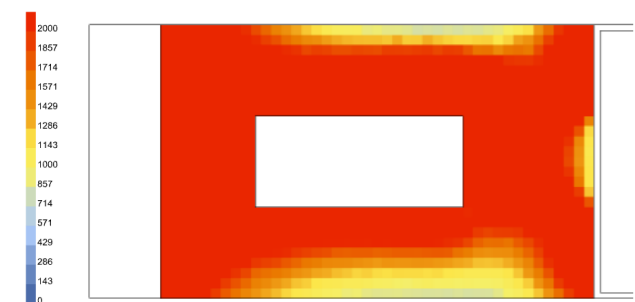
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



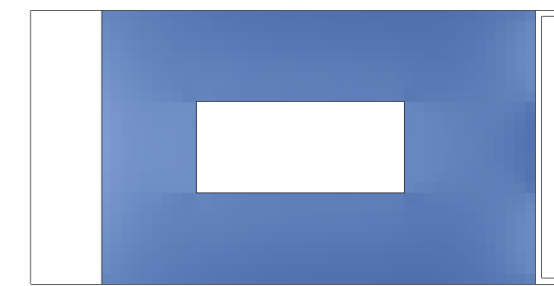
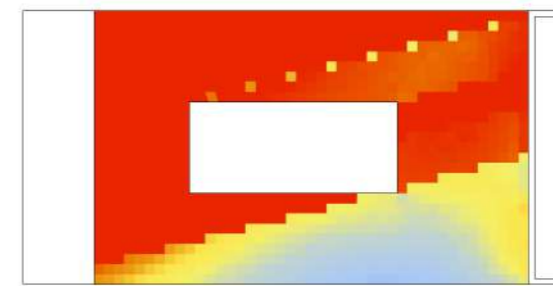
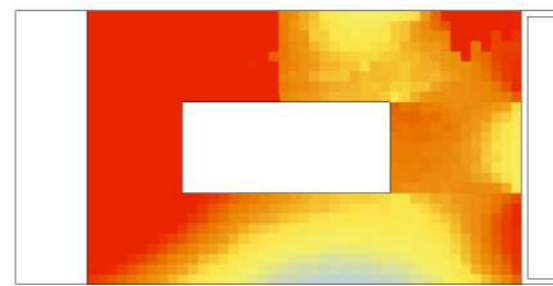
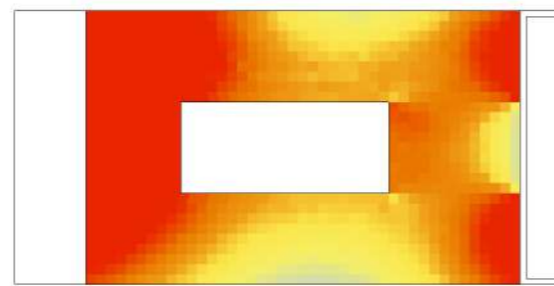
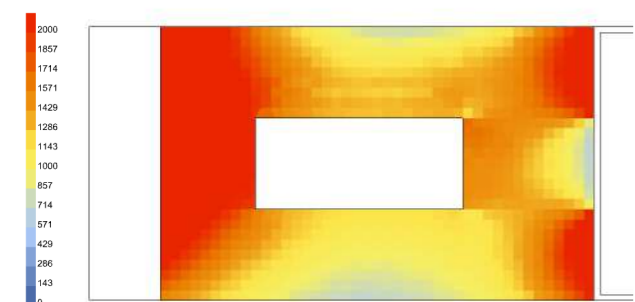
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



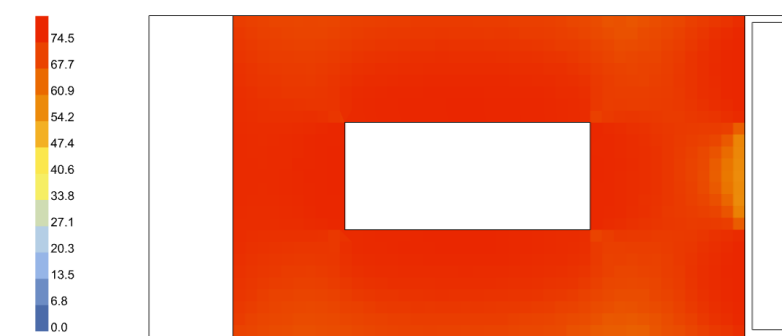
166 ANALISI ILLUMINOTECNICHE
APERTURA CENTRALE - P1



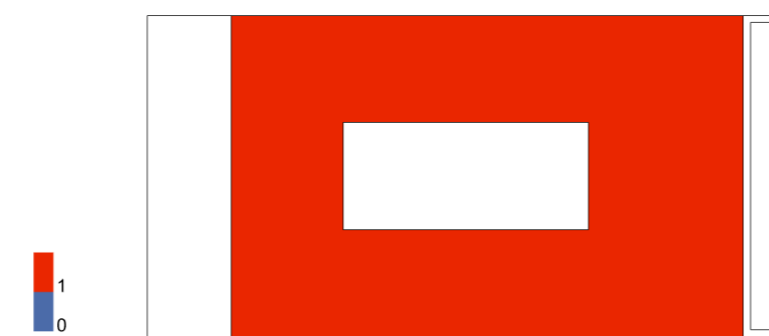
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

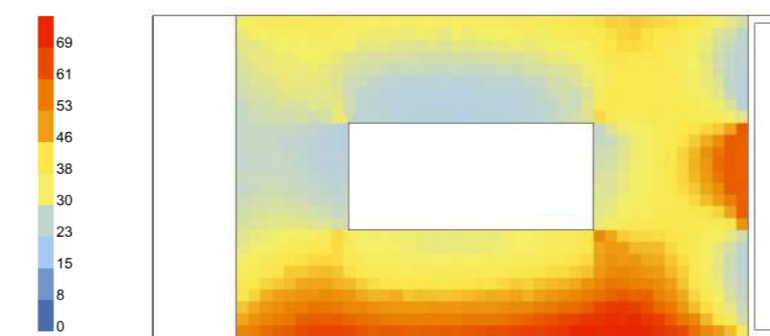
1. Daylight Autonomy (DA) - [%]



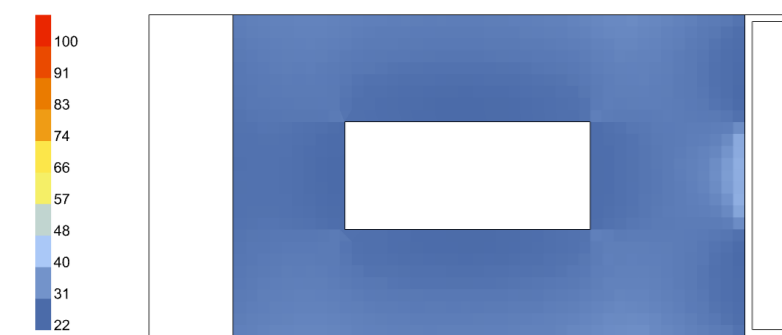
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



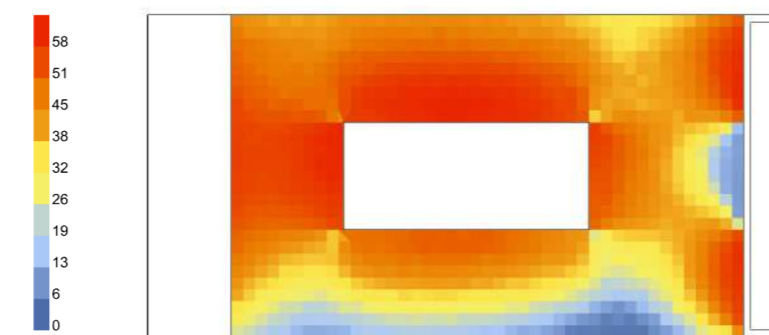
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

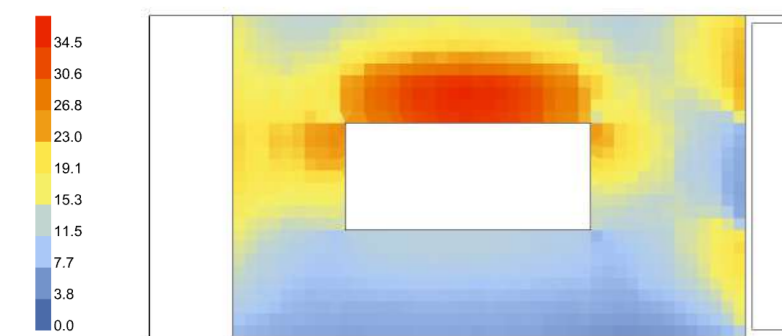


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

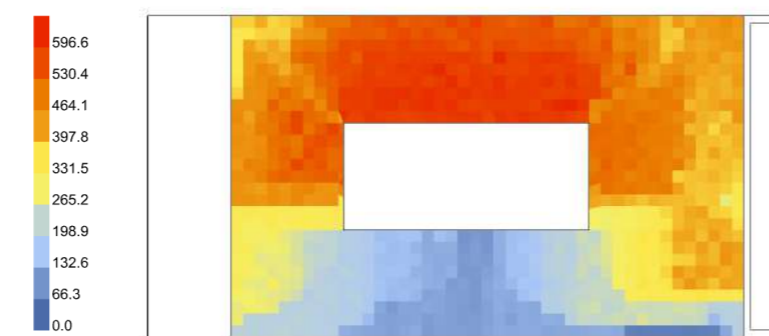


Annual Irradiance

1. Average Irradiance - [W/m²]

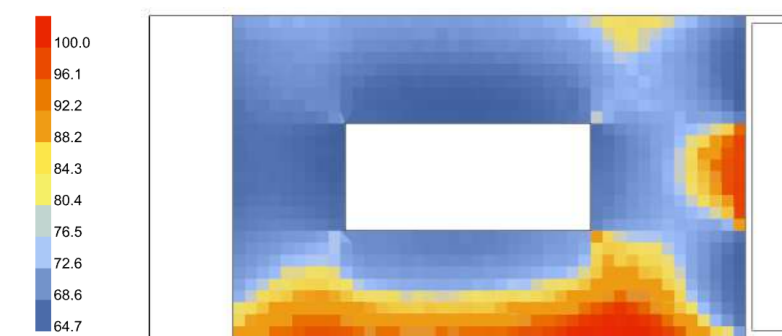


2. Peak Irradiance - [W/m²]



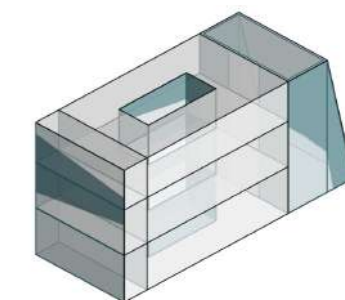
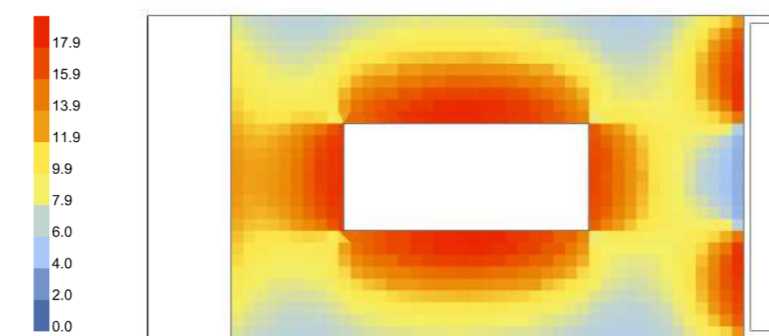
Annual Glare

1. Glare Autonomy (GA) - [%]

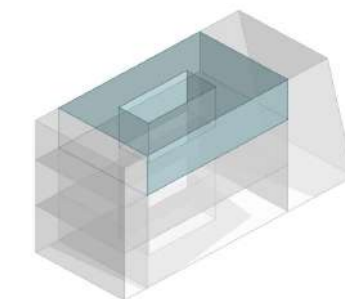


Daylight Factor

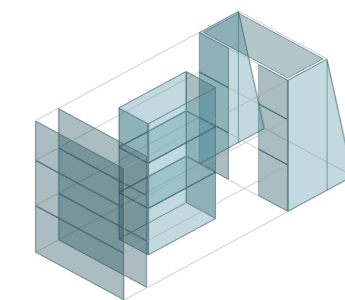
[%]



1. Modello Rhino



2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)

4. Modello HB
Soppalco
Assente

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti

167 ANALISI ILLUMINOTECNICHE
APERTURA CENTRALE - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

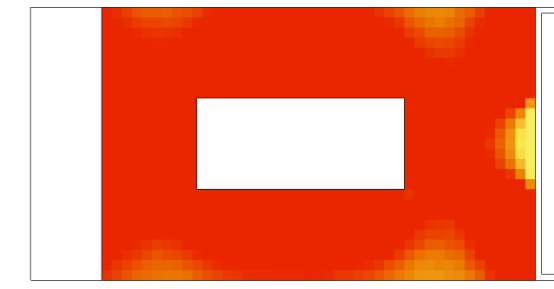
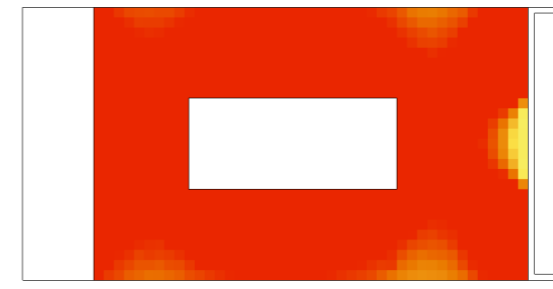
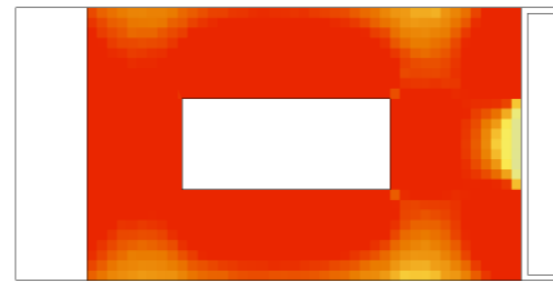
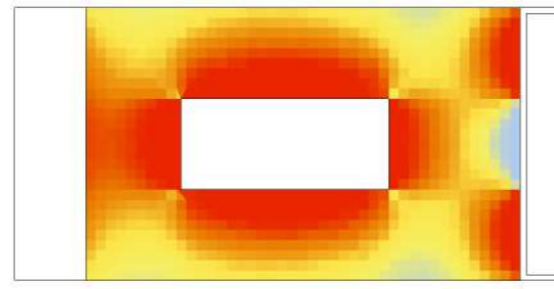
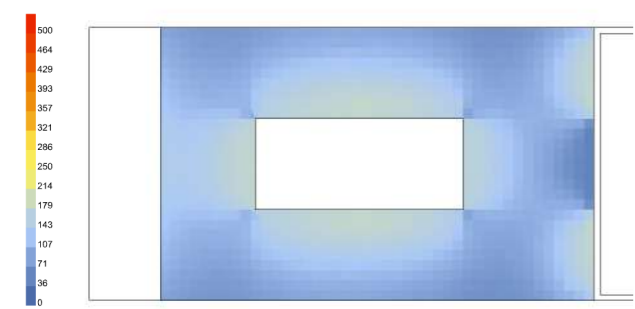
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



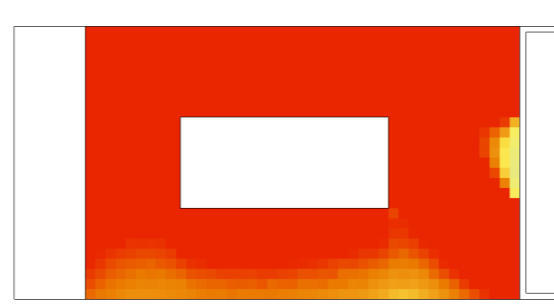
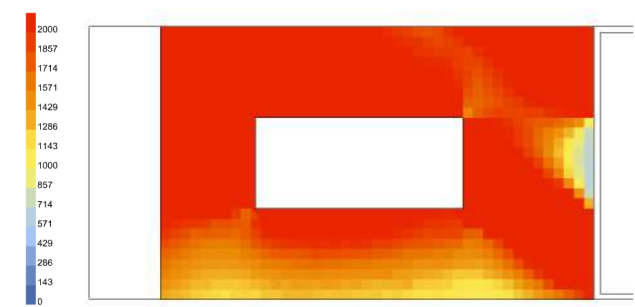
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



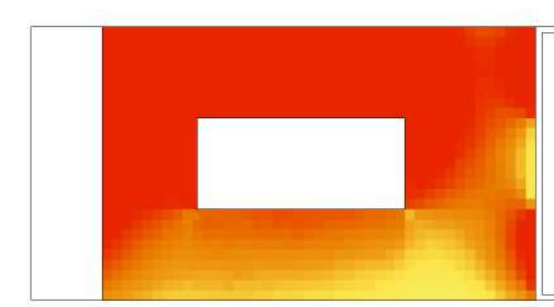
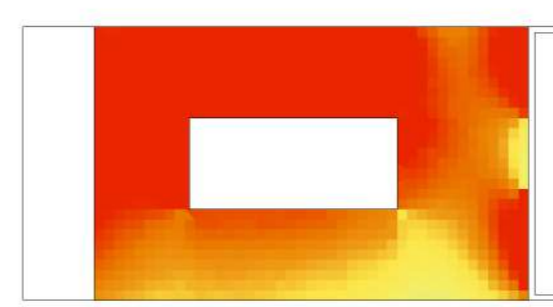
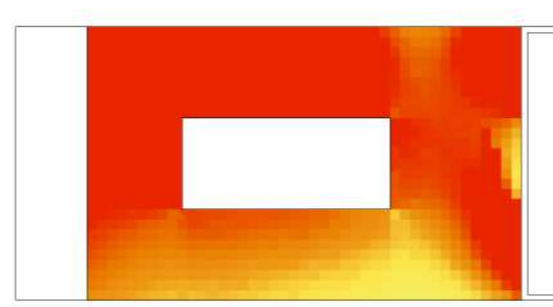
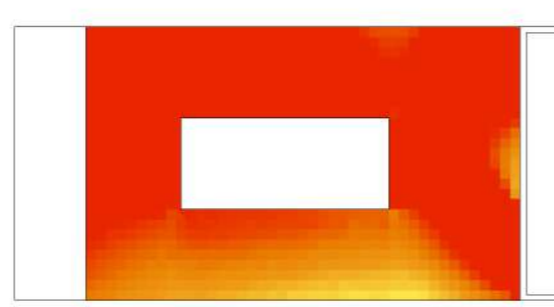
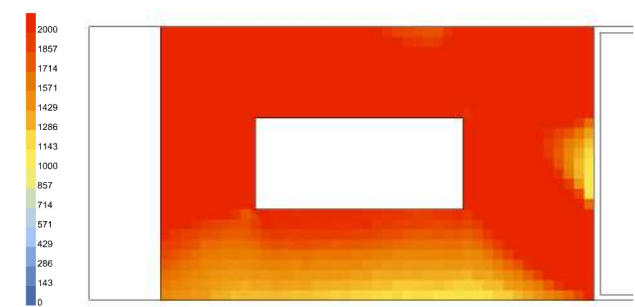
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



168 ANALISI ILLUMINOTECNICHE
APERTURA CENTRALE - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno

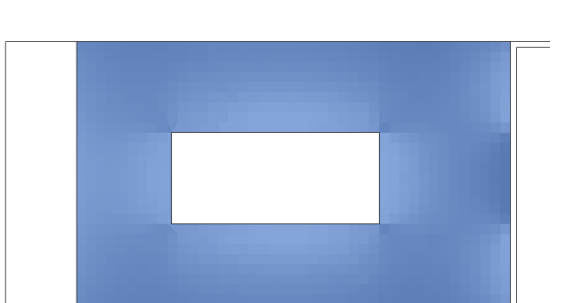
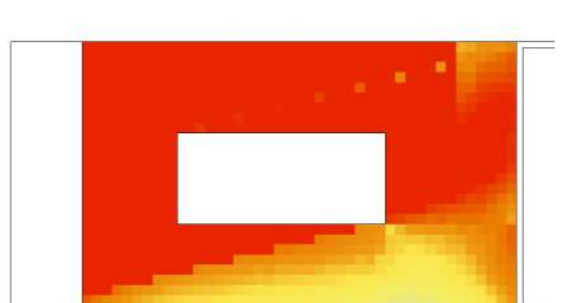
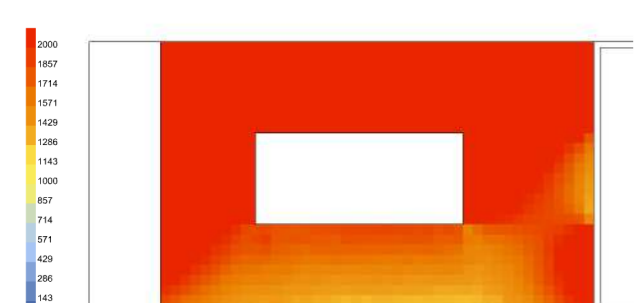
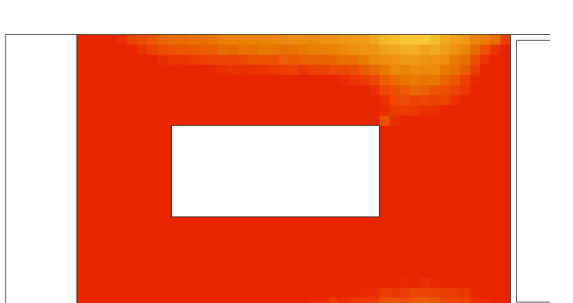
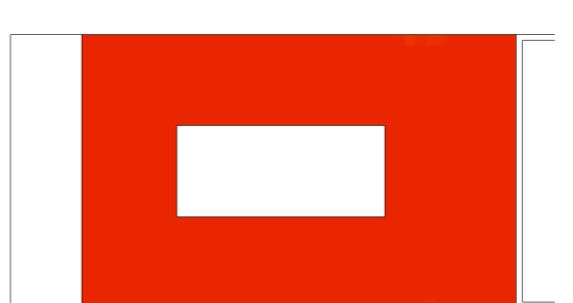
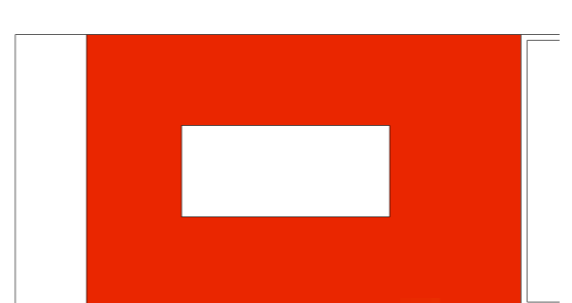
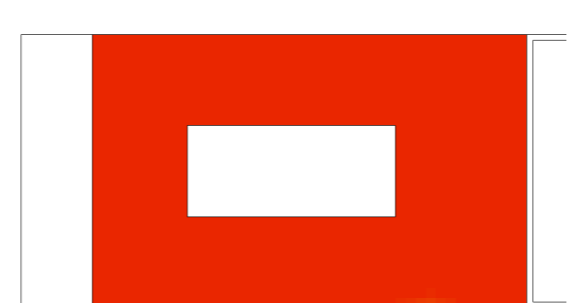
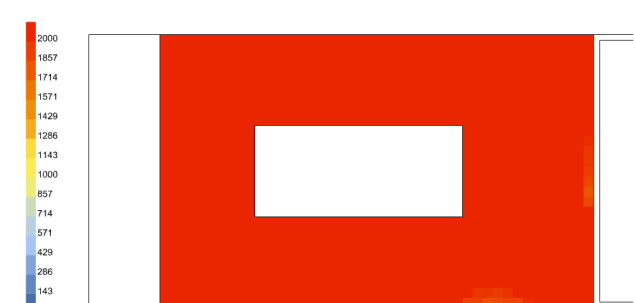
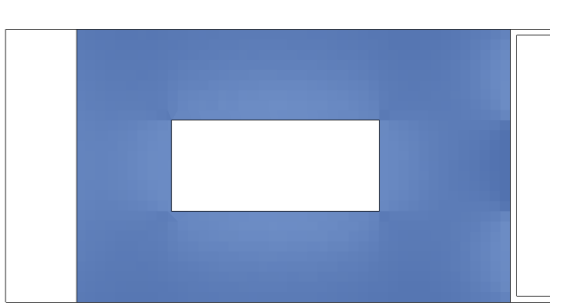
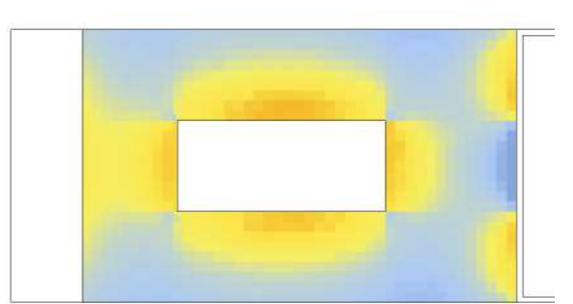
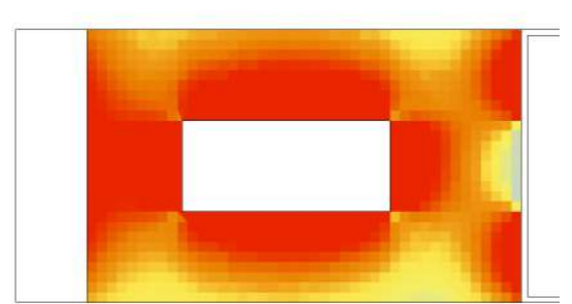
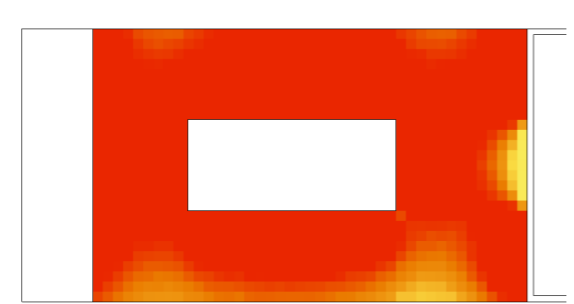
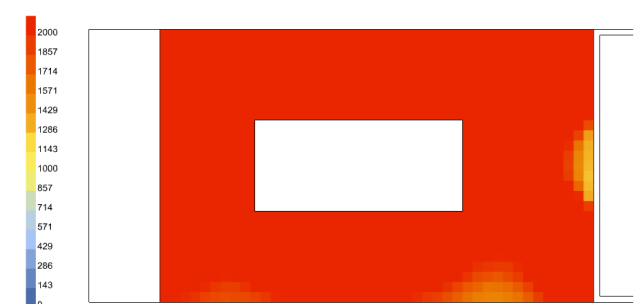
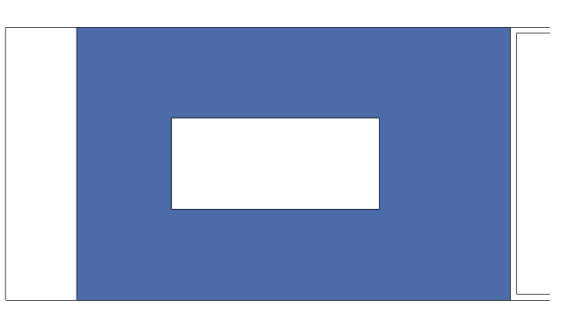
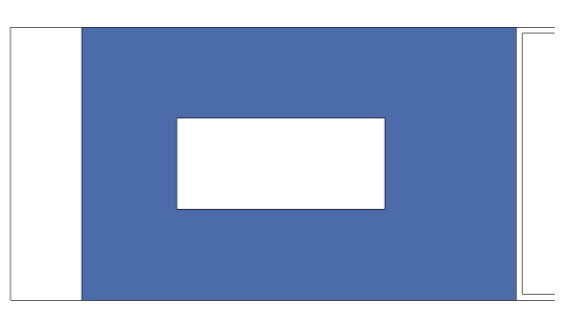
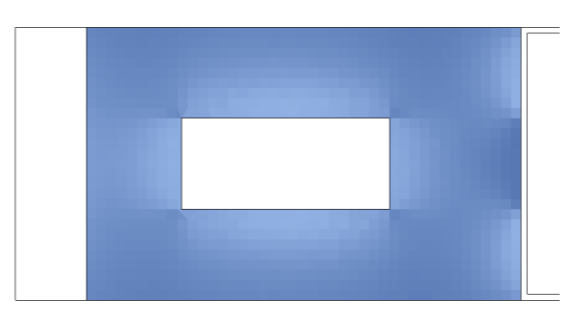
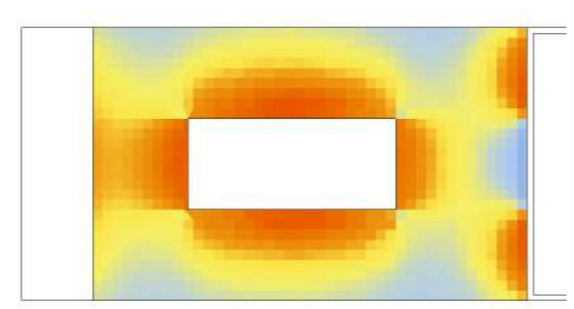
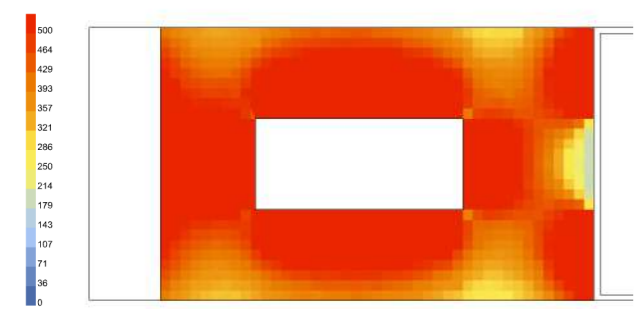
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



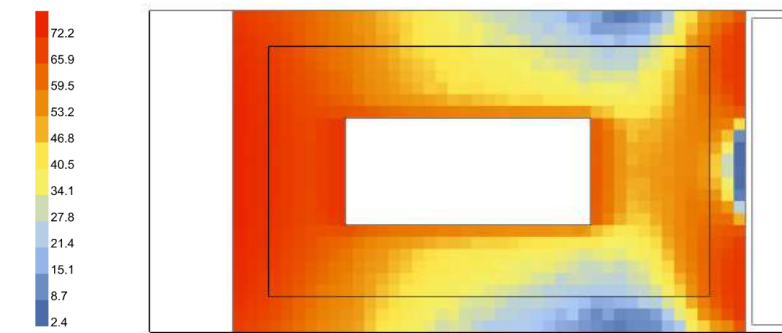
169 ANALISI ILLUMINOTECNICHE
APERTURA CENTRALE - P2



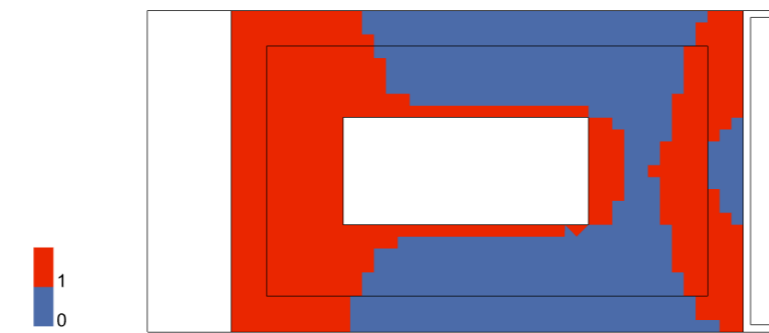
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

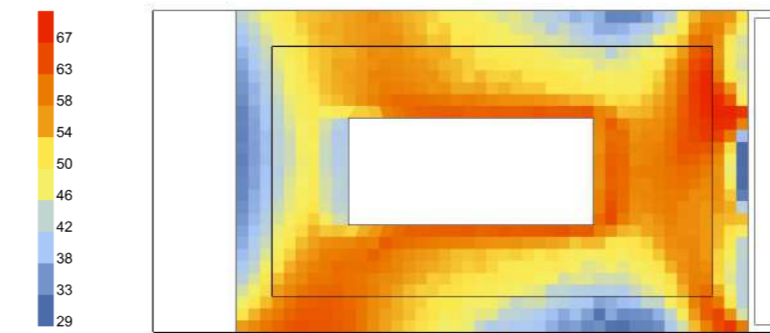
1. Daylight Autonomy (DA) - [%]



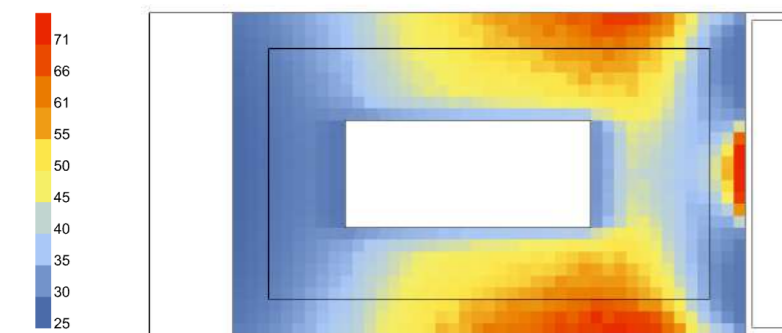
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



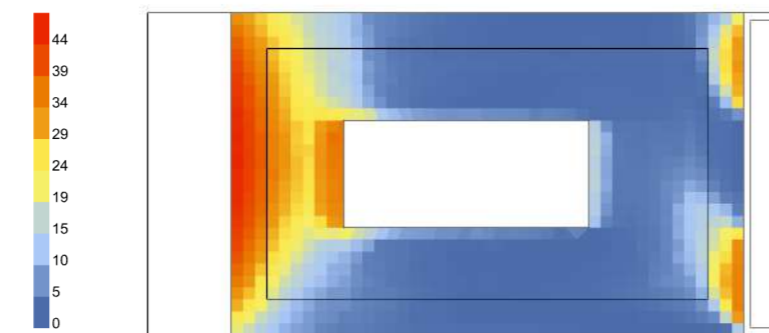
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

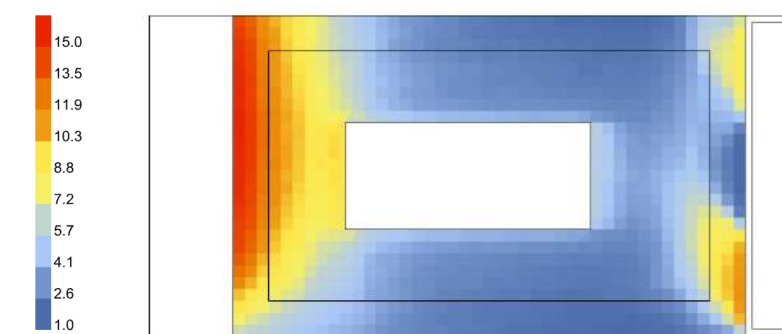


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

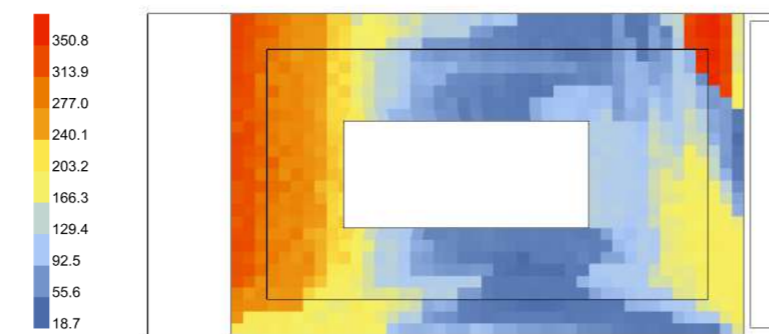


Annual Irradiance

1. Average Irradiance - [W/m²]

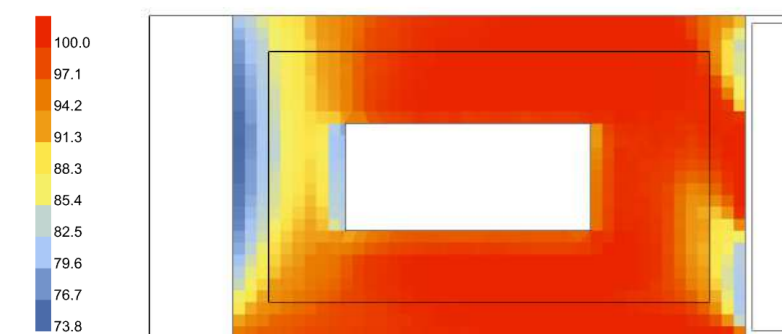


2. Peak Irradiance - [W/m²]



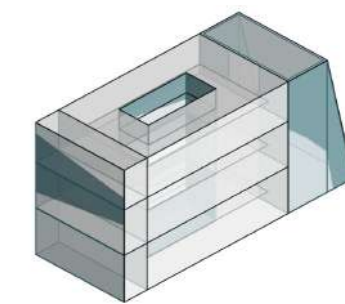
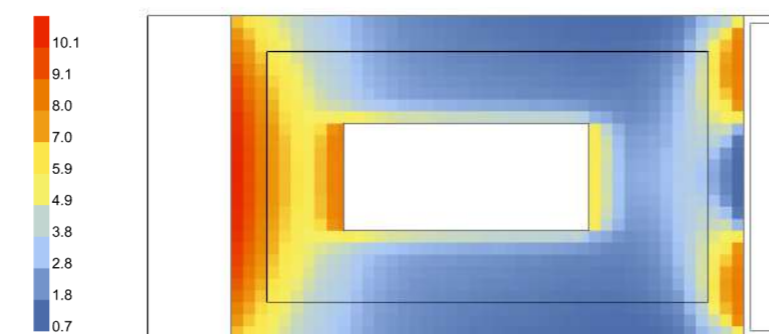
Annual Glare

1. Glare Autonomy (GA) - [%]

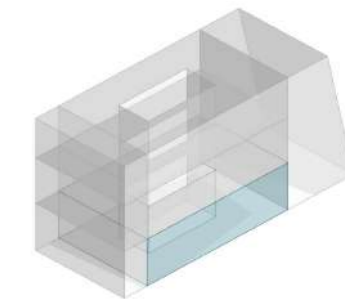


Daylight Factor

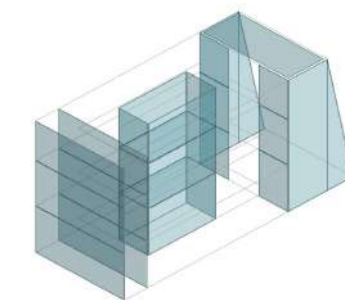
[%]



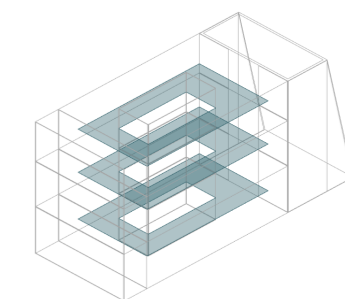
1. Modello Rhino



2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti

170 ANALISI ILLUMINOTECNICHE
SOPPALCO - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

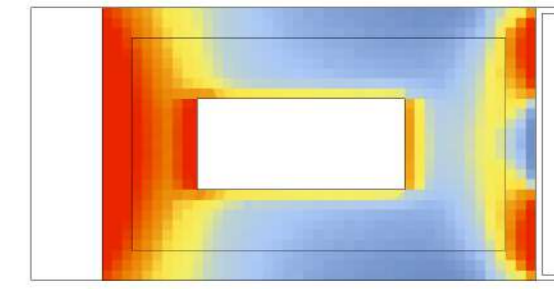
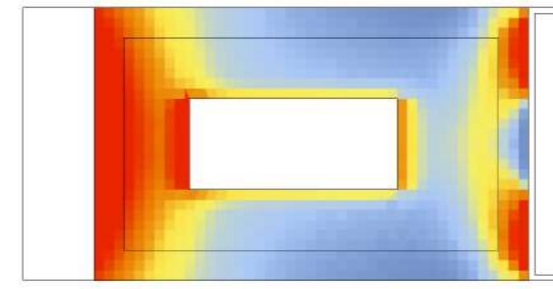
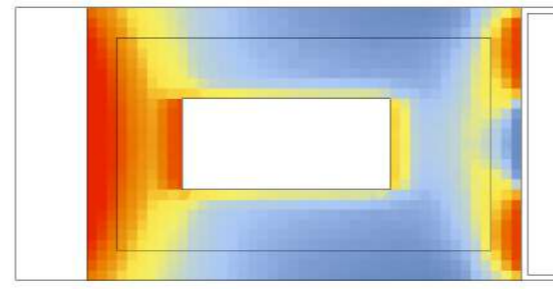
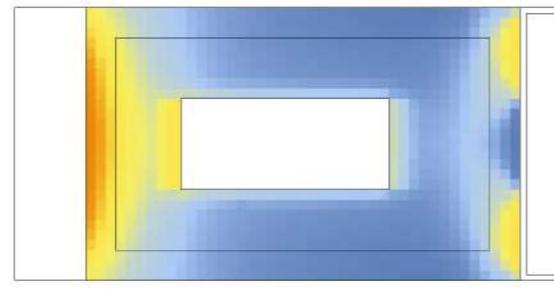
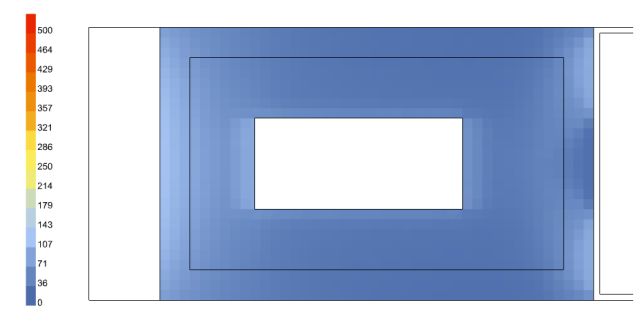
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



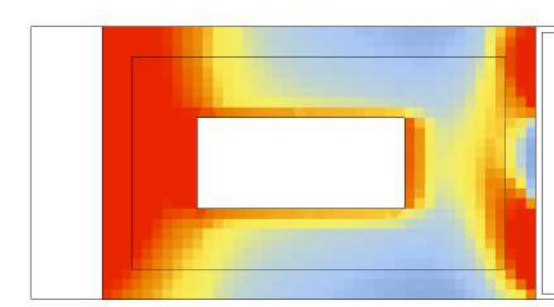
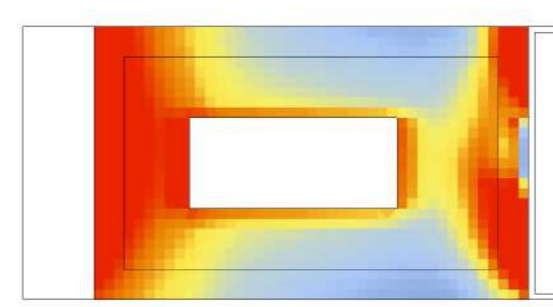
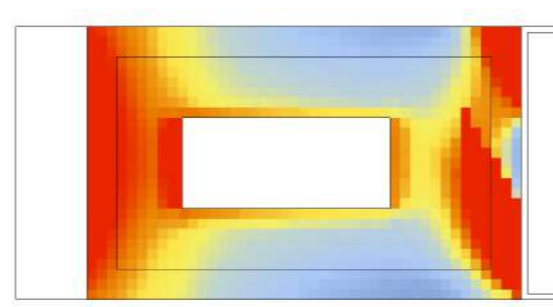
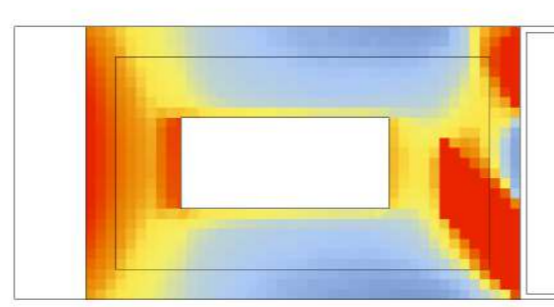
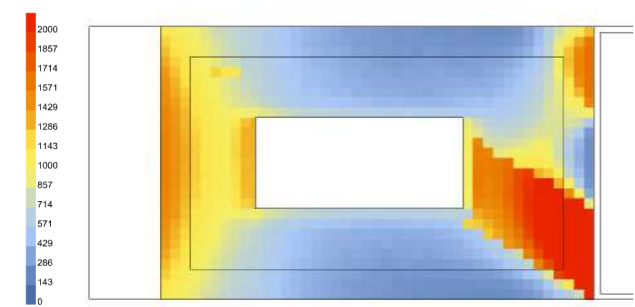
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



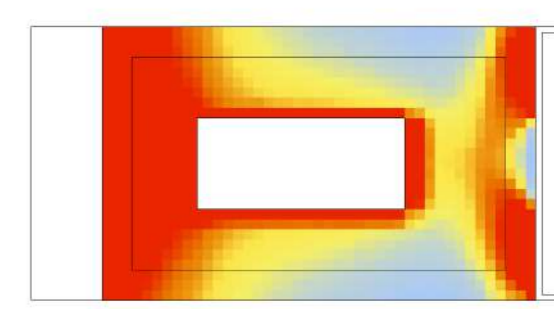
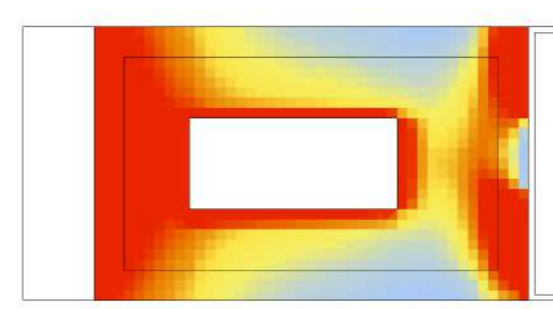
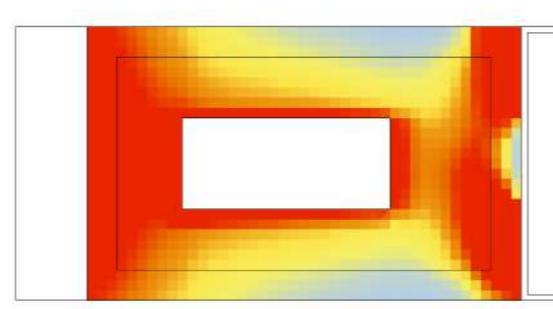
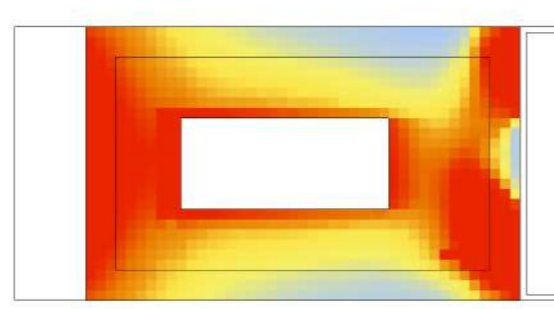
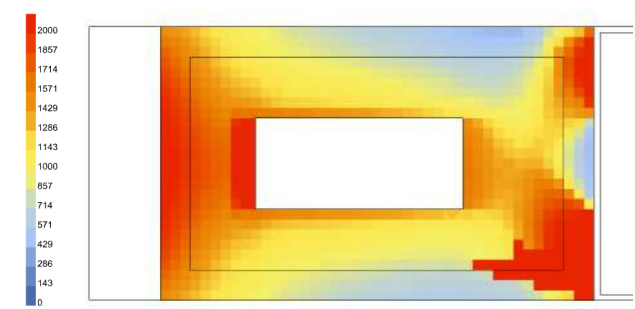
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



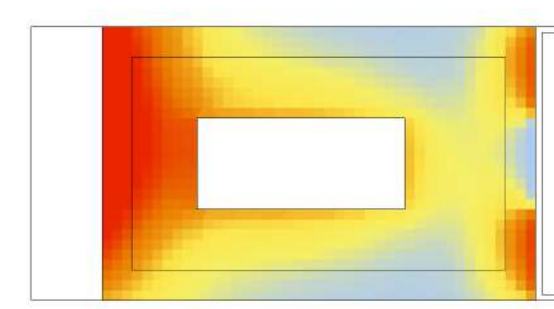
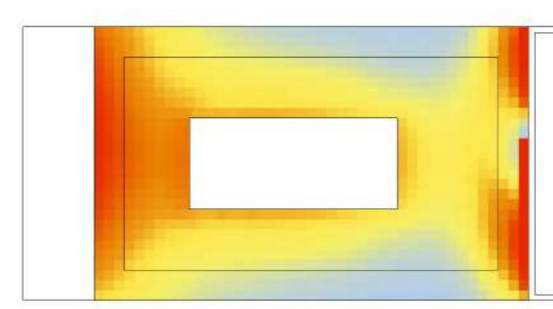
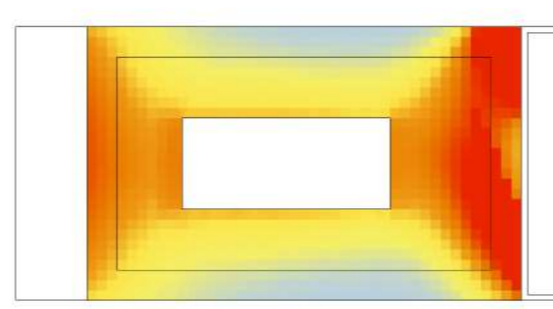
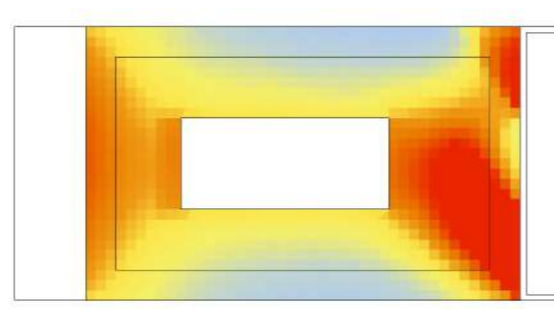
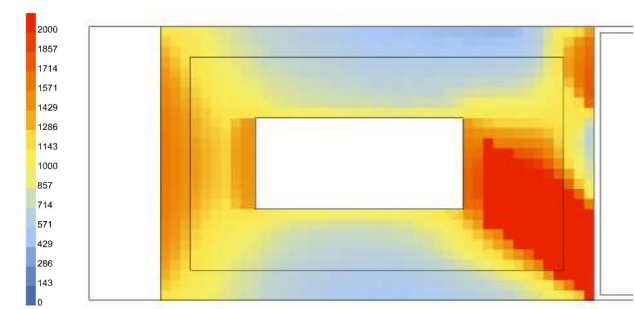
23 Settembre

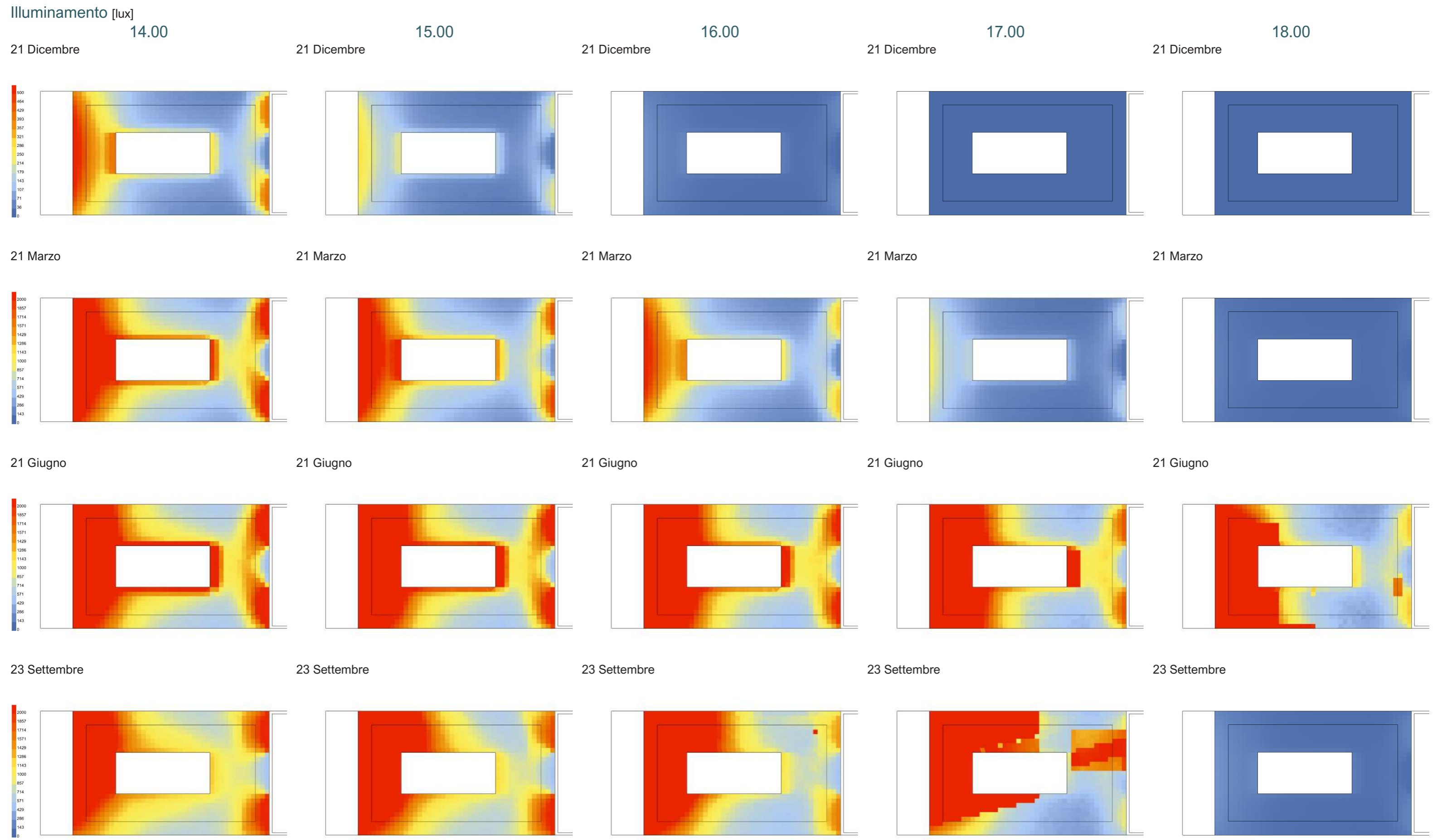
23 Settembre

23 Settembre

23 Settembre

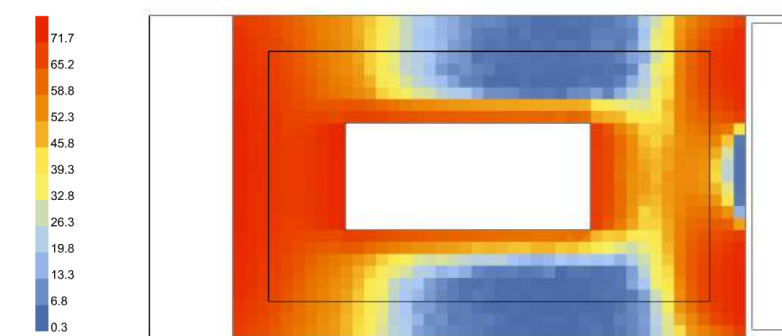
23 Settembre



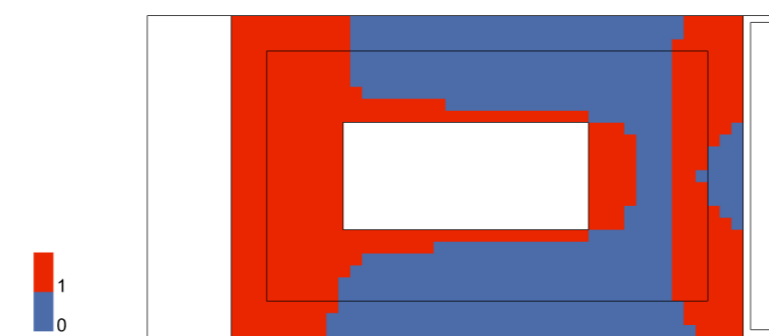


Annual Daylight

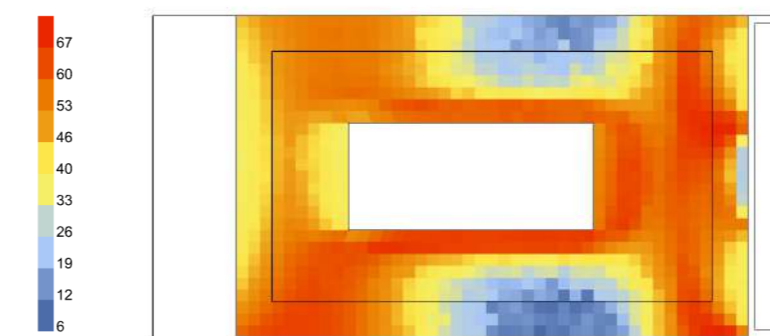
1. Daylight Autonomy (DA) - [%]



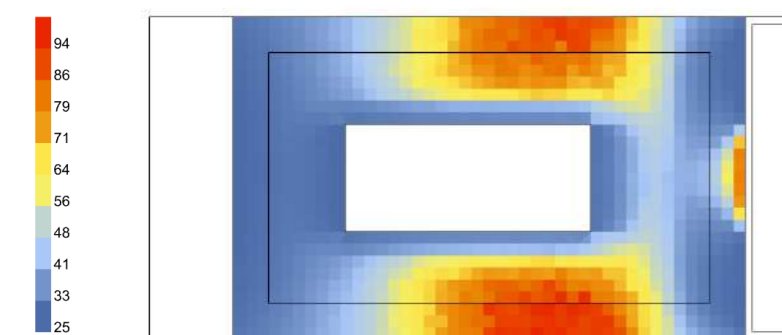
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



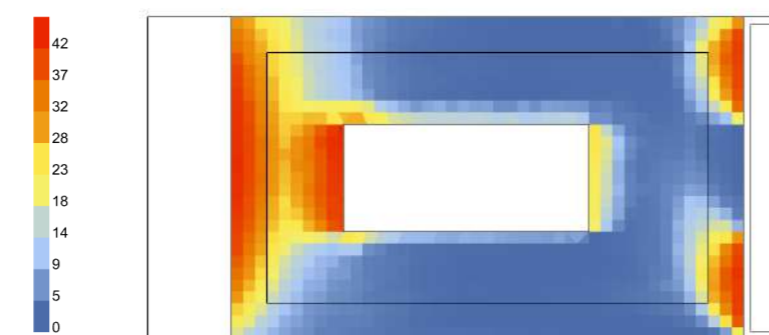
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

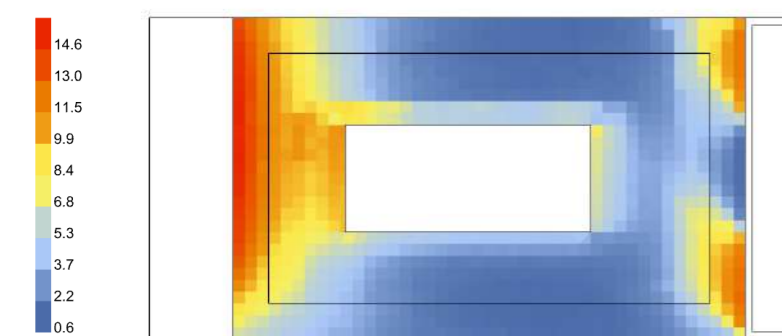


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

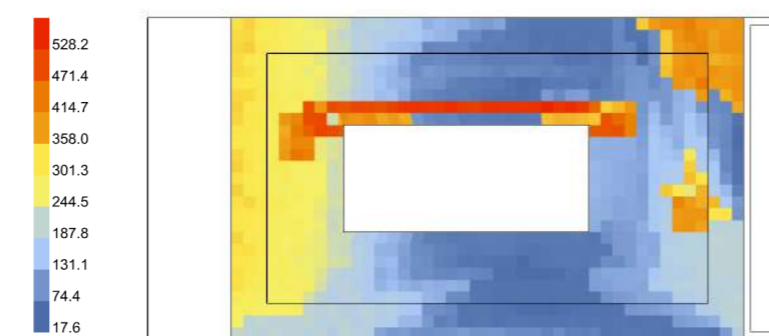


Annual Irradiance

1. Average Irradiance - [W/m²]

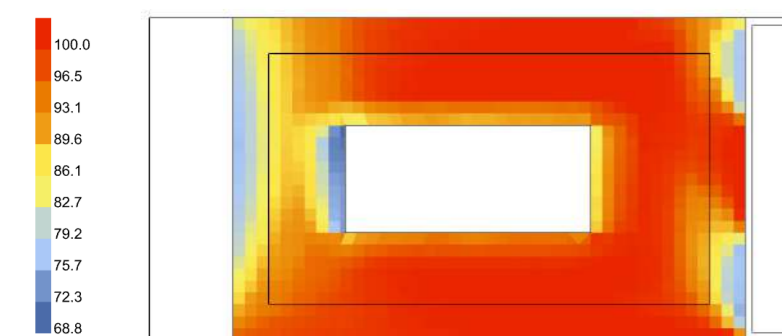


2. Peak Irradiance - [W/m²]



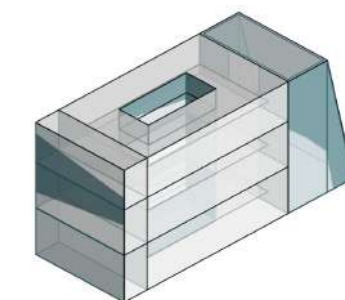
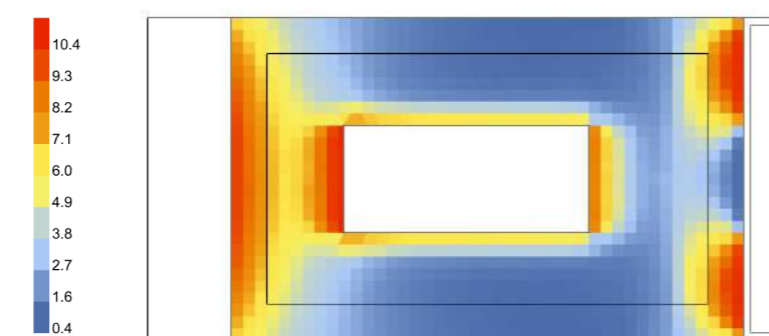
Annual Glare

1. Glare Autonomy (GA) - [%]

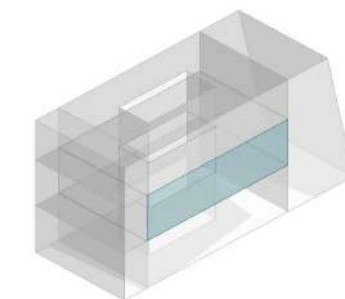


Daylight Factor

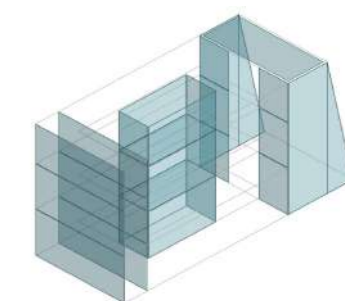
[%]



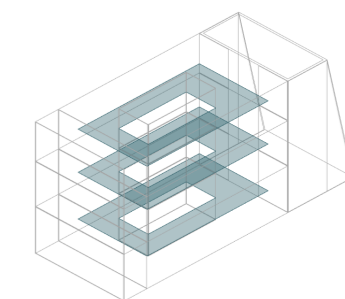
1. Modello Rhino



2. Modello HB Piano Primo Uffici 21,5x13,5m Altezza 6,4 m



3. Modello HB Aperture Trasmittanza luminosa = 0,8 (interne,esterne) = 0,7 (esterna,LSC)



4. Modello HB Soppalco PT: altezza 3,10 m P1: altezza 3,10 m P2: altezza 2,80 m

5. Modello HB Schermature Assenti

6. Modello HB Moduli PTFE Assenti

173 ANALISI ILLUMINOTECNICHE
SOPPALCO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

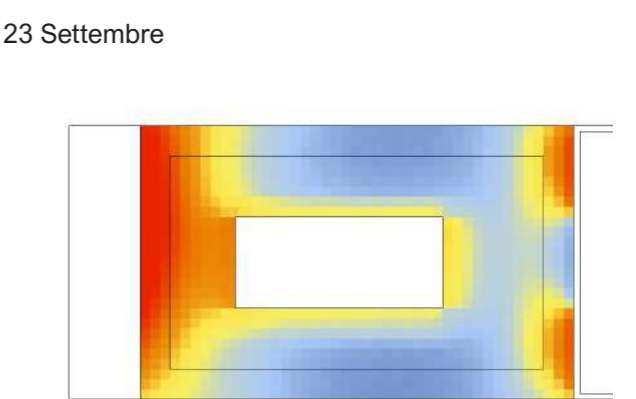
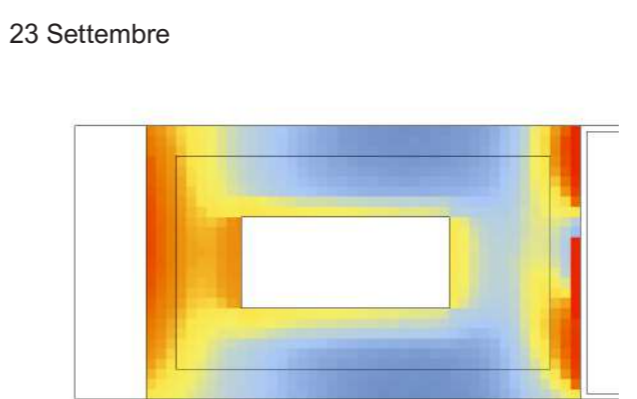
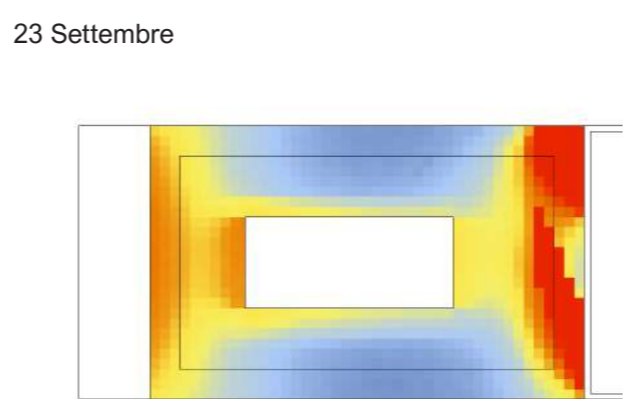
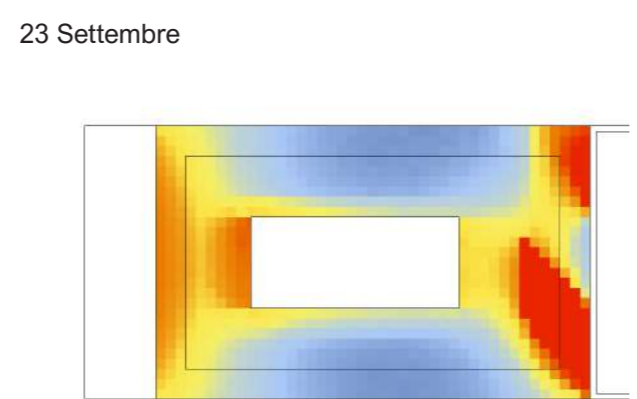
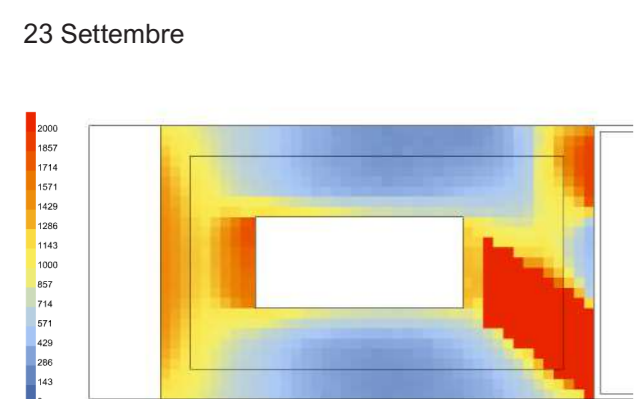
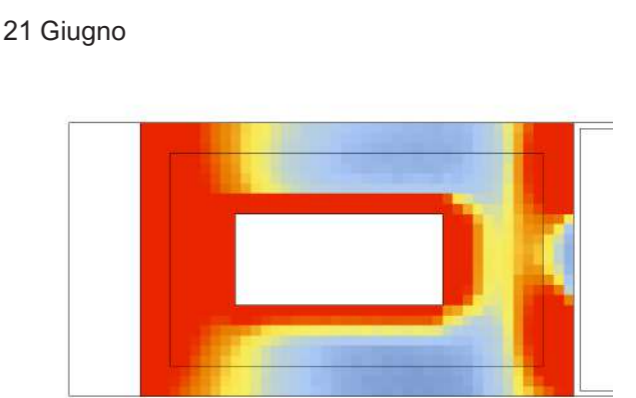
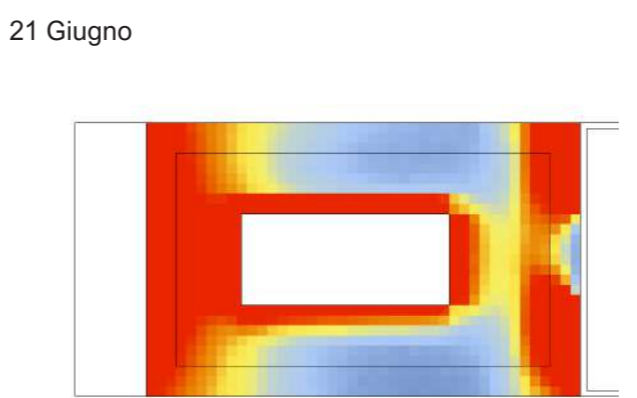
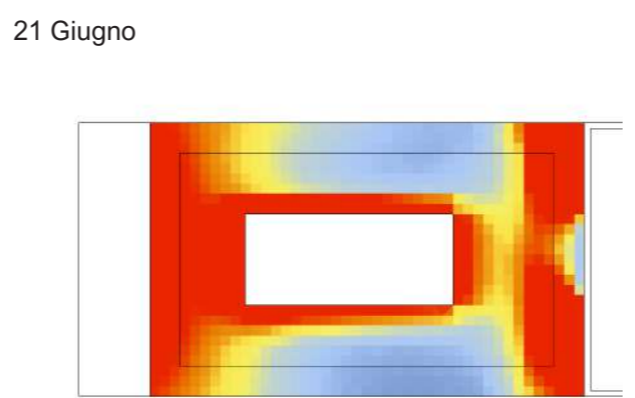
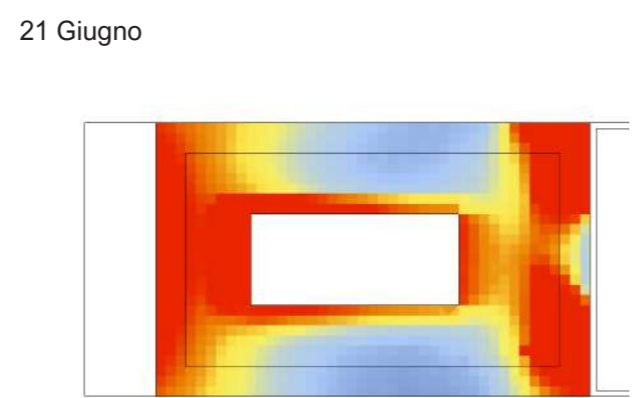
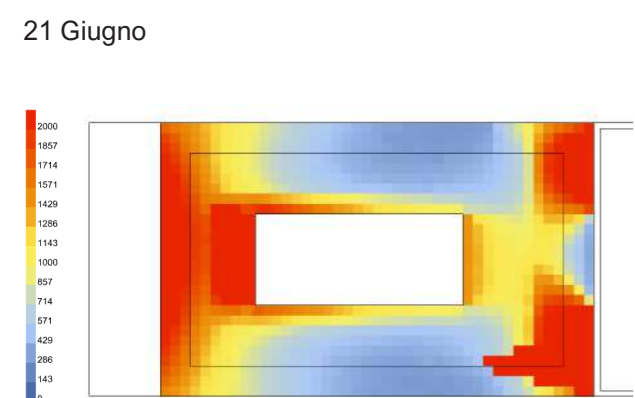
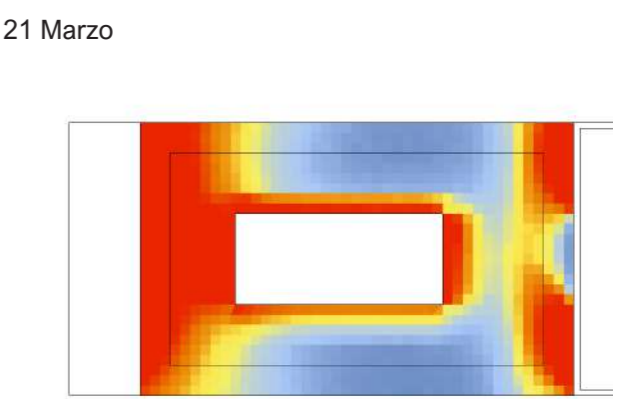
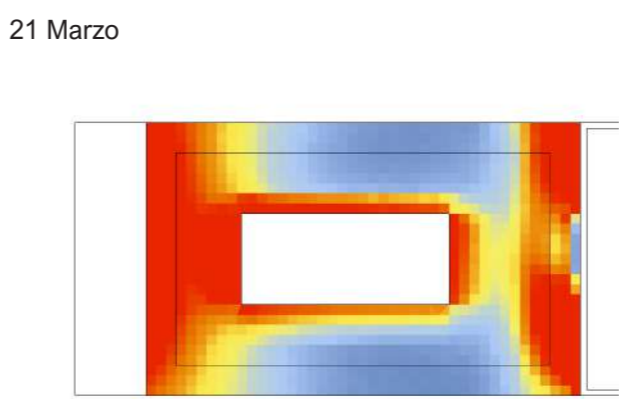
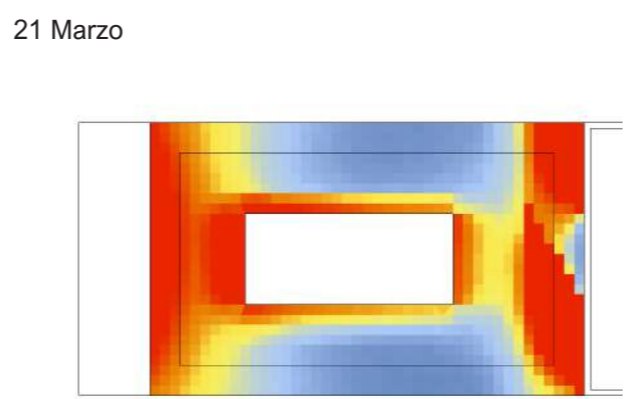
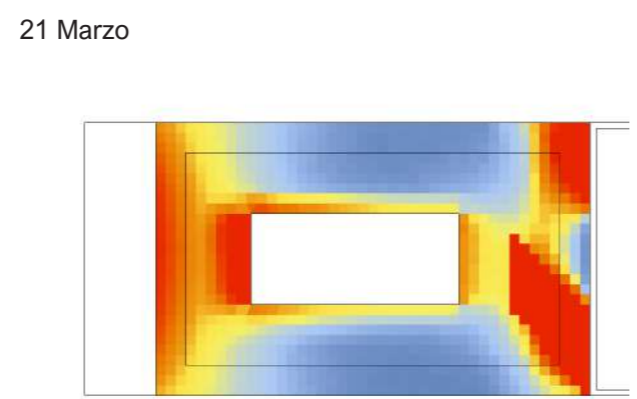
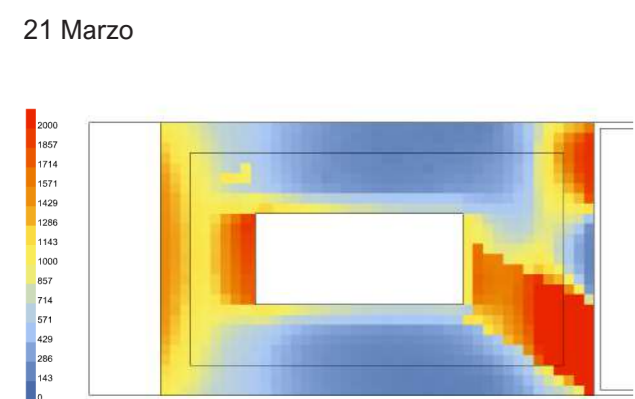
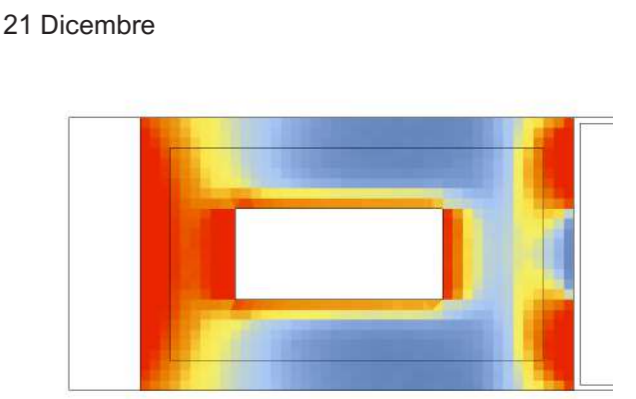
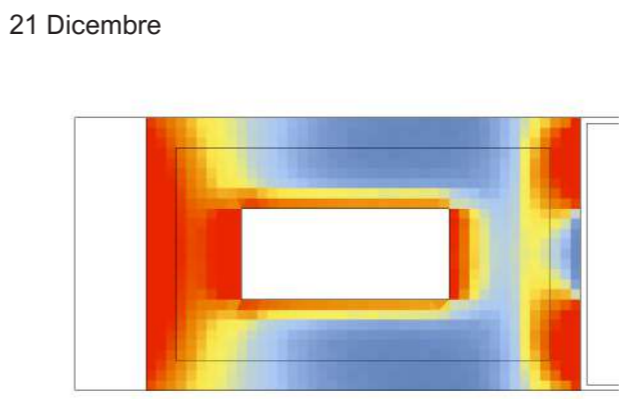
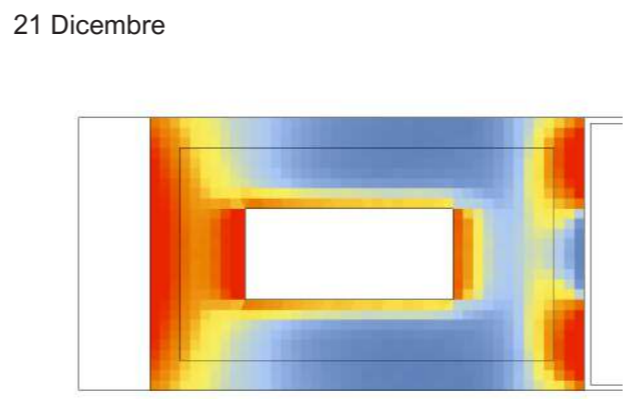
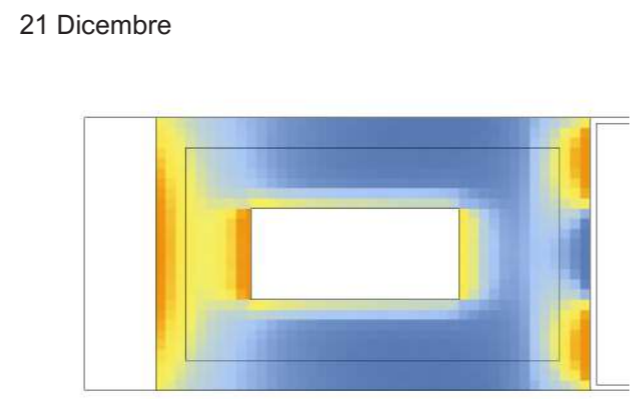
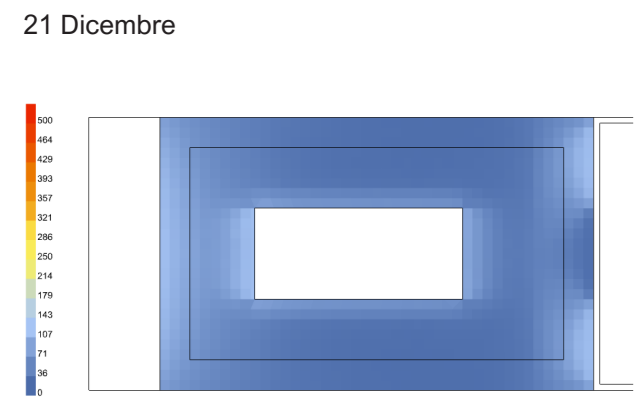
9.00

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Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

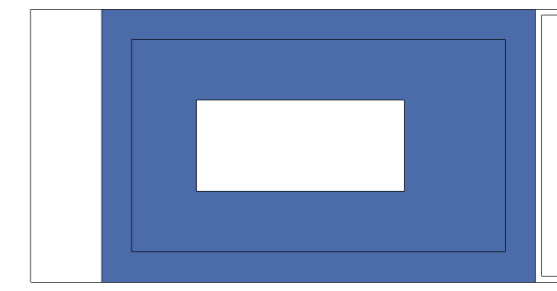
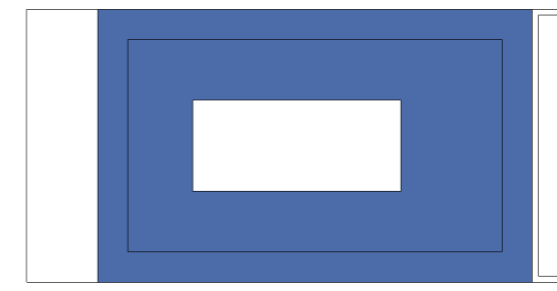
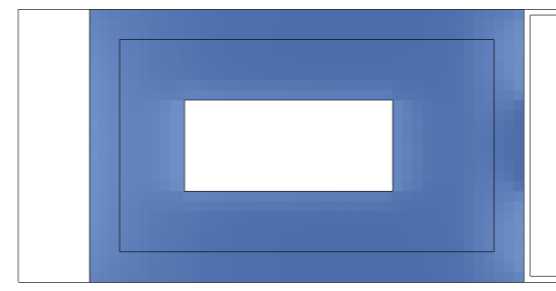
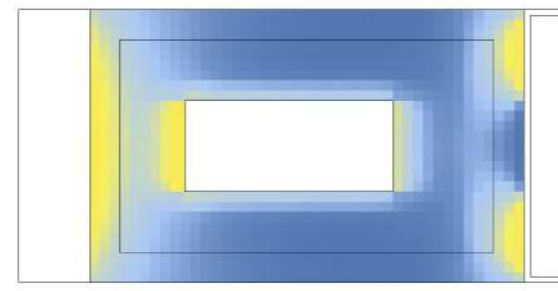
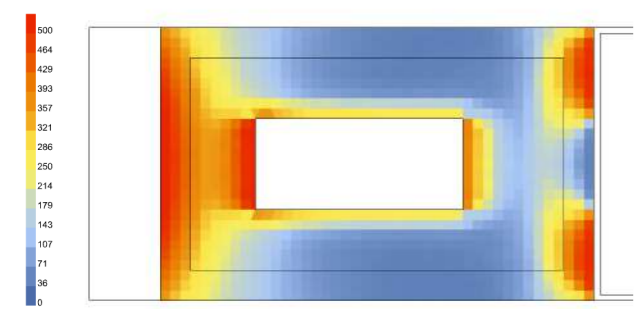
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



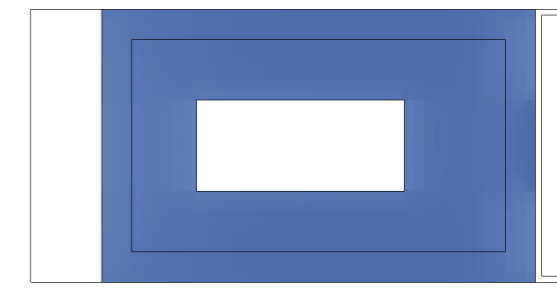
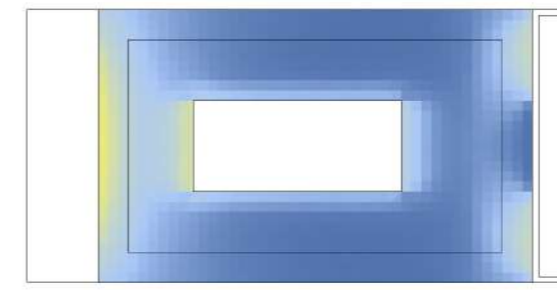
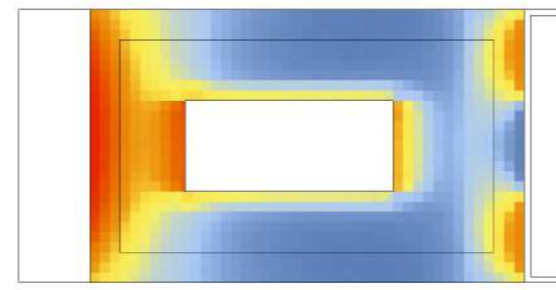
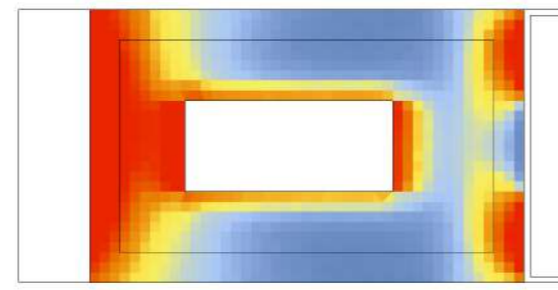
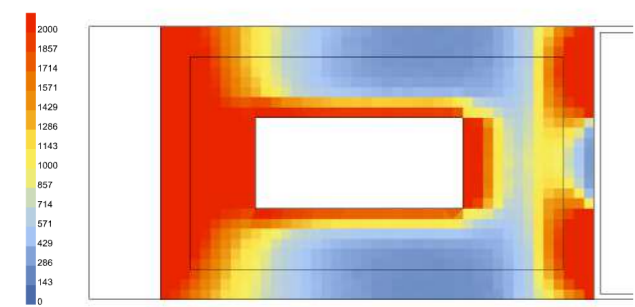
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



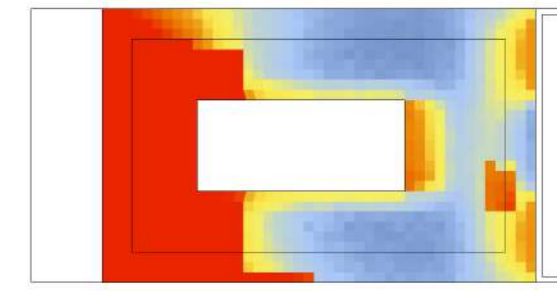
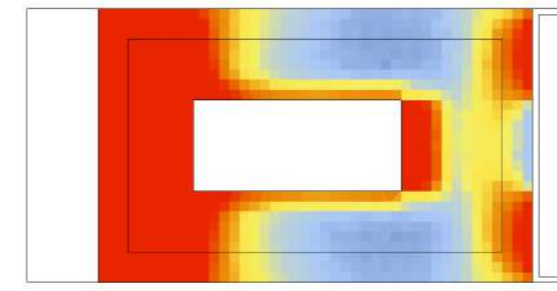
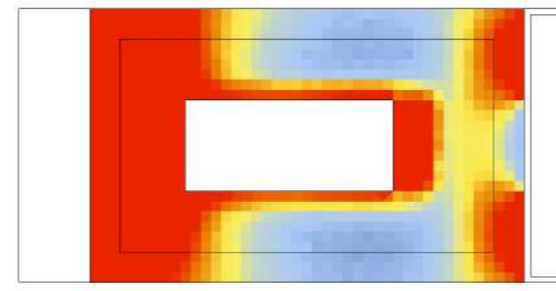
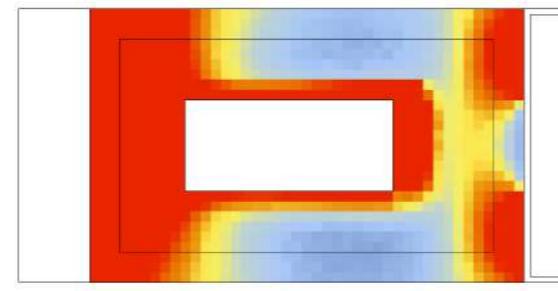
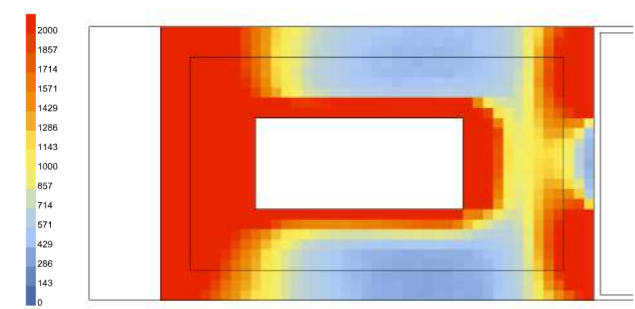
21 Giugno

21 Giugno

21 Giugno

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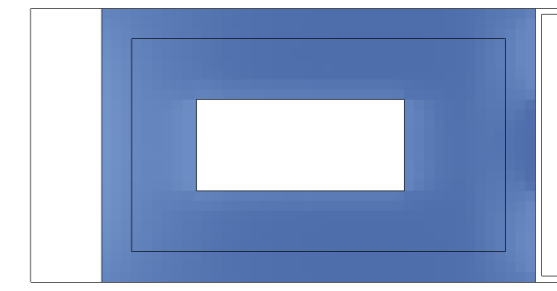
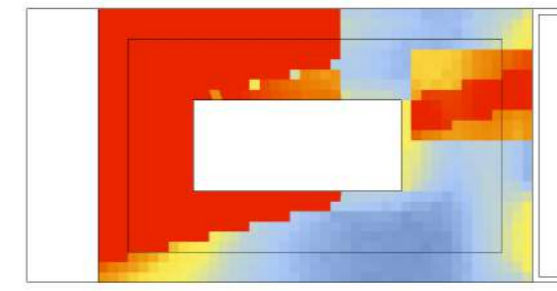
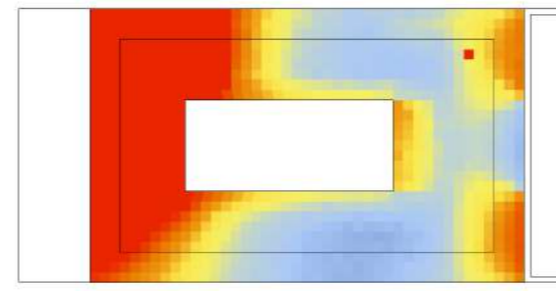
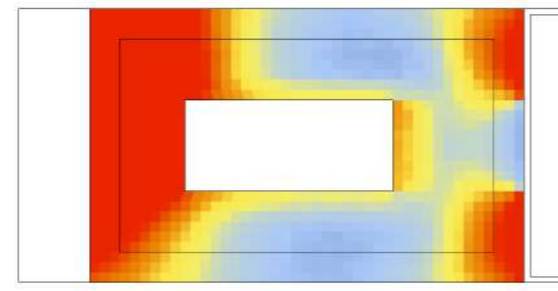
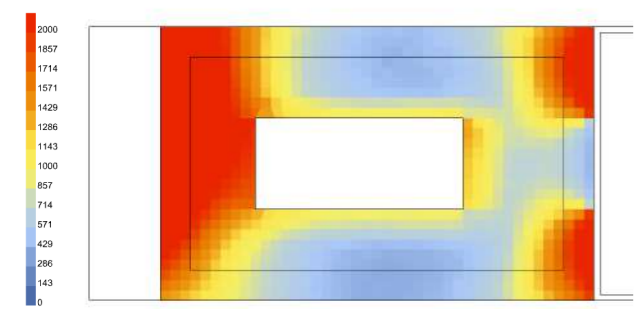
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



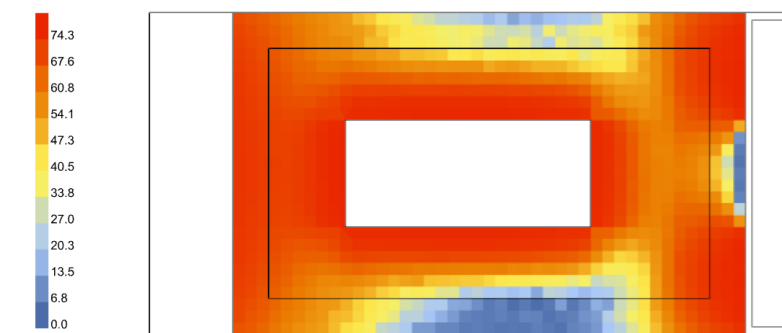
175 ANALISI ILLUMINOTECNICHE
SOPPALCO - P1



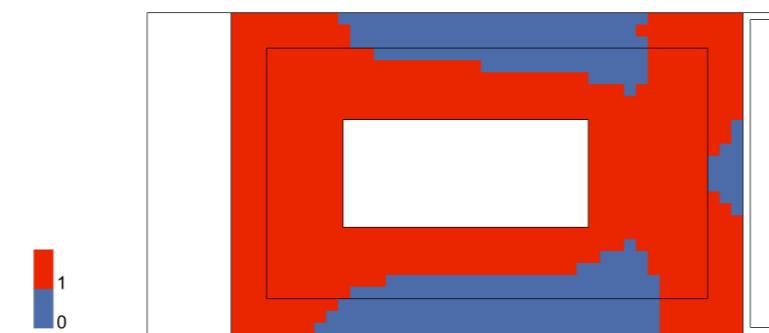
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

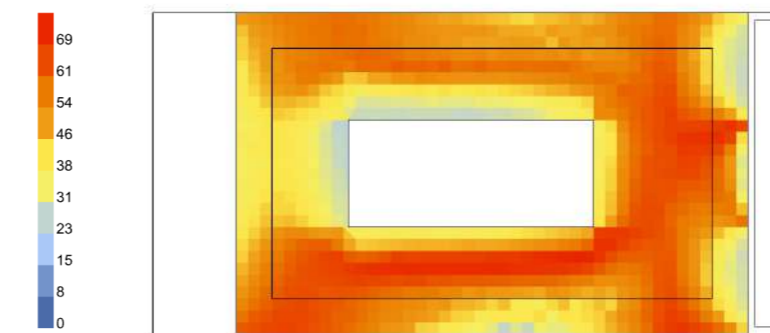
1. Daylight Autonomy (DA) - [%]



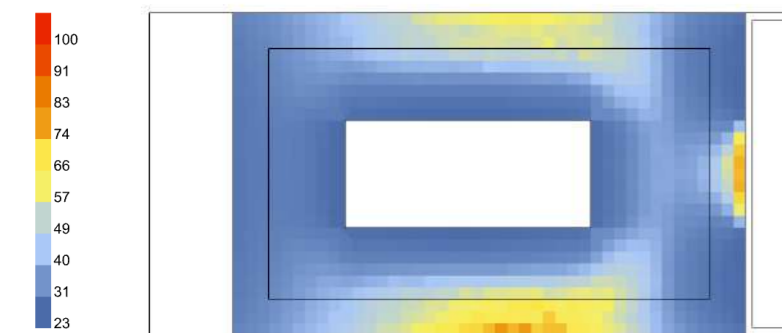
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



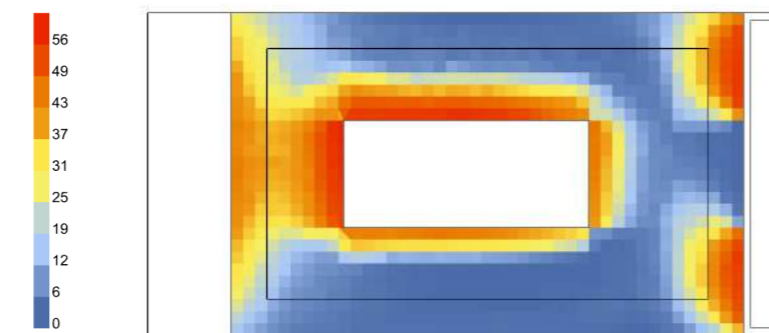
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

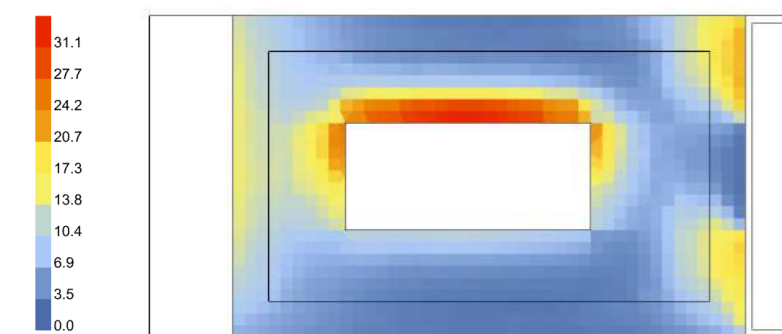


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

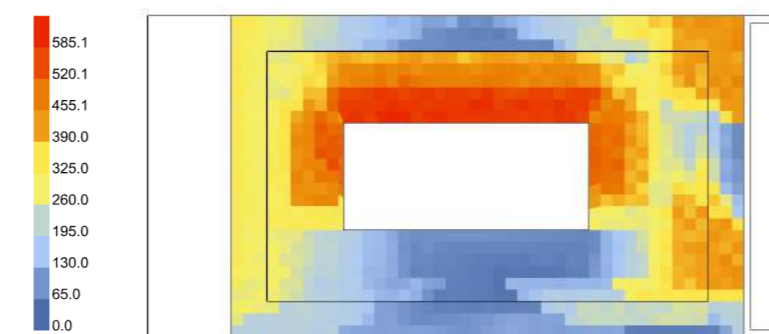


Annual Irradiance

1. Average Irradiance - [W/m²]

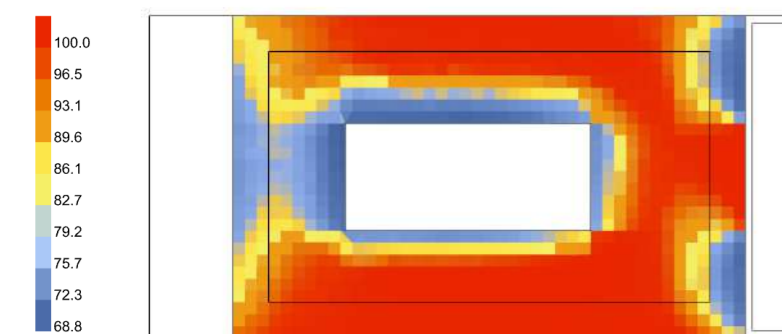


2. Peak Irradiance - [W/m²]



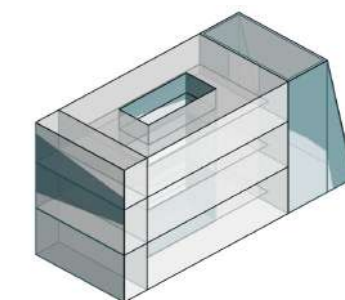
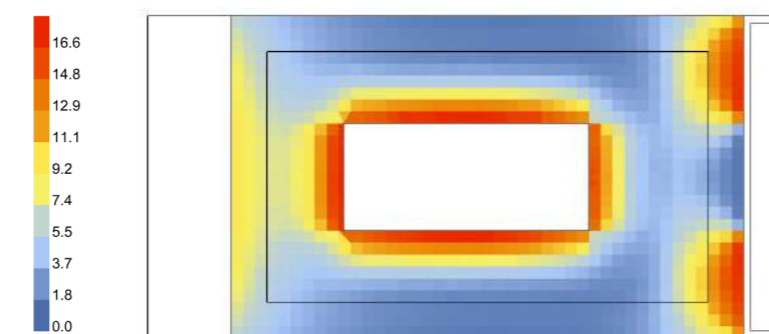
Annual Glare

1. Glare Autonomy (GA) - [%]

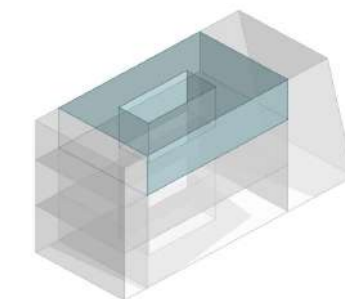


Daylight Factor

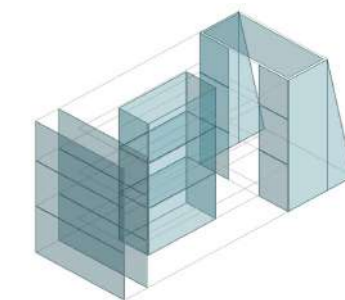
[%]



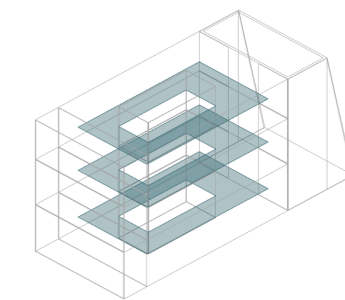
1. Modello Rhino



2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m

5. Modello HB
Schermature
Assenti

6. Modello HB
Moduli PTFE
Assenti

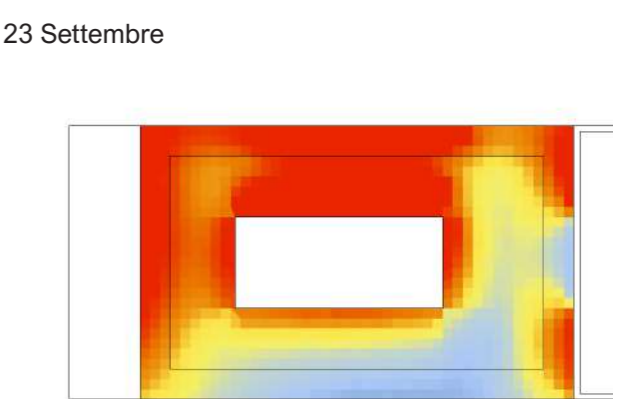
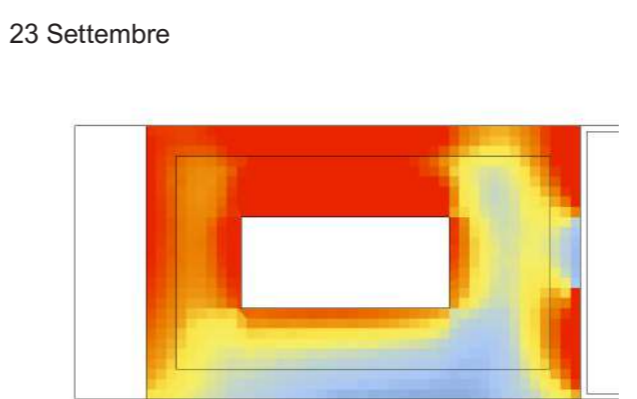
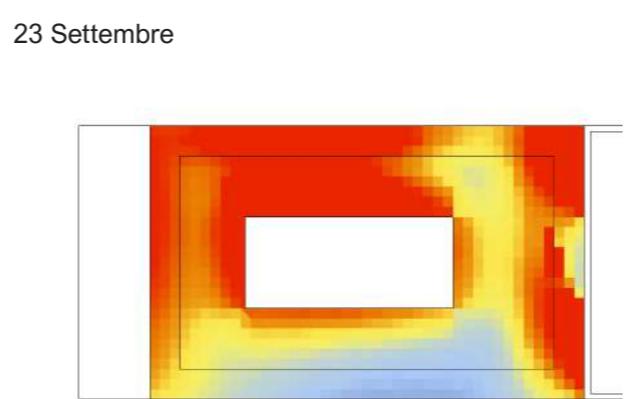
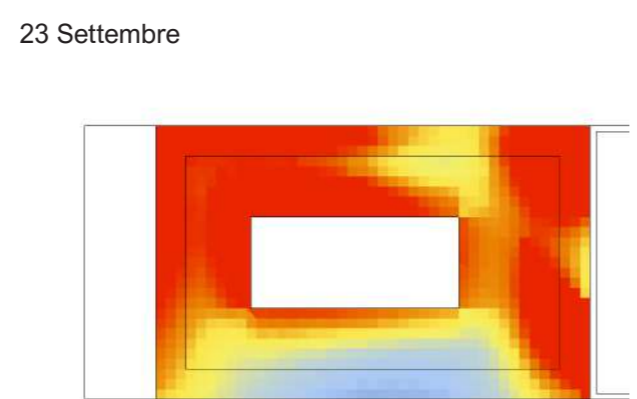
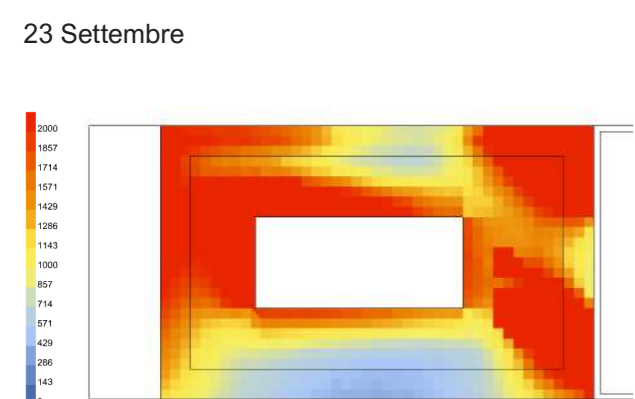
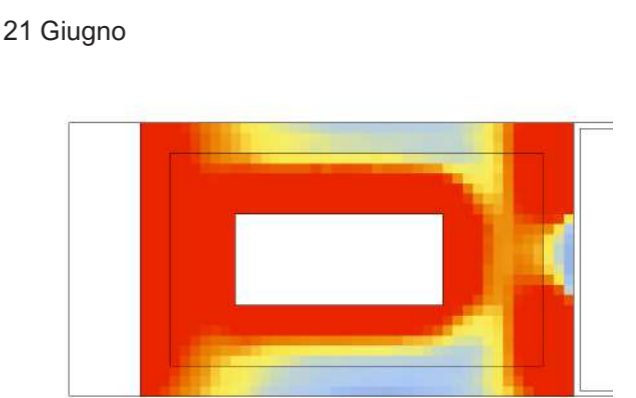
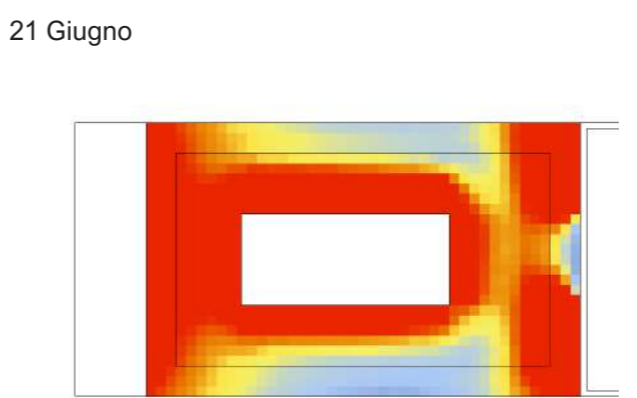
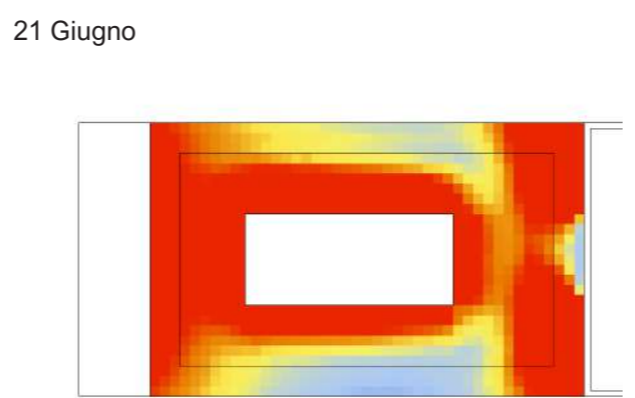
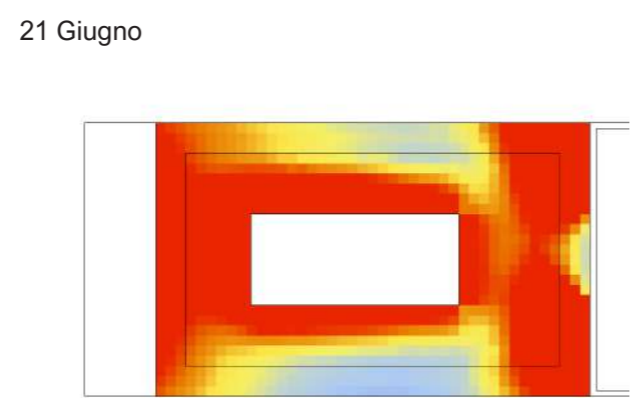
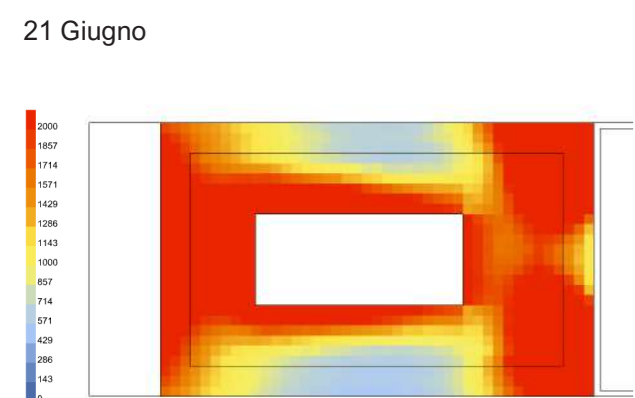
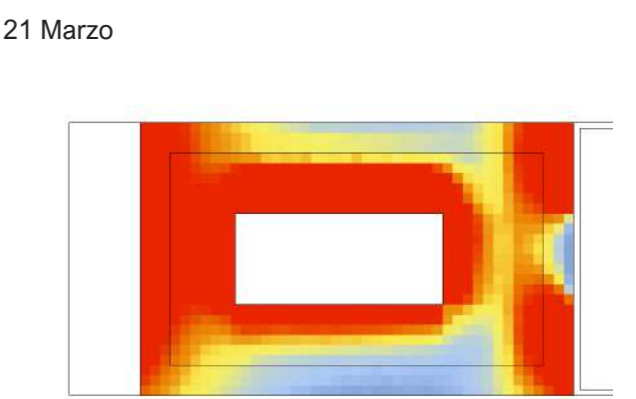
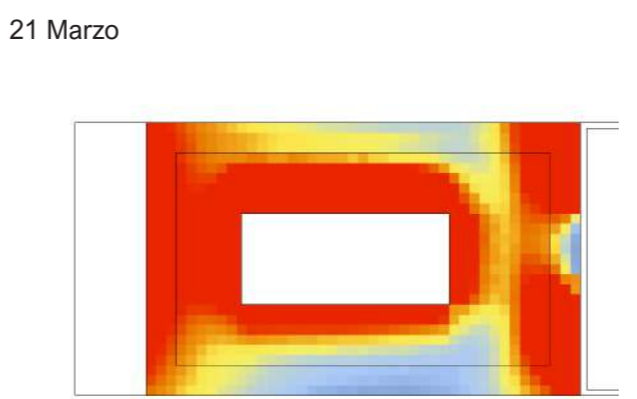
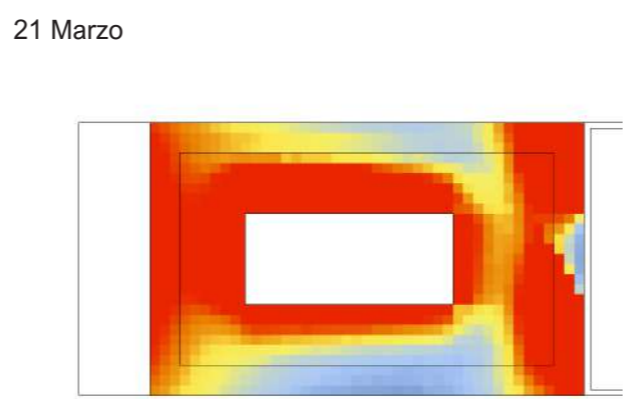
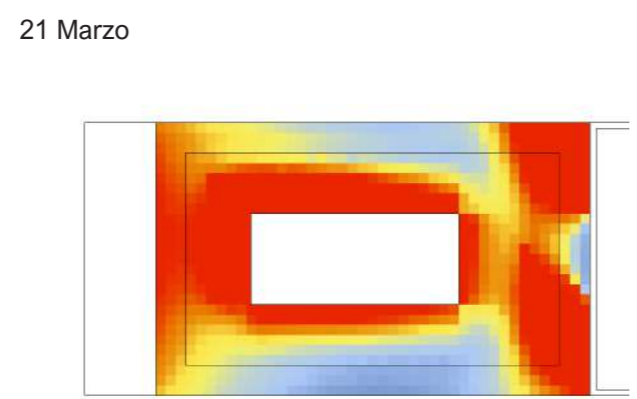
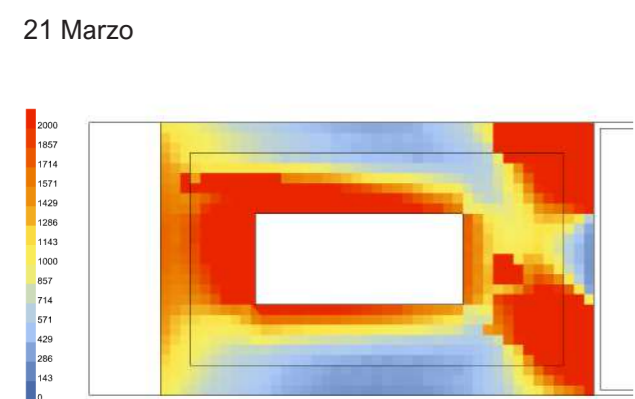
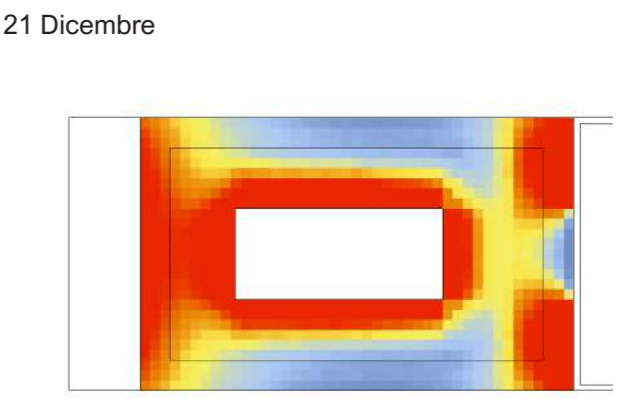
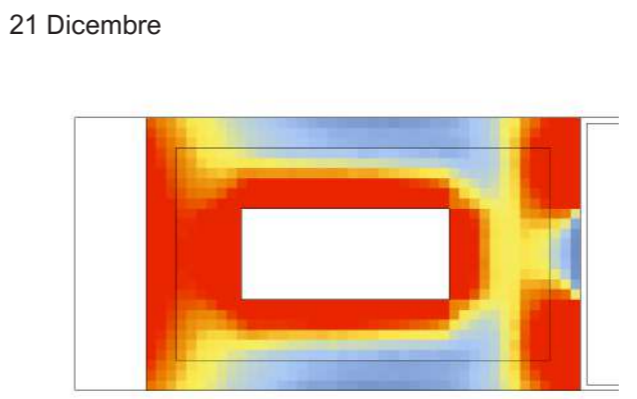
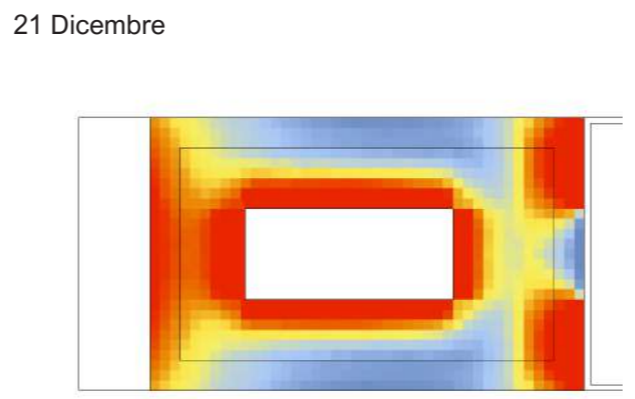
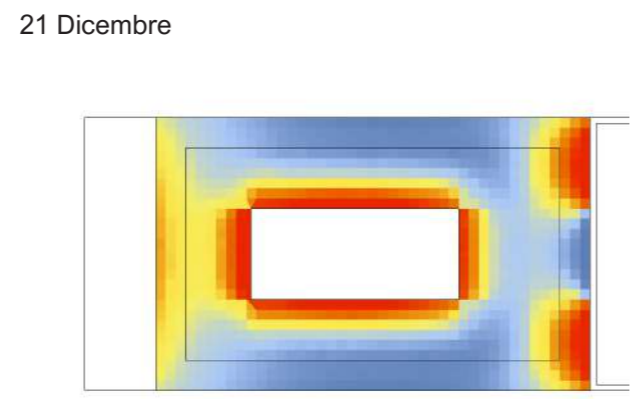
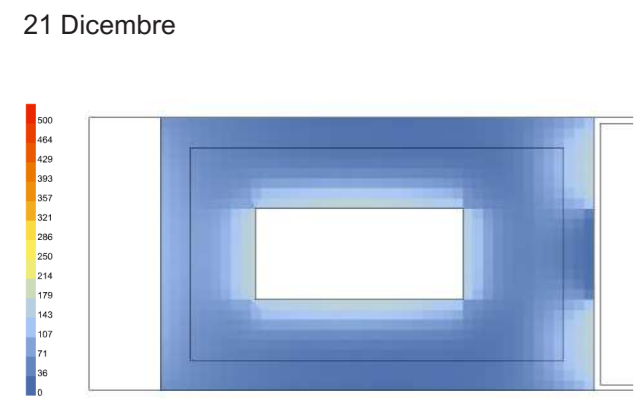
9.00

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13.00



Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

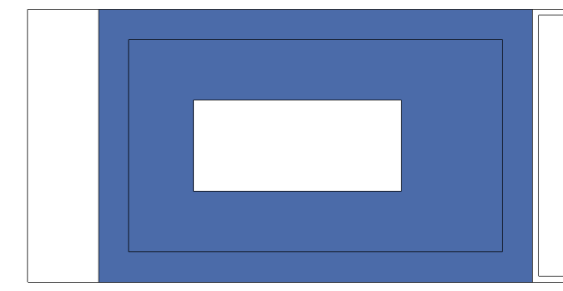
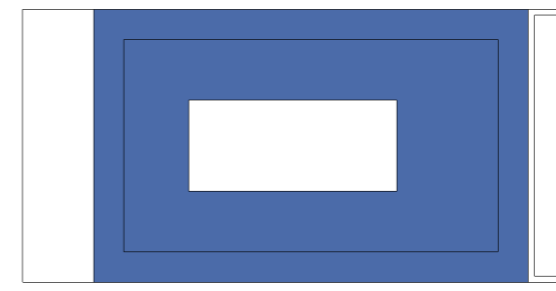
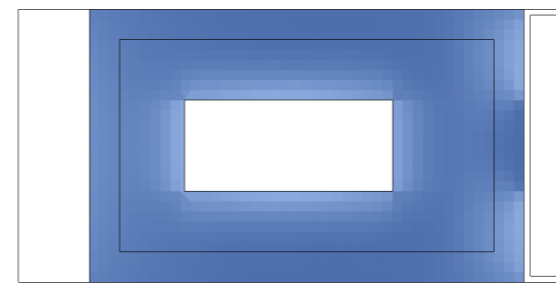
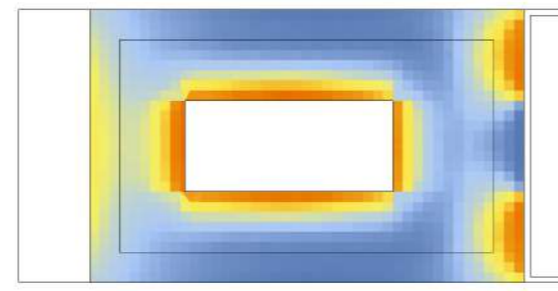
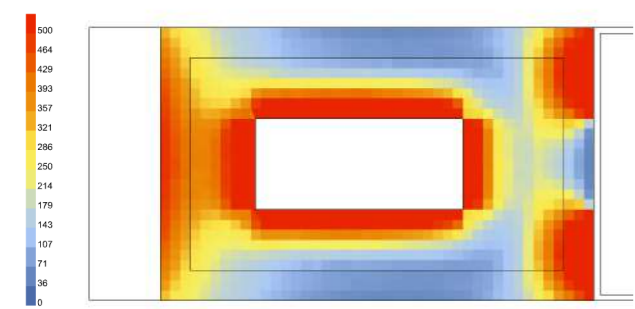
21 Dicembre

21 Dicembre

21 Dicembre

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21 Dicembre



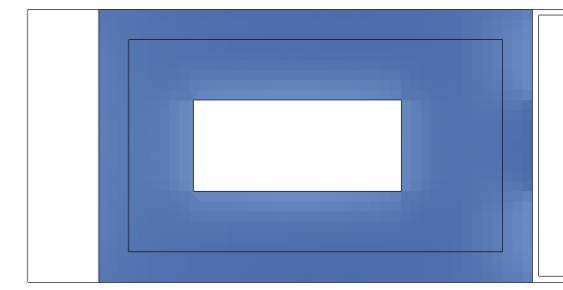
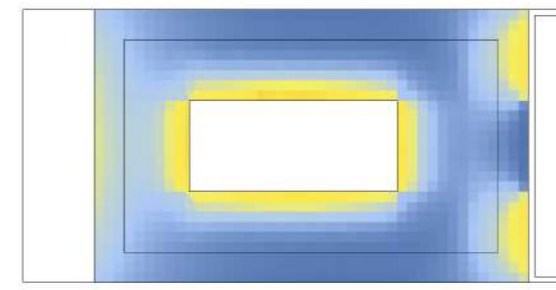
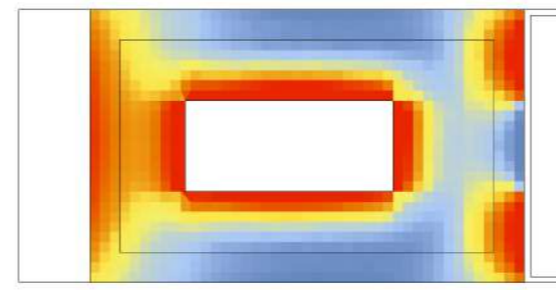
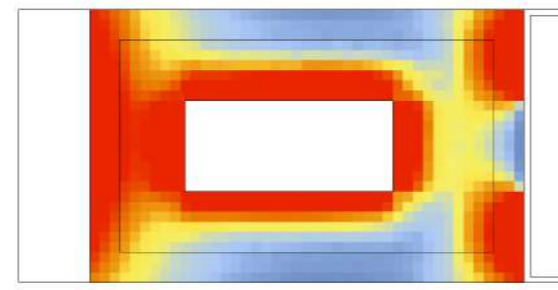
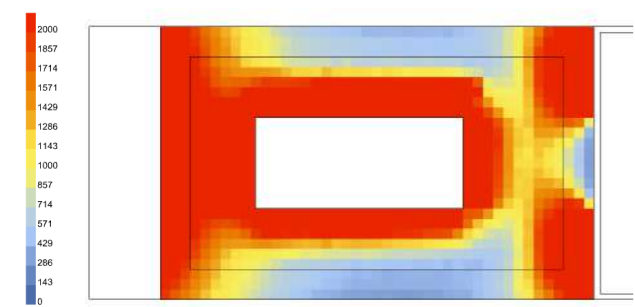
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



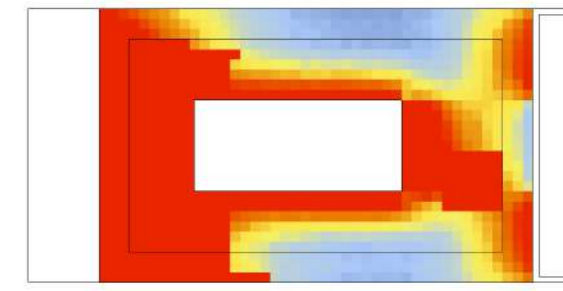
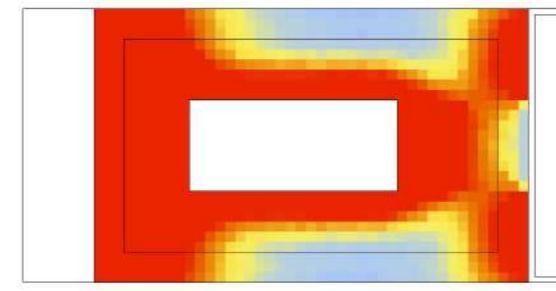
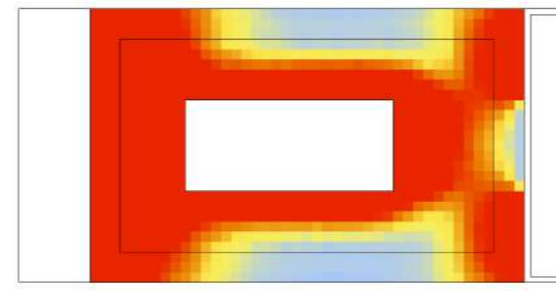
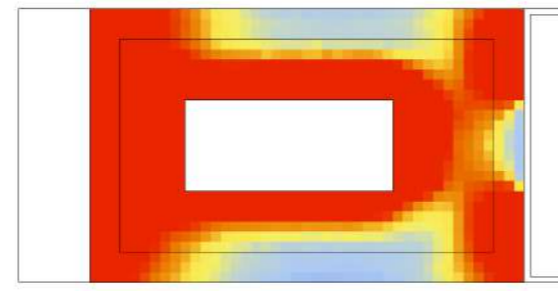
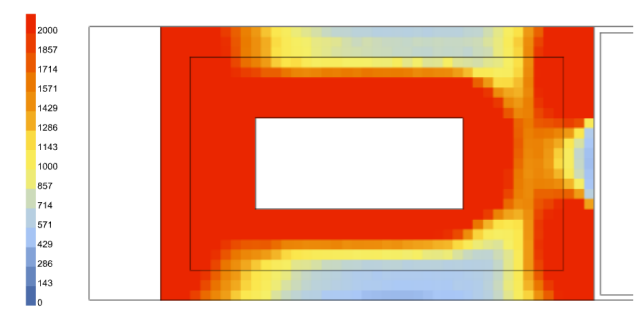
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



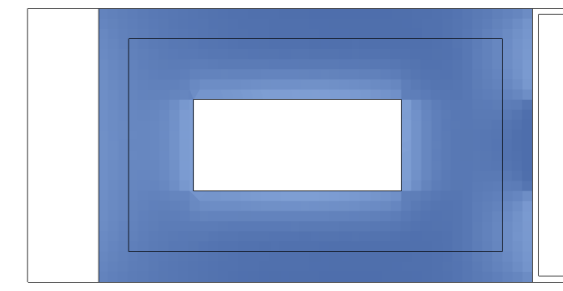
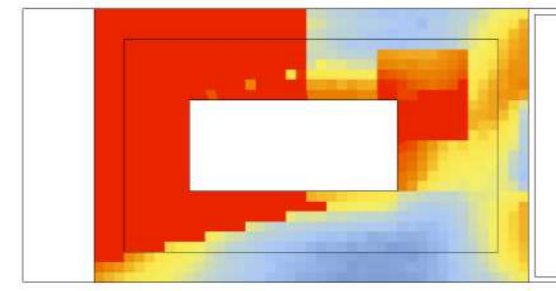
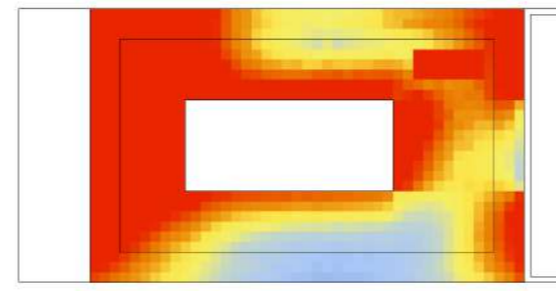
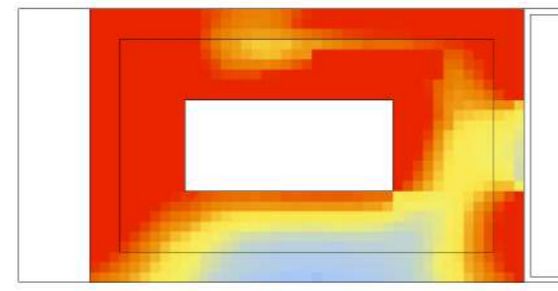
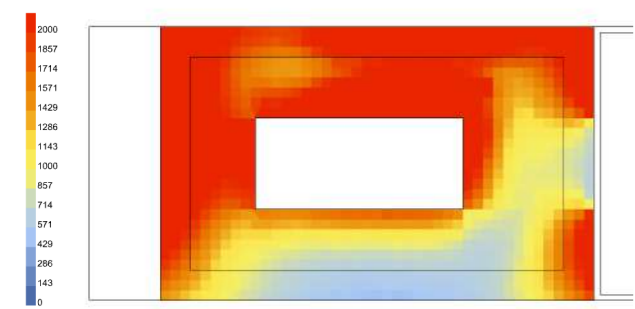
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



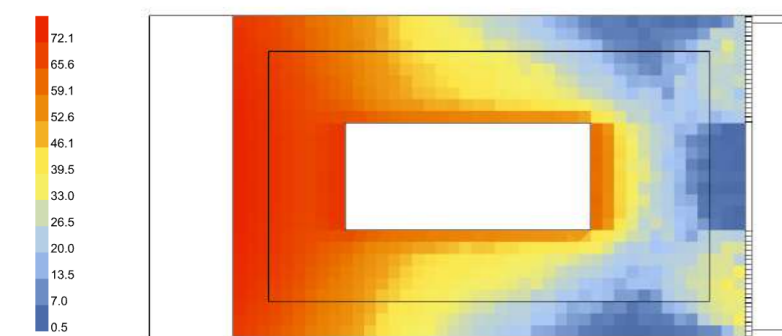
178 ANALISI ILLUMINOTECNICHE
SOPPALCO - P2



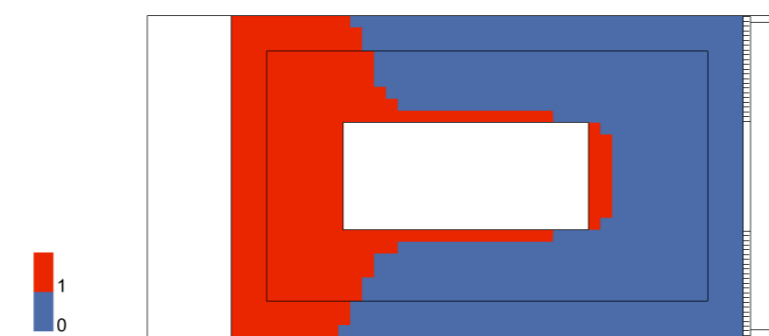
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

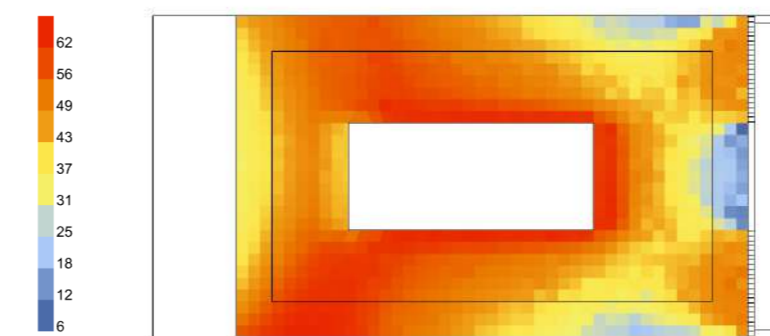
1. Daylight Autonomy (DA) - [%]



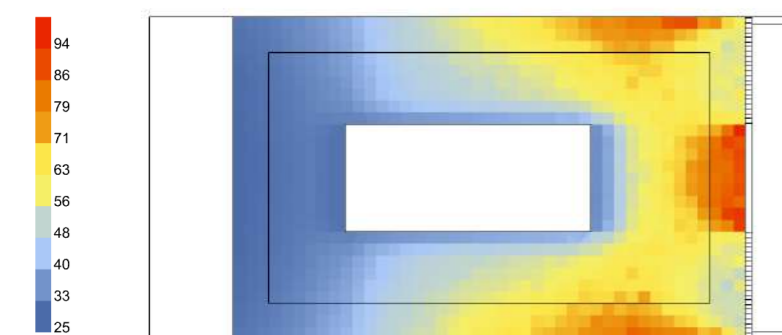
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



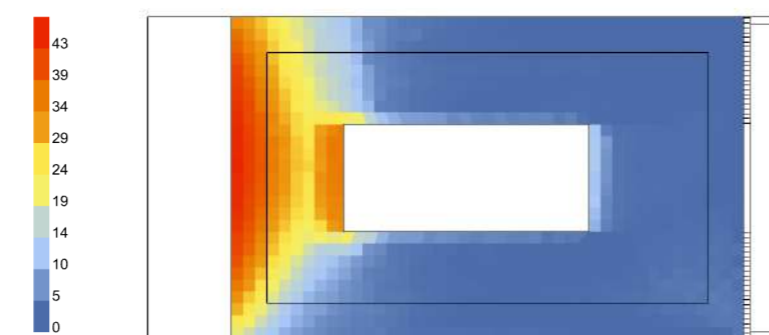
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

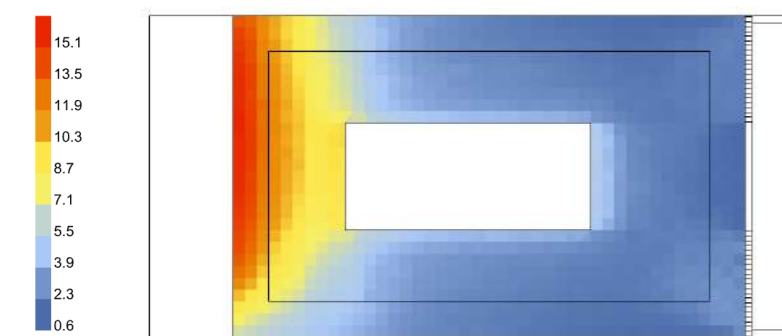


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

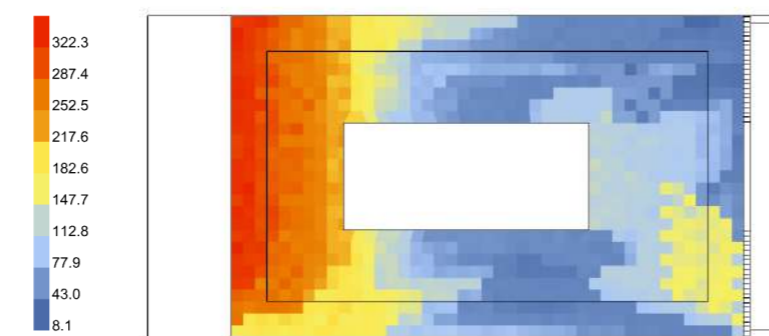


Annual Irradiance

1. Average Irradiance - [W/m²]

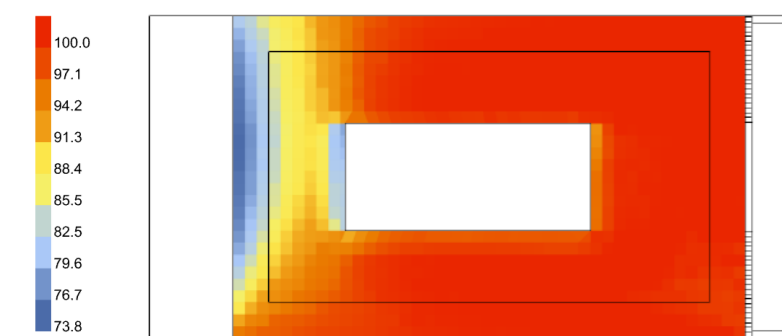


2. Peak Irradiance - [W/m²]



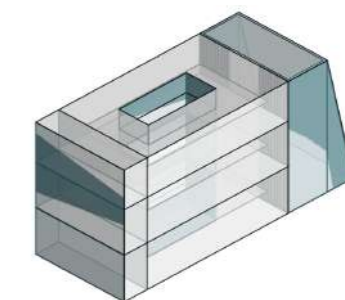
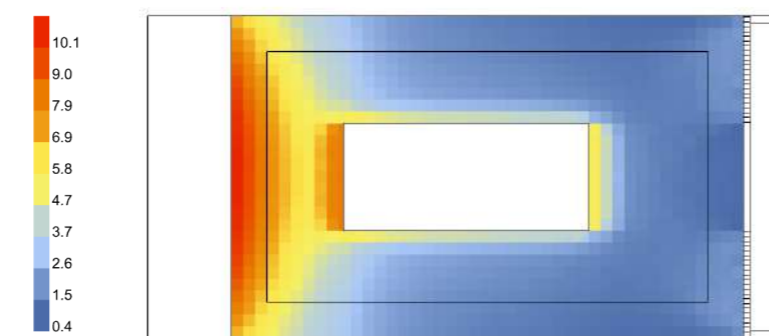
Annual Glare

1. Glare Autonomy (GA) - [%]

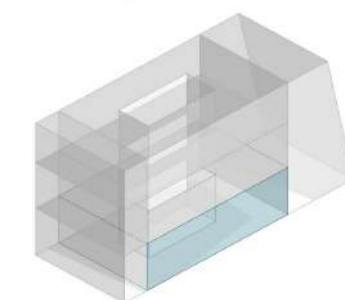


Daylight Factor

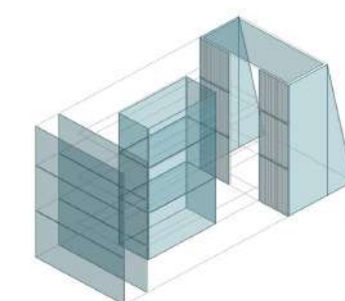
[%]



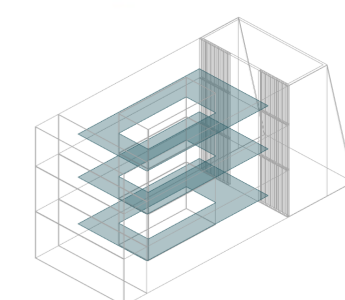
1. Modello Rhino



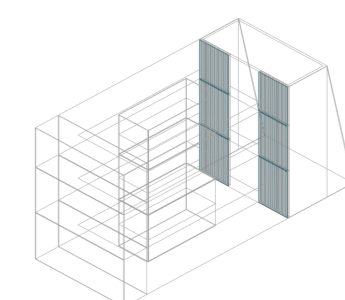
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 0°



6. Modello HB
Moduli PTFE
Assenti

179 ANALISI ILLUMINOTECNICHE
SCHERMATURA EST - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

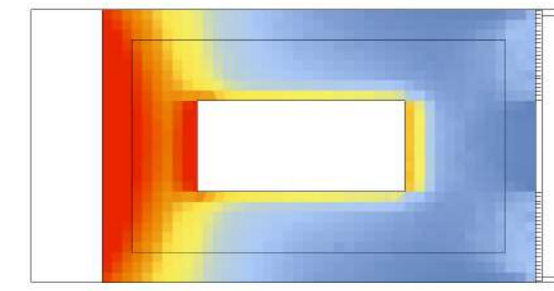
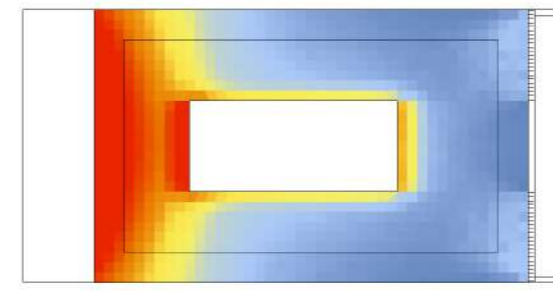
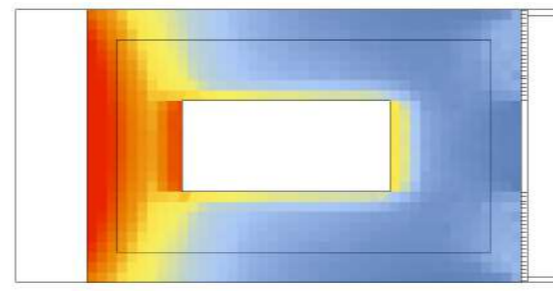
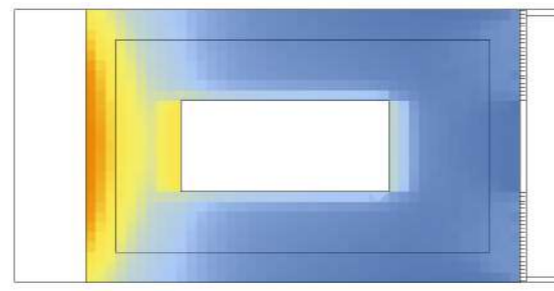
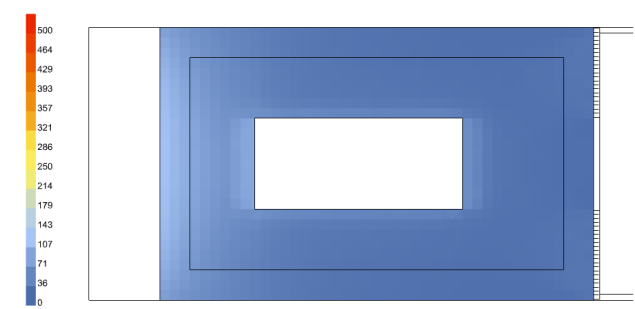
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



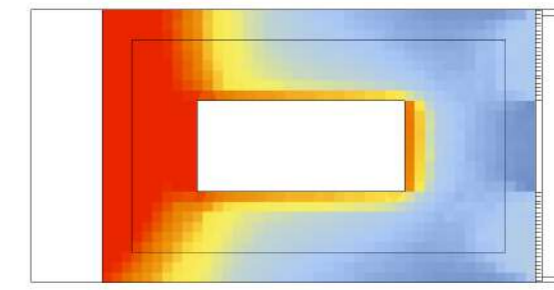
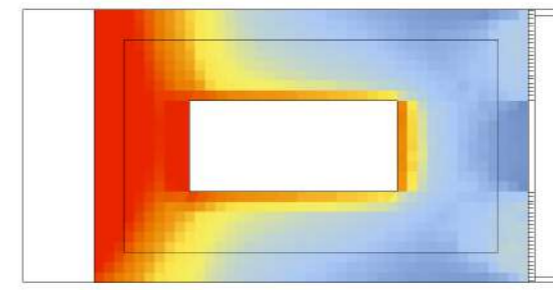
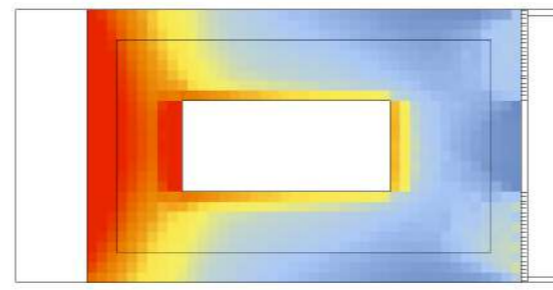
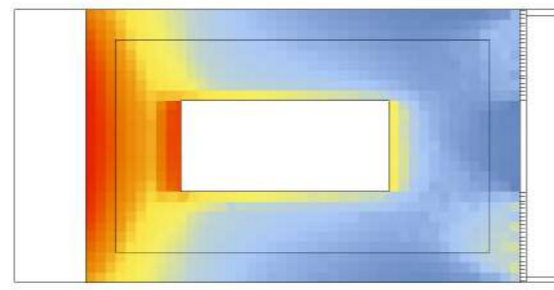
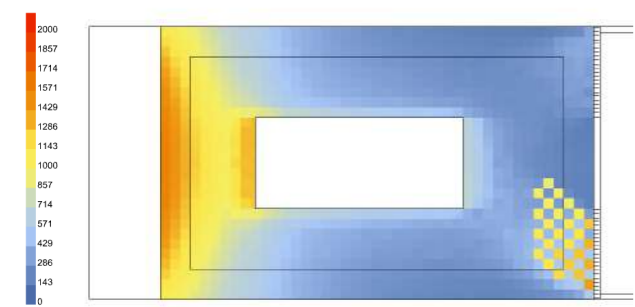
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



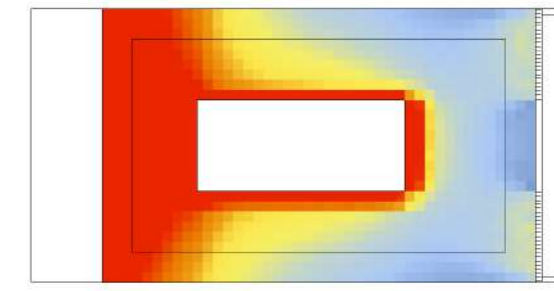
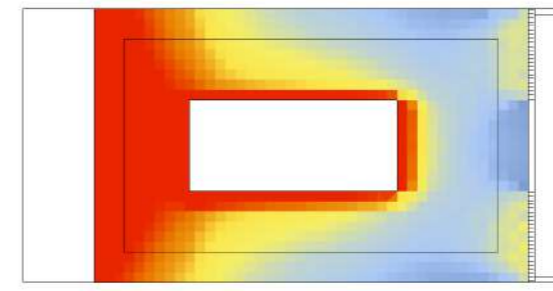
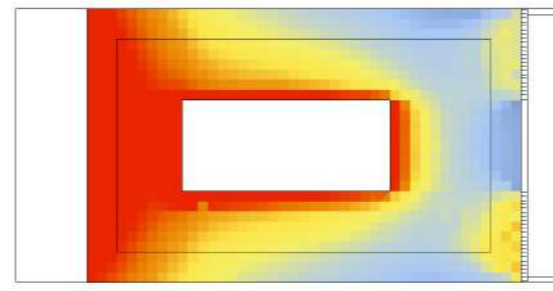
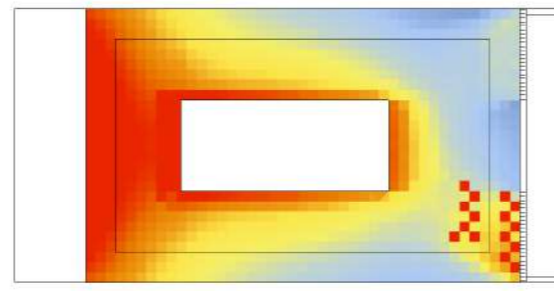
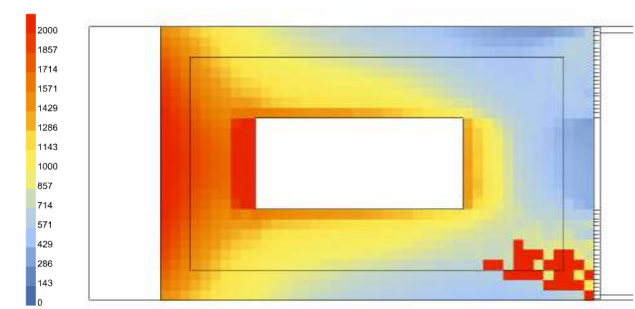
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



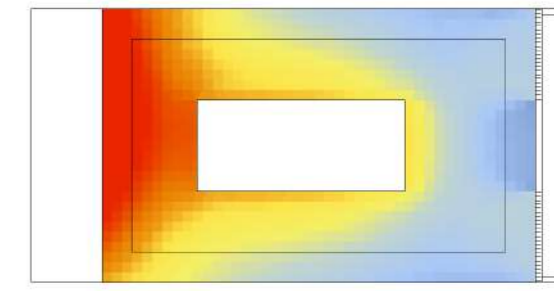
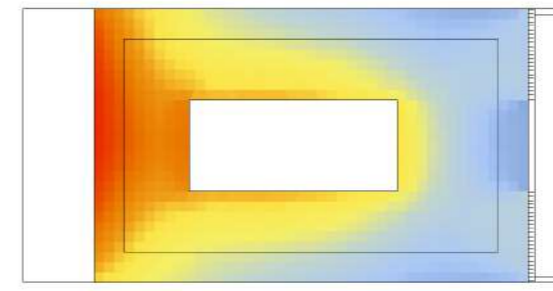
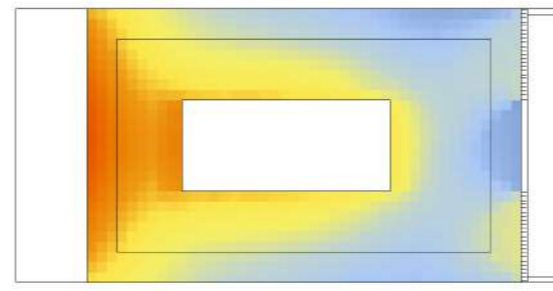
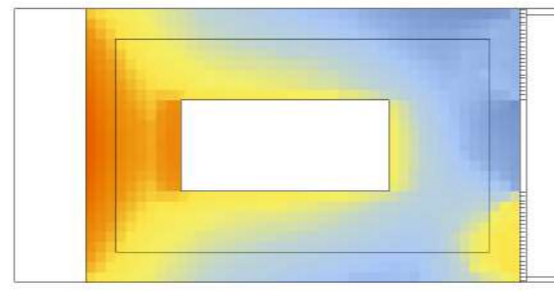
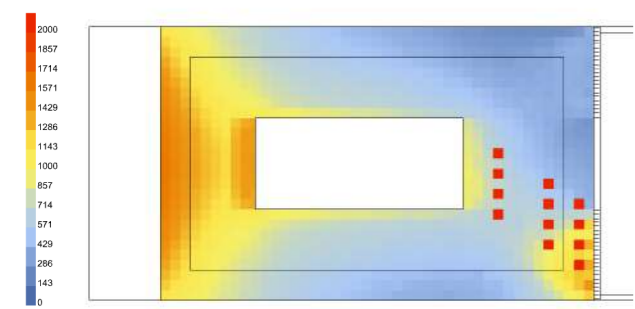
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



180 ANALISI ILLUMINOTECNICHE
SCHERMATURA EST - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

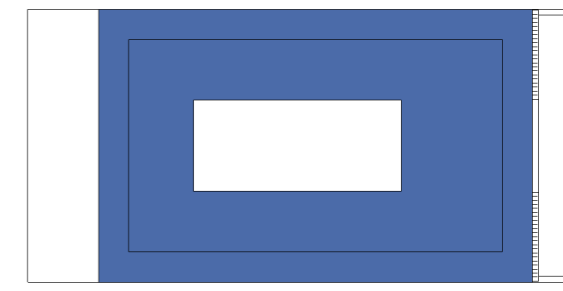
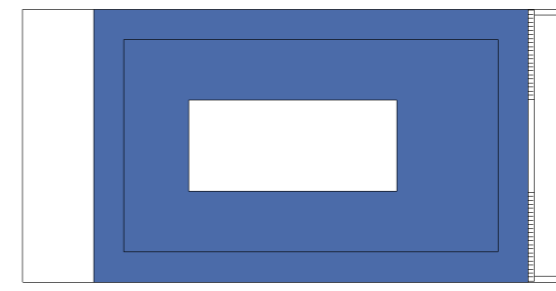
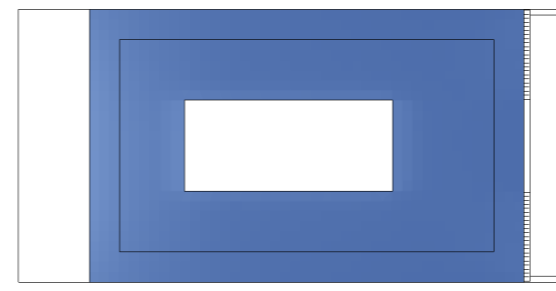
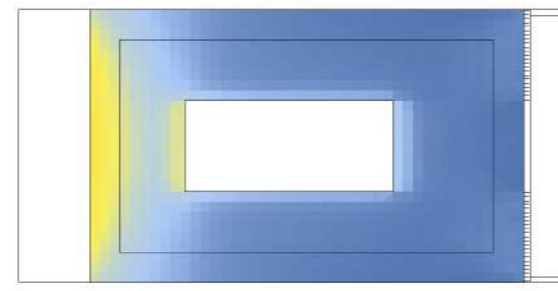
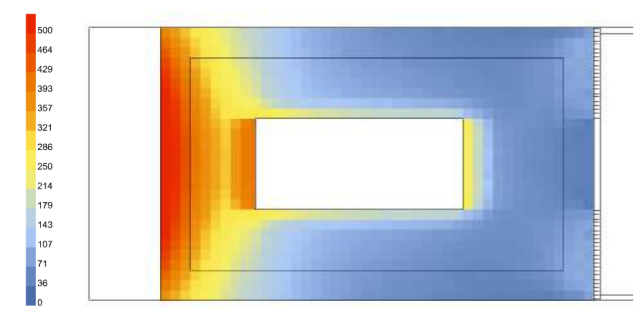
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



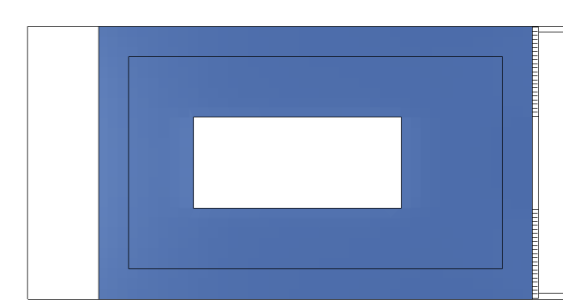
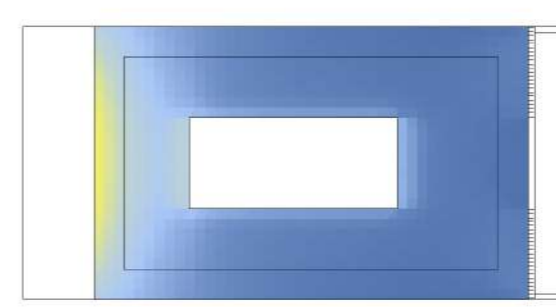
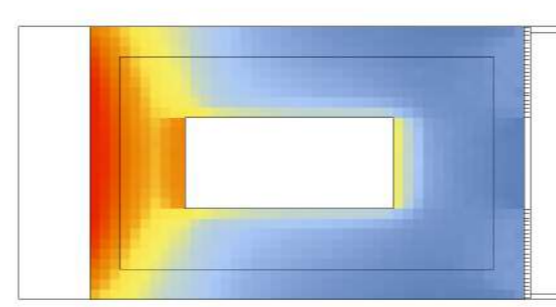
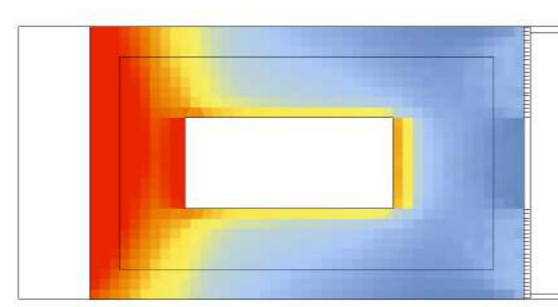
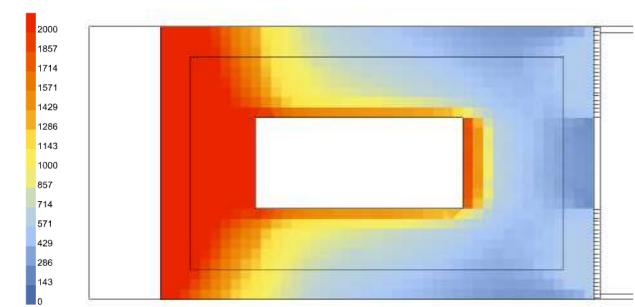
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



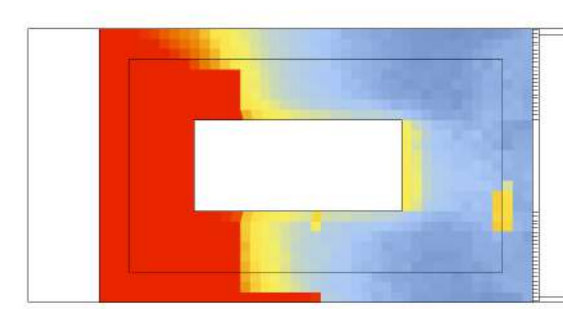
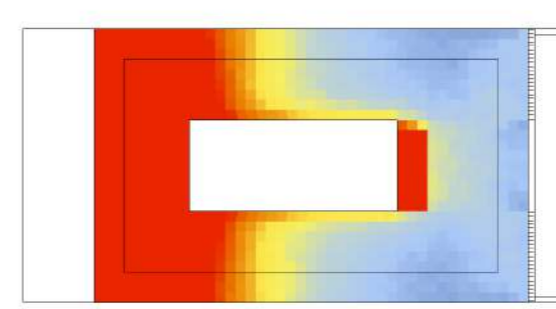
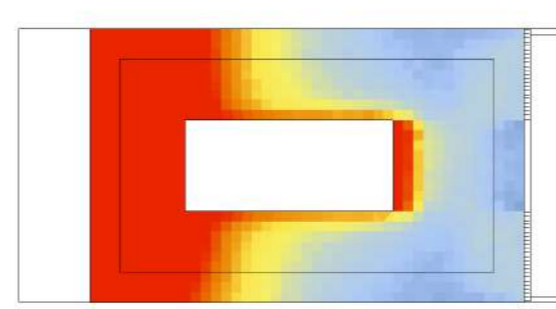
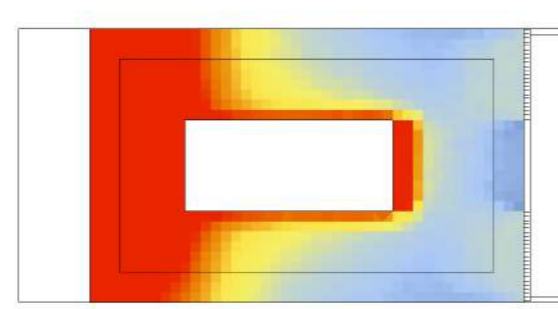
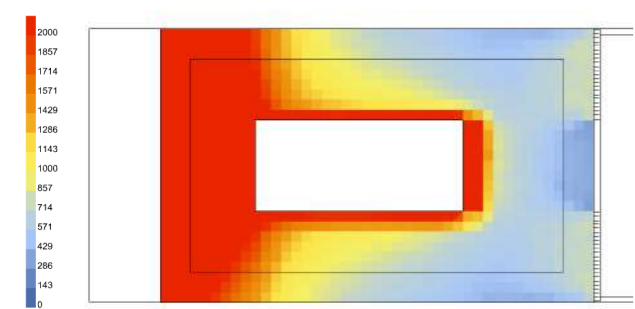
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



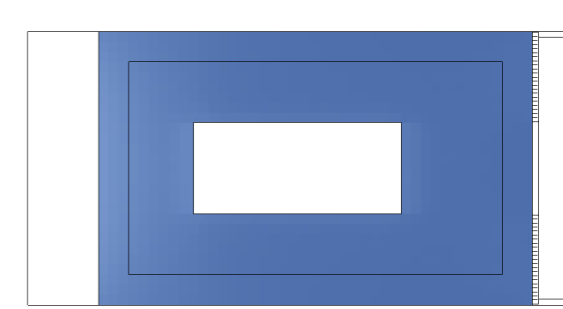
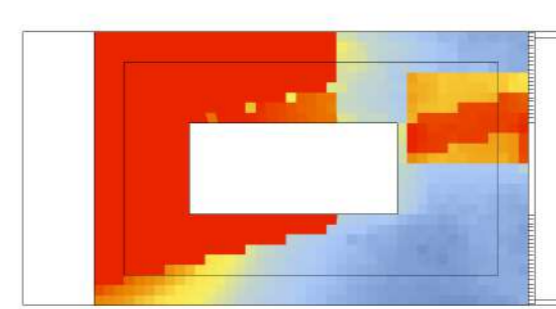
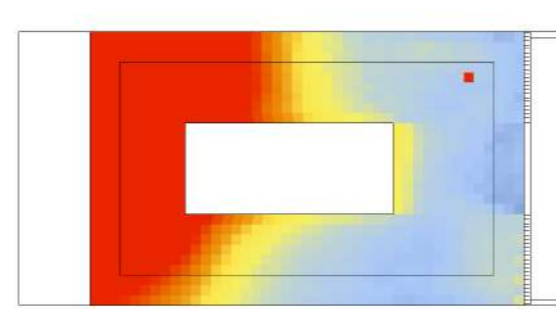
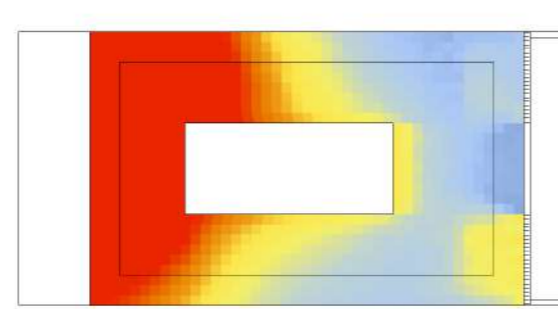
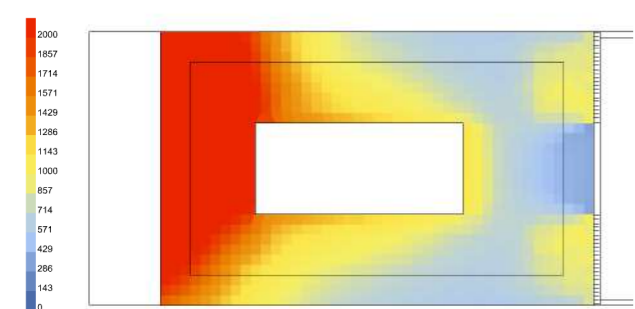
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



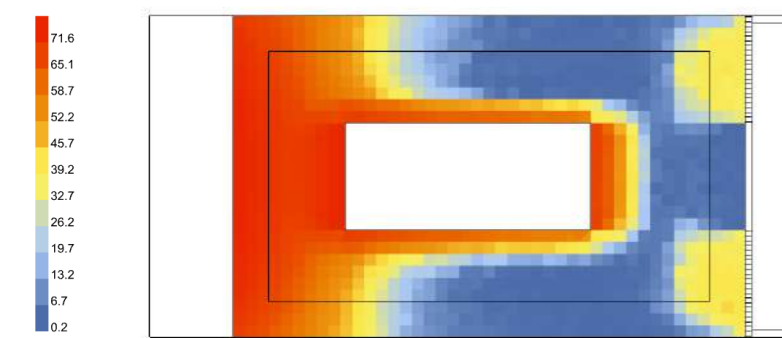
181 ANALISI ILLUMINOTECNICHE
SCHERMATURA EST - PT



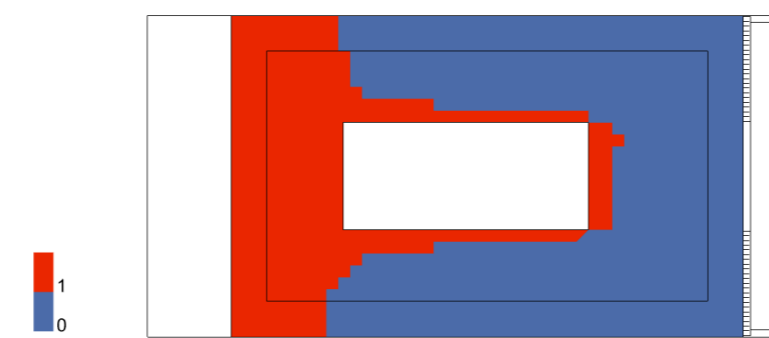
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

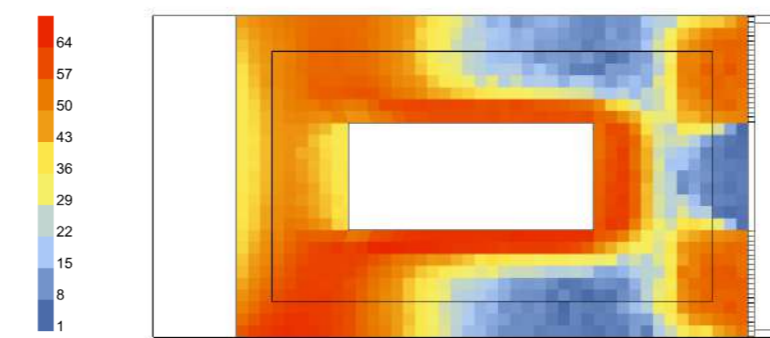
1. Daylight Autonomy (DA) - [%]



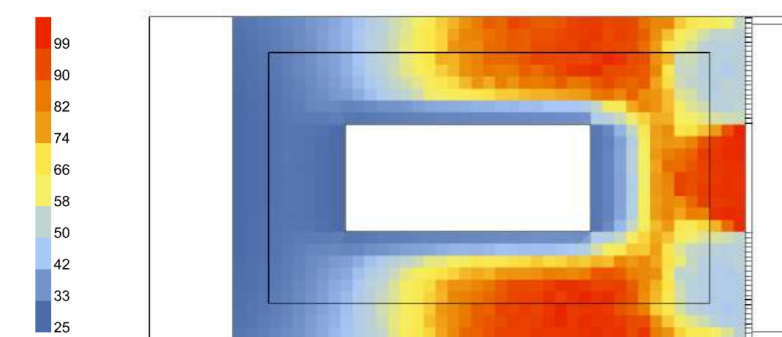
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



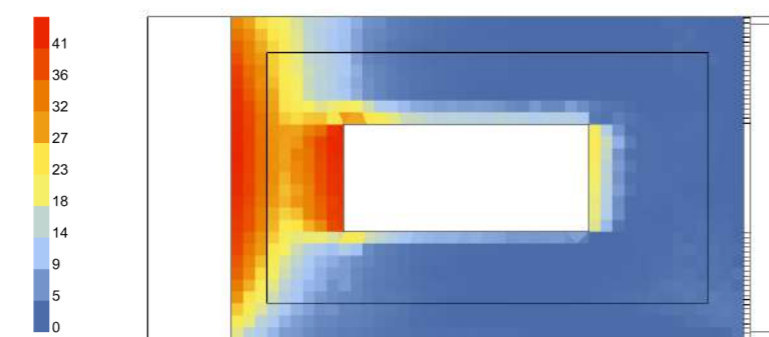
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

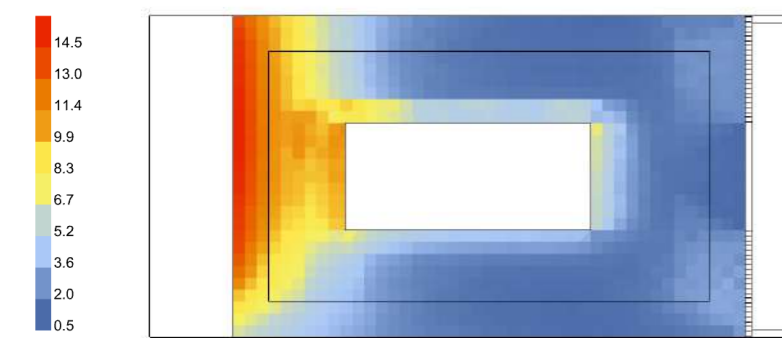


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

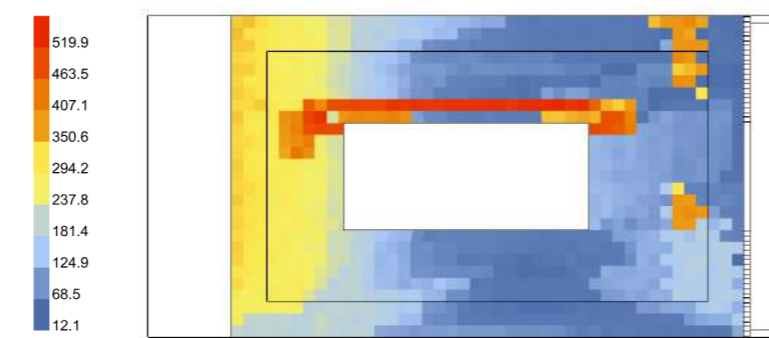


Annual Irradiance

1. Average Irradiance - [W/m²]

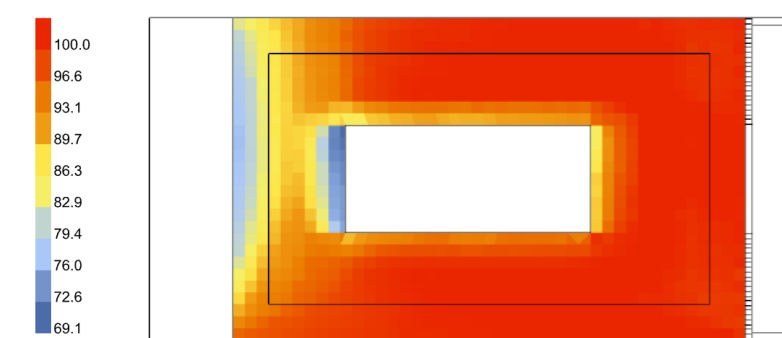


2. Peak Irradiance - [W/m²]



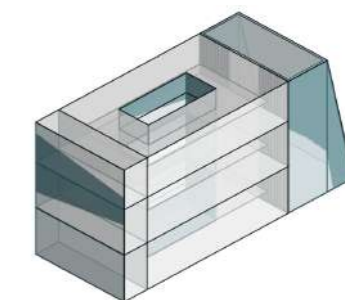
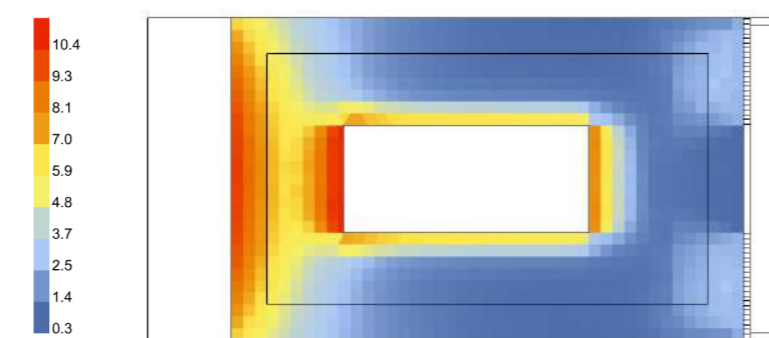
Annual Glare

1. Glare Autonomy (GA) - [%]

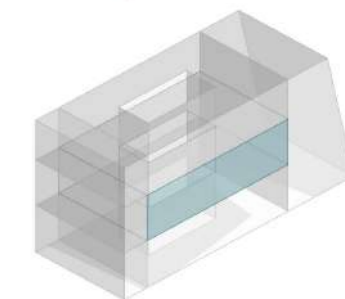


Daylight Factor

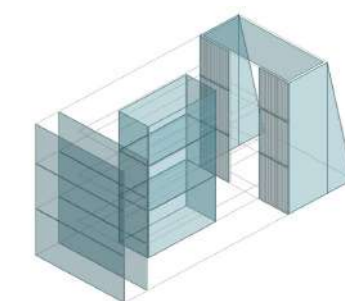
[%]



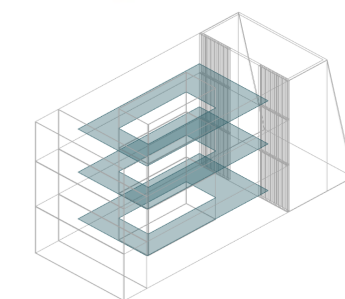
1. Modello Rhino



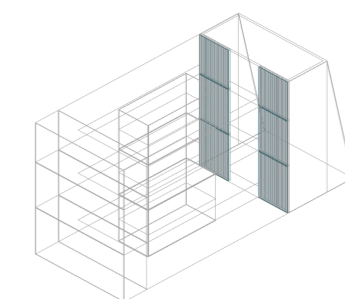
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 0°

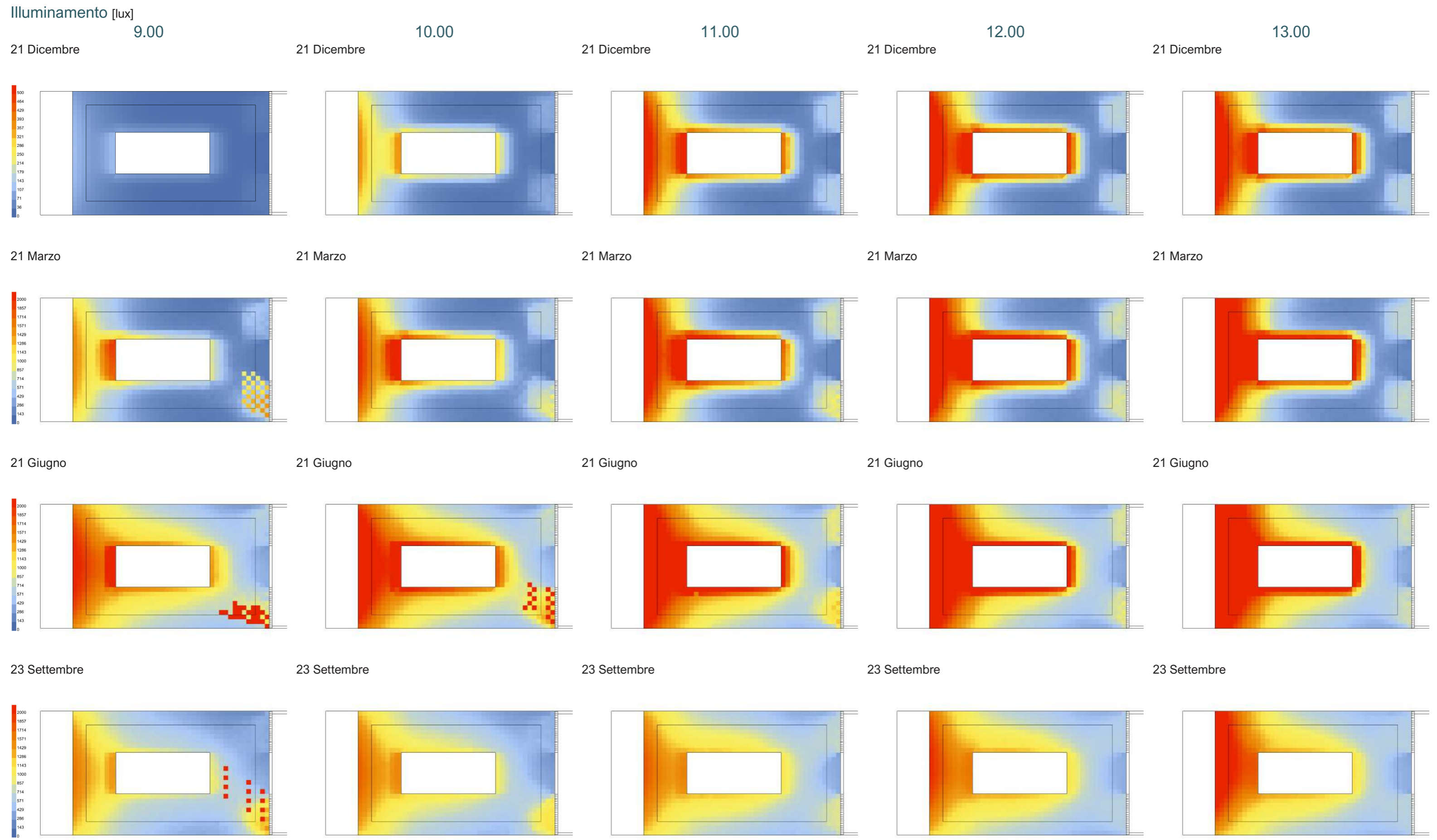


6. Modello HB
Moduli PTFE
Assenti

182 ANALISI ILLUMINOTECNICHE
SCHERMATURA EST - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia



183 ANALISI ILLUMINOTECNICHE
SCHERMATURA EST - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

14.00

15.00

16.00

17.00

18.00

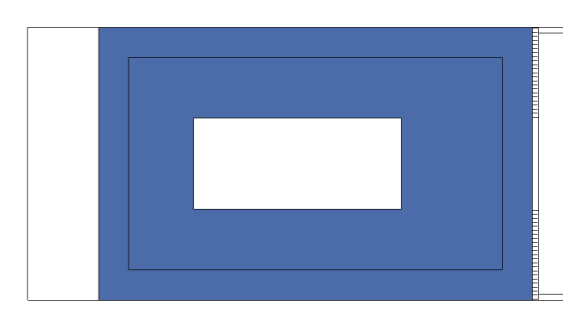
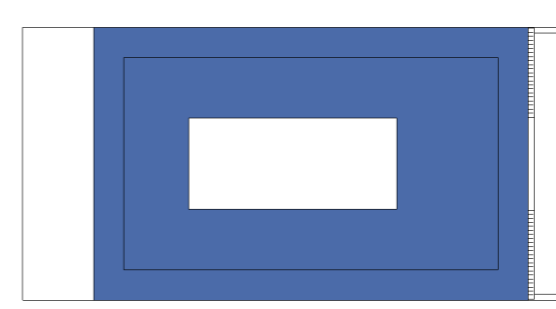
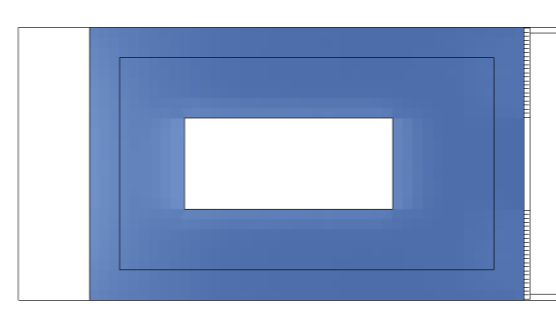
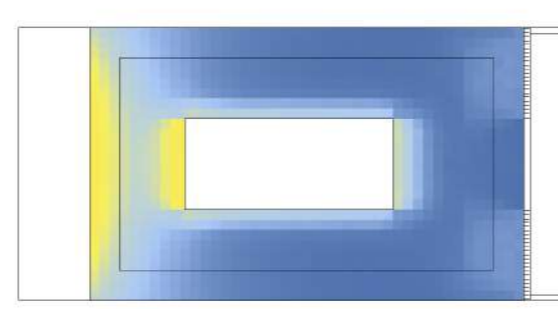
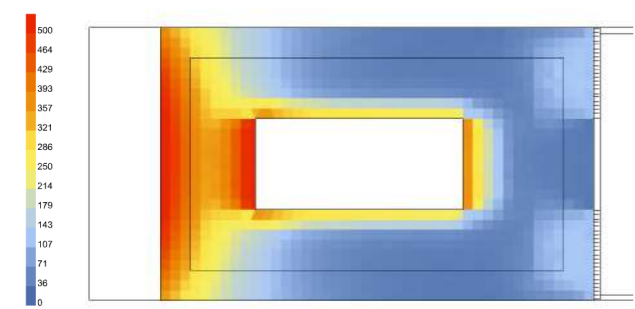
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



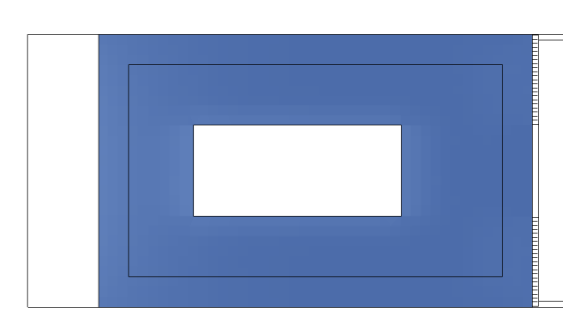
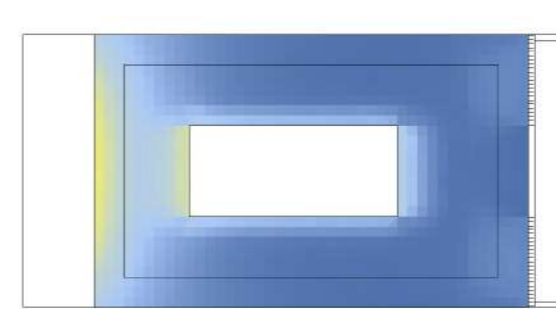
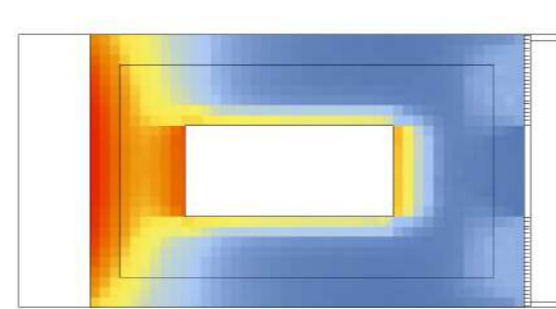
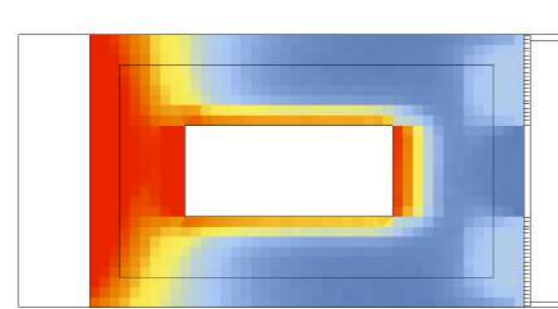
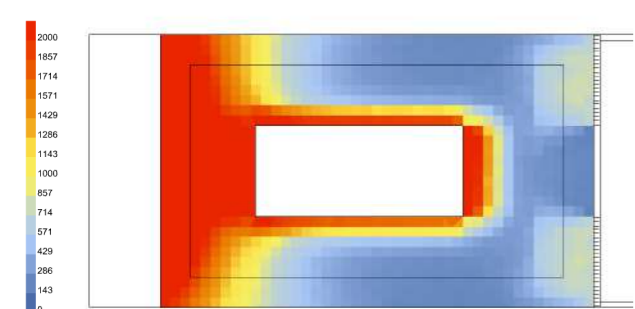
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



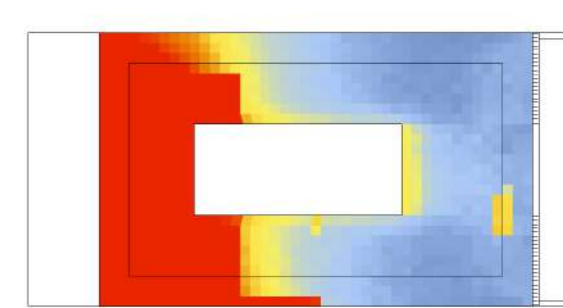
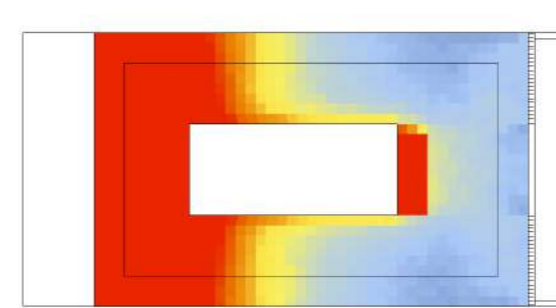
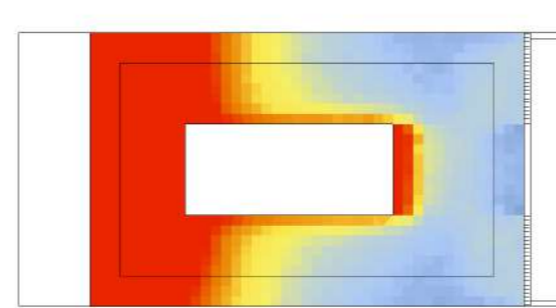
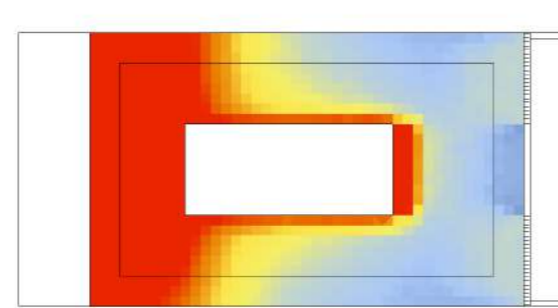
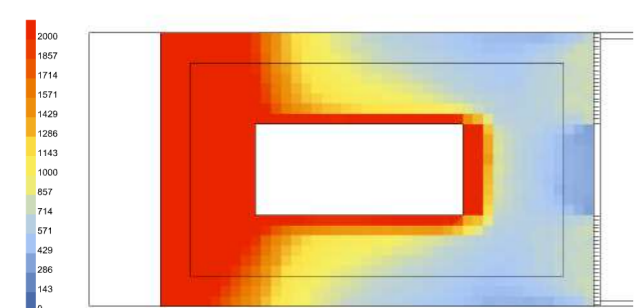
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



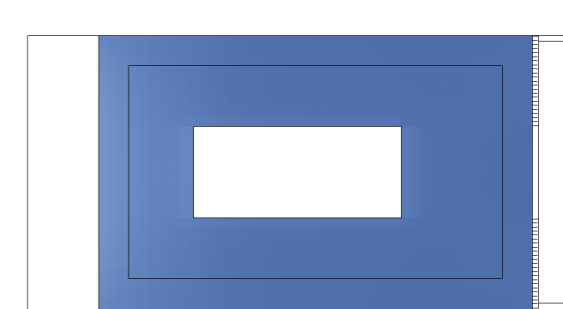
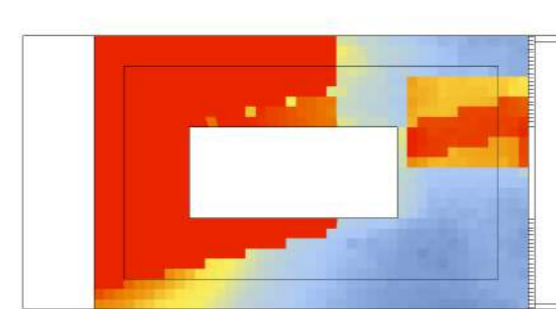
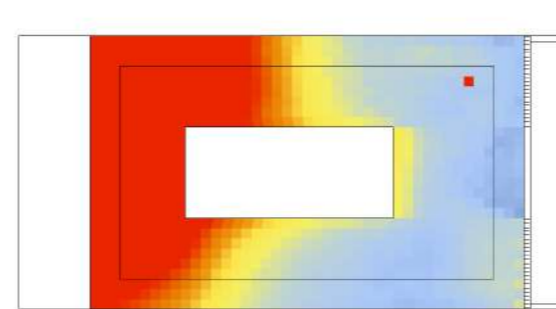
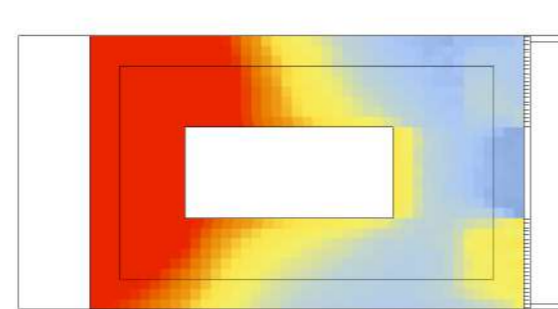
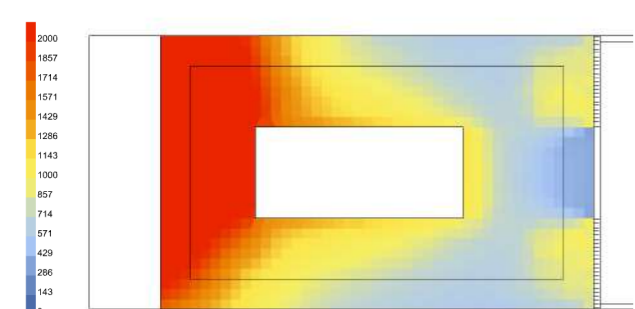
23 Settembre

23 Settembre

23 Settembre

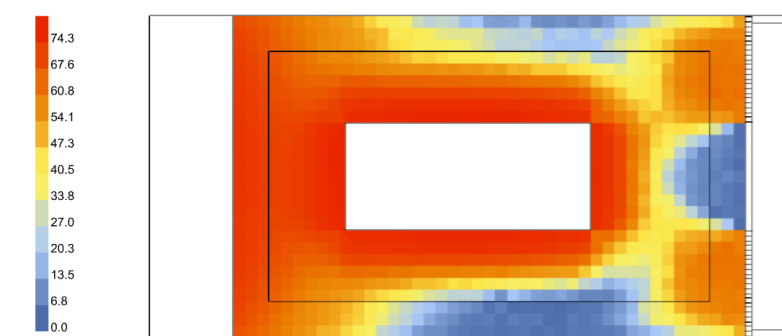
23 Settembre

23 Settembre

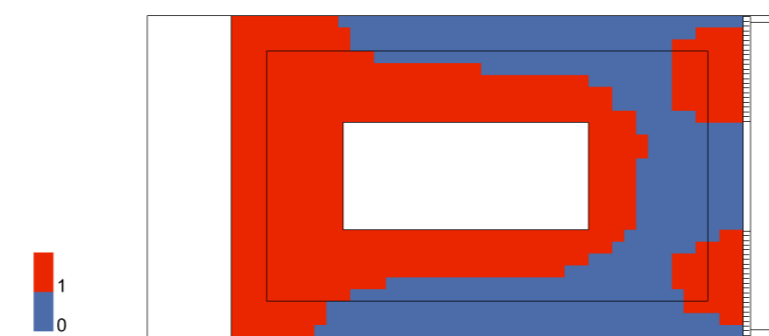


Annual Daylight

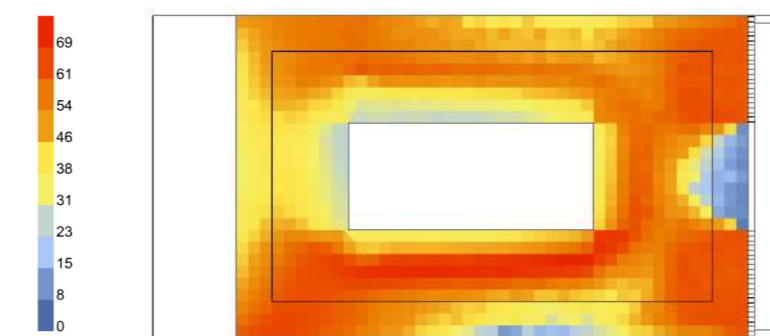
1. Daylight Autonomy (DA) - [%]



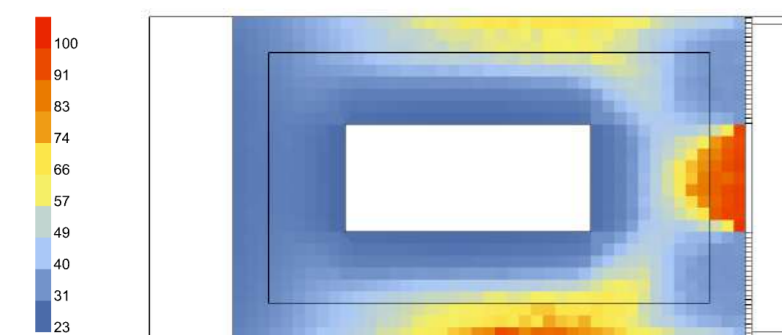
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



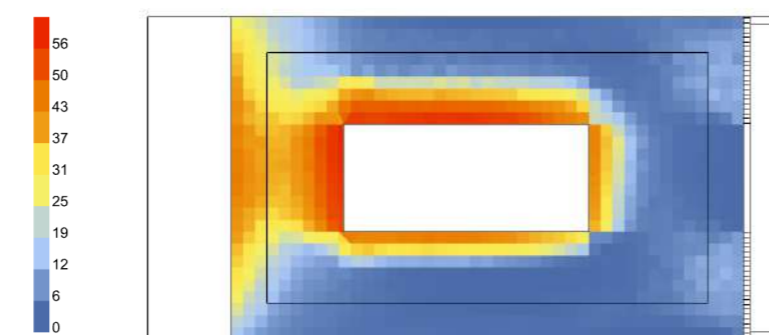
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

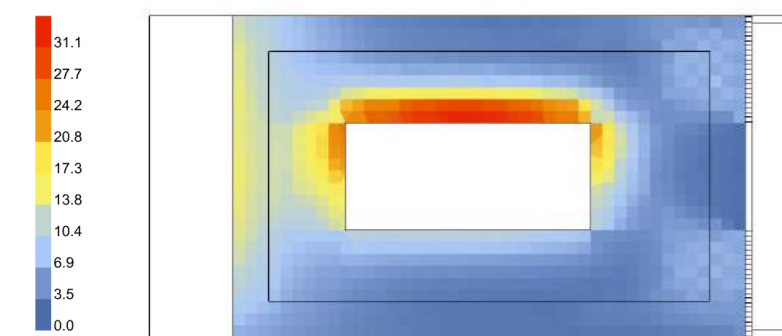


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

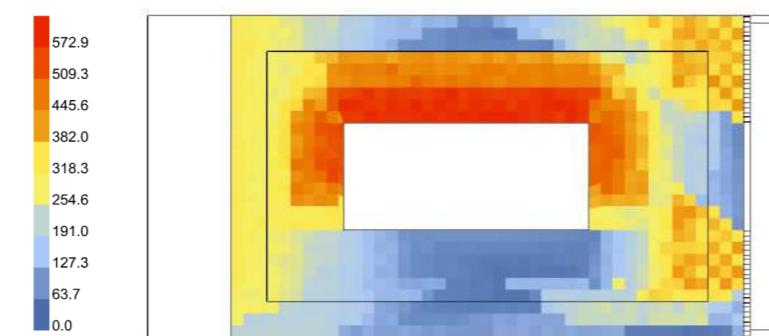


Annual Irradiance

1. Average Irradiance - [W/m²]

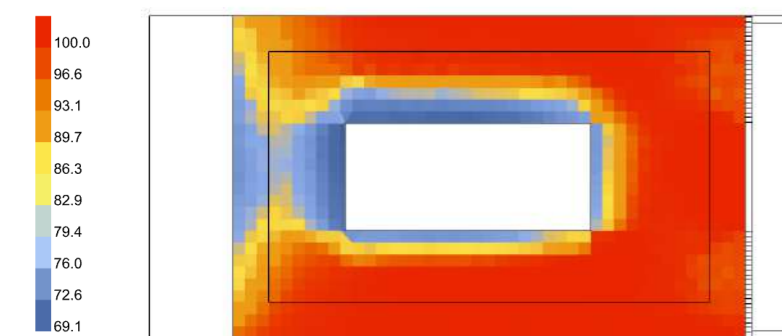


2. Peak Irradiance - [W/m²]



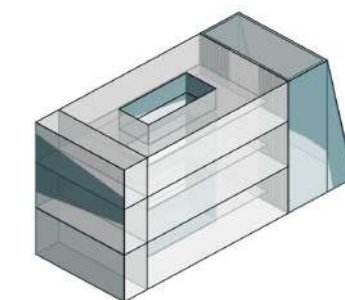
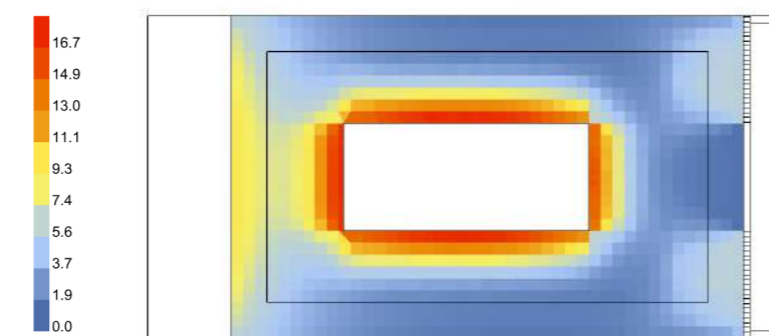
Annual Glare

1. Glare Autonomy (GA) - [%]

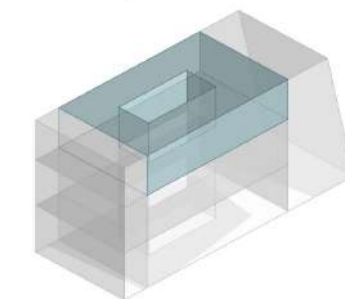


Daylight Factor

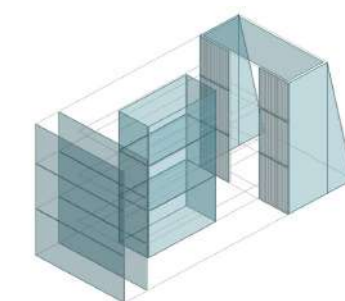
[%]



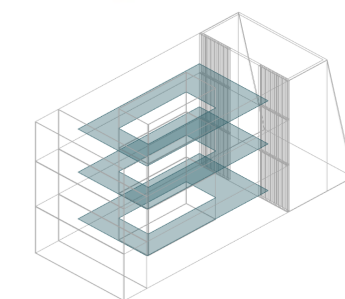
1. Modello Rhino



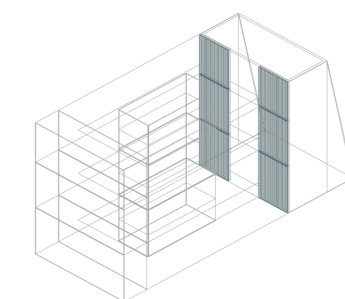
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 0°



6. Modello HB
Moduli PTFE
Assenti

185 ANALISI ILLUMINOTECNICHE
SCHERMATURA EST - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

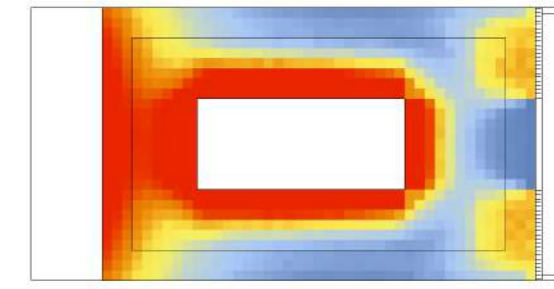
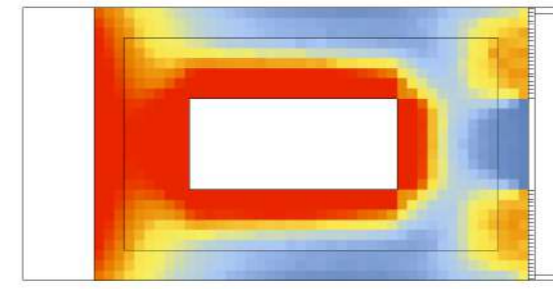
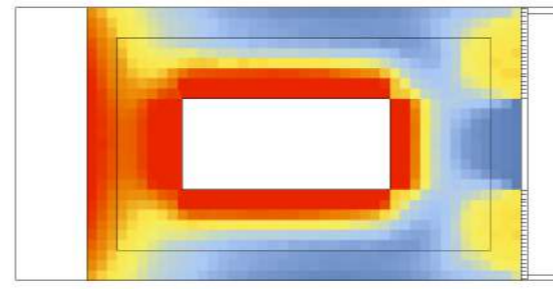
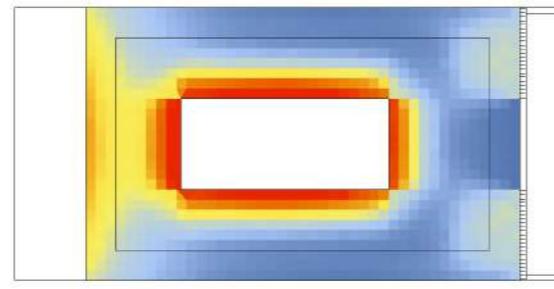
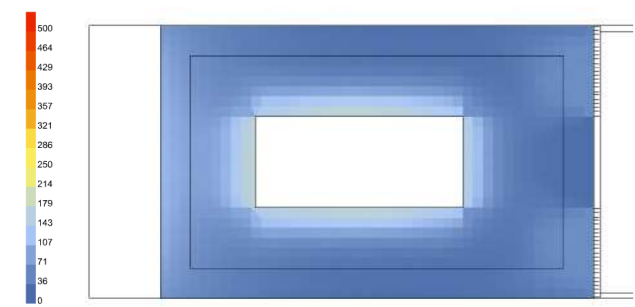
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



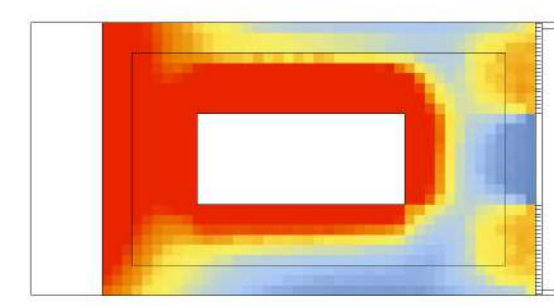
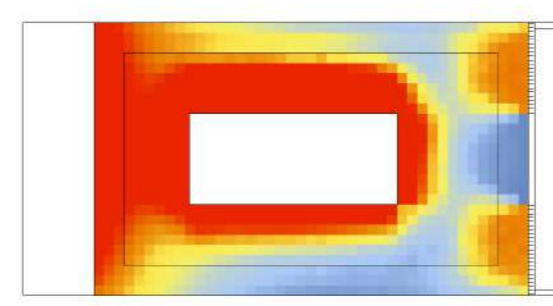
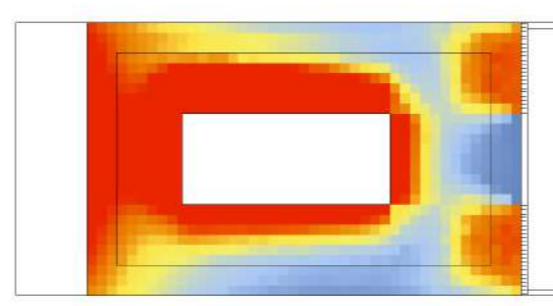
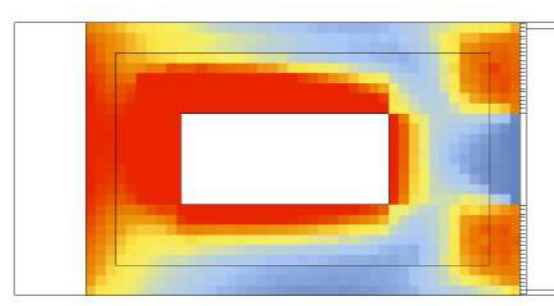
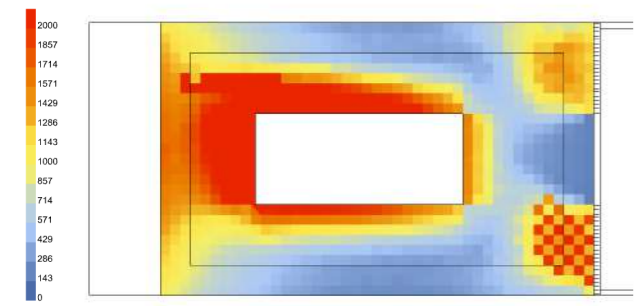
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



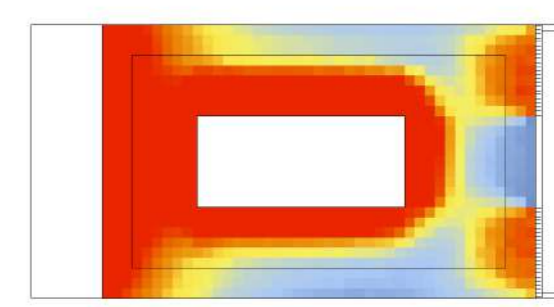
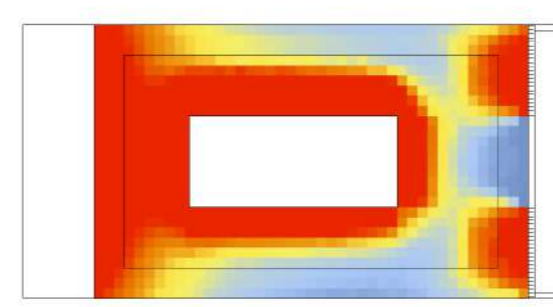
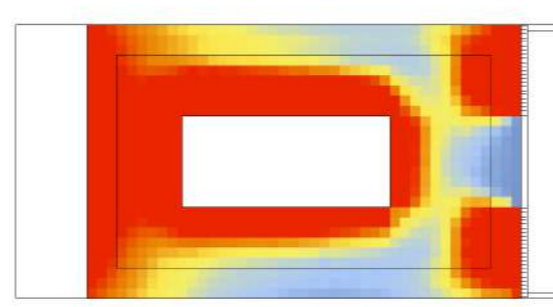
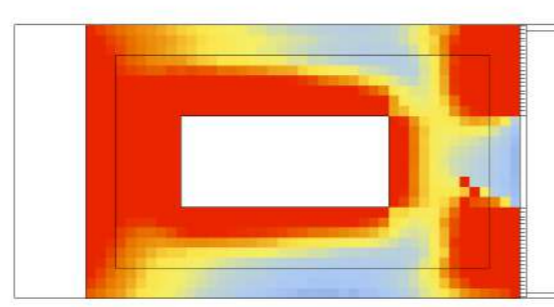
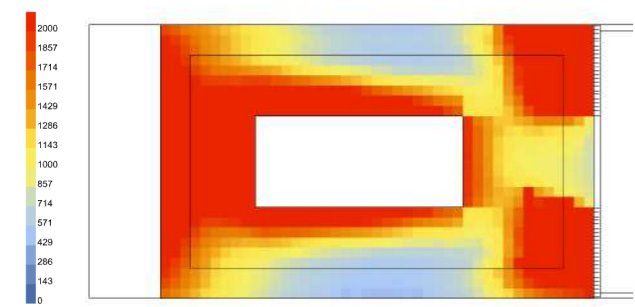
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



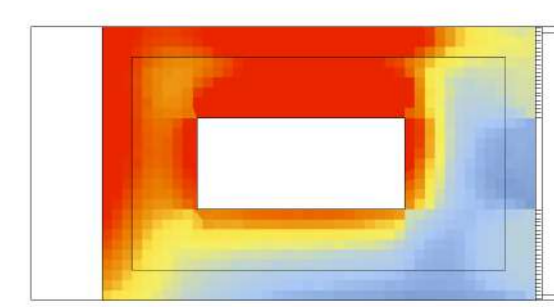
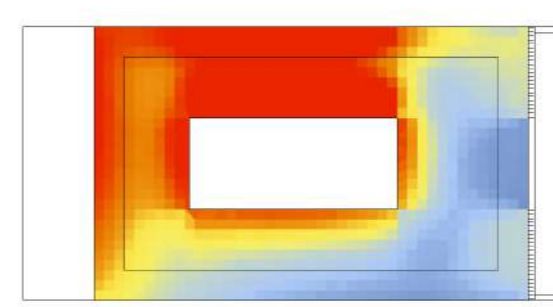
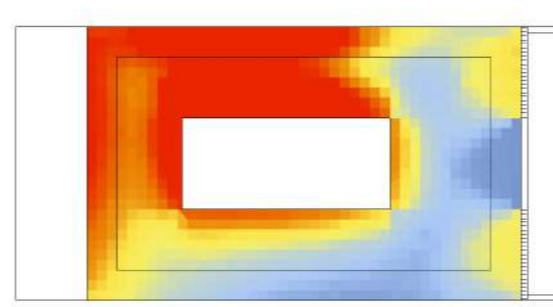
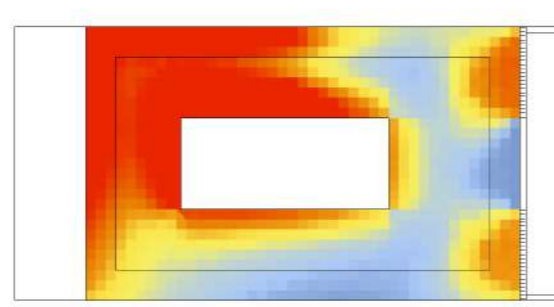
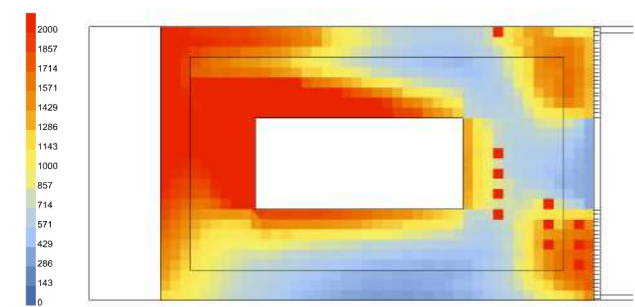
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno

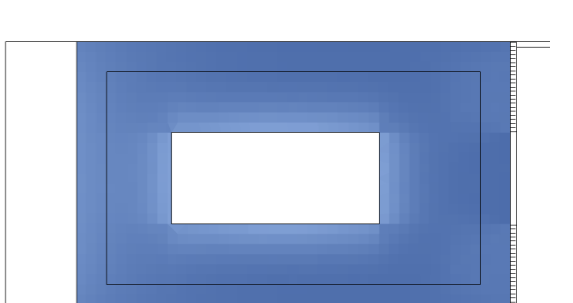
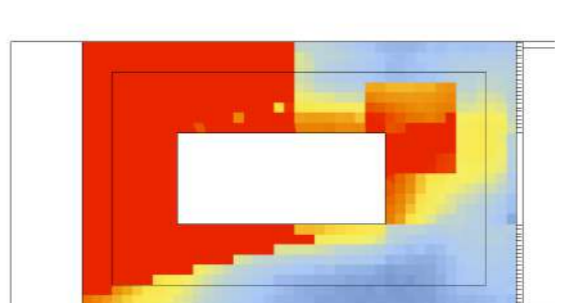
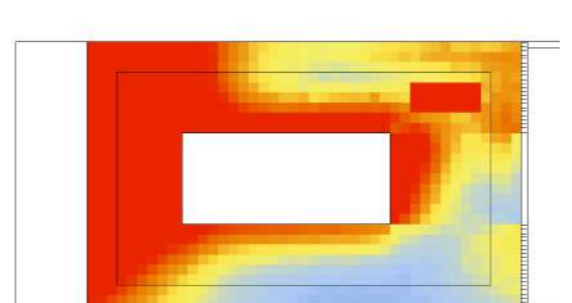
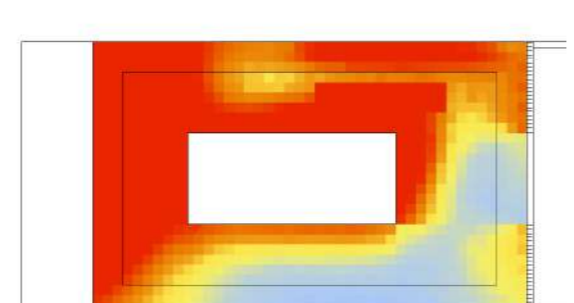
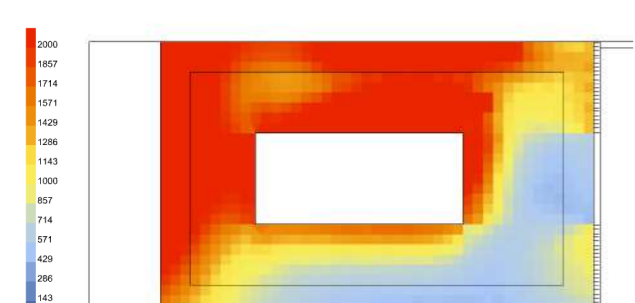
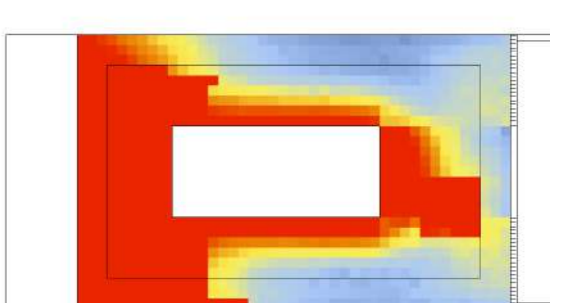
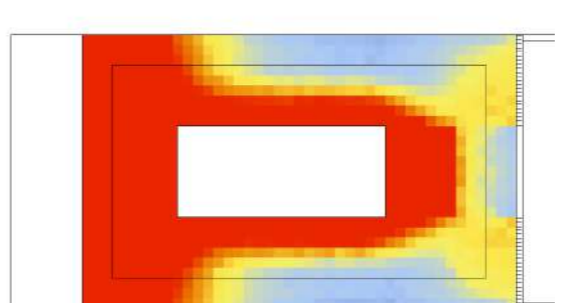
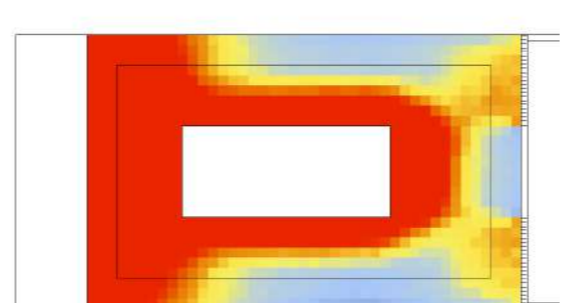
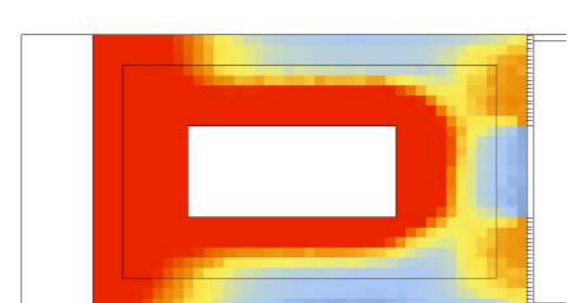
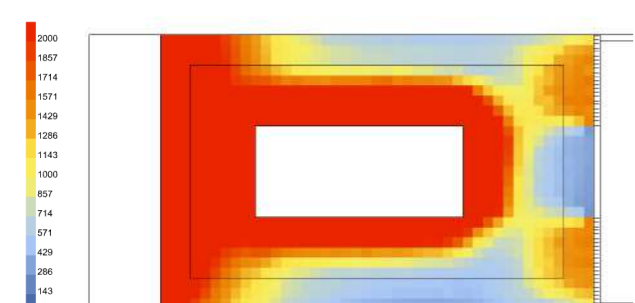
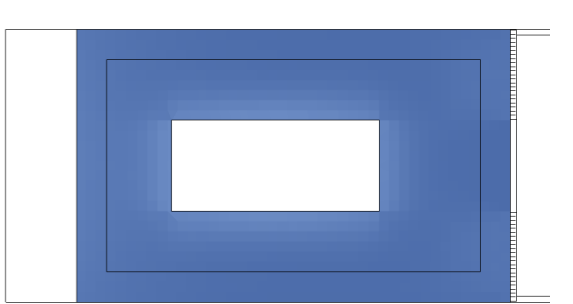
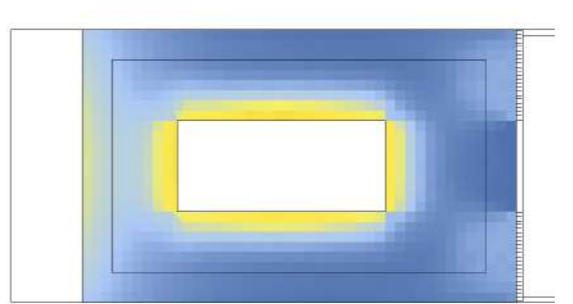
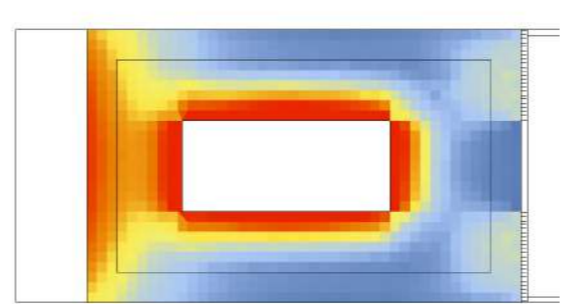
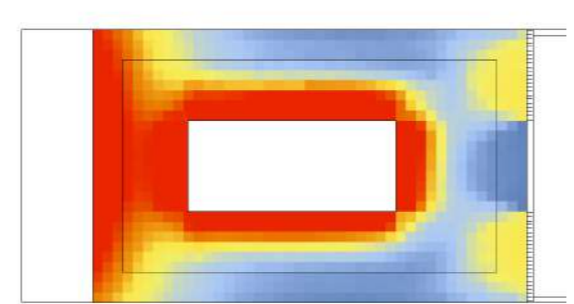
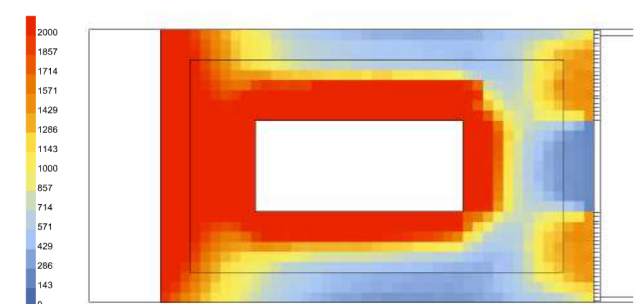
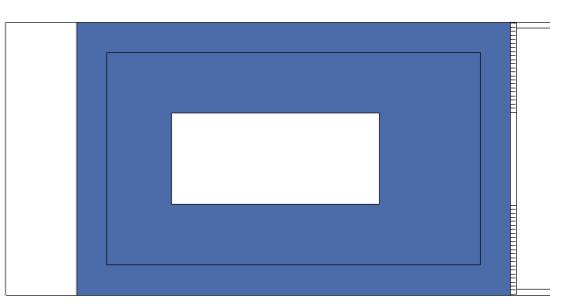
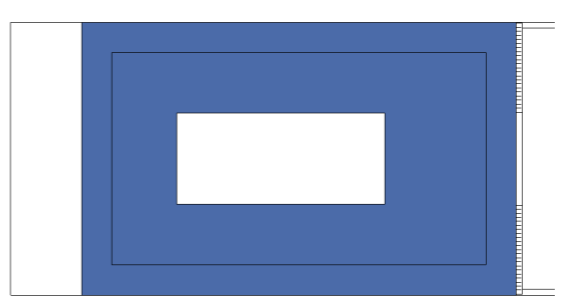
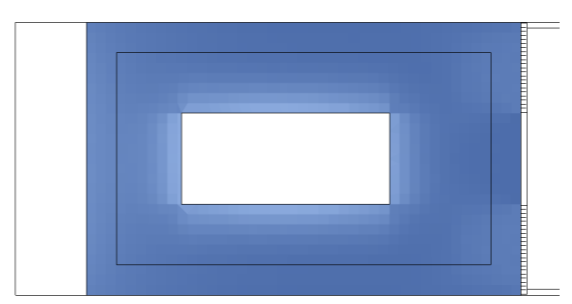
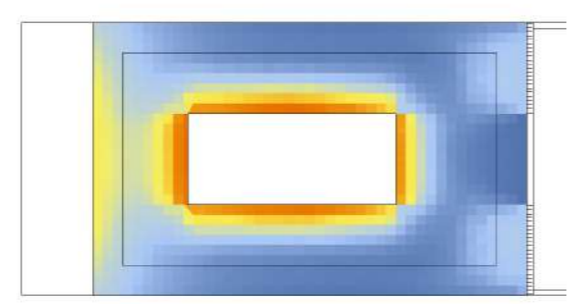
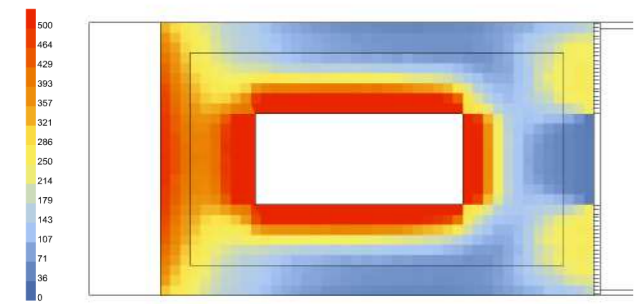
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



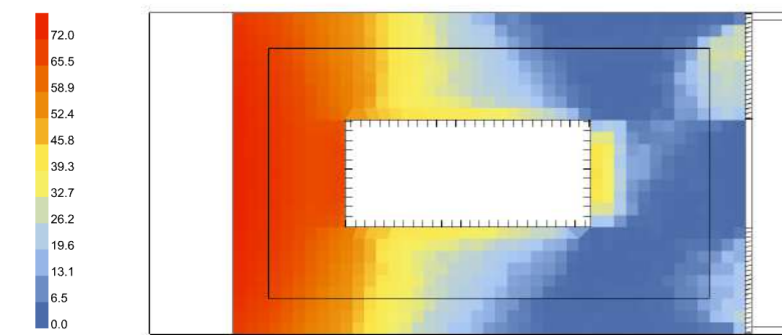
187 ANALISI ILLUMINOTECNICHE
SCHERMATURA EST - P2



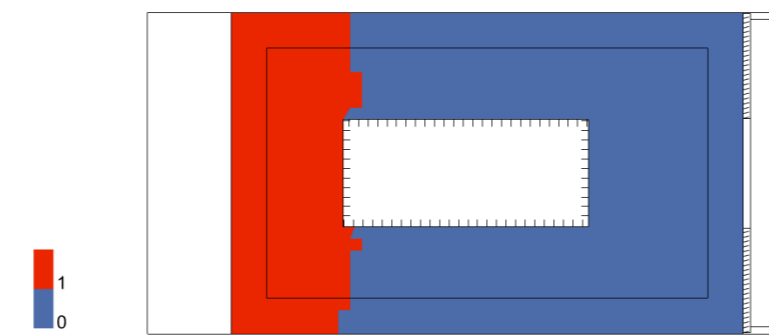
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

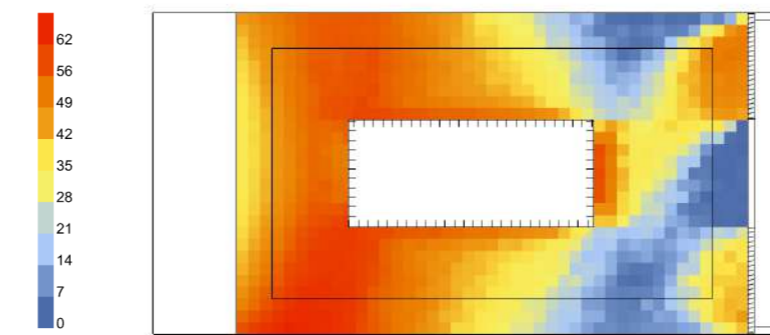
1. Daylight Autonomy (DA) - [%]



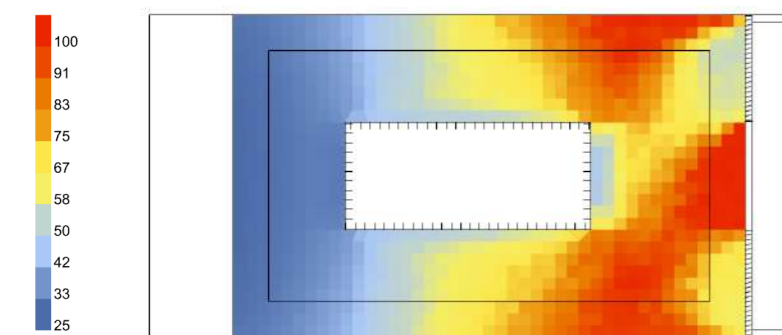
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



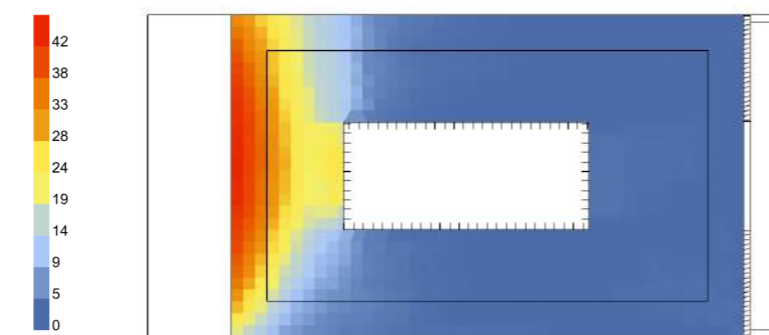
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

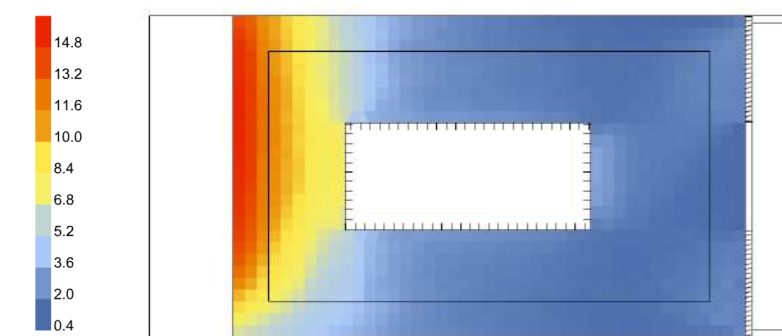


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

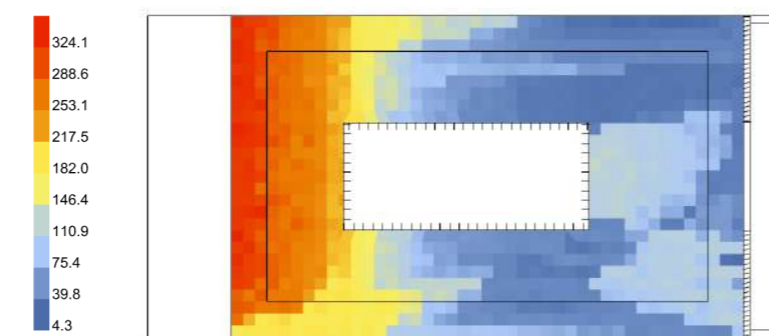


Annual Irradiance

1. Average Irradiance - [W/m²]

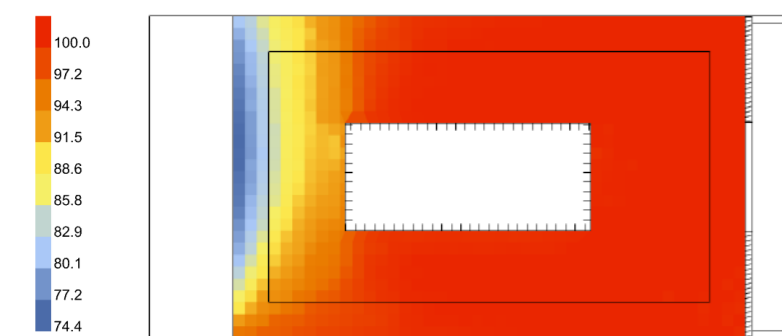


2. Peak Irradiance - [W/m²]



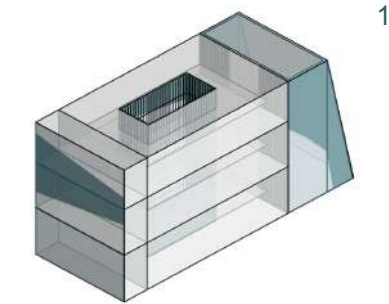
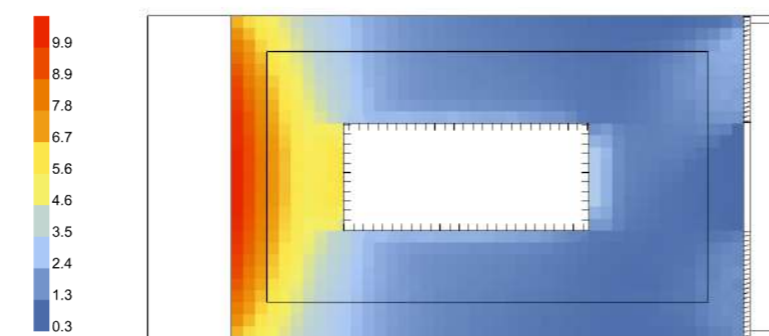
Annual Glare

1. Glare Autonomy (GA) - [%]

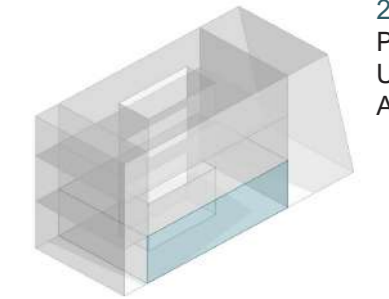


Daylight Factor

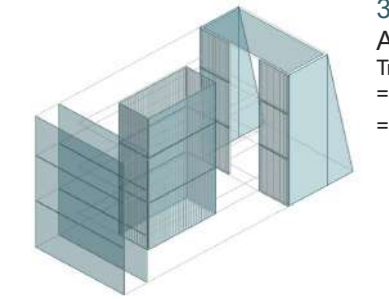
[%]



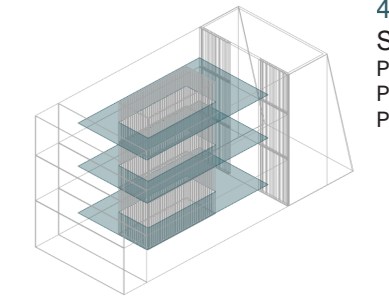
1. Modello Rhino



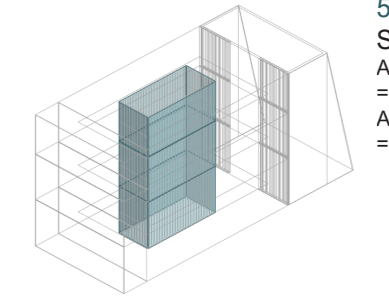
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 0°

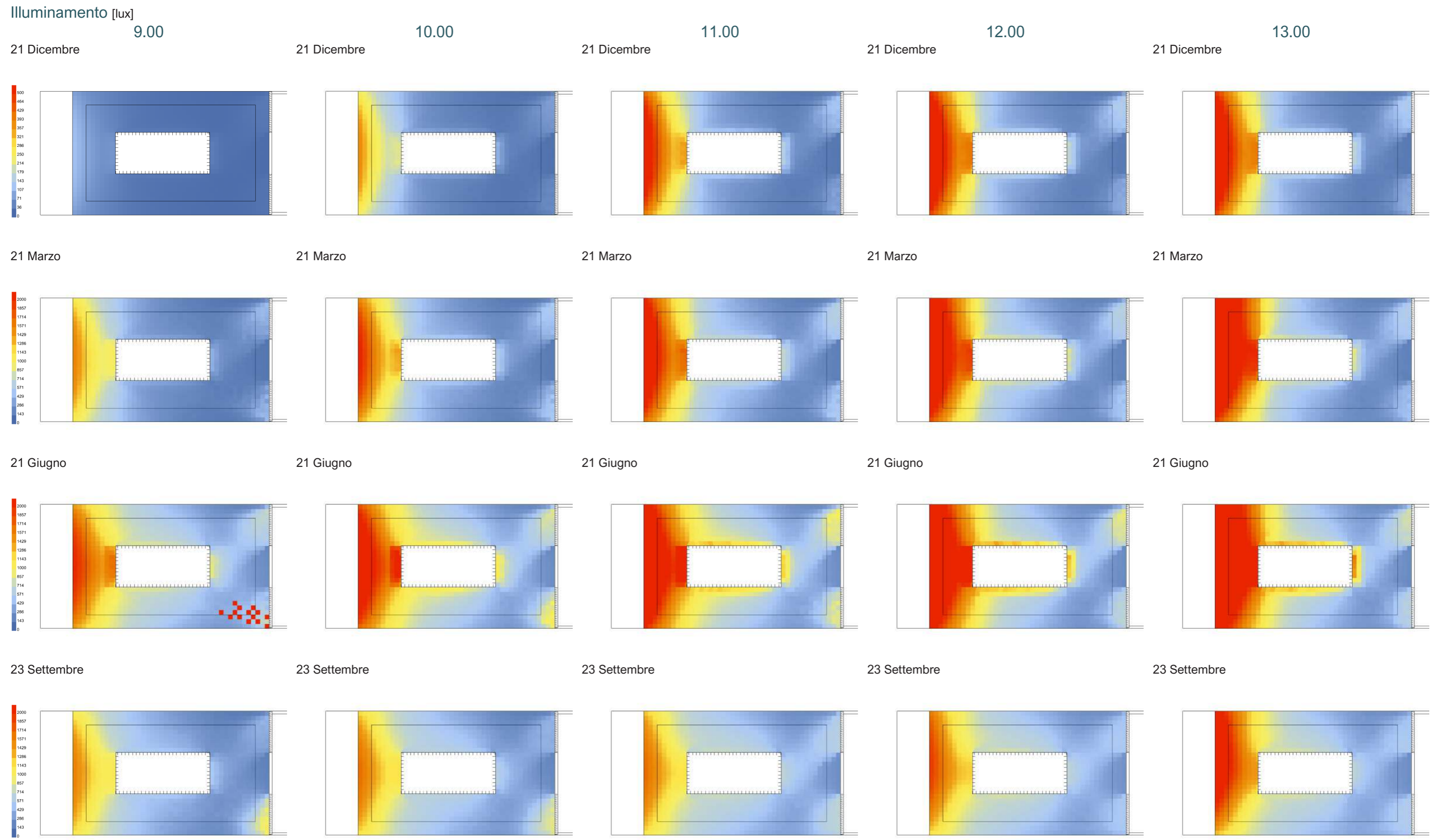


6. Modello HB
Moduli PTFE
Assenti

188 ANALISI ILLUMINOTECNICHE
SCHERMATURA CENTRO - PT



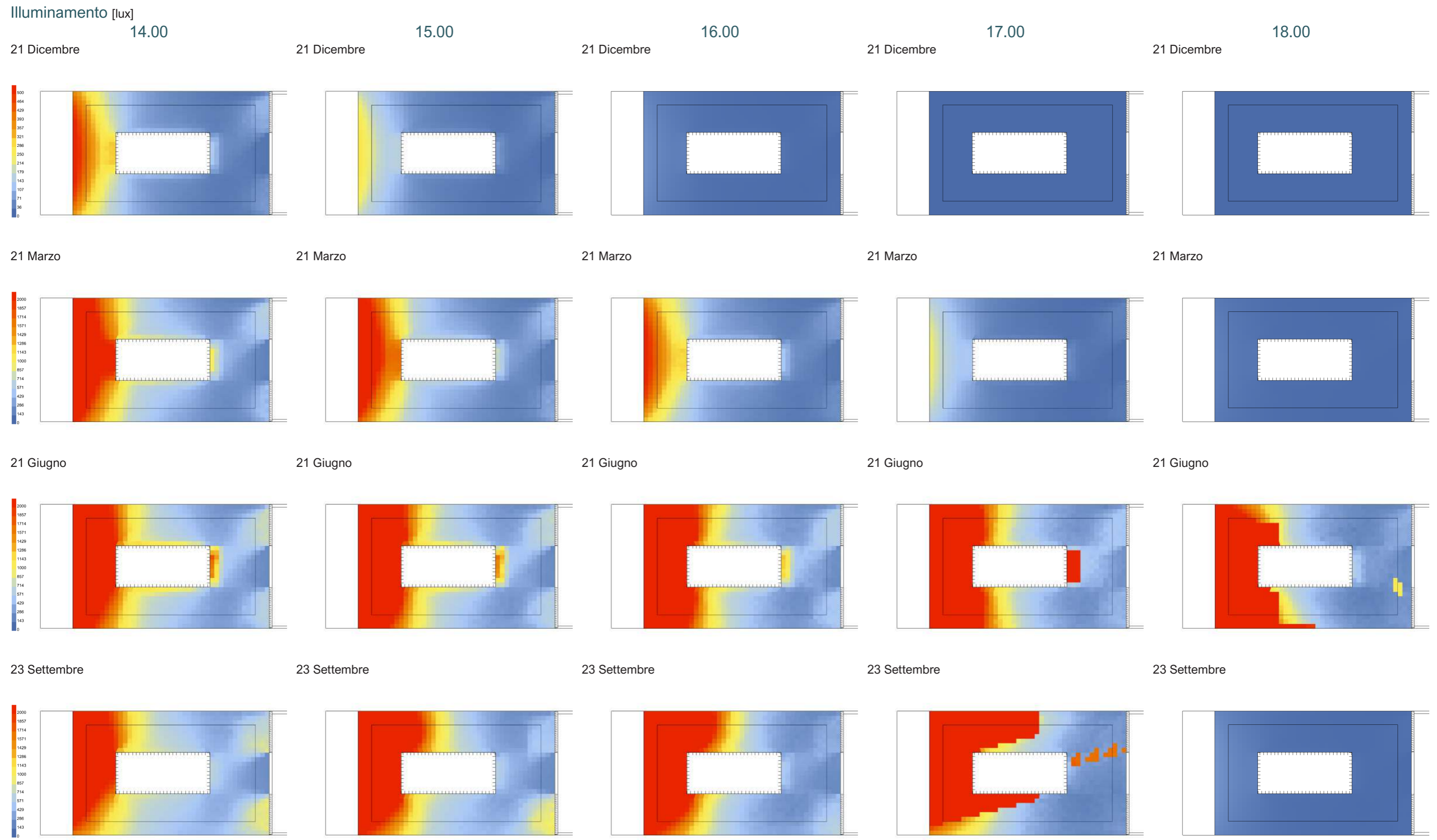
Annibale Alessandra
Chiesa Emily
Prelli Giulia



189 ANALISI ILLUMINOTECNICHE
SCHERMATURA CENTRO - PT

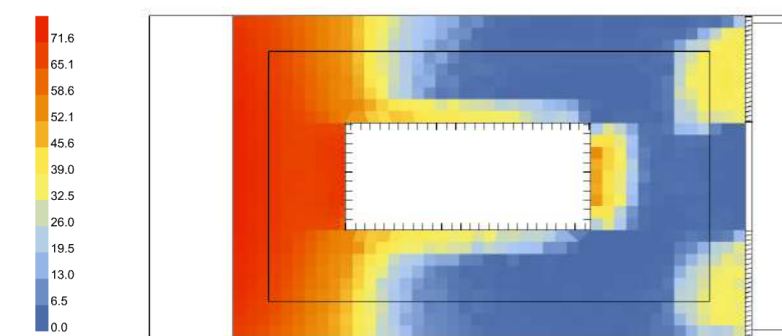


Annibale Alessandra
Chiesa Emily
Prelli Giulia

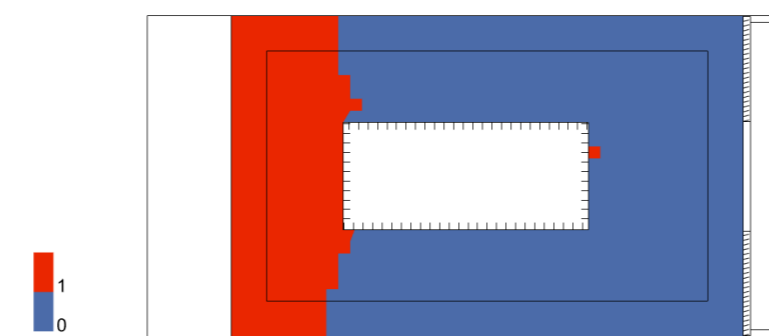


Annual Daylight

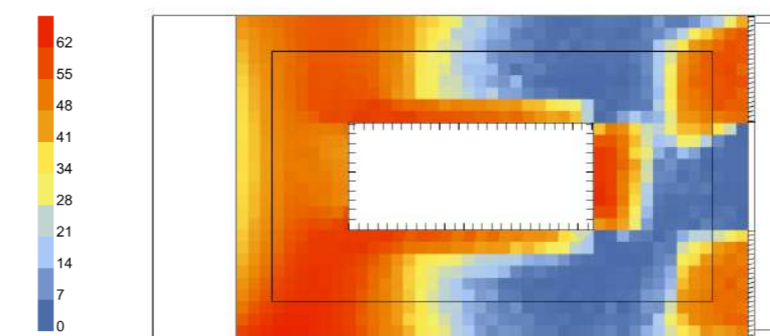
1. Daylight Autonomy (DA) - [%]



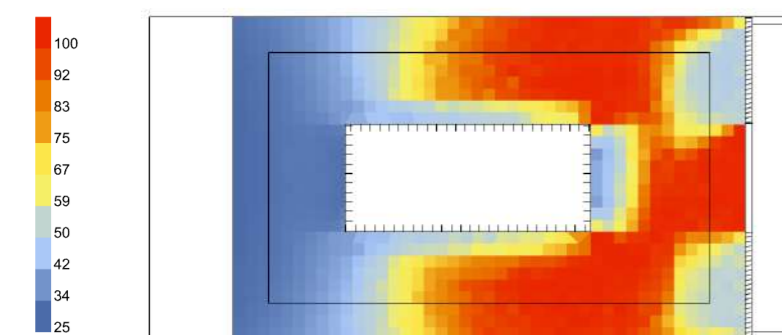
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



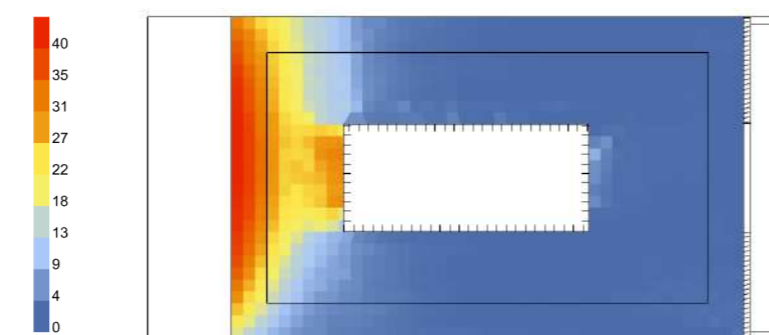
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

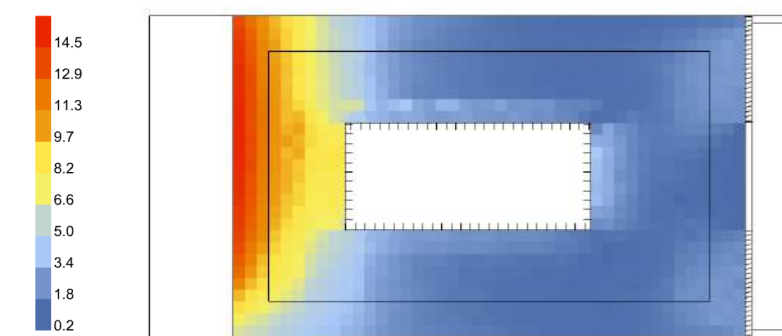


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

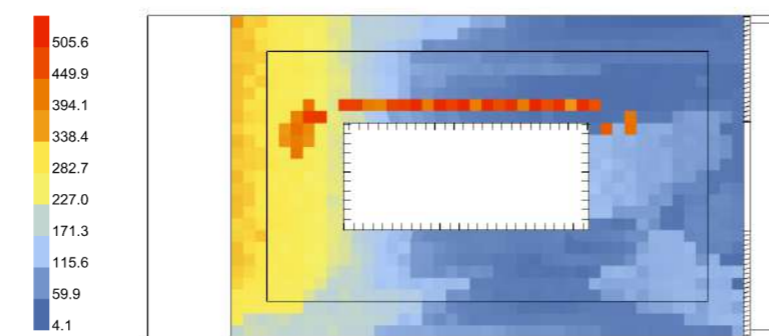


Annual Irradiance

1. Average Irradiance - [W/m²]

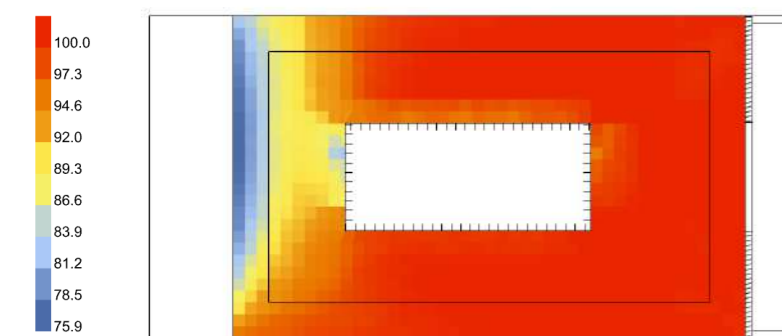


2. Peak Irradiance - [W/m²]



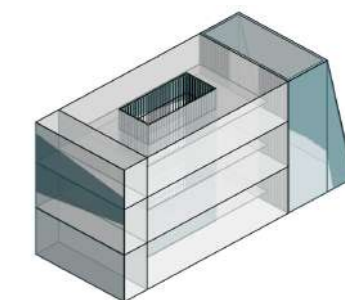
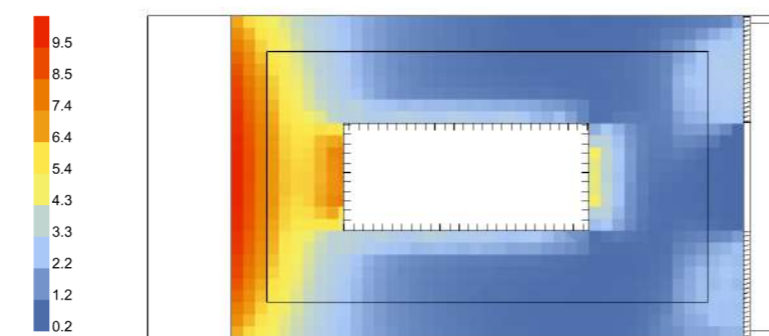
Annual Glare

1. Glare Autonomy (GA) - [%]

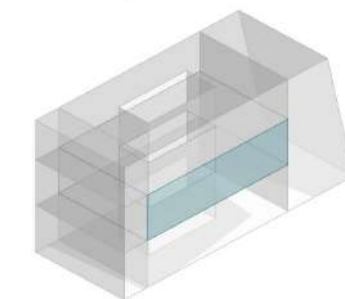


Daylight Factor

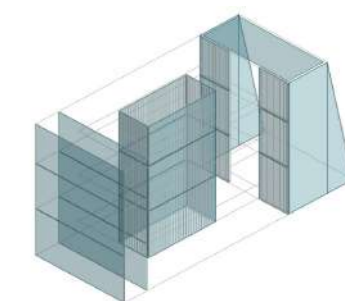
[%]



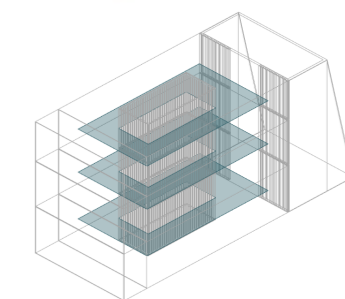
1. Modello Rhino



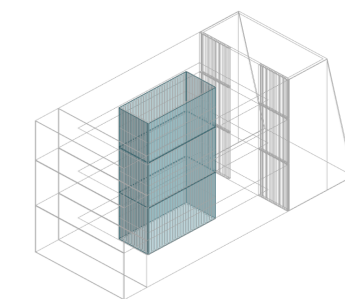
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



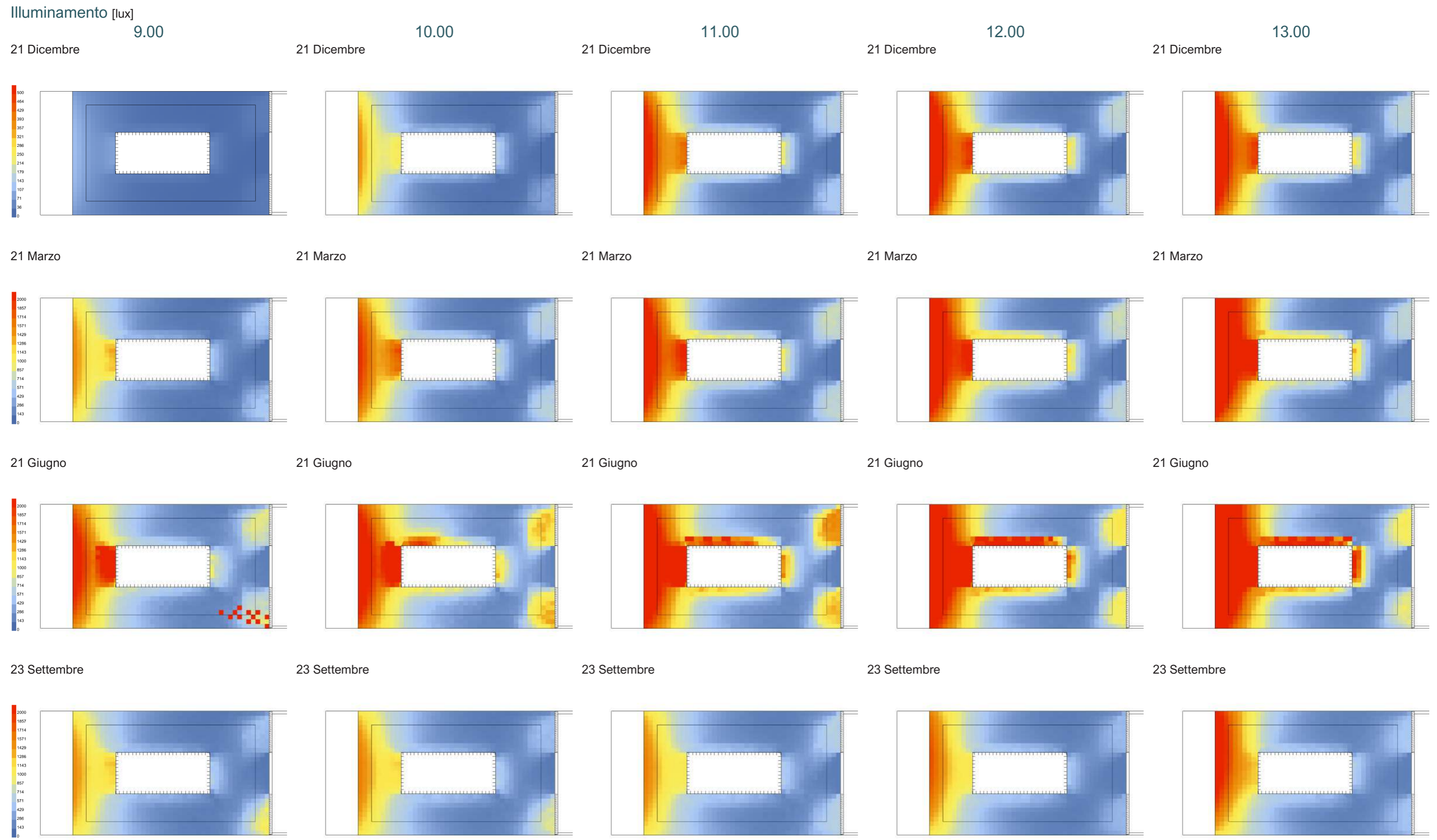
5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 0°

6. Modello HB
Moduli PTFE
Assenti

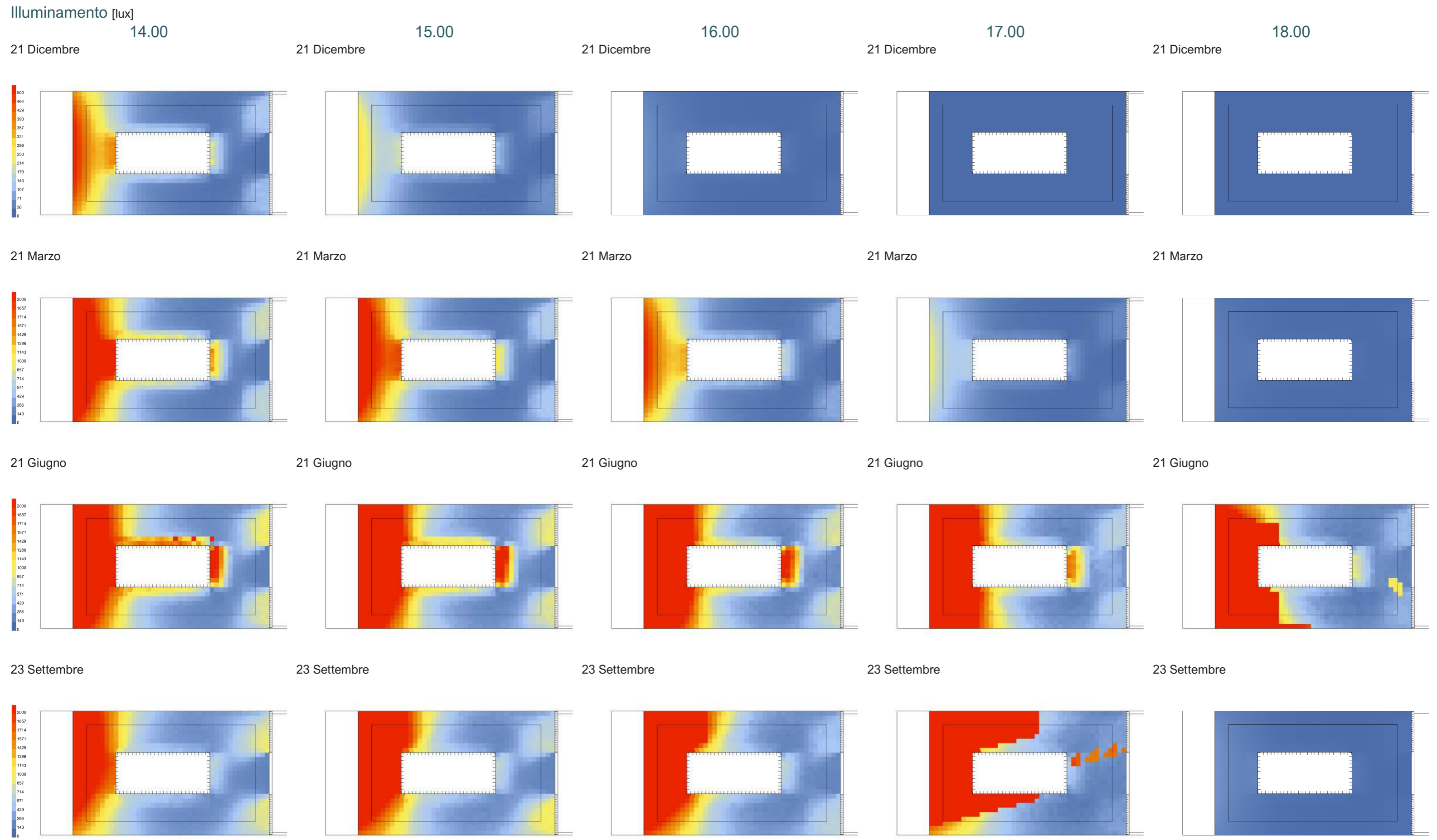
191 ANALISI ILLUMINOTECNICHE
SCHERMATURA CENTRO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia



192 ANALISI ILLUMINOTECNICHE
 SCHERMATURA CENTRO - P1



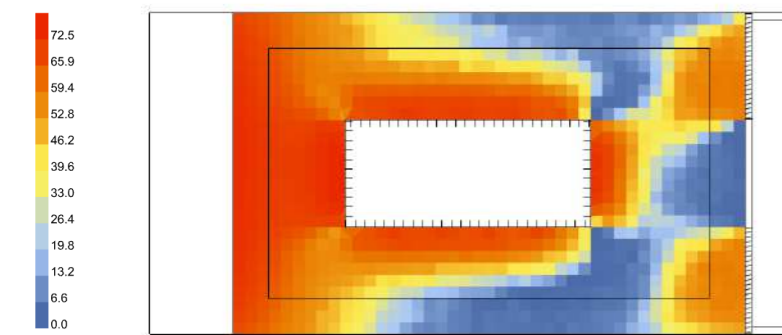
193 ANALISI ILLUMINOTECNICHE
SCHERMATURA CENTRO - P1



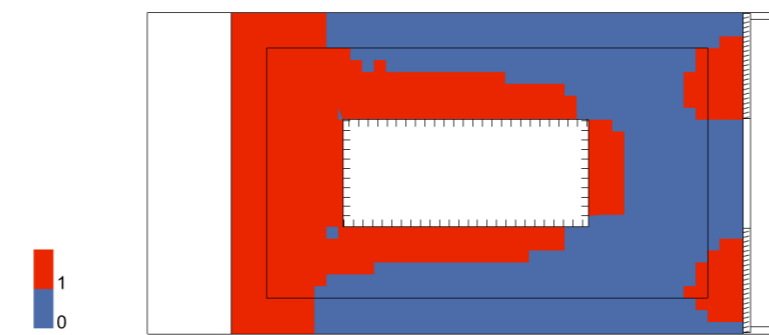
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

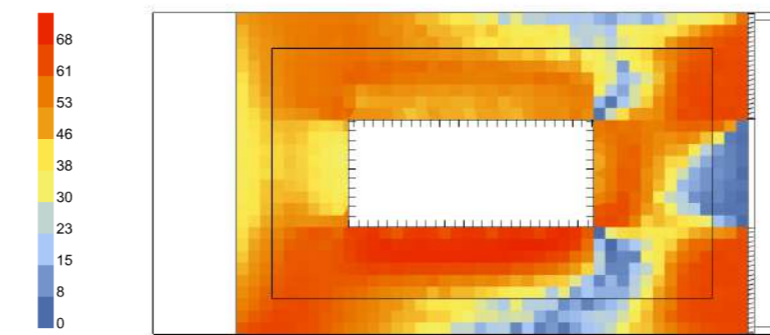
1. Daylight Autonomy (DA) - [%]



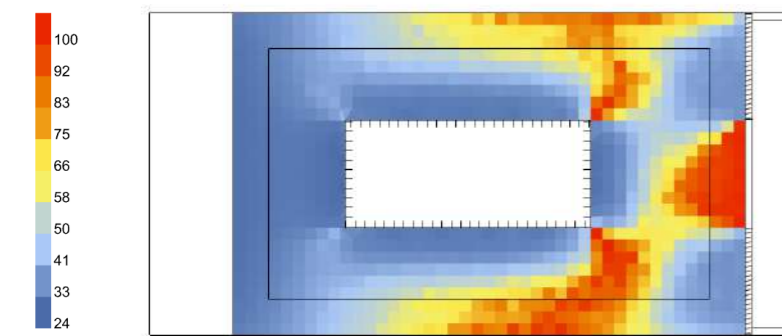
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



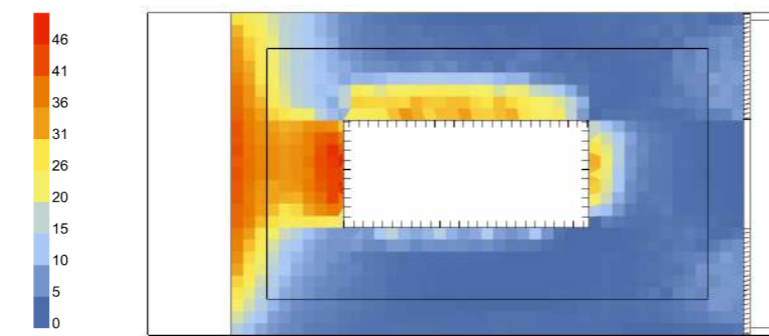
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

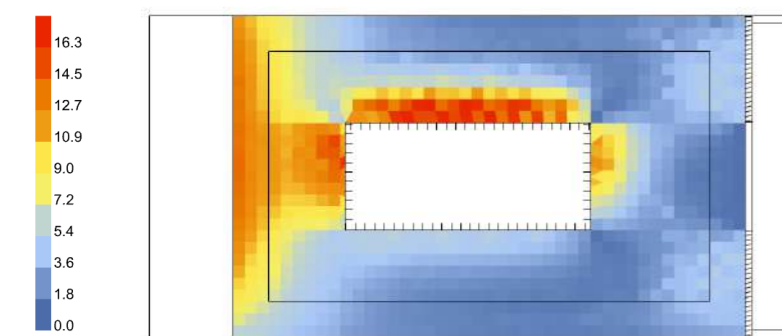


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

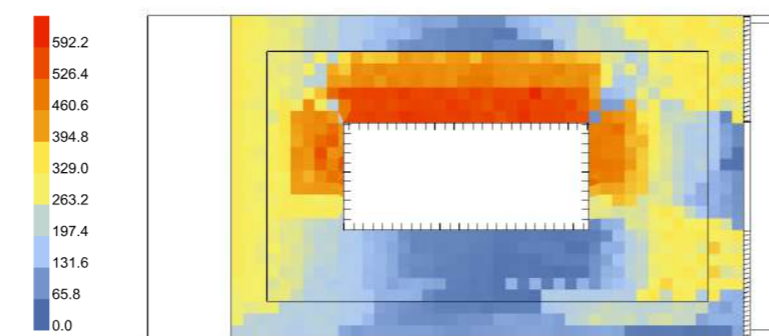


Annual Irradiance

1. Average Irradiance - [W/m²]

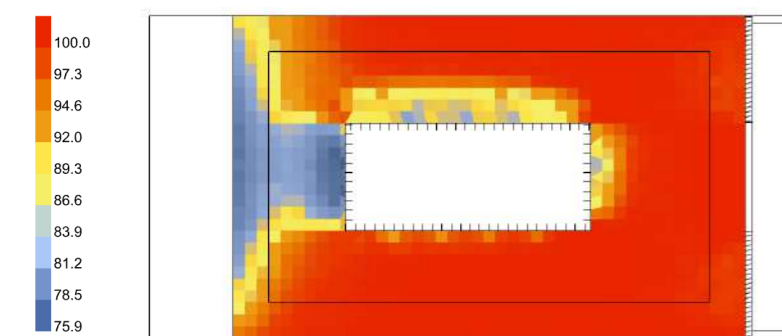


2. Peak Irradiance - [W/m²]



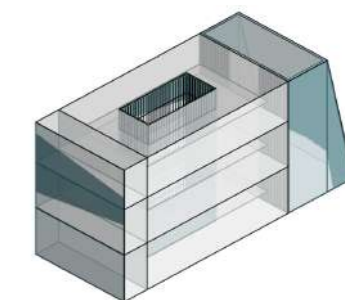
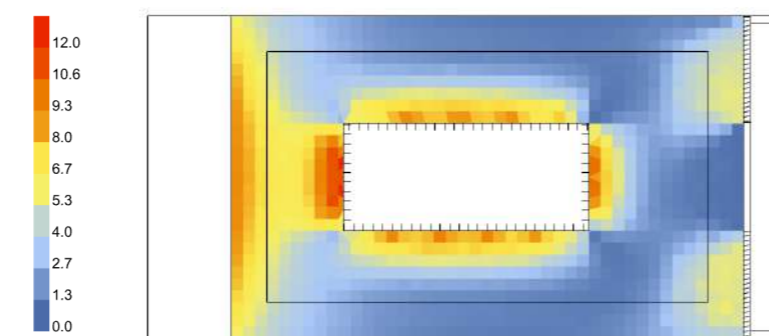
Annual Glare

1. Glare Autonomy (GA) - [%]

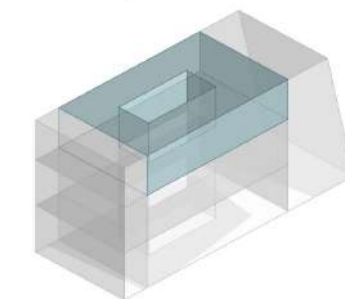


Daylight Factor

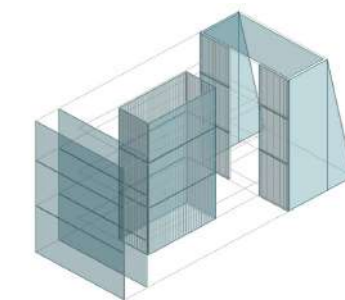
[%]



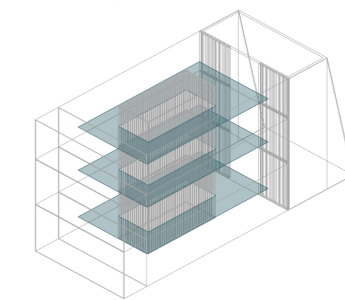
1. Modello Rhino



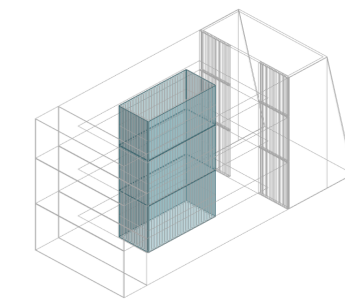
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



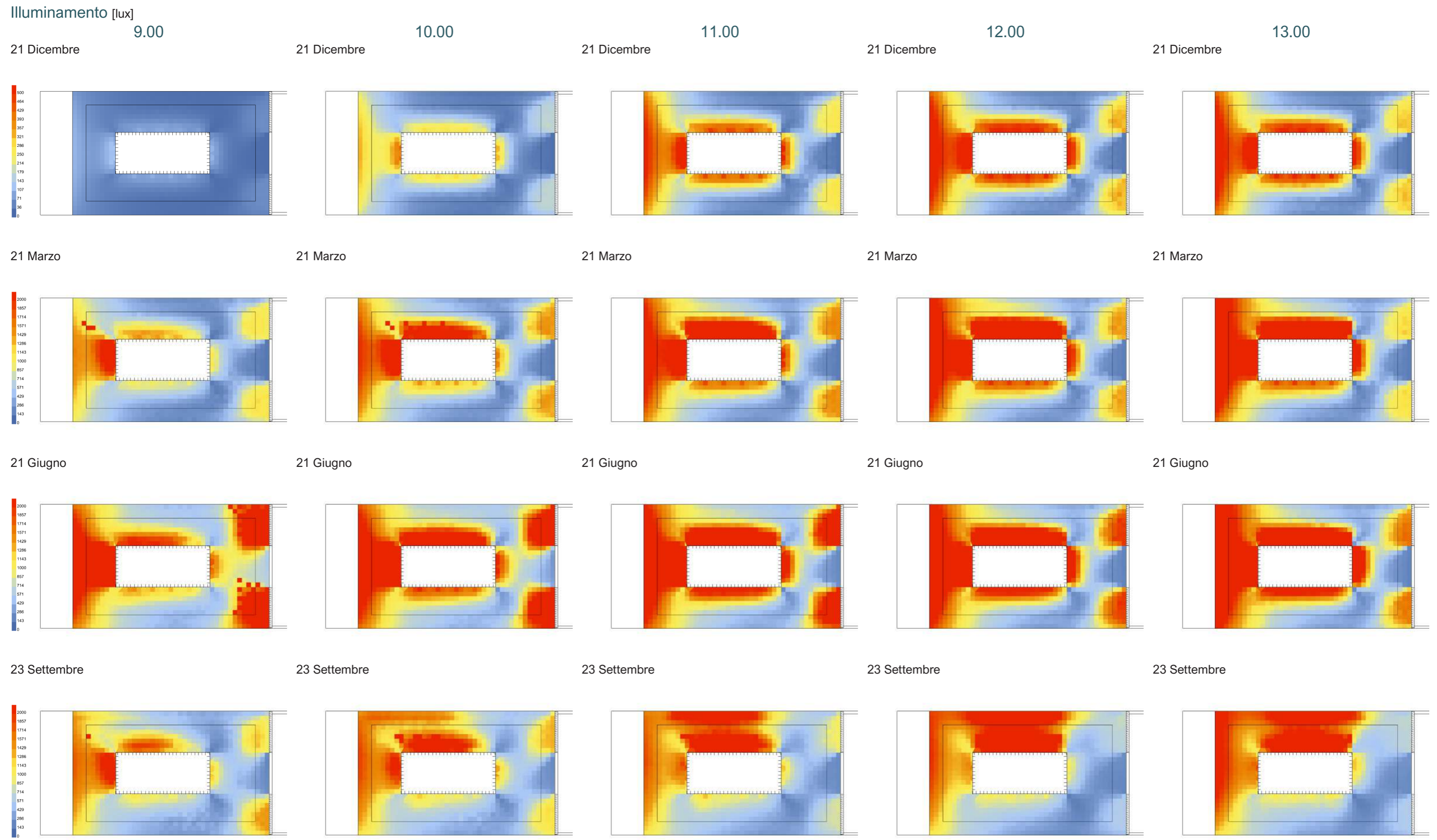
4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 0°



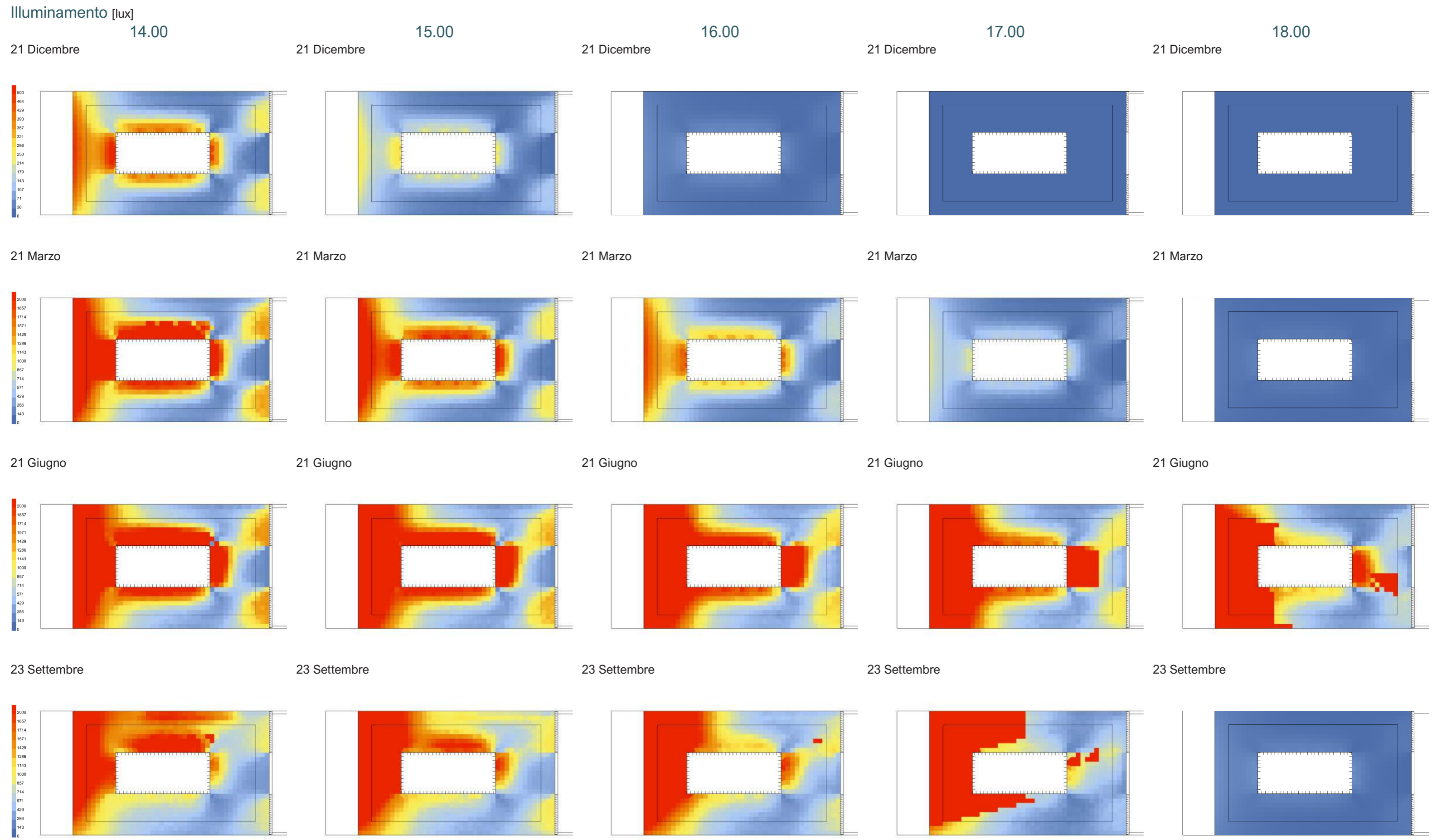
6. Modello HB
Moduli PTFE
Assenti



195 ANALISI ILLUMINOTECNICHE
 SCHERMATURA CENTRO - P2



Annibale Alessandra
 Chiesa Emily
 Prelli Giulia



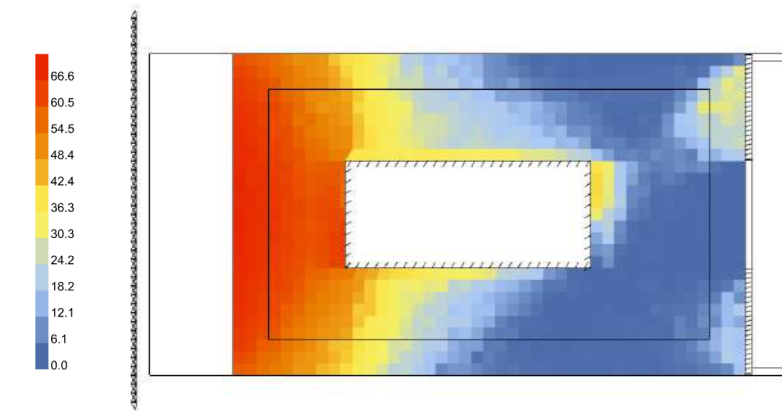
196 ANALISI ILLUMINOTECNICHE
SCHERMATURA CENTRO - P2



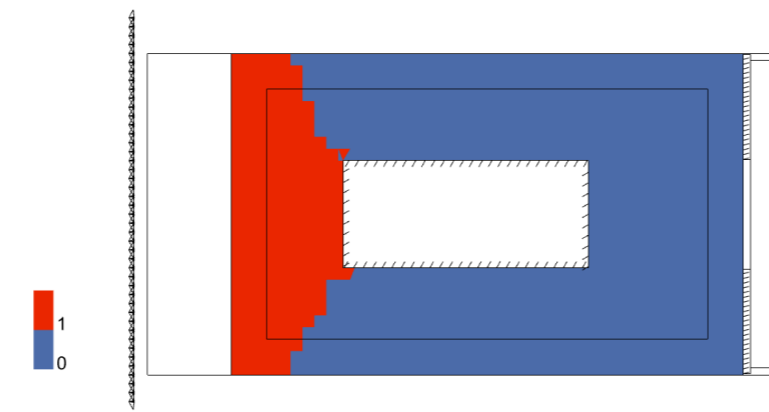
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

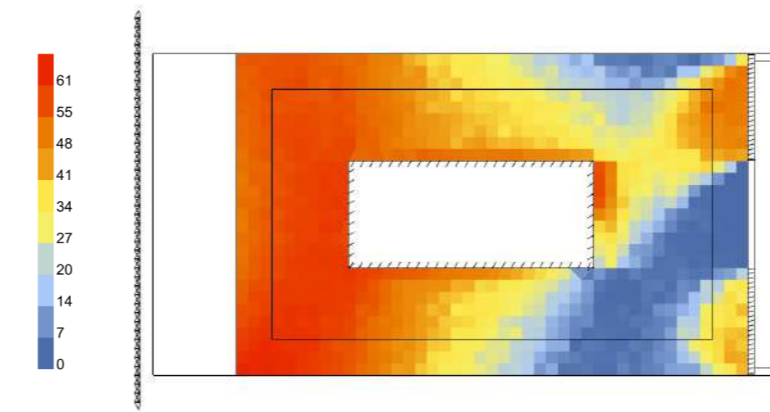
1. Daylight Autonomy (DA) - [%]



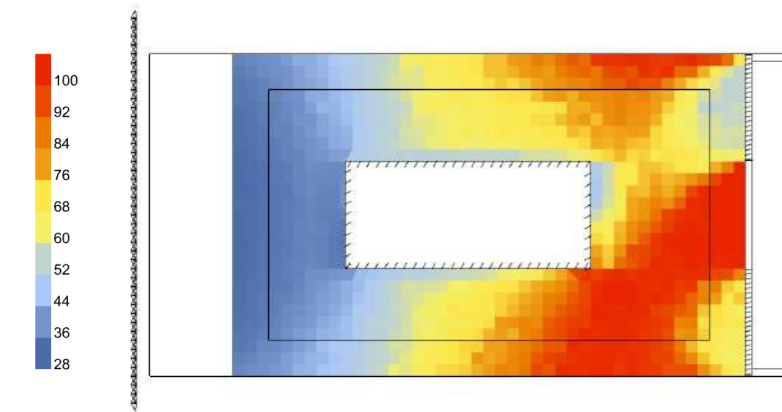
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



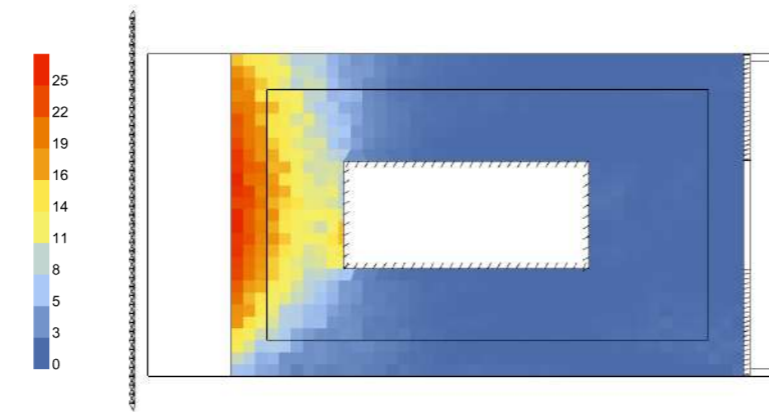
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

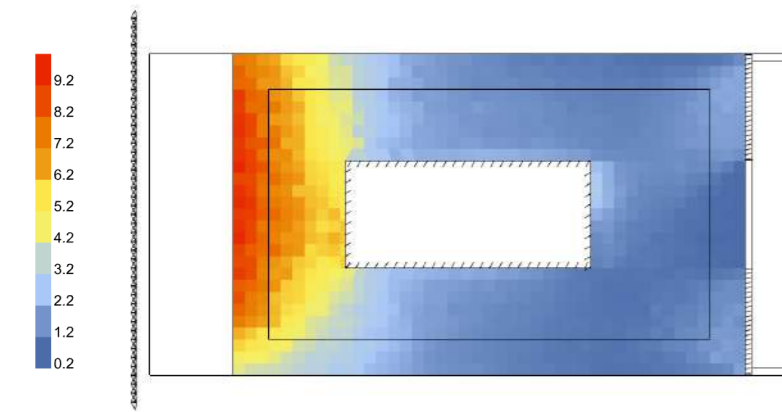


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

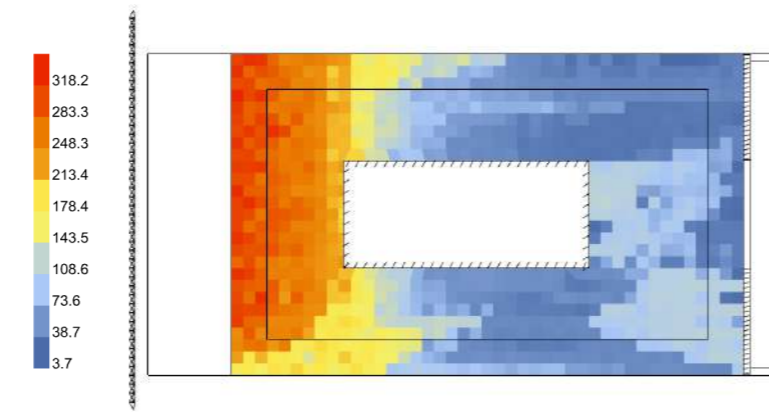


Annual Irradiance

1. Average Irradiance - [W/m²]

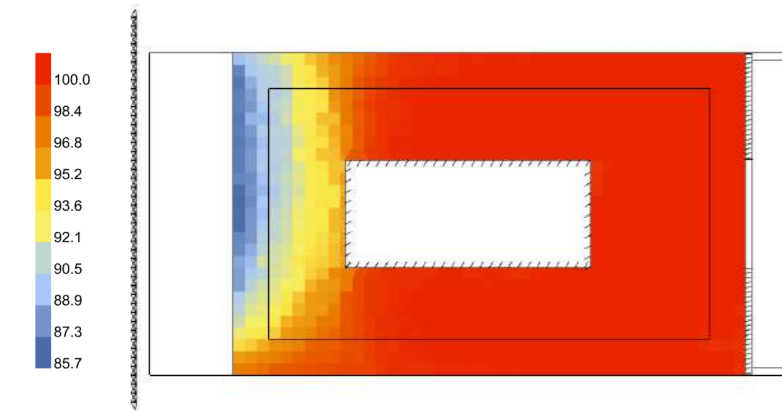


2. Peak Irradiance - [W/m²]



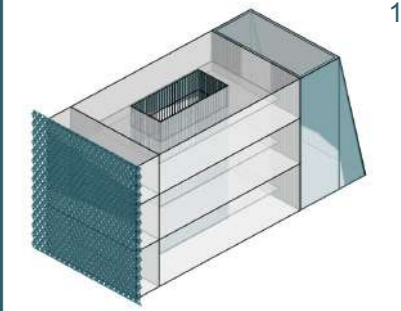
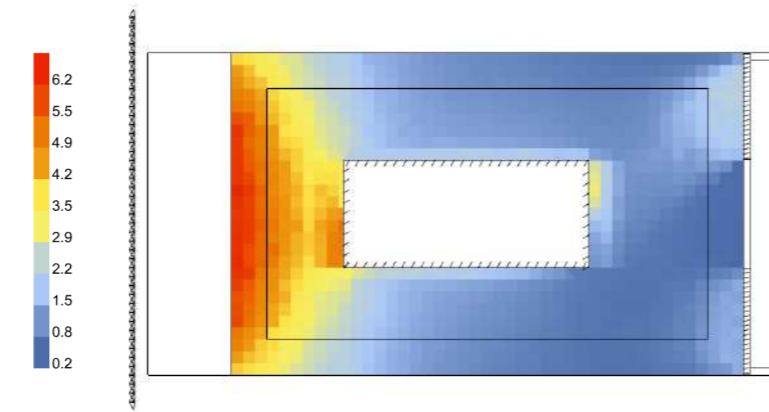
Annual Glare

1. Glare Autonomy (GA) - [%]

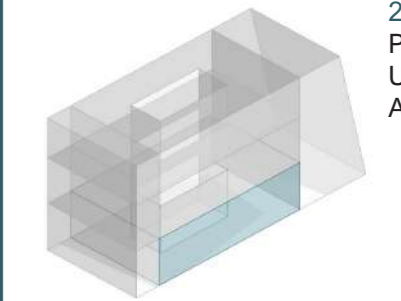


Daylight Factor

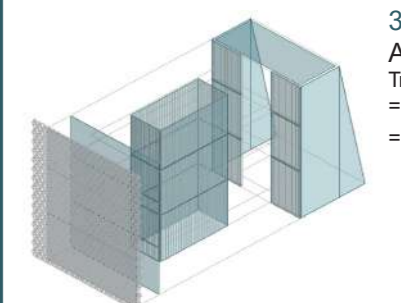
[%]



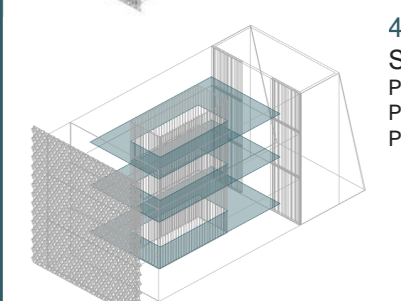
1. Modello Rhino



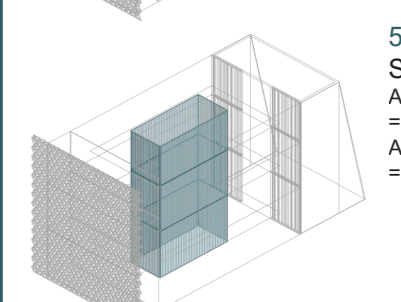
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



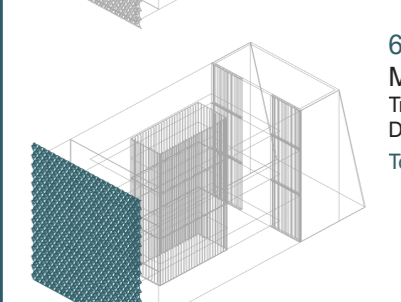
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 30°



6. Modello HB
Moduli PTFE
Trasmissione = 0,3
Distanza = 0,60 cm
Totalmente chiuso

197 ANALISI ILLUMINOTECNICHE
MODULI CHIUSI - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

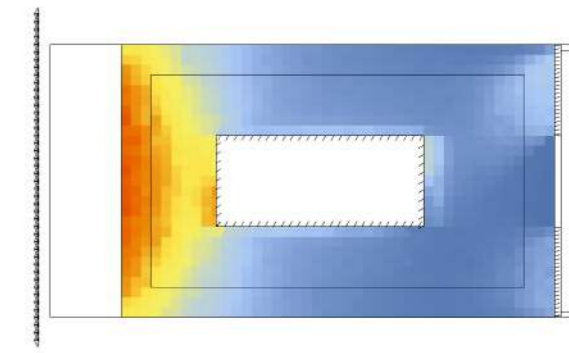
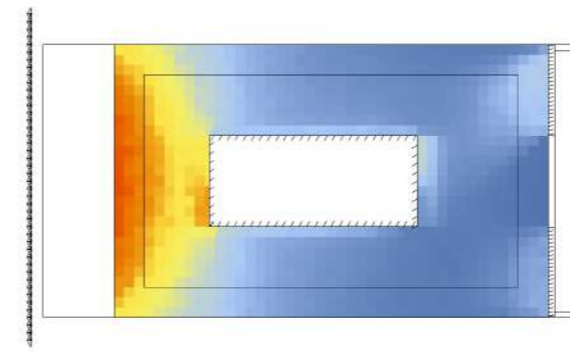
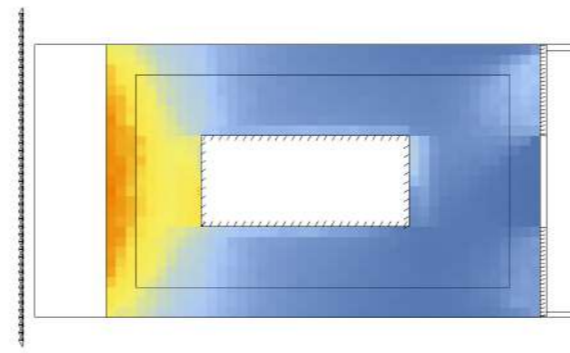
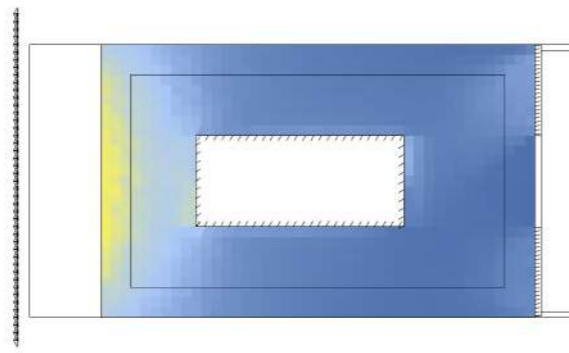
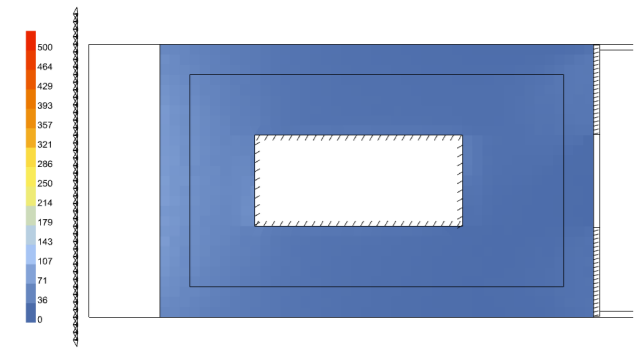
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



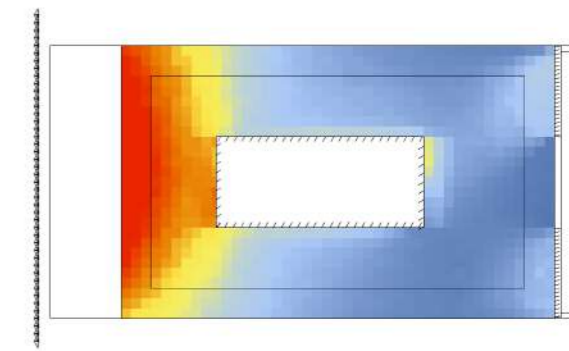
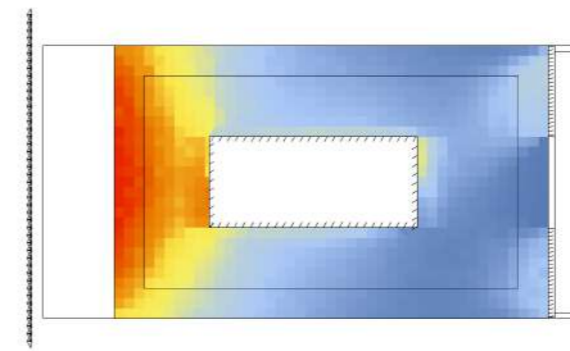
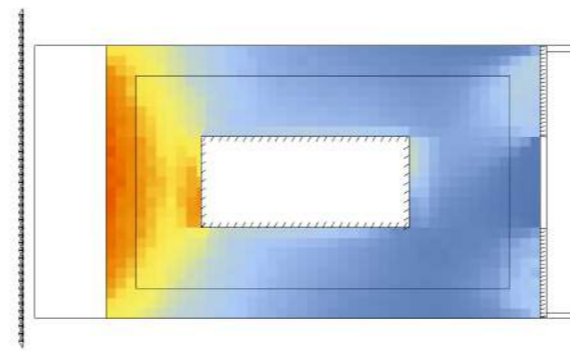
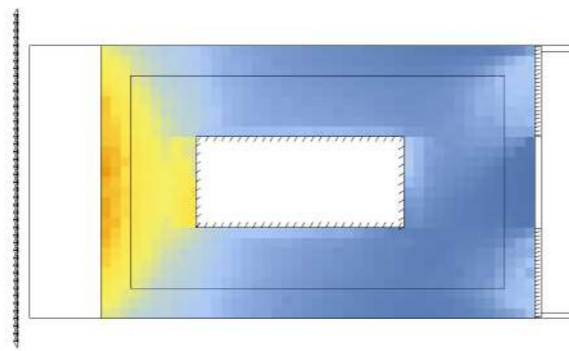
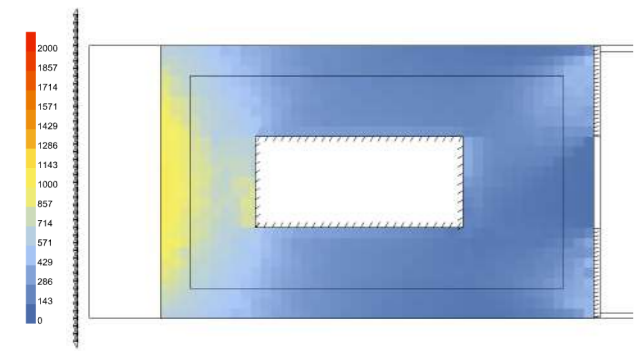
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



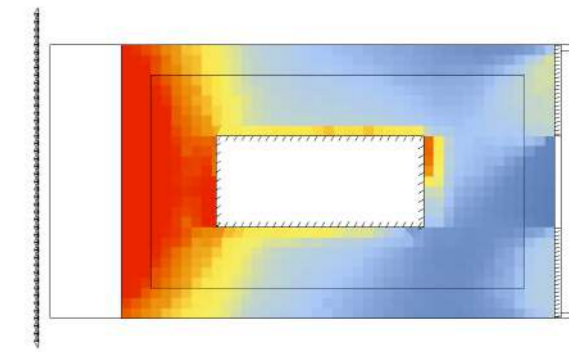
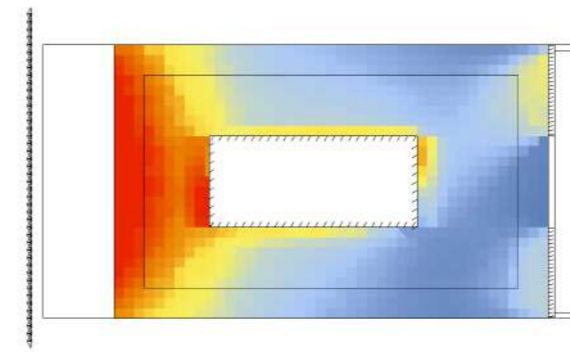
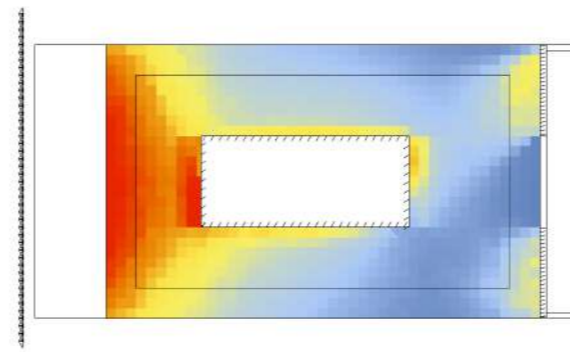
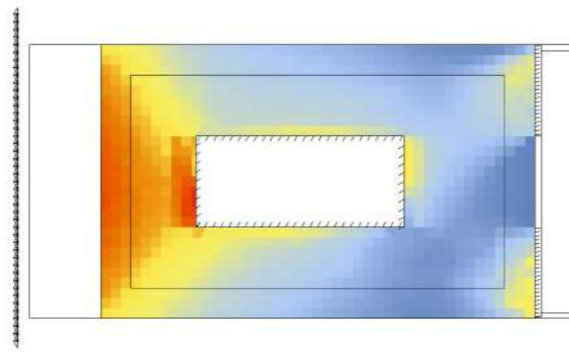
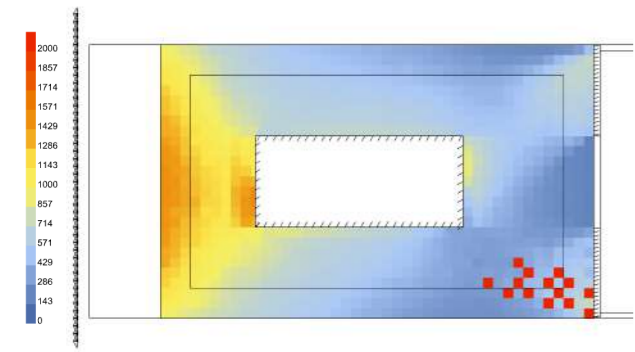
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



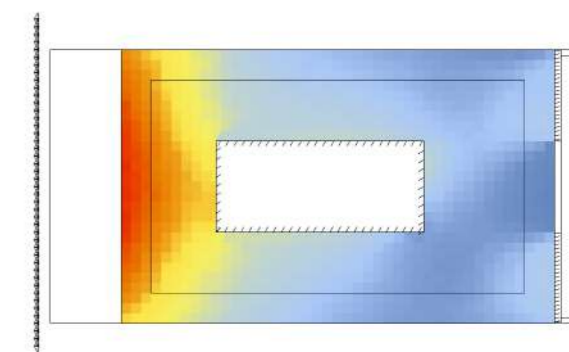
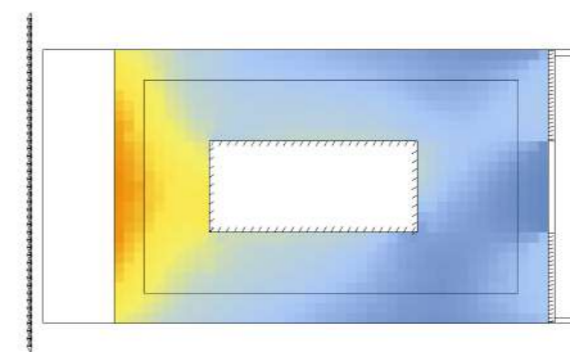
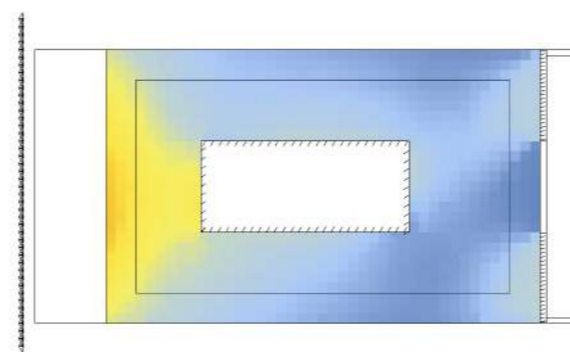
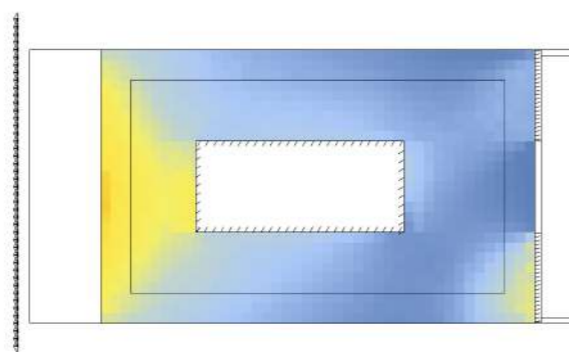
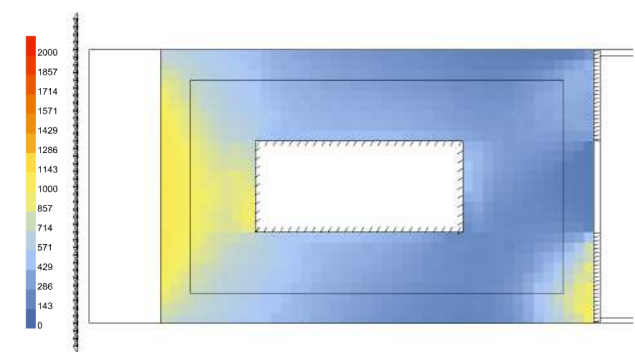
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



198 ANALISI ILLUMINOTECNICHE
MODULI CHIUSI - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno

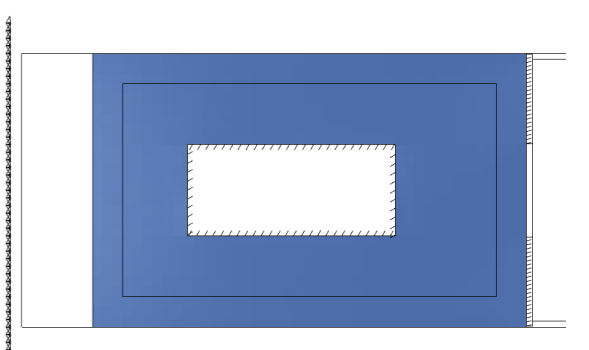
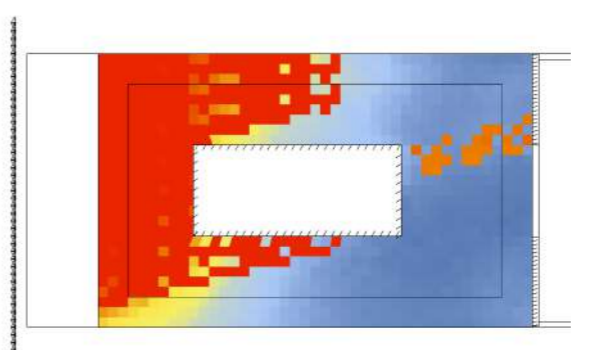
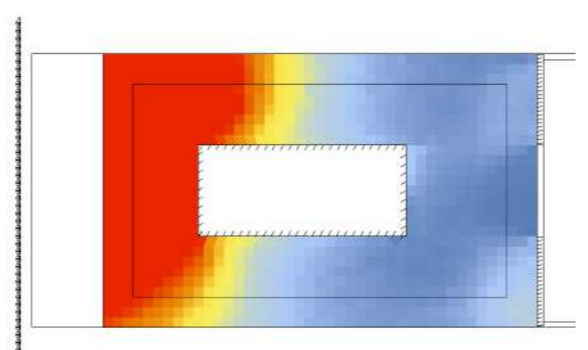
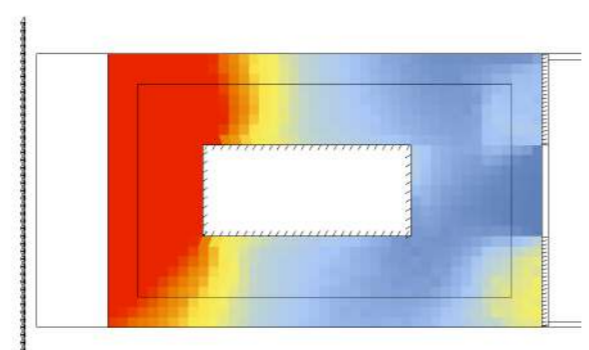
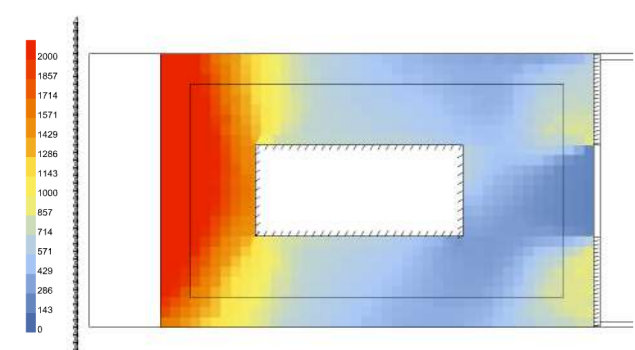
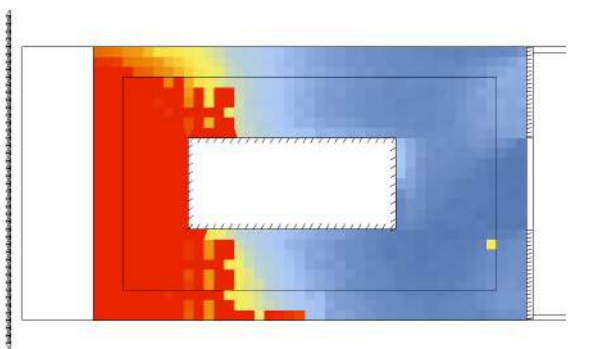
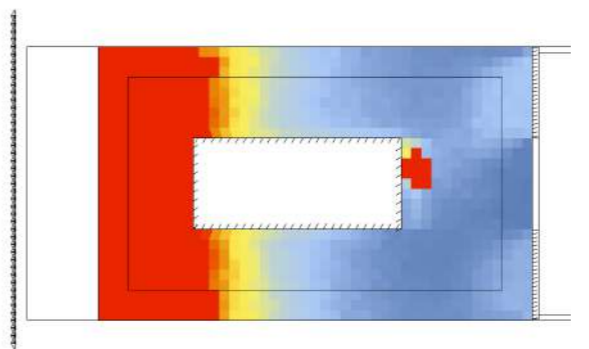
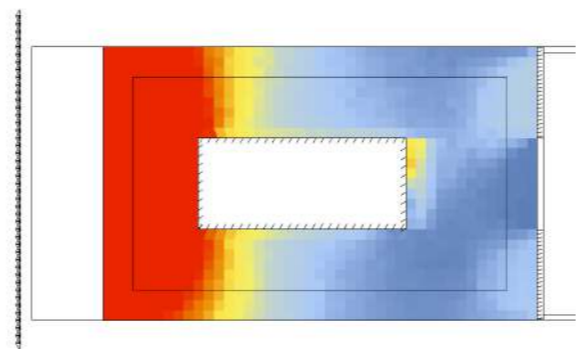
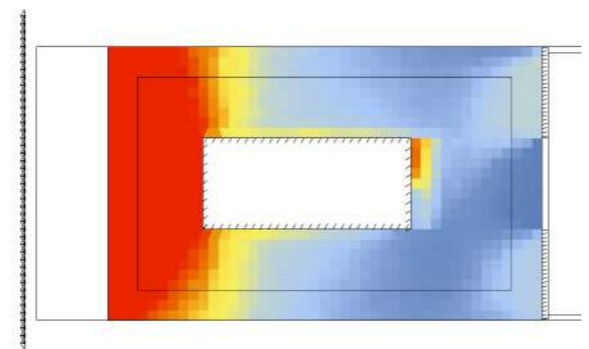
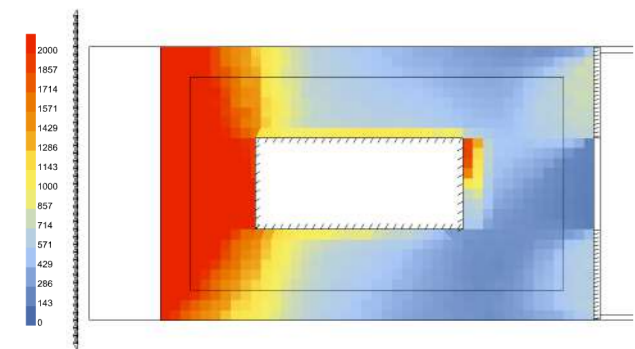
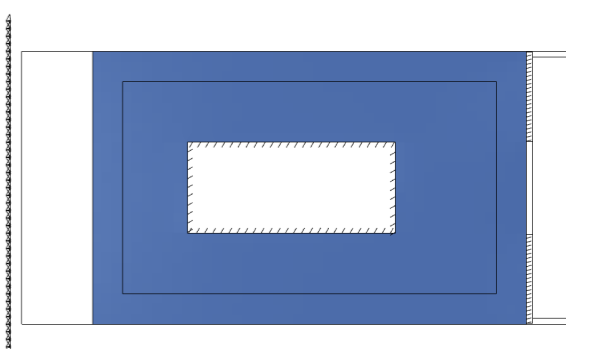
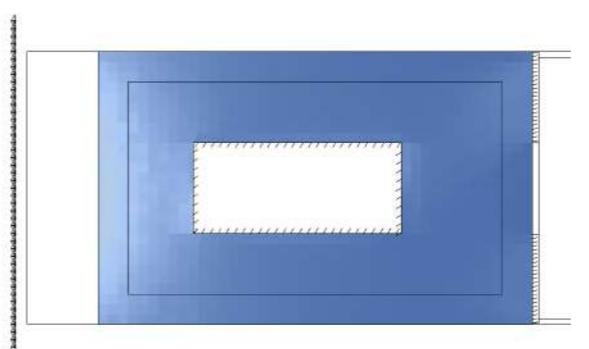
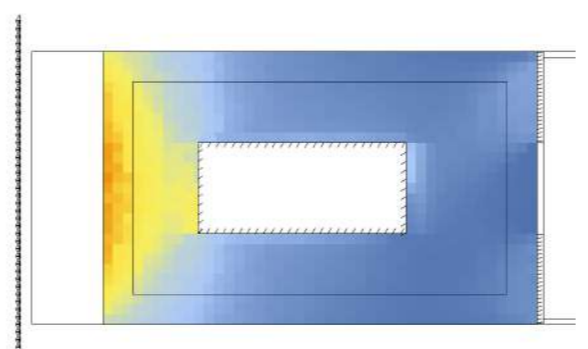
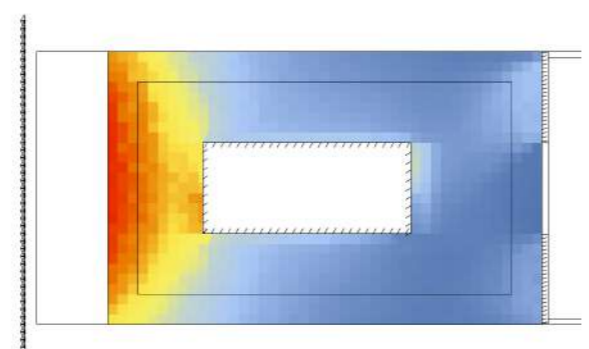
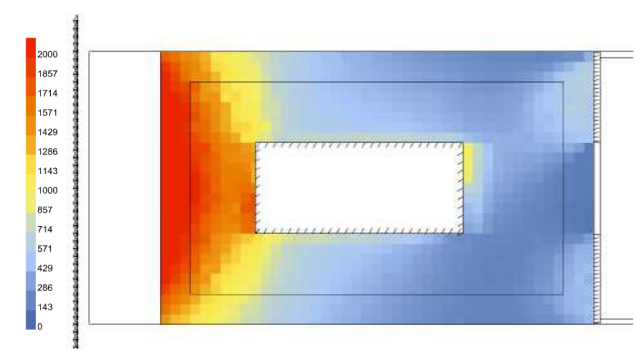
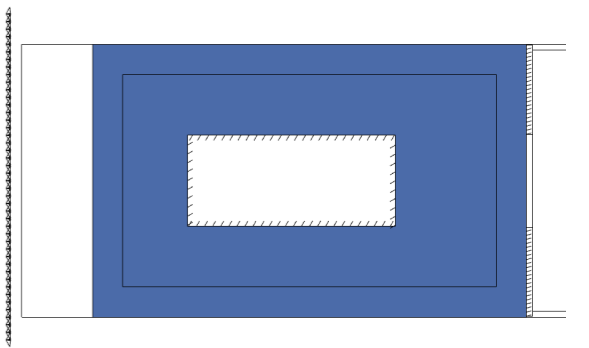
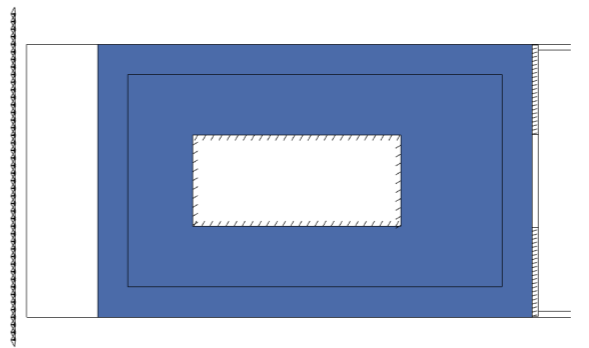
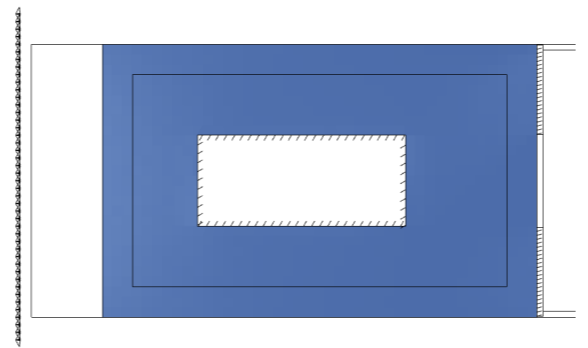
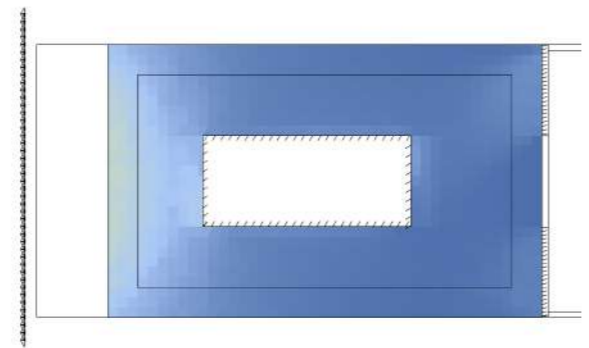
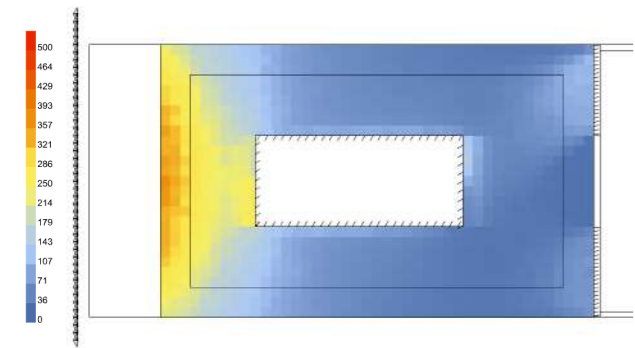
23 Settembre

23 Settembre

23 Settembre

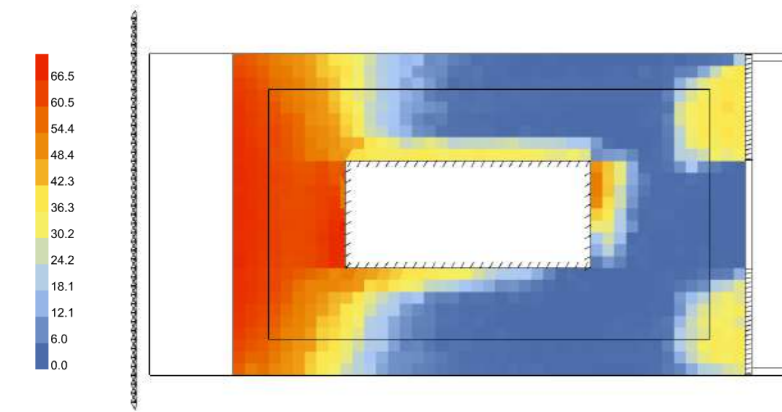
23 Settembre

23 Settembre

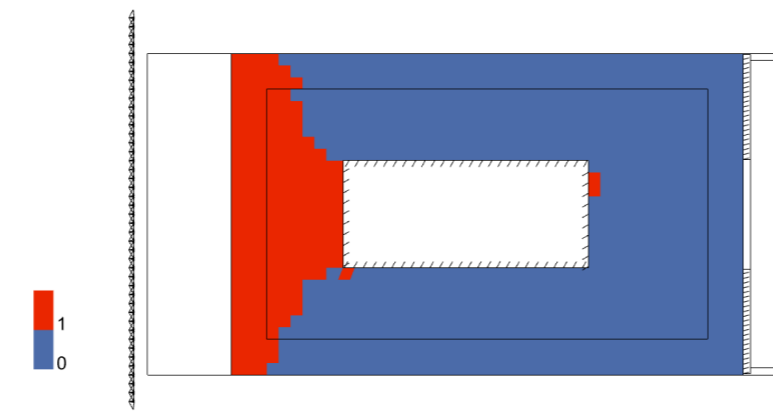


Annual Daylight

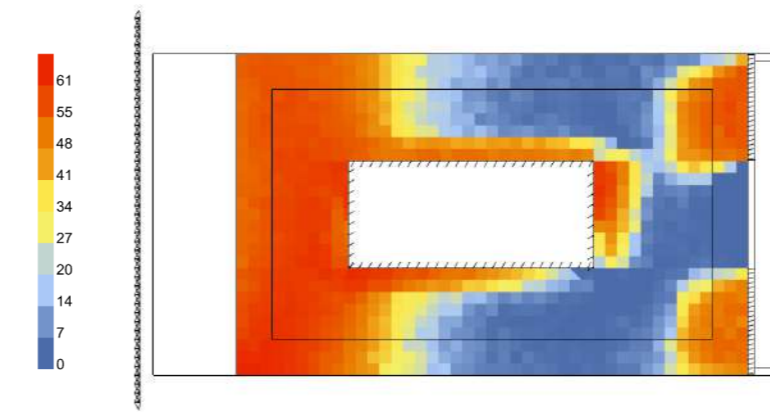
1. Daylight Autonomy (DA) - [%]



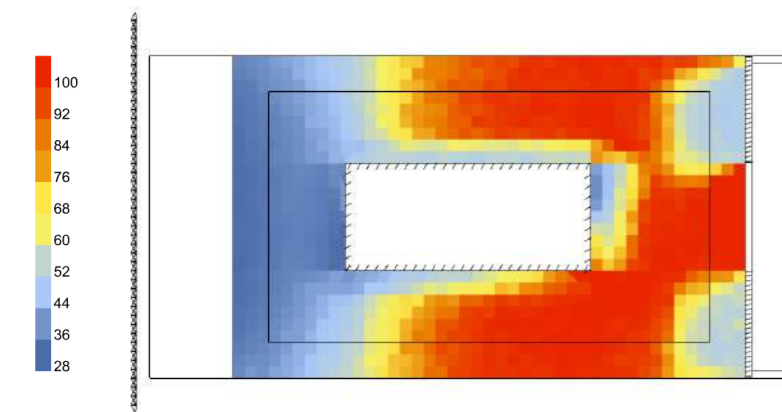
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



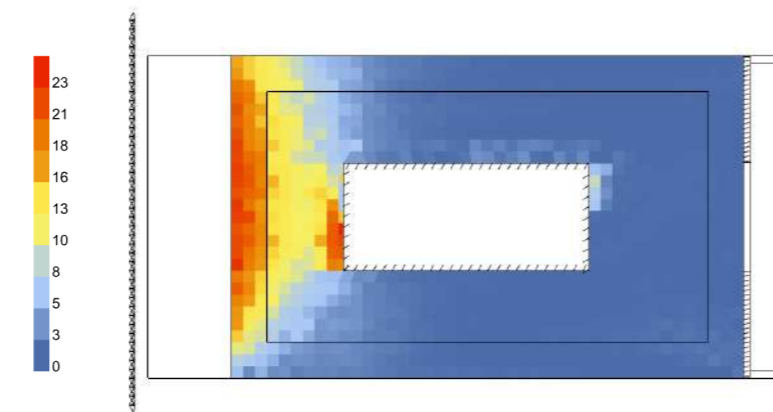
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

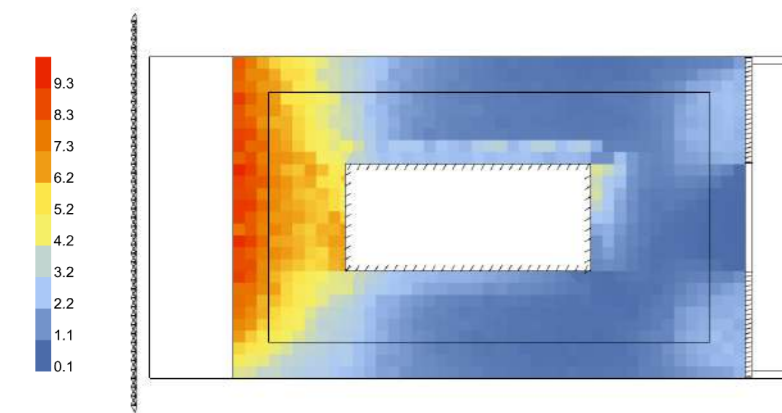


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

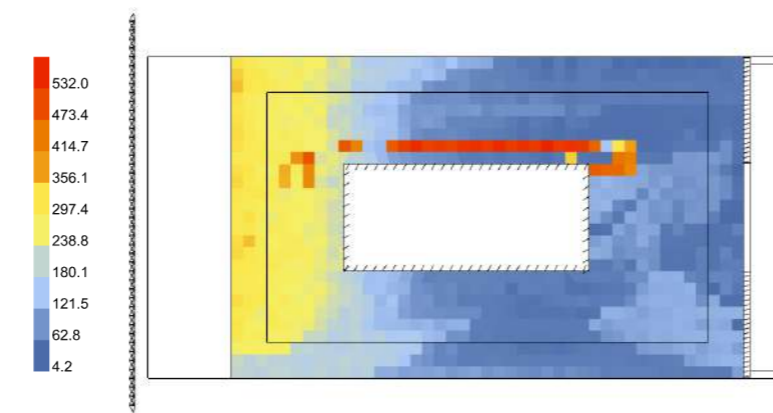


Annual Irradiance

1. Average Irradiance - [W/m²]

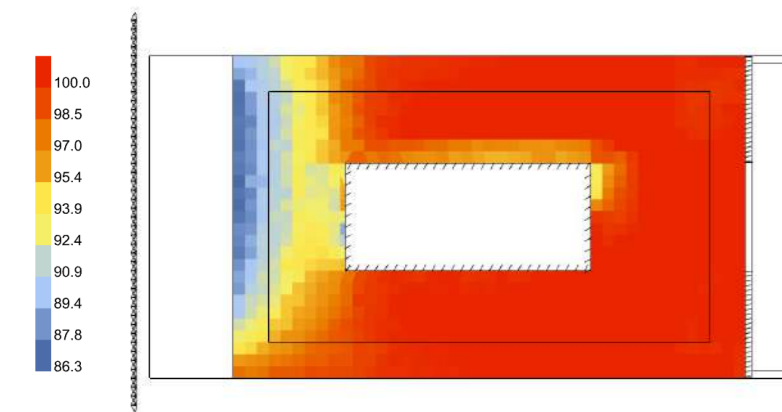


2. Peak Irradiance - [W/m²]



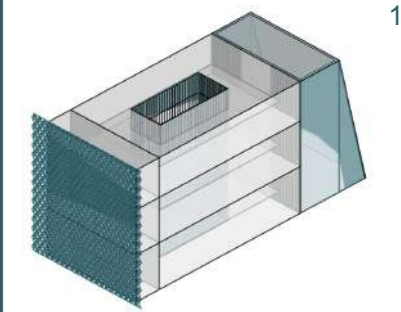
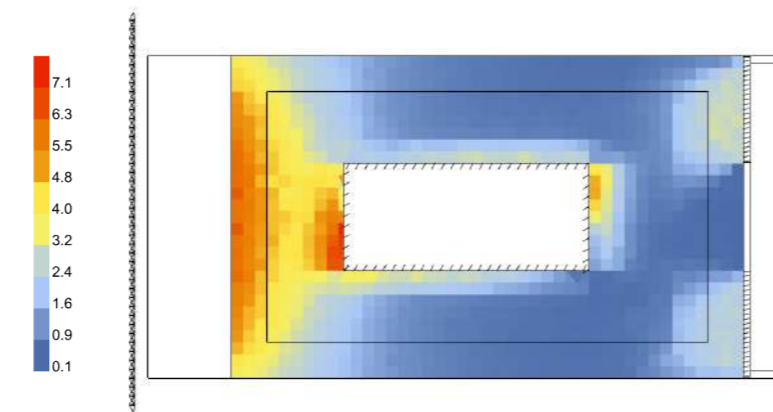
Annual Glare

1. Glare Autonomy (GA) - [%]

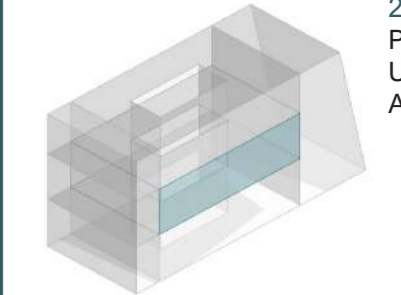


Daylight Factor

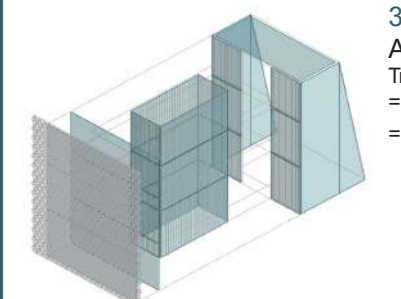
[%]



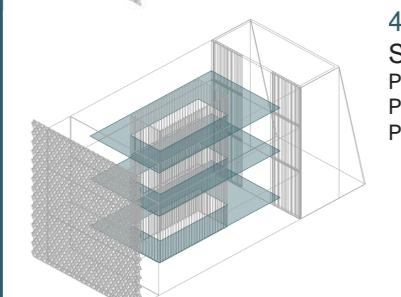
1. Modello Rhino



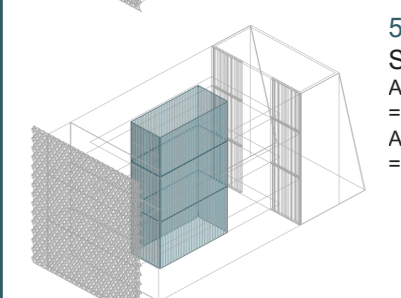
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



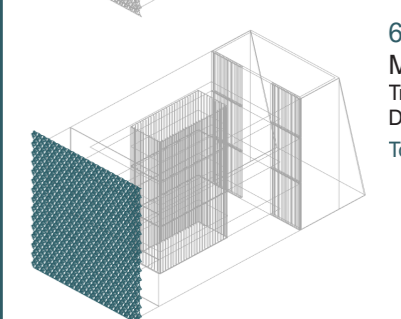
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 30°

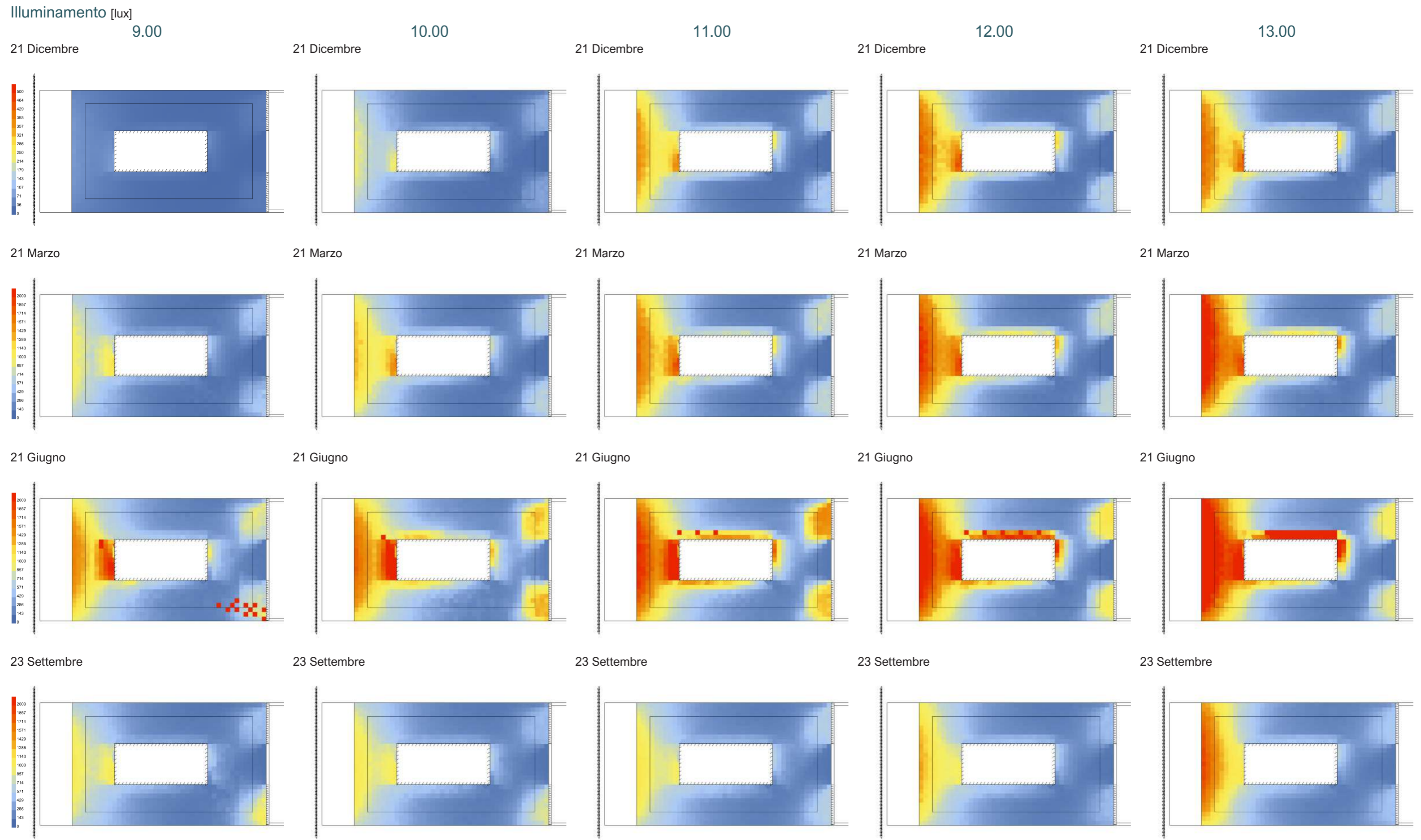


6. Modello HB
Moduli PTFE
Trasmissione = 0,3
Distanza = 0,60 cm
Totalmente chiuso

200 ANALISI ILLUMINOTECNICHE
MODULI CHIUSI - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia



201 ANALISI ILLUMINOTECNICHE
MODULI CHIUSI - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

14.00

15.00

16.00

17.00

18.00

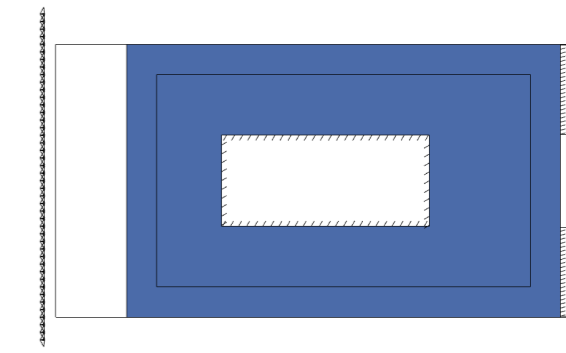
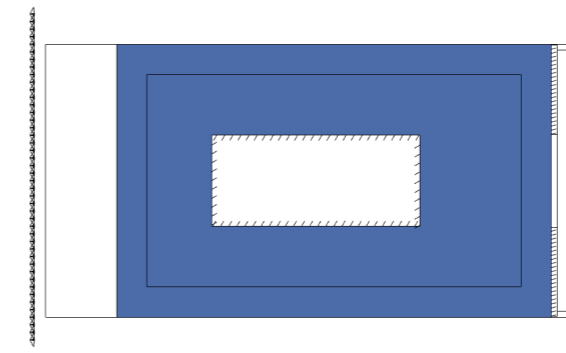
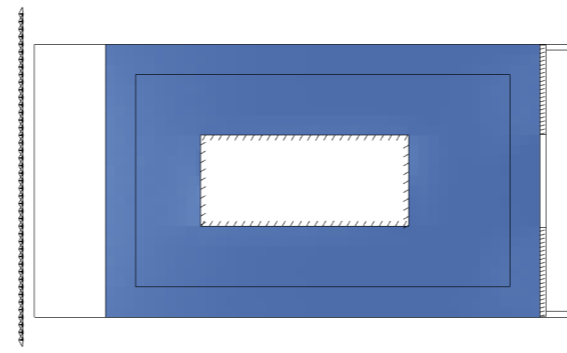
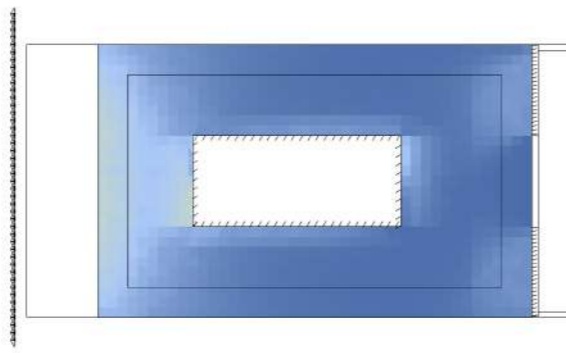
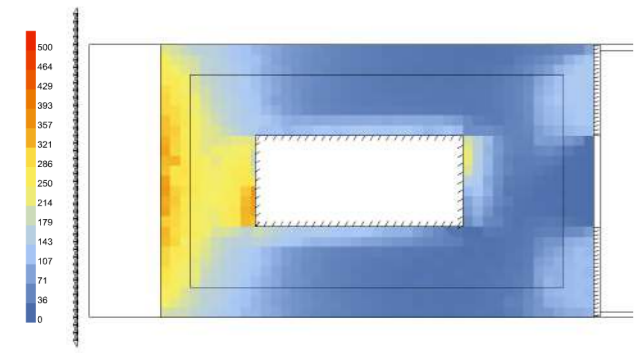
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



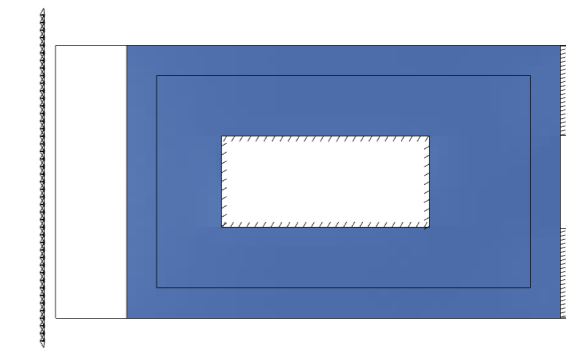
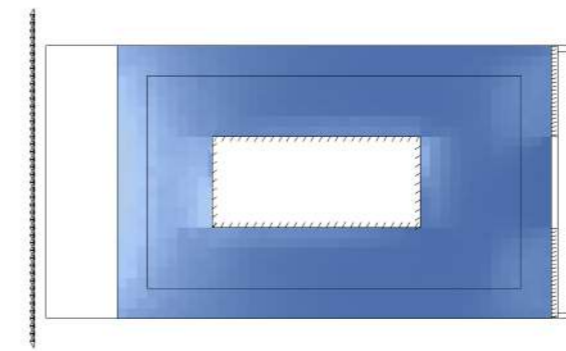
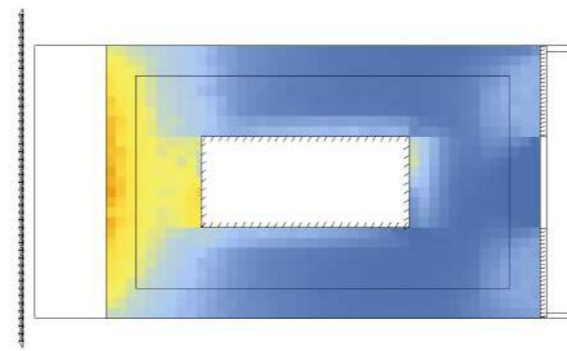
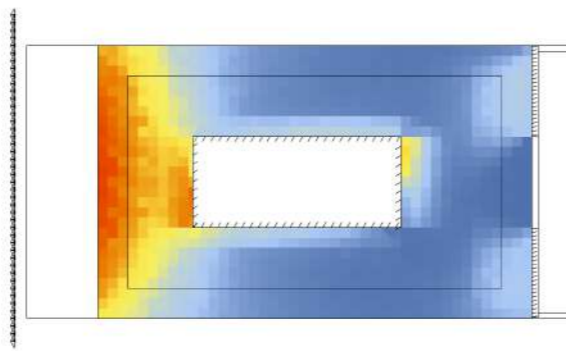
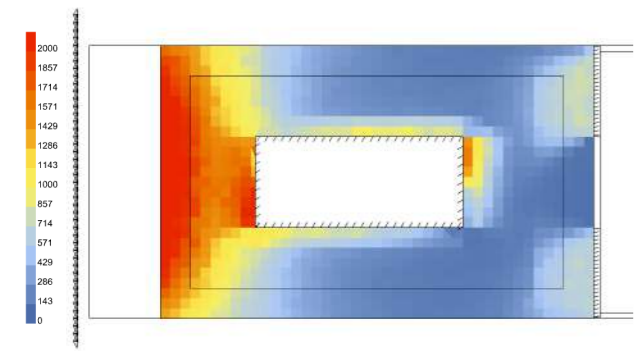
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



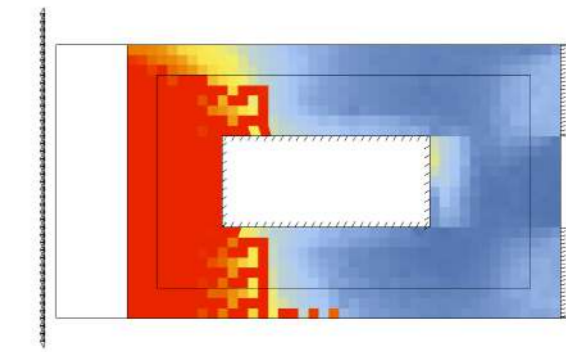
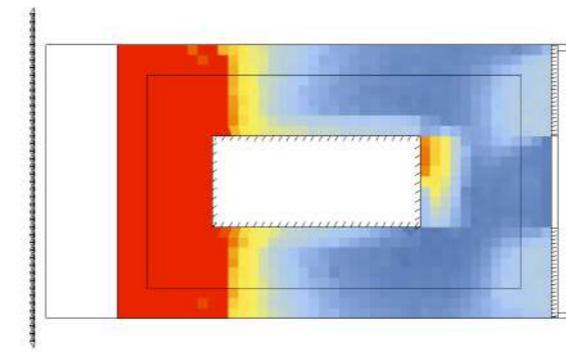
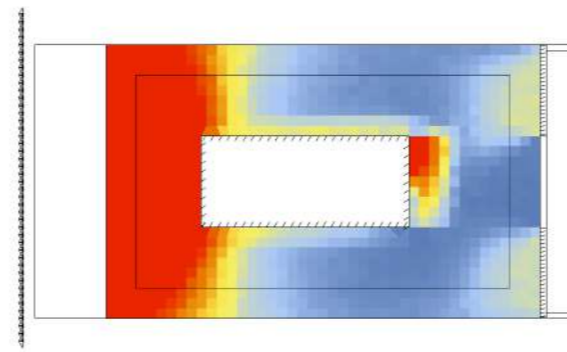
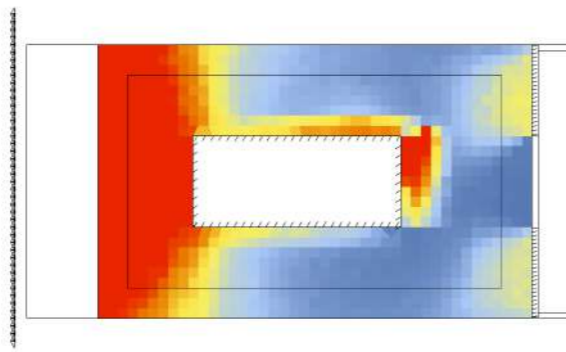
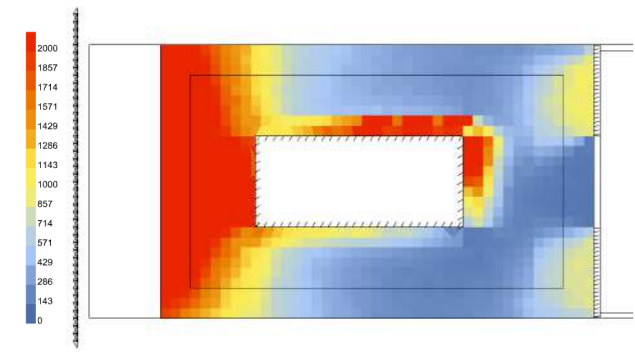
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



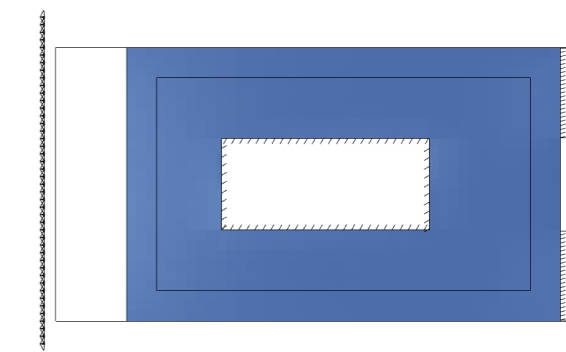
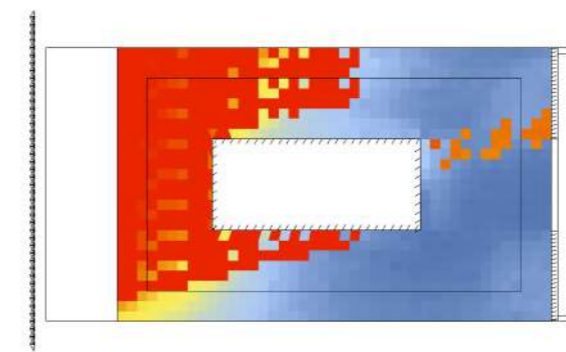
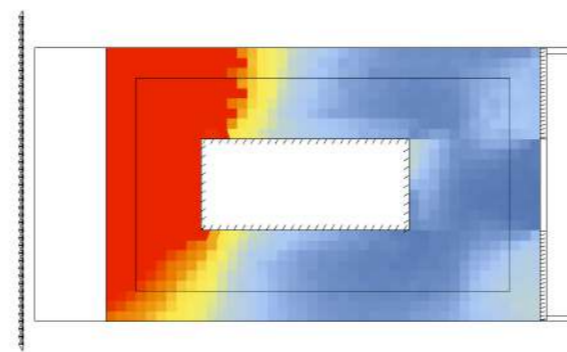
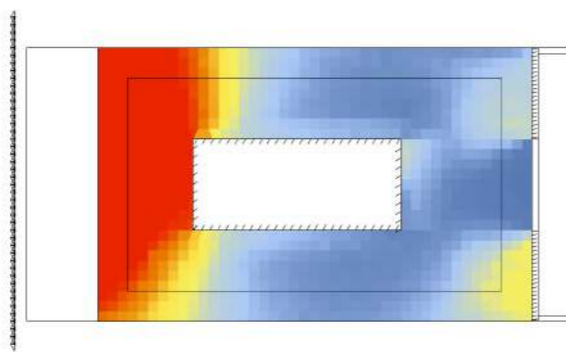
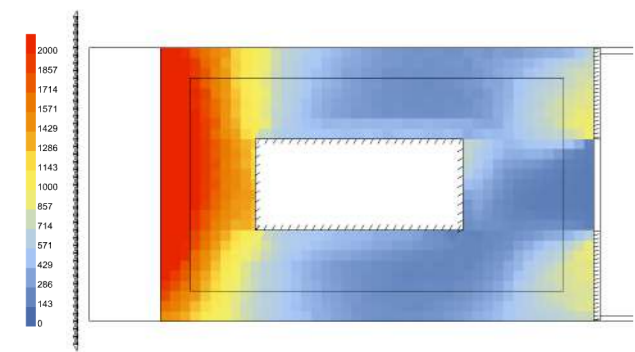
23 Settembre

23 Settembre

23 Settembre

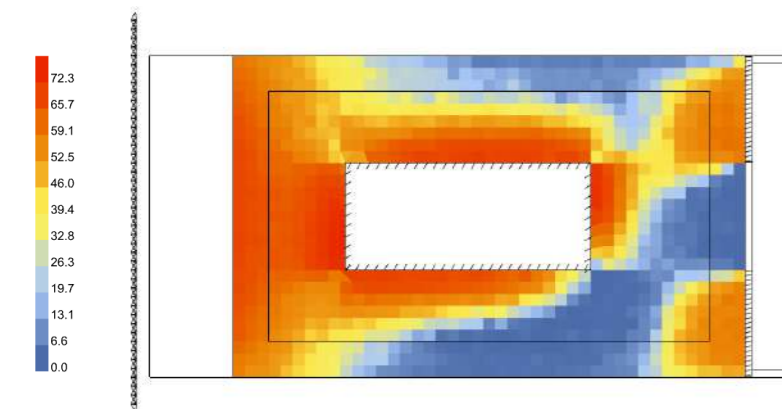
23 Settembre

23 Settembre

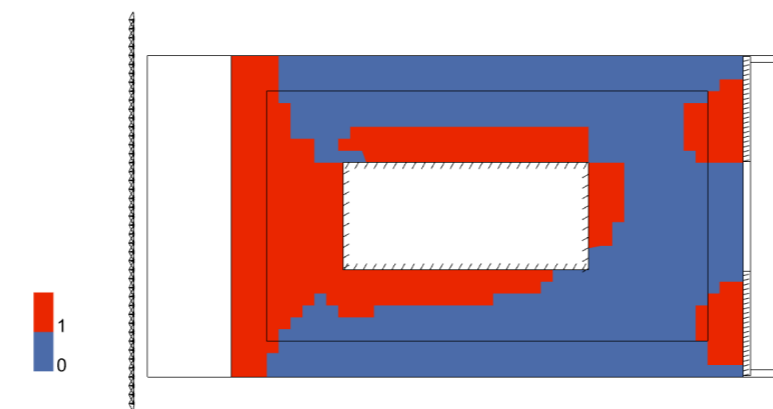


Annual Daylight

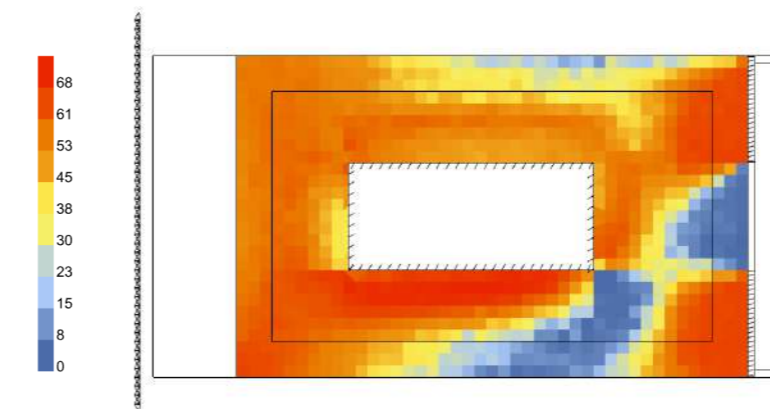
1. Daylight Autonomy (DA) - [%]



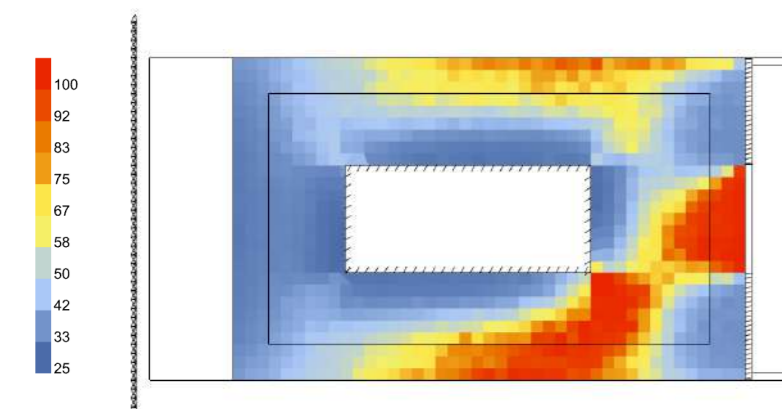
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



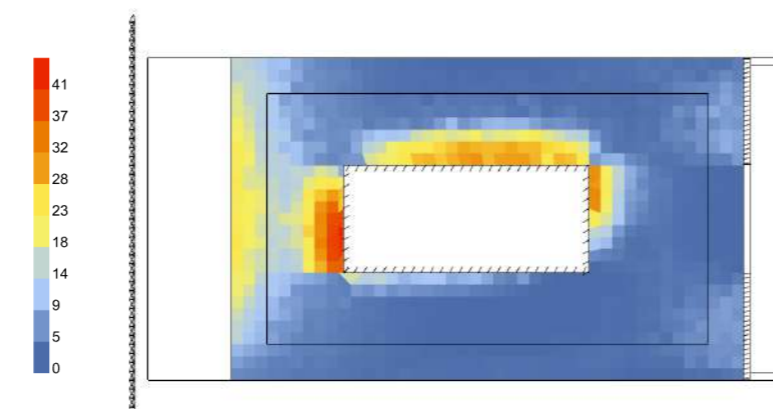
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

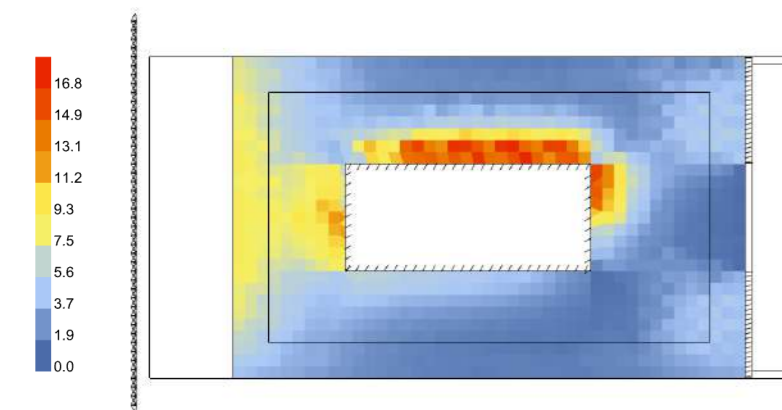


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

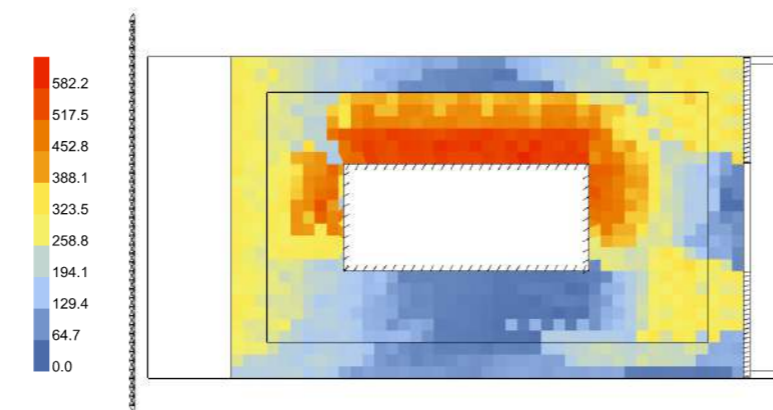


Annual Irradiance

1. Average Irradiance - [W/m²]

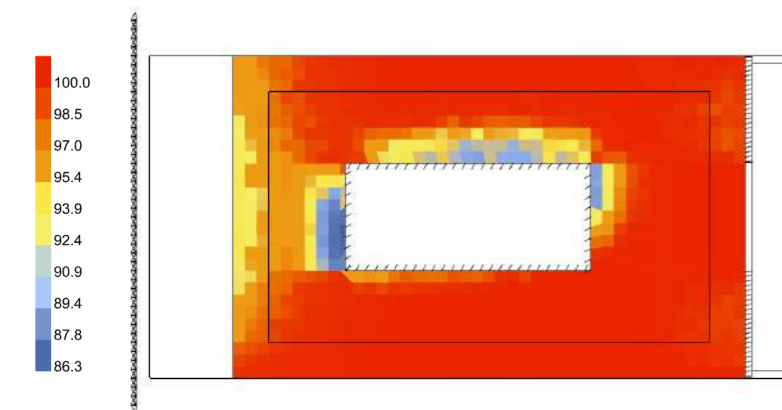


2. Peak Irradiance - [W/m²]



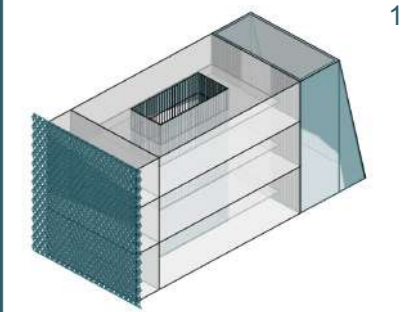
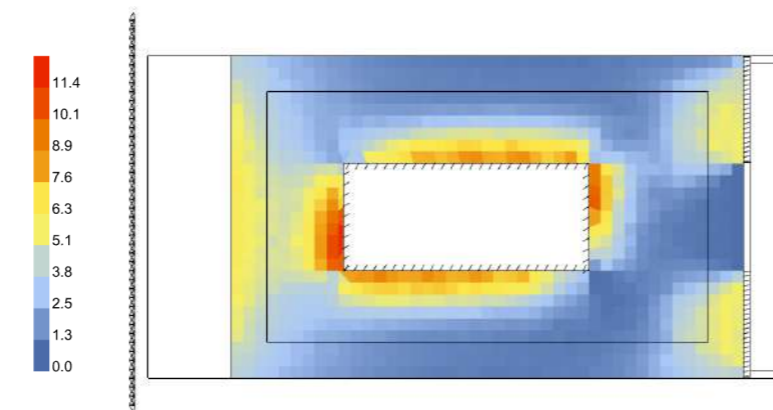
Annual Glare

1. Glare Autonomy (GA) - [%]

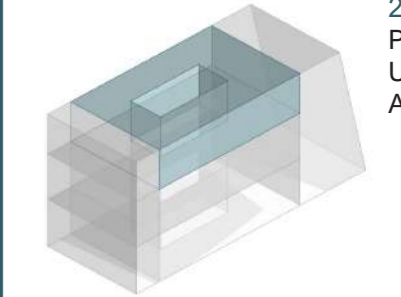


Daylight Factor

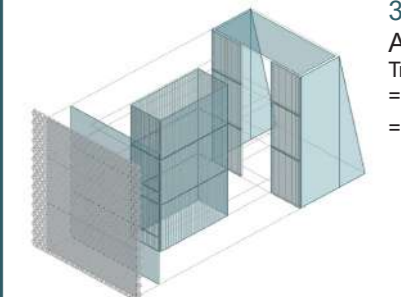
[%]



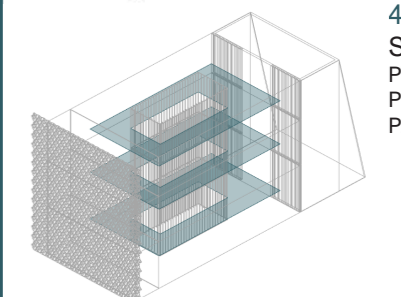
1. Modello Rhino



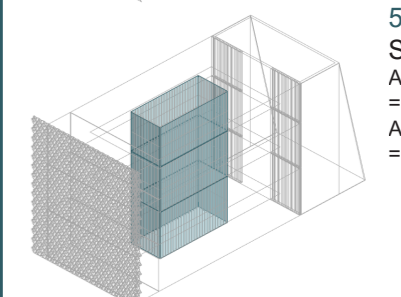
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



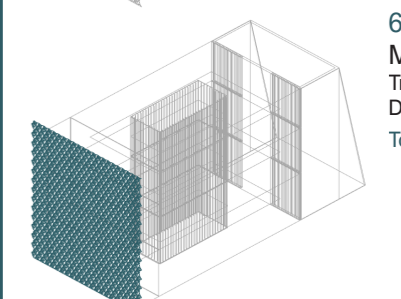
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 30°



6. Modello HB
Moduli PTFE
Trasmissione = 0,3
Distanza = 0,60 cm
Totalmente chiuso

203 ANALISI ILLUMINOTECNICHE
MODULI CHIUSI - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

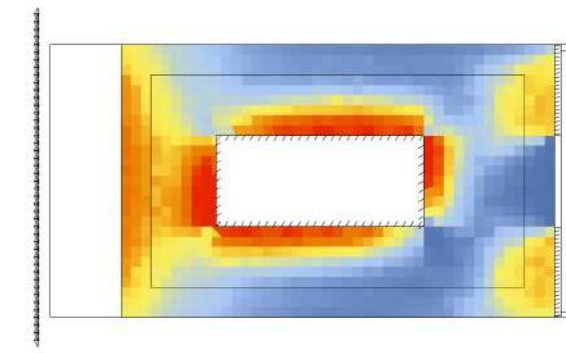
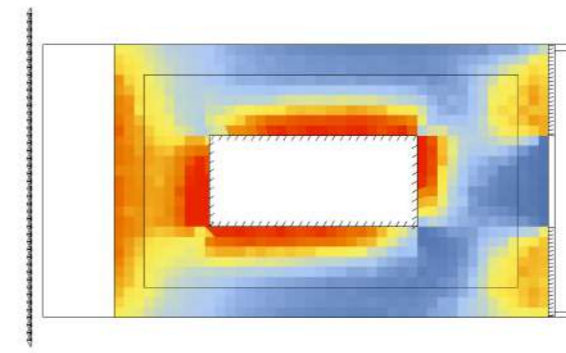
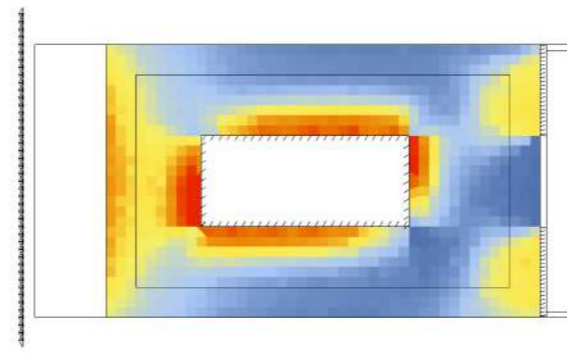
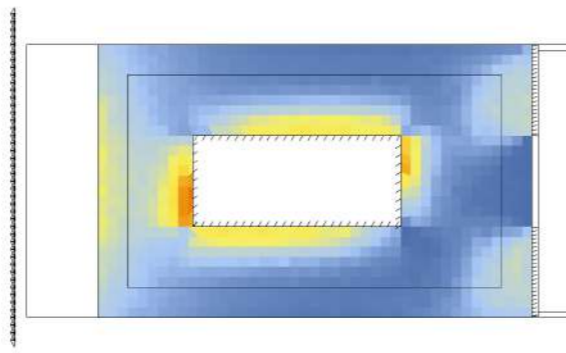
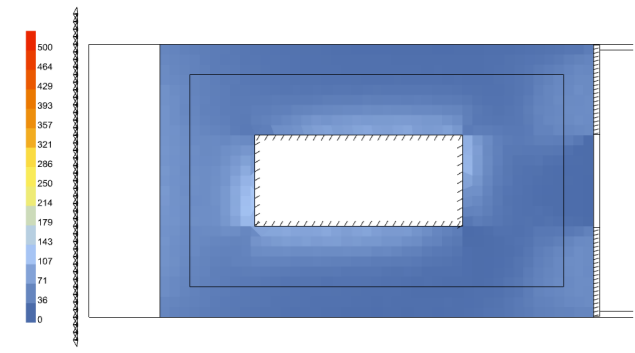
21 Dicembre

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21 Dicembre

21 Dicembre

21 Dicembre



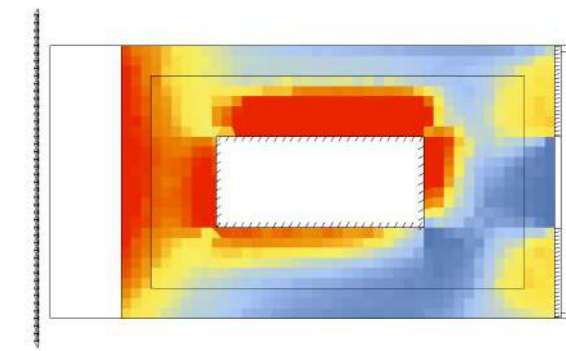
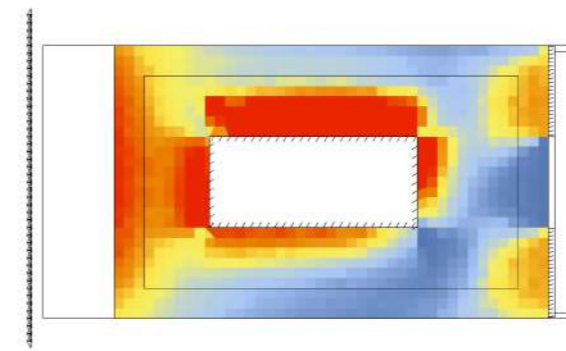
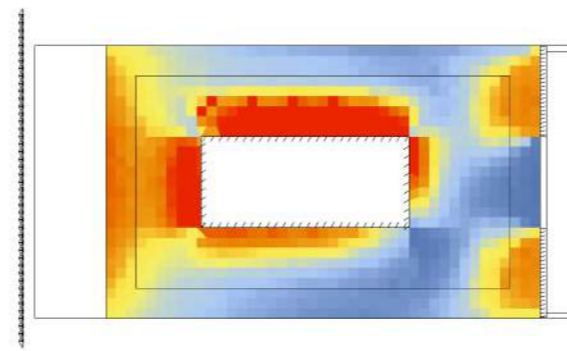
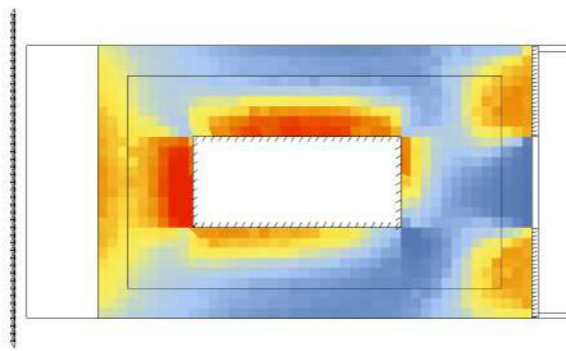
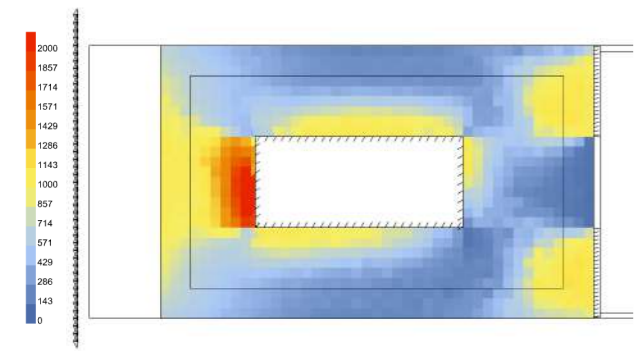
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



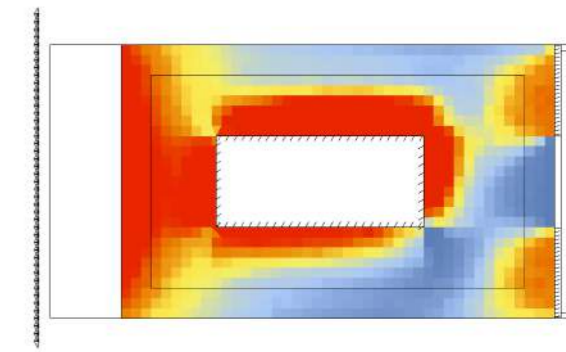
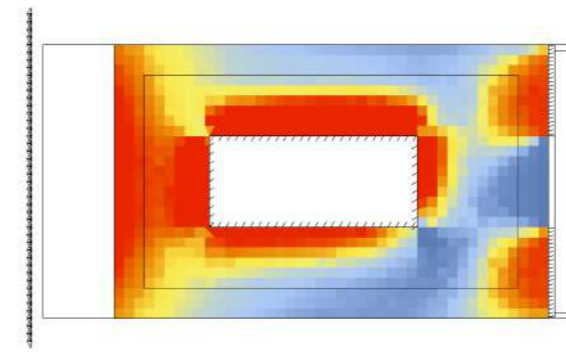
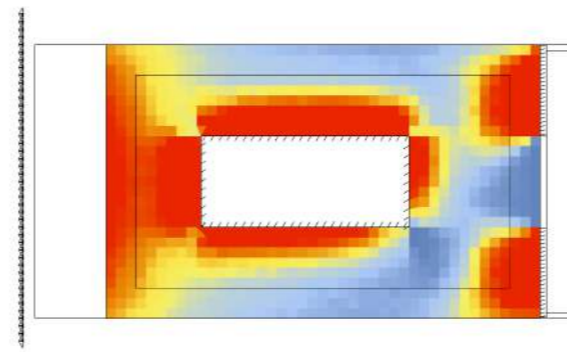
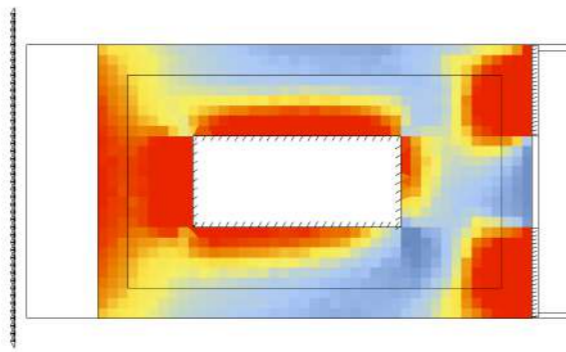
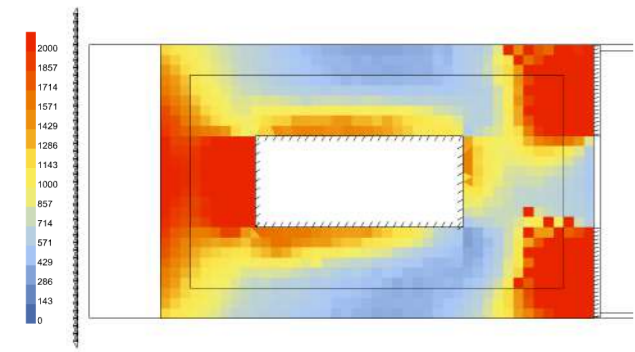
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



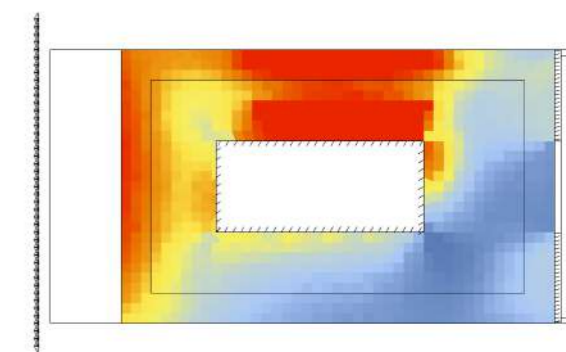
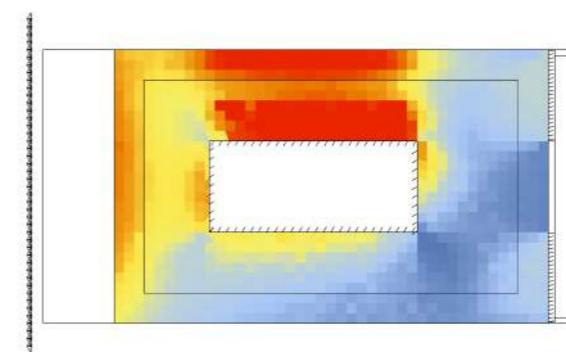
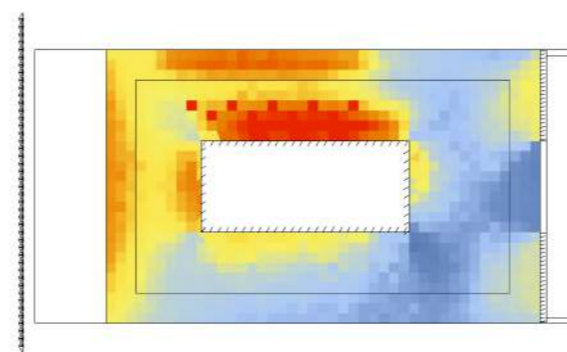
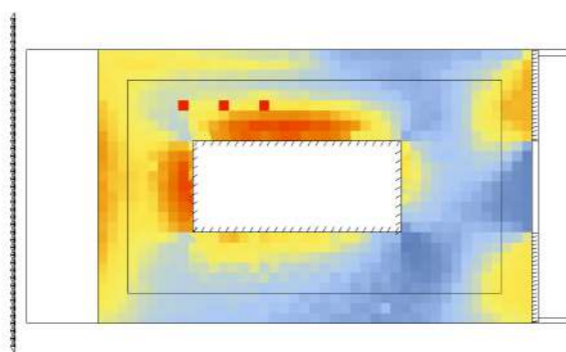
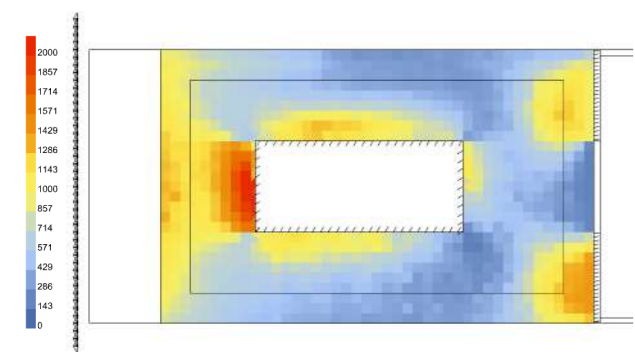
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

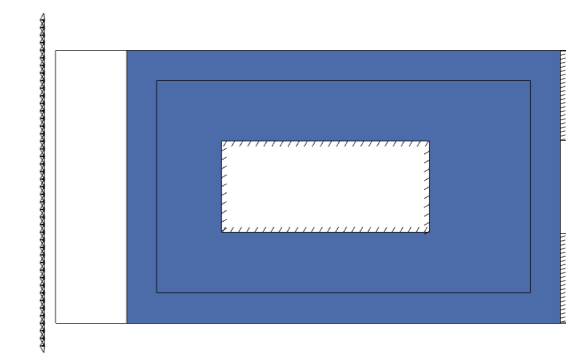
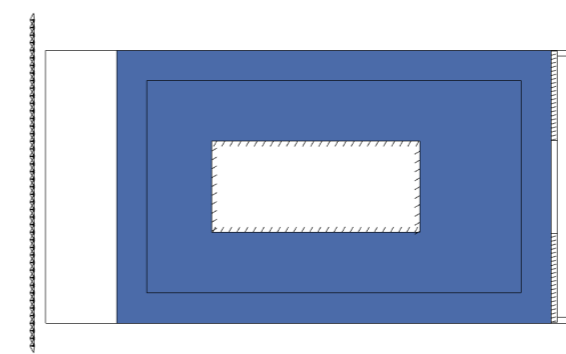
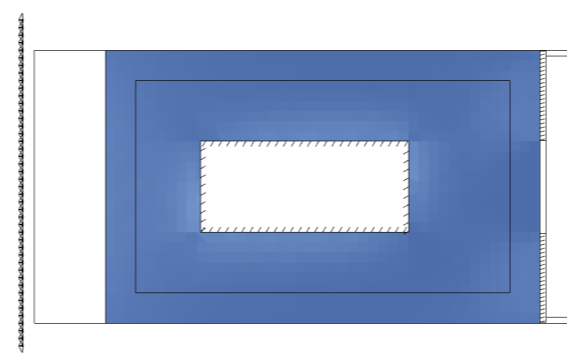
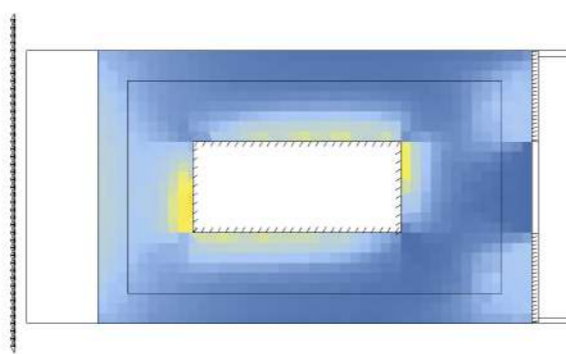
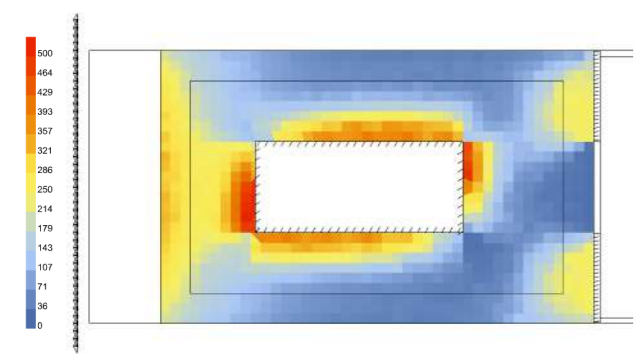
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



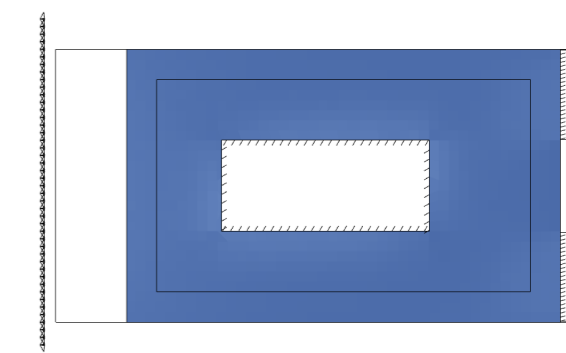
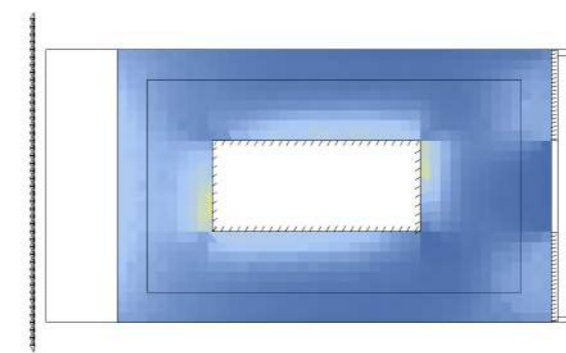
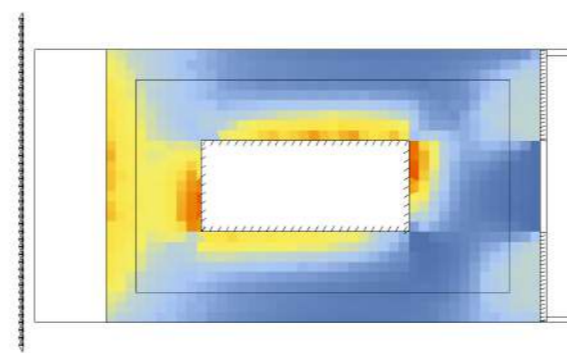
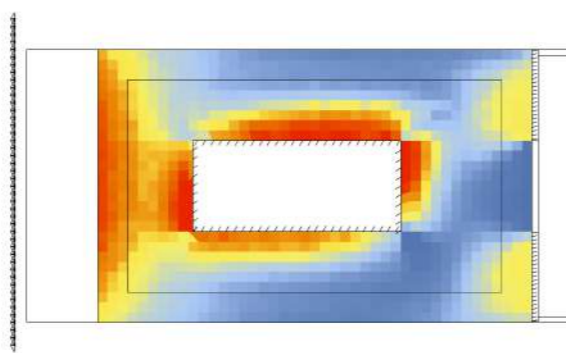
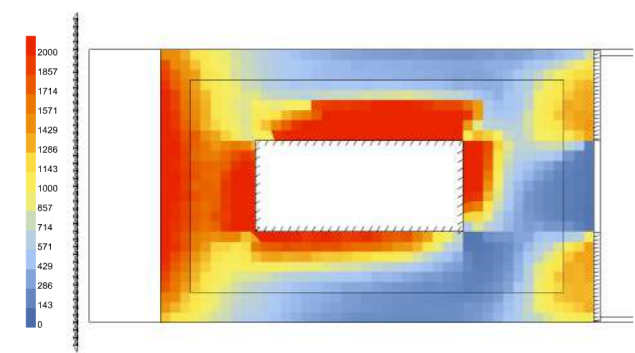
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



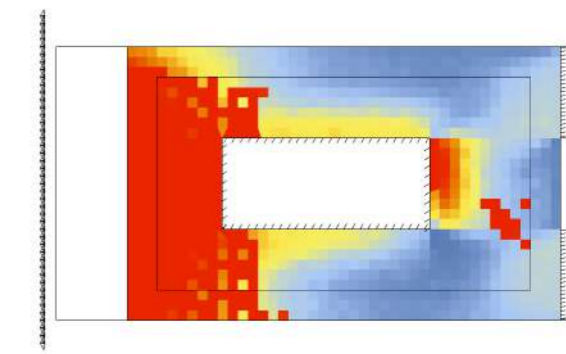
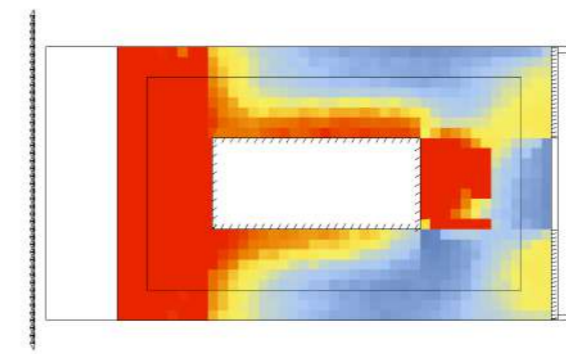
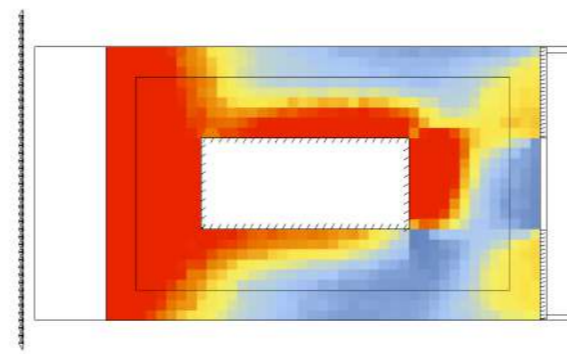
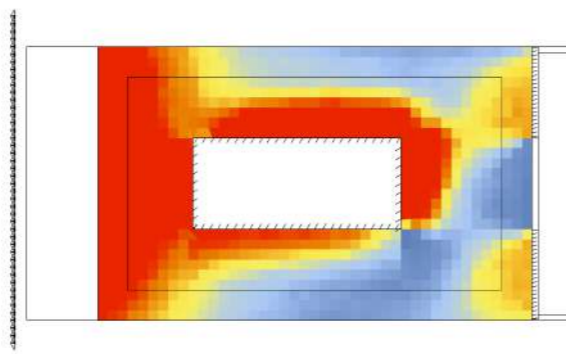
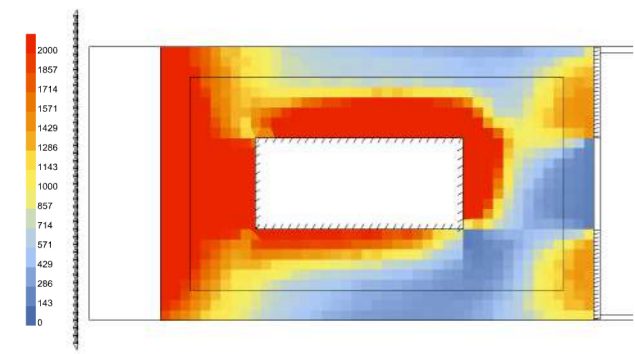
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



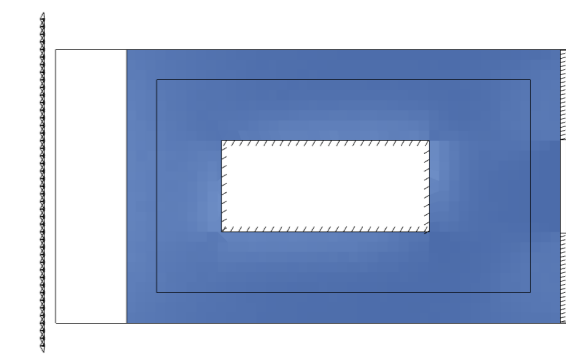
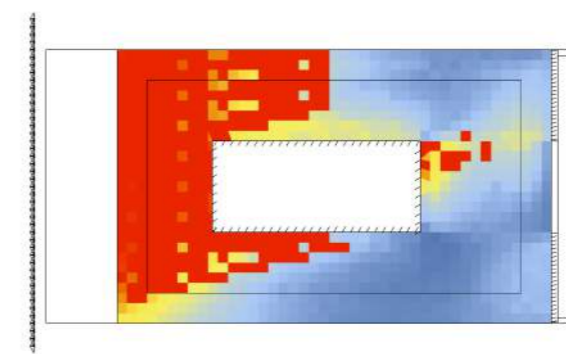
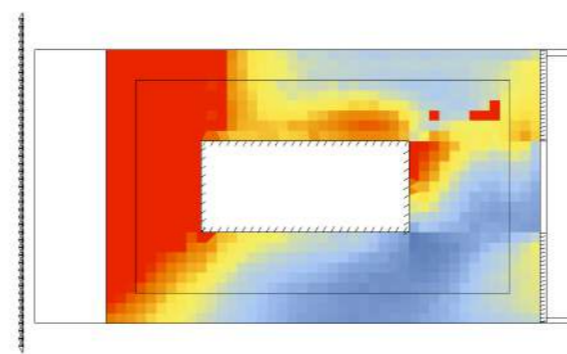
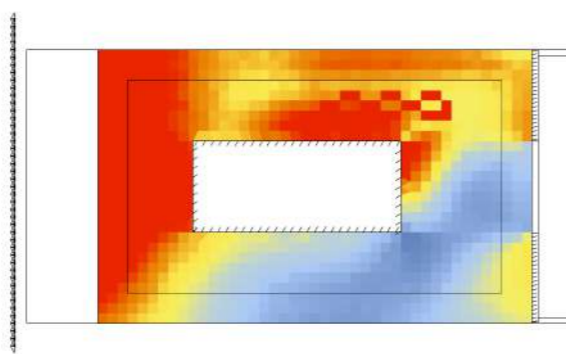
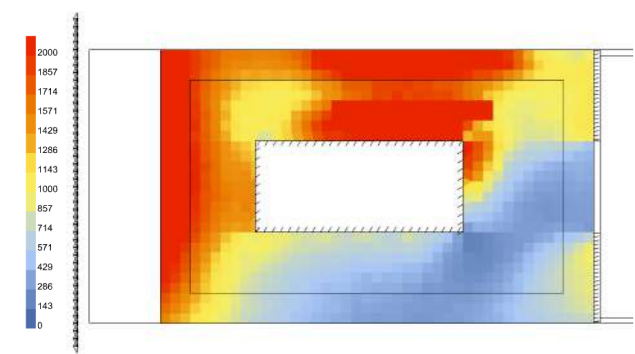
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



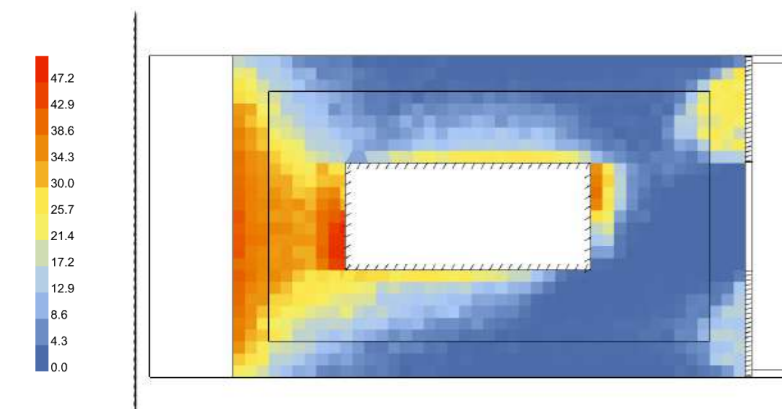
205 ANALISI ILLUMINOTECNICHE
MODULI CHIUSI - P2



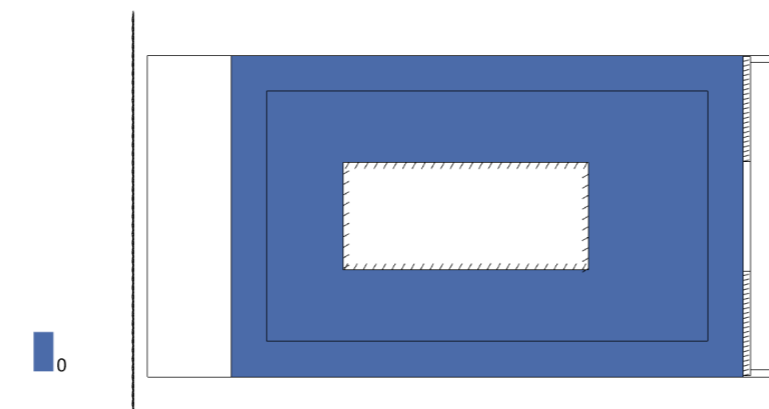
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

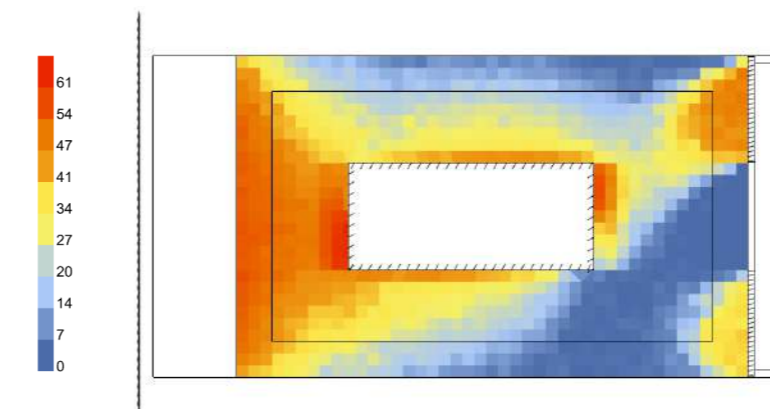
1. Daylight Autonomy (DA) - [%]



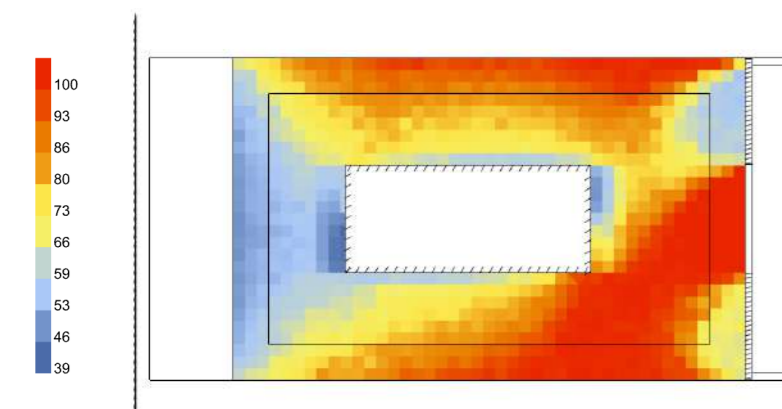
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



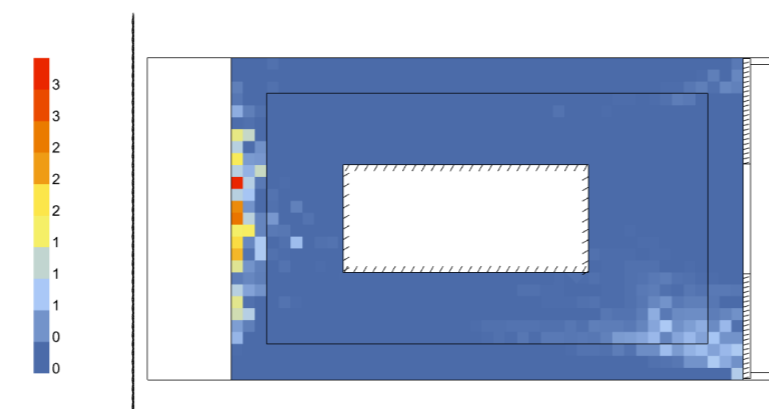
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

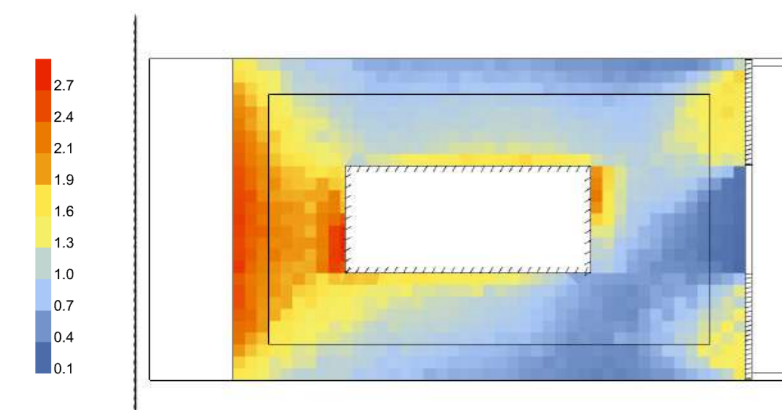


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

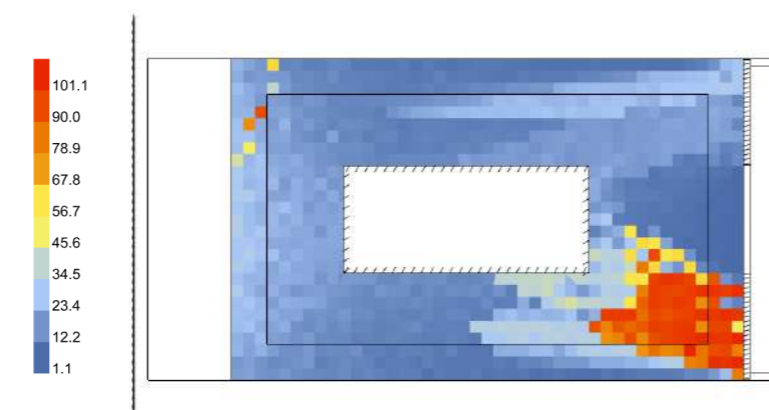


Annual Irradiance

1. Average Irradiance - [W/m²]

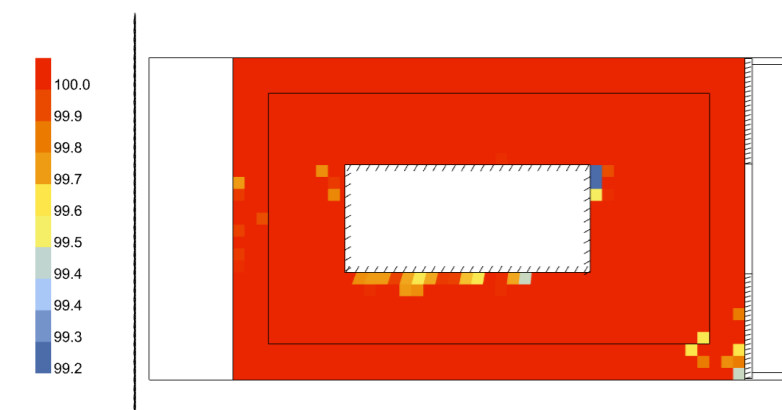


2. Peak Irradiance - [W/m²]



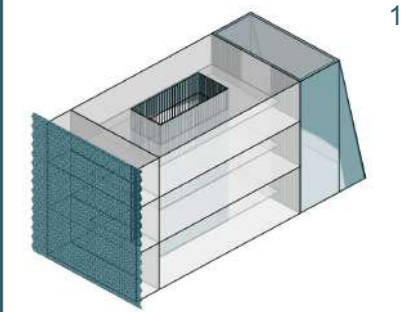
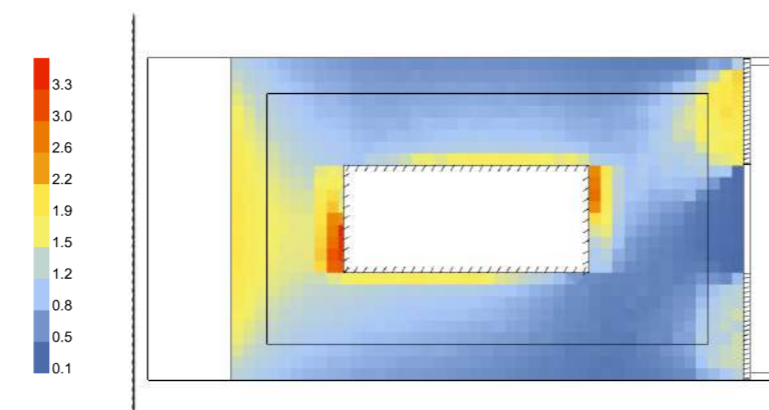
Annual Glare

1. Glare Autonomy (GA) - [%]

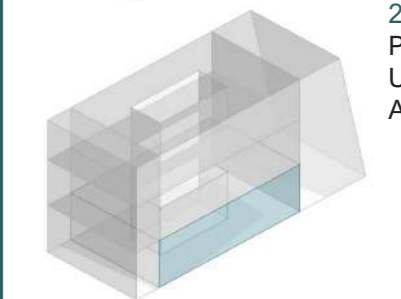


Daylight Factor

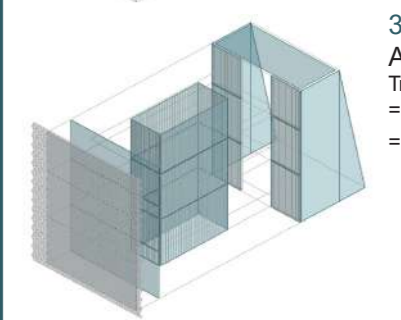
[%]



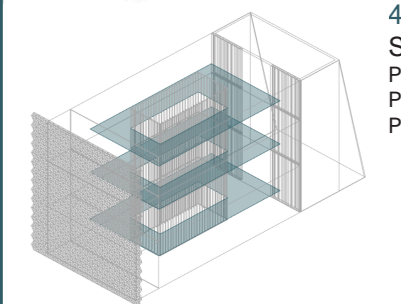
1. Modello Rhino



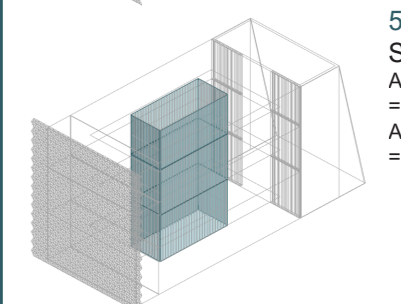
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



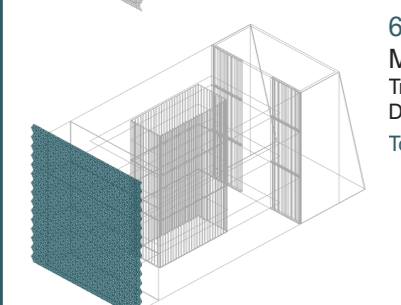
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 30°



6. Modello HB
Moduli PTFE
Trasmissione = 0,3
Distanza = 0,60 cm
Totalmente aperto

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno

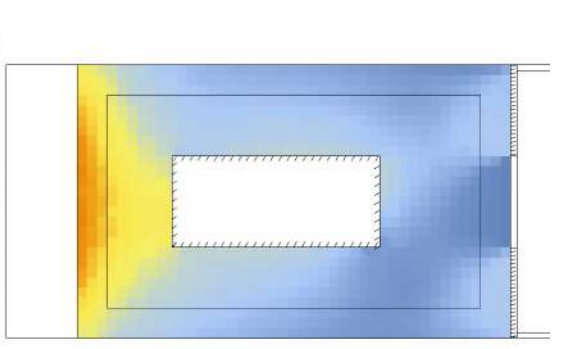
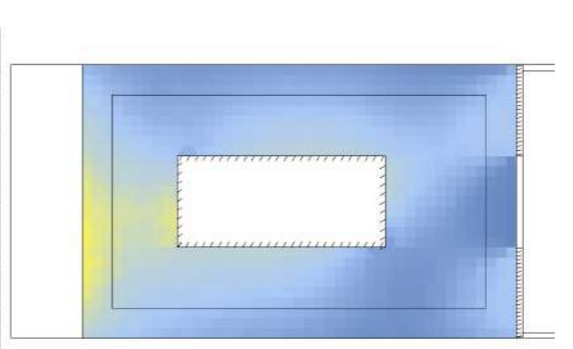
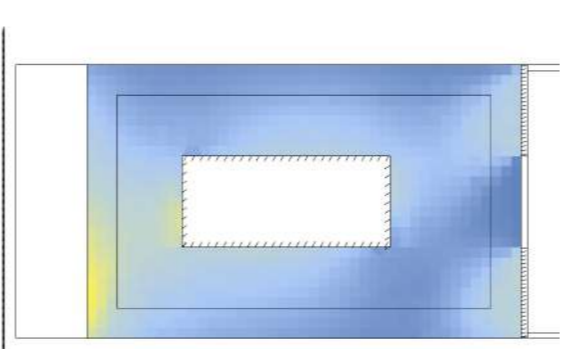
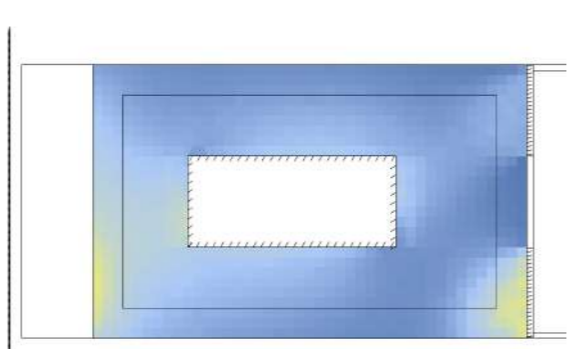
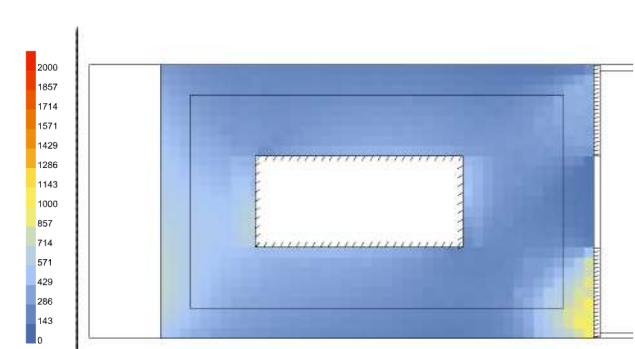
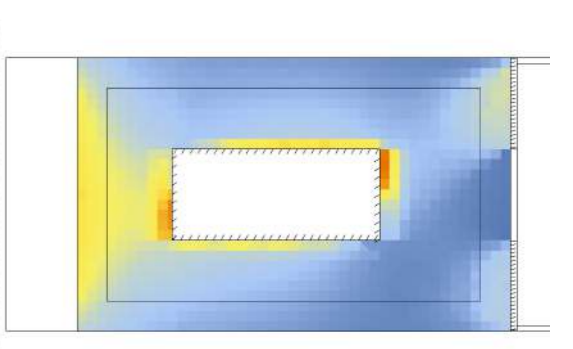
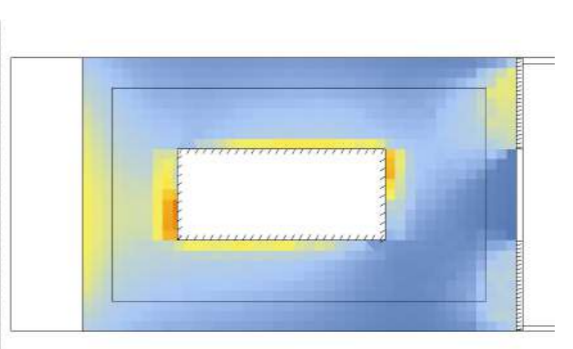
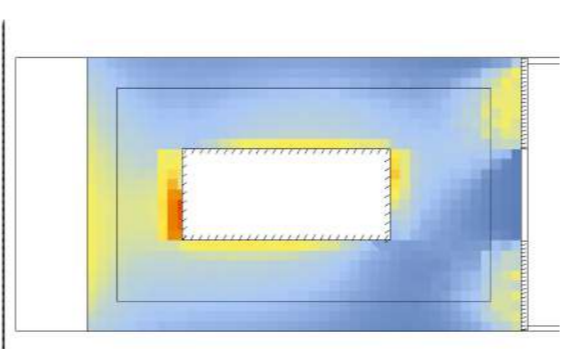
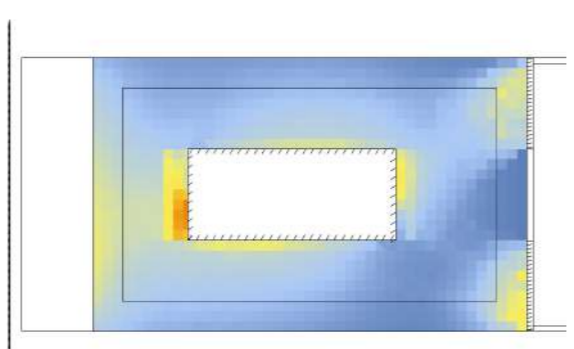
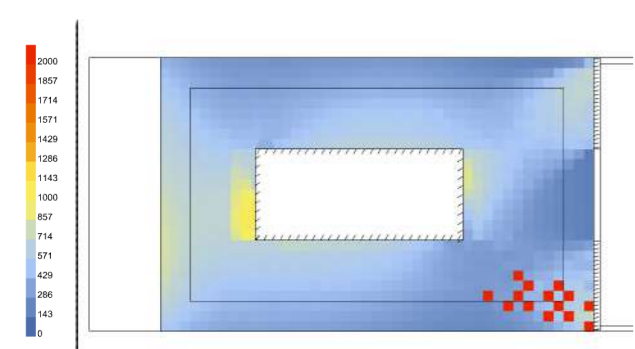
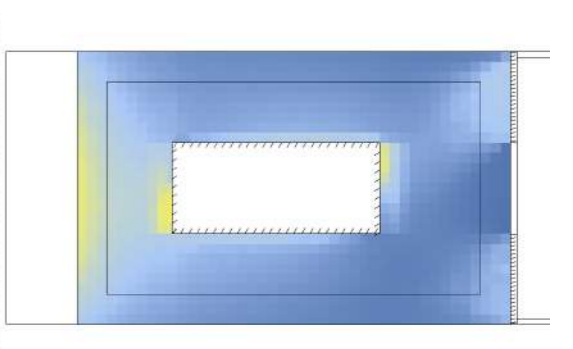
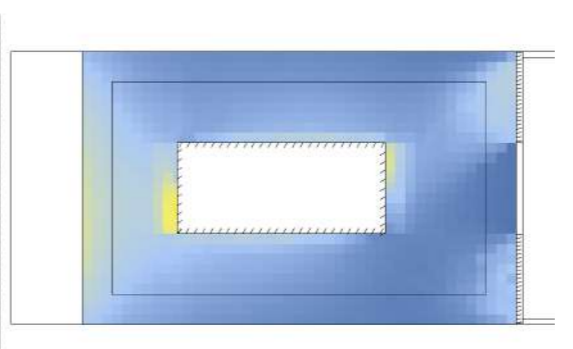
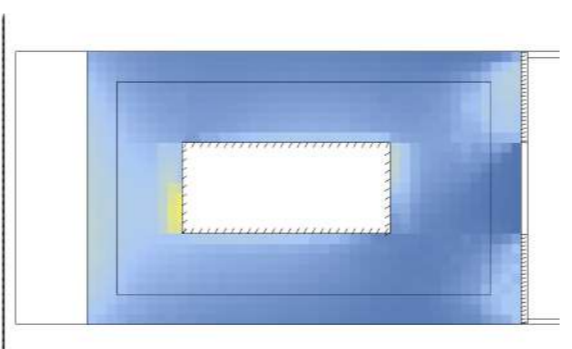
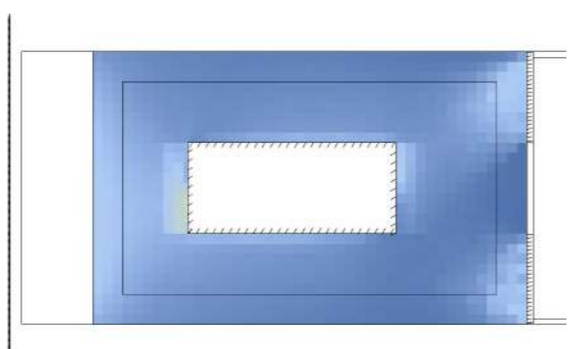
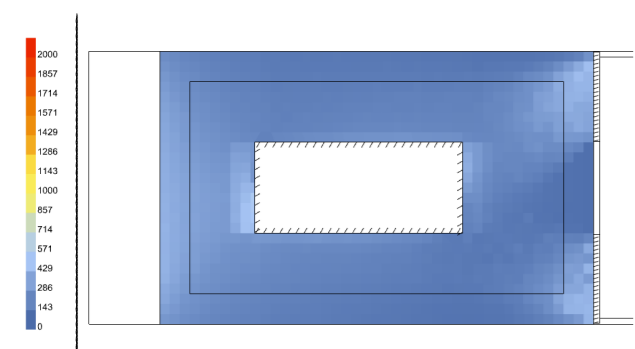
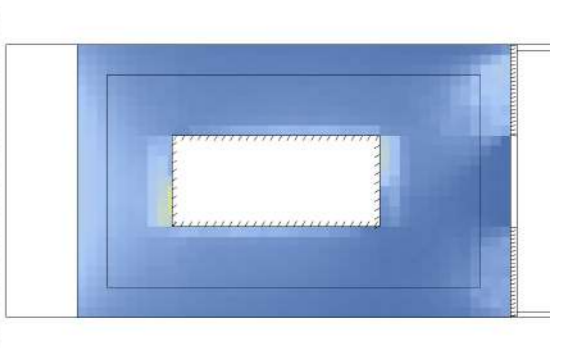
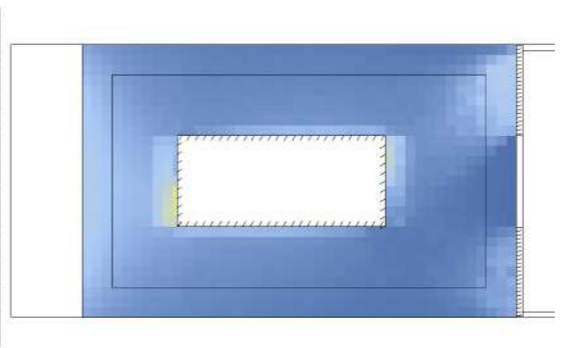
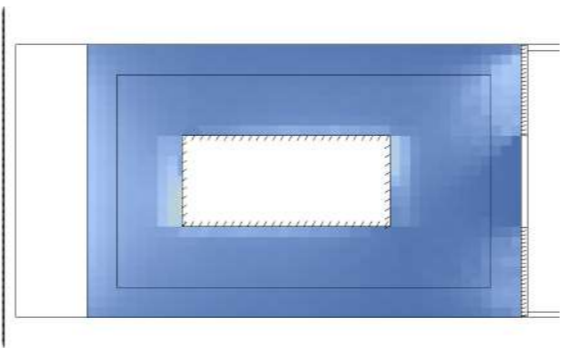
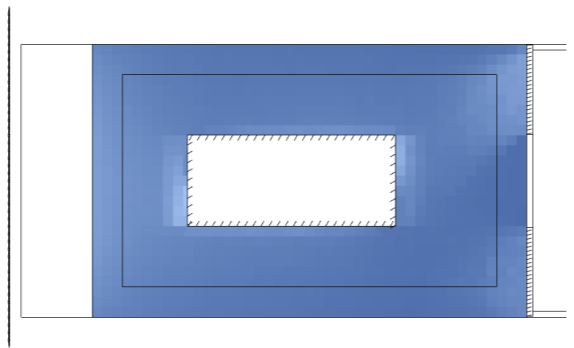
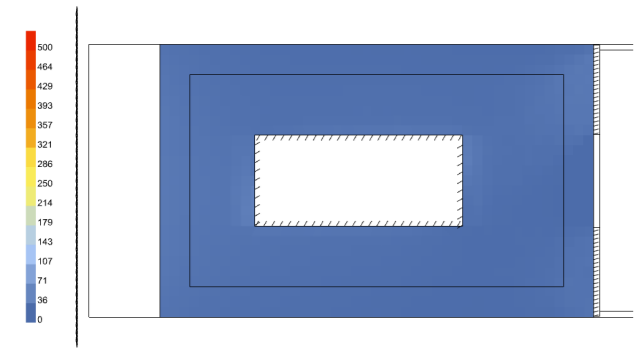
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



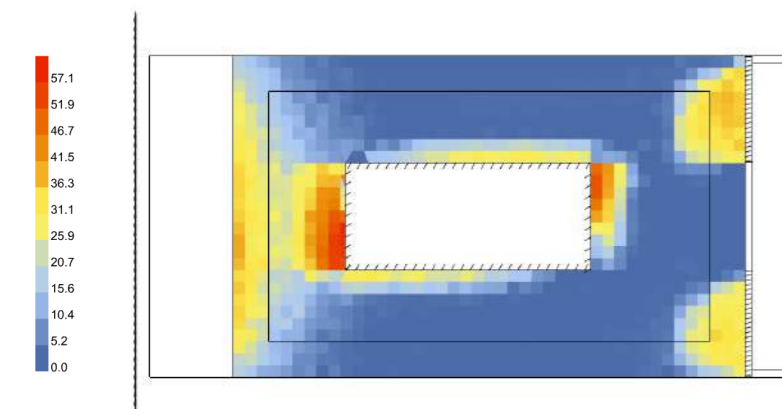
207 ANALISI ILLUMINOTECNICHE
MODULI APERTI - PT



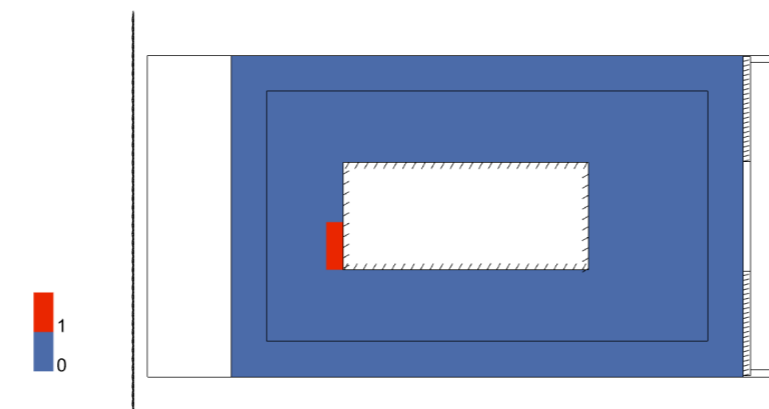
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

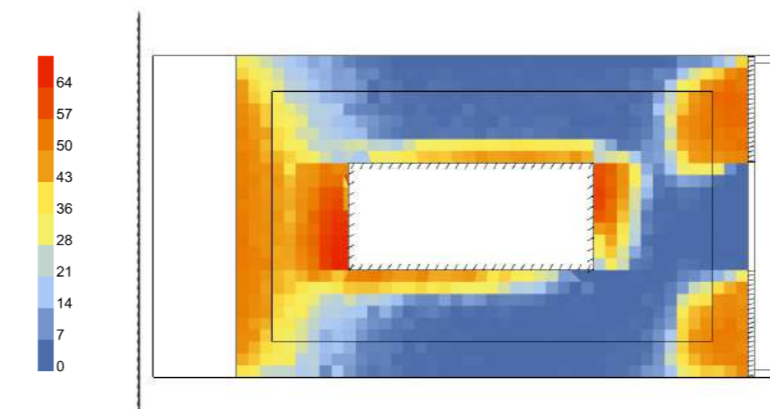
1. Daylight Autonomy (DA) - [%]



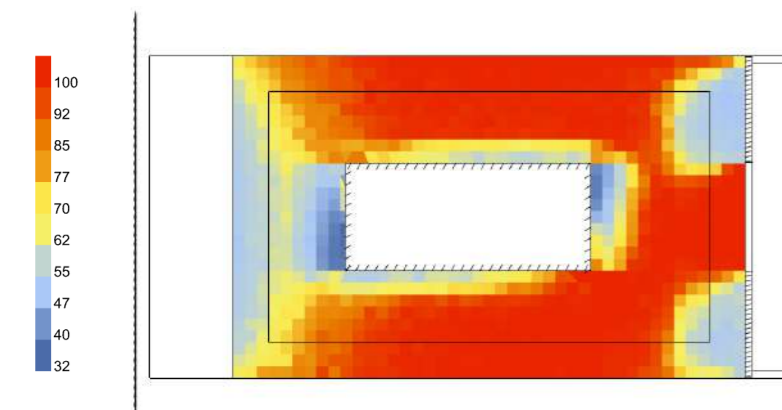
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



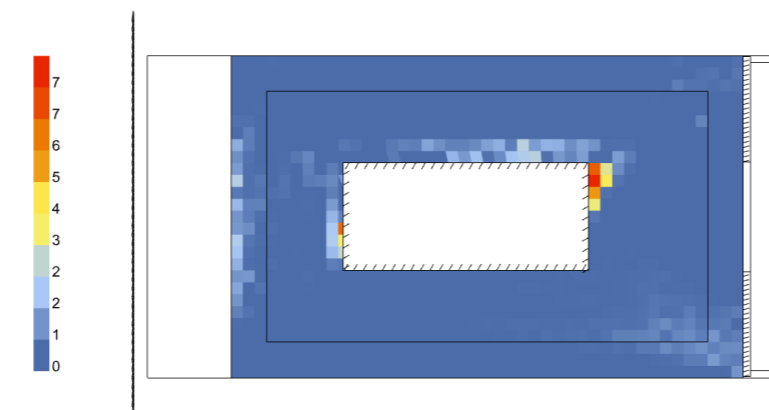
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

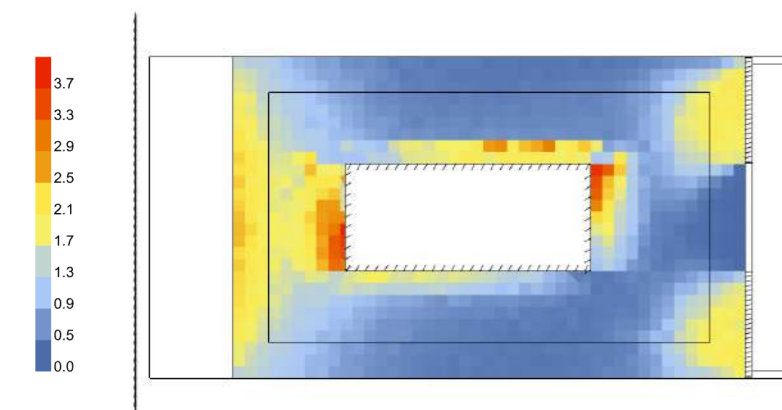


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

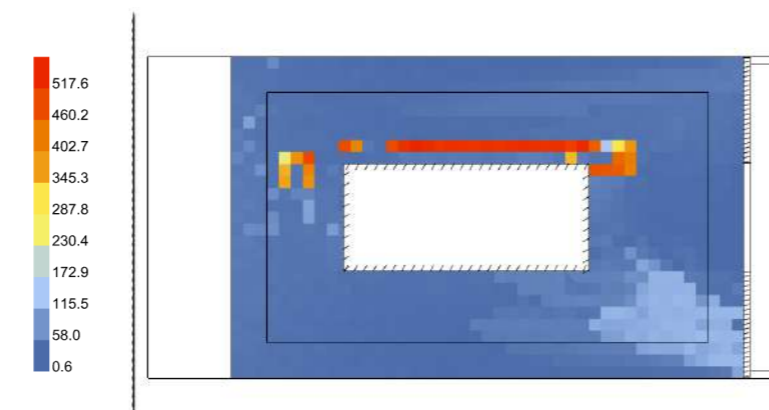


Annual Irradiance

1. Average Irradiance - [W/m²]

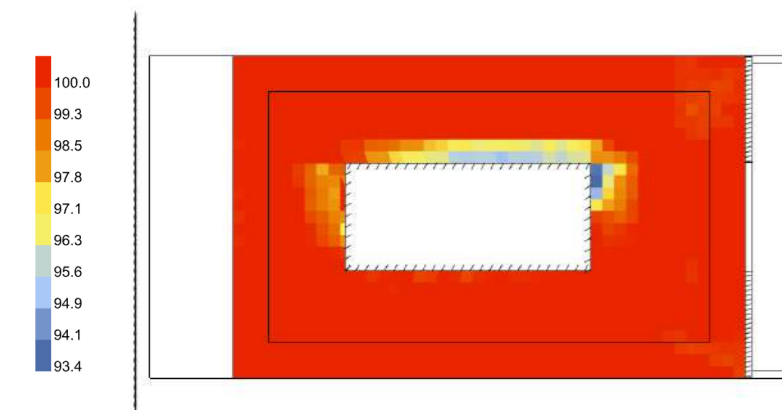


2. Peak Irradiance - [W/m²]



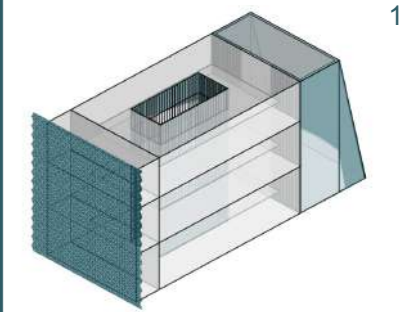
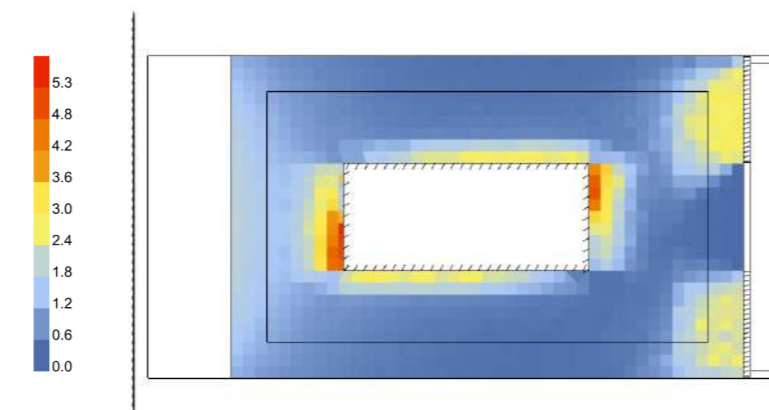
Annual Glare

1. Glare Autonomy (GA) - [%]

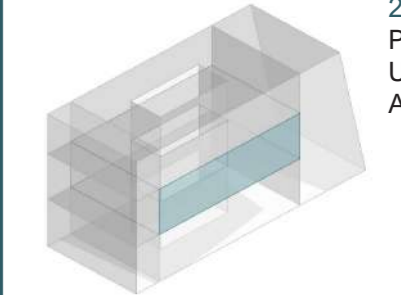


Daylight Factor

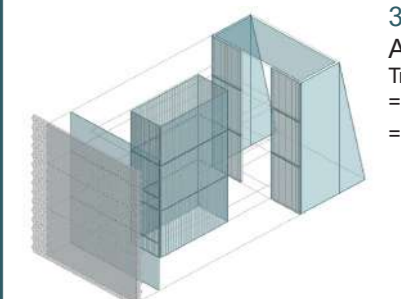
[%]



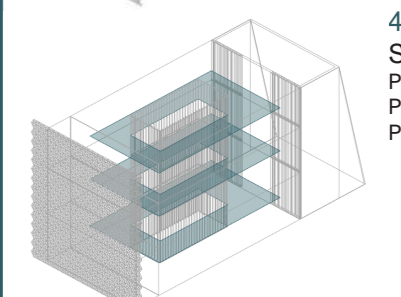
1. Modello Rhino



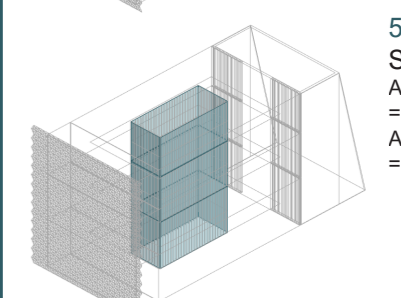
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



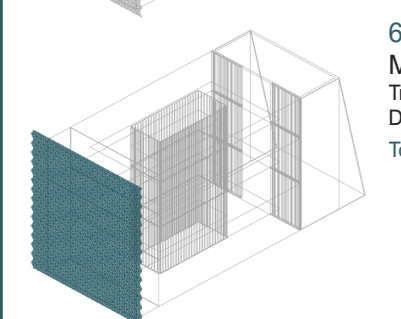
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 30°



6. Modello HB
Moduli PTFE
Trasmissione = 0,3
Distanza = 0,60 cm
Totalmente aperto

209 ANALISI ILLUMINOTECNICHE
MODULI APERTI - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

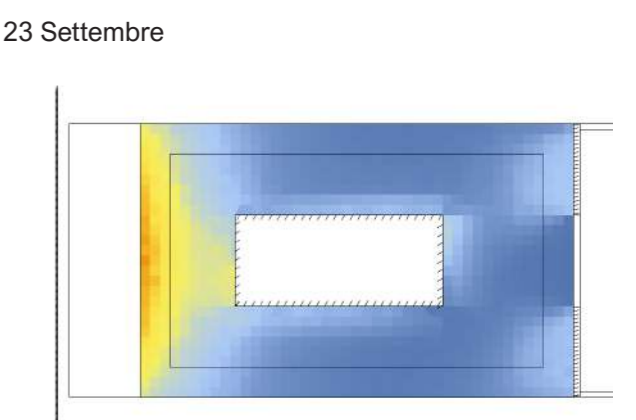
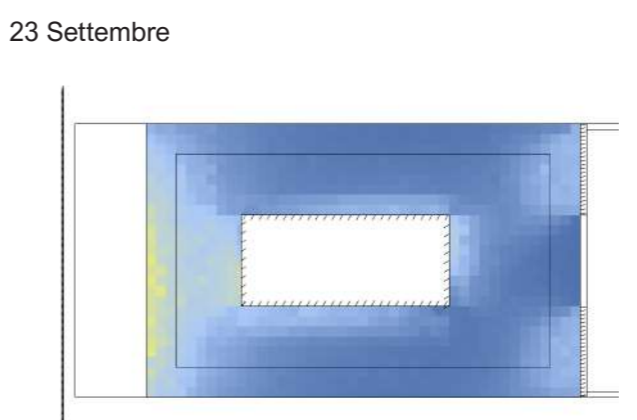
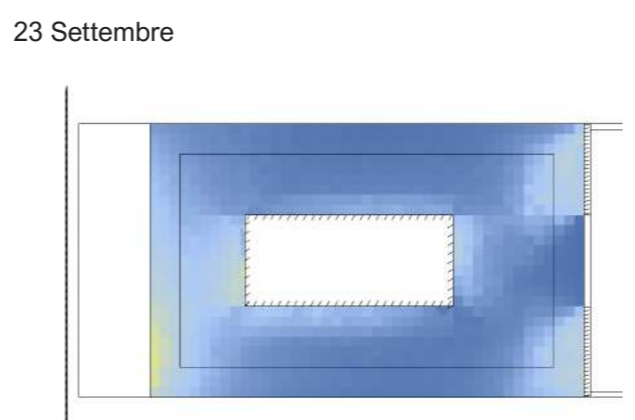
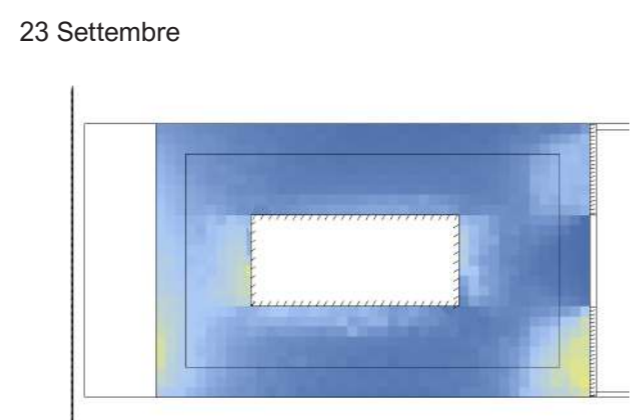
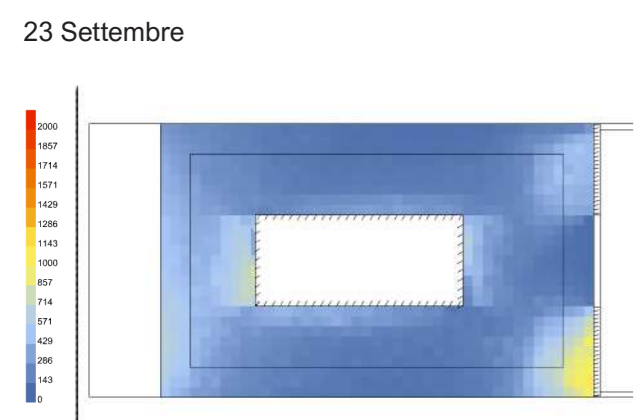
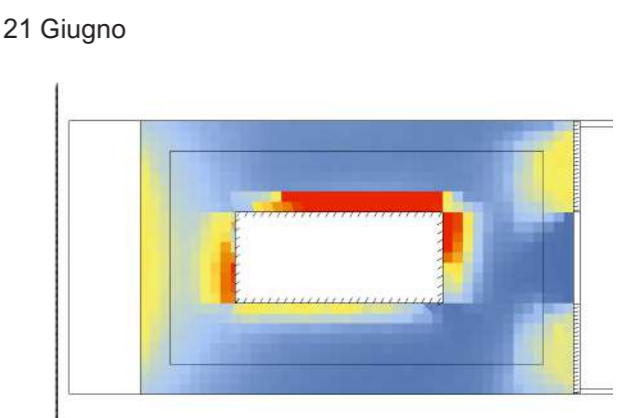
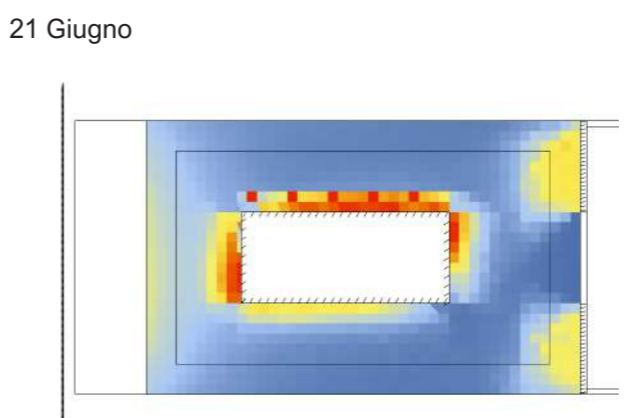
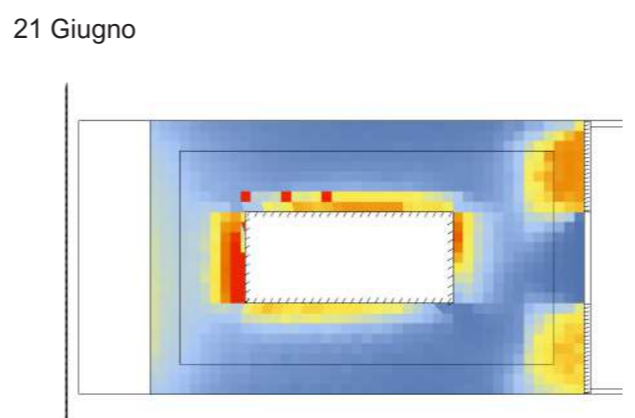
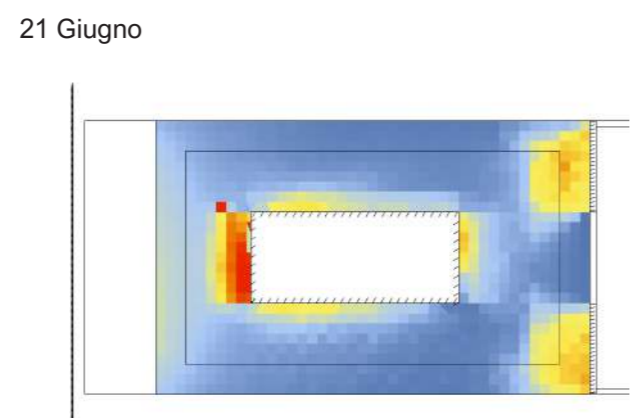
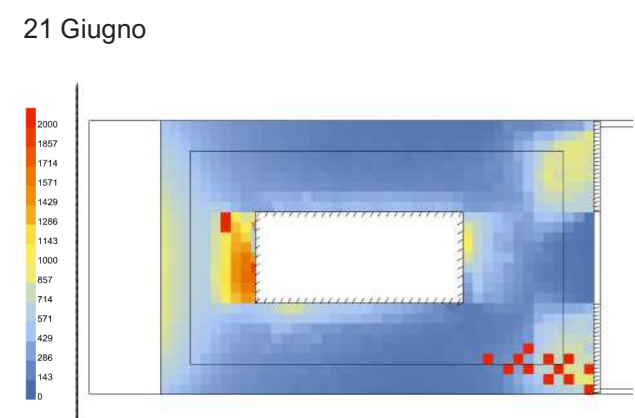
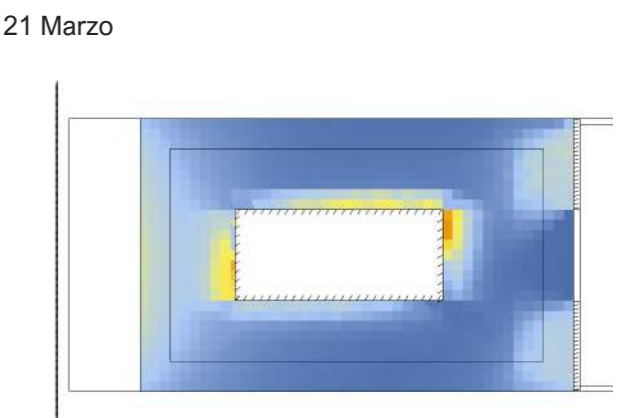
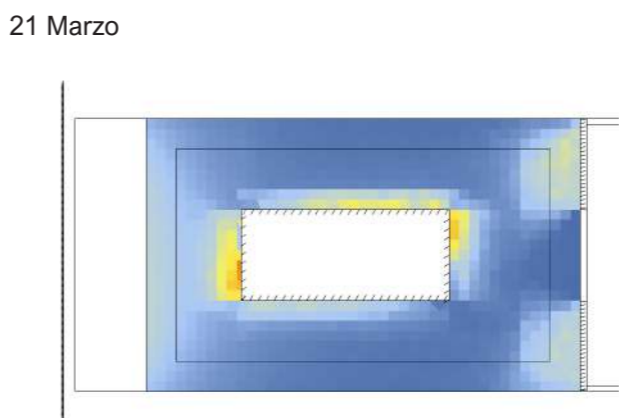
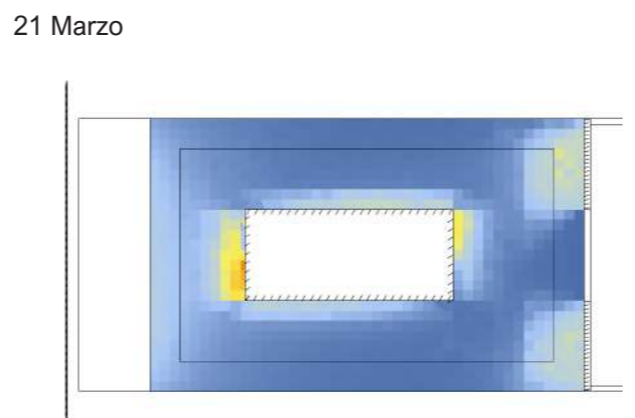
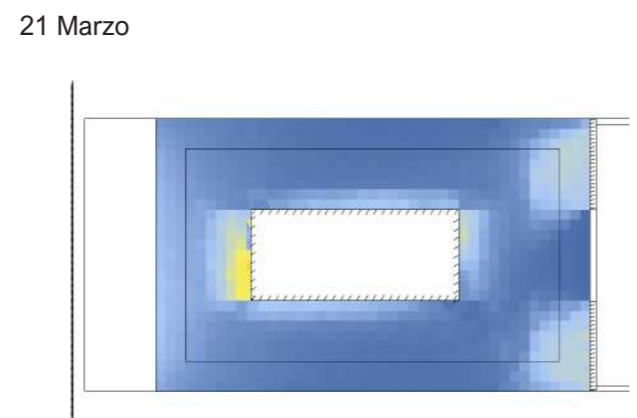
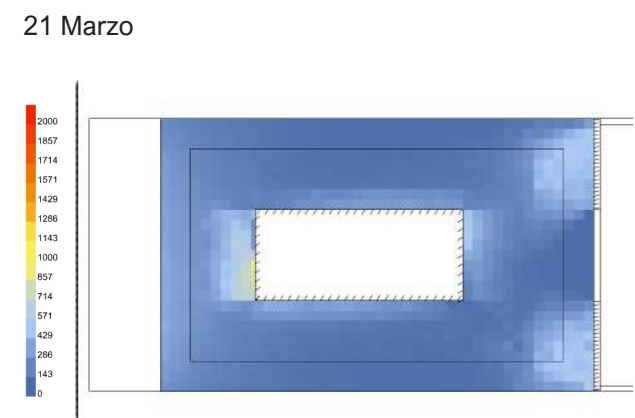
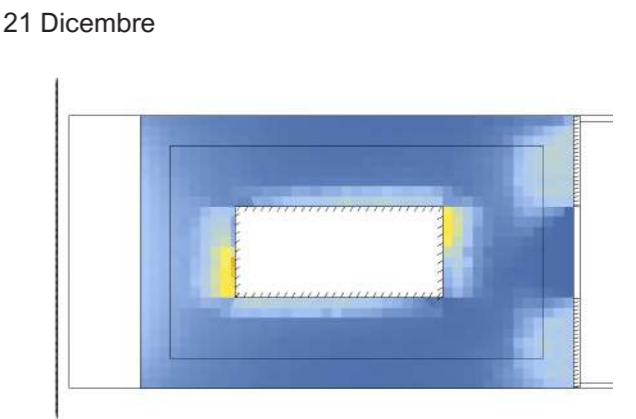
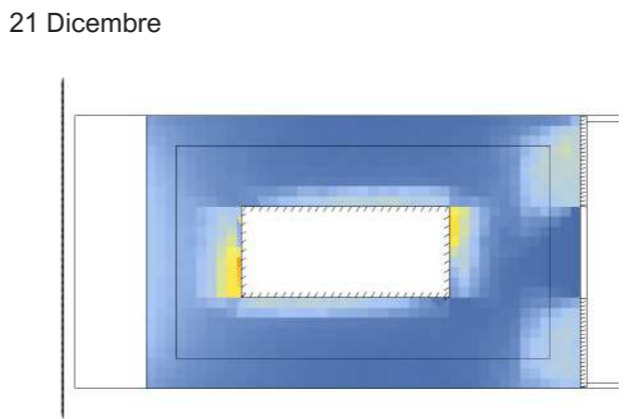
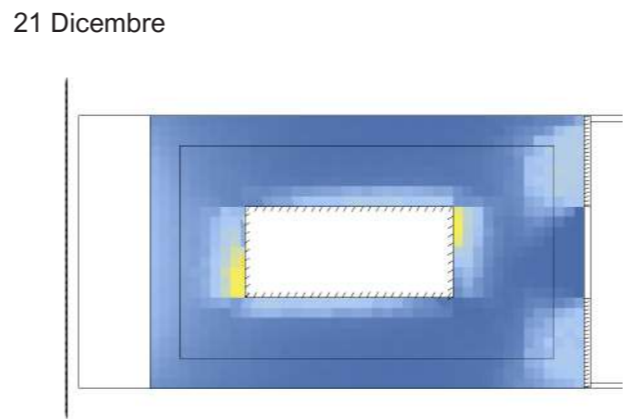
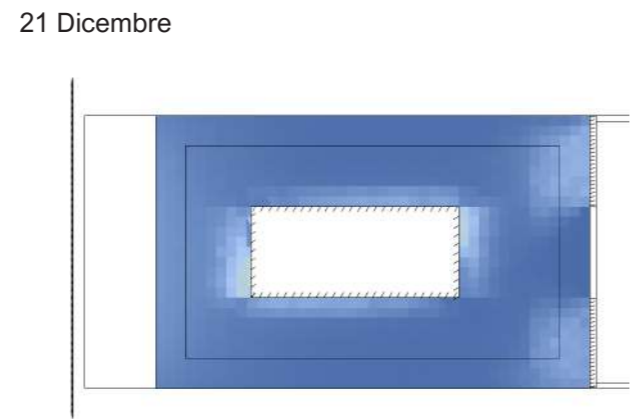
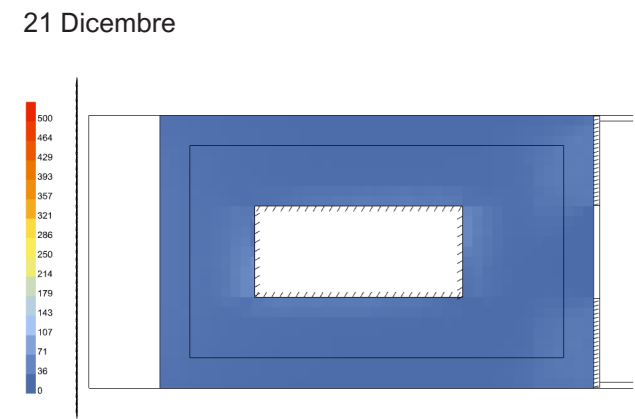
9.00

10.00

11.00

12.00

13.00



Illuminamento [lux]

14.00

15.00

16.00

17.00

18.00

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno

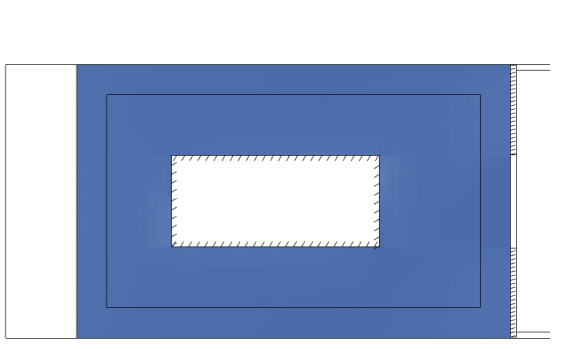
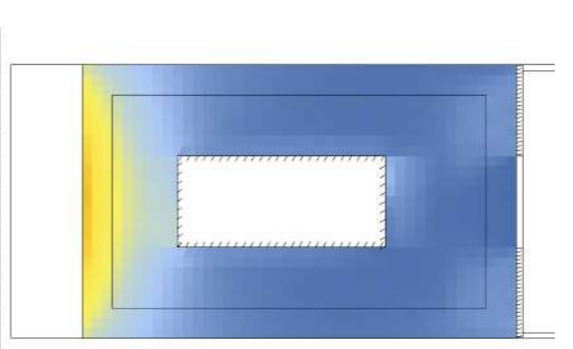
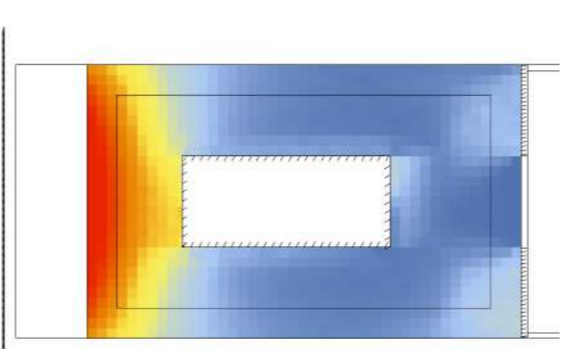
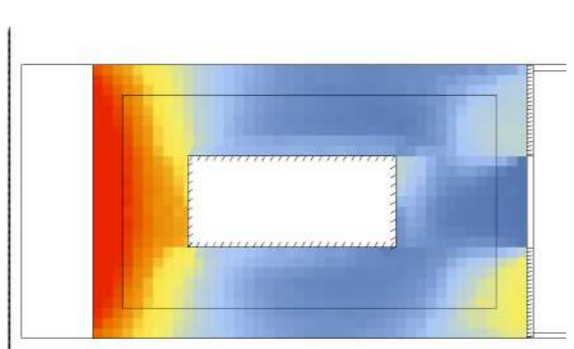
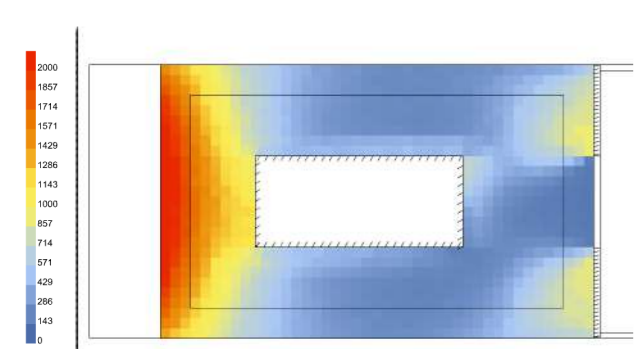
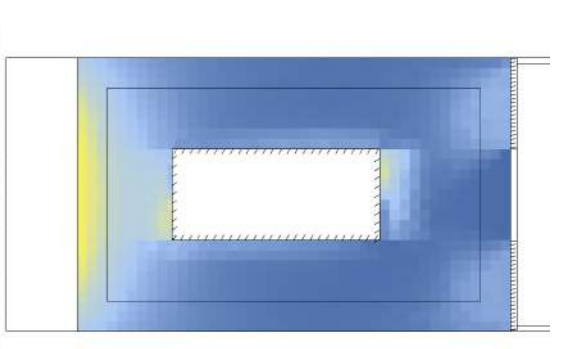
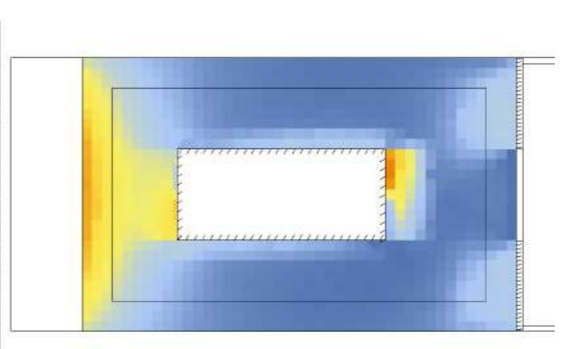
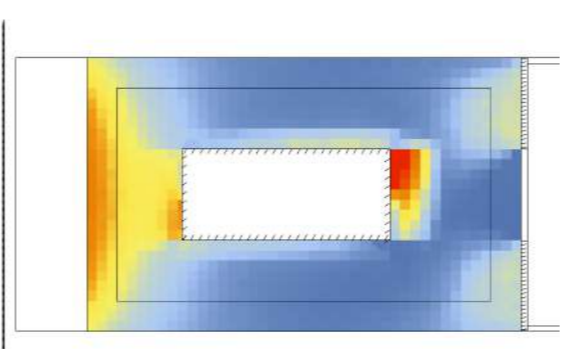
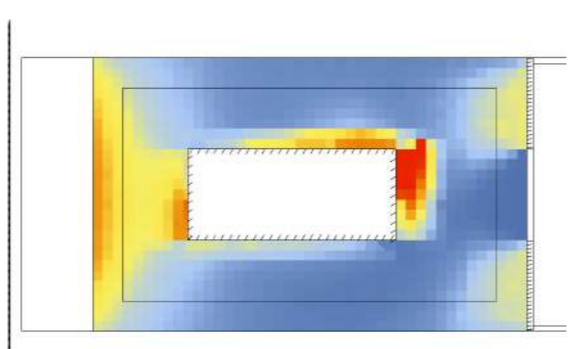
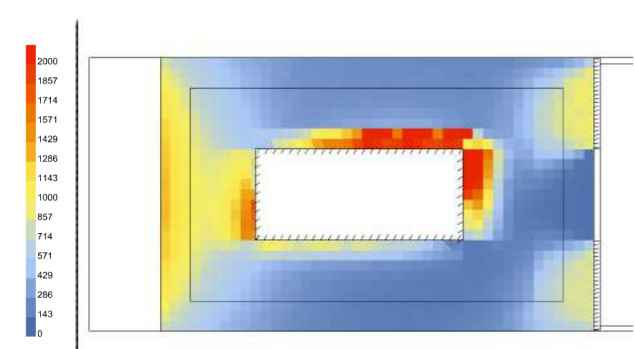
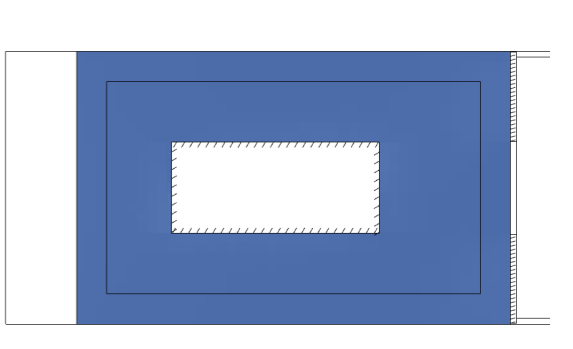
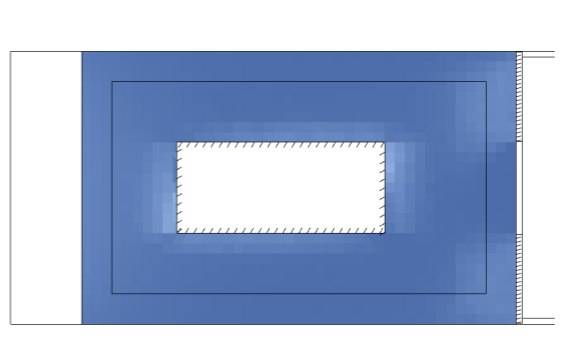
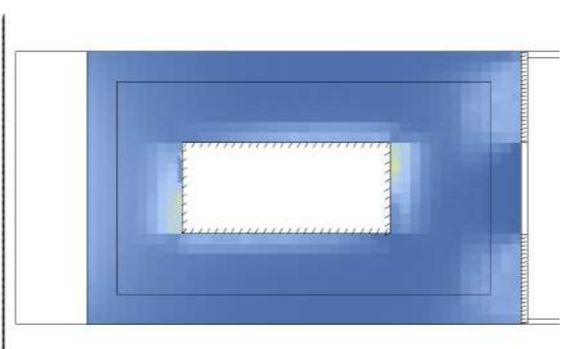
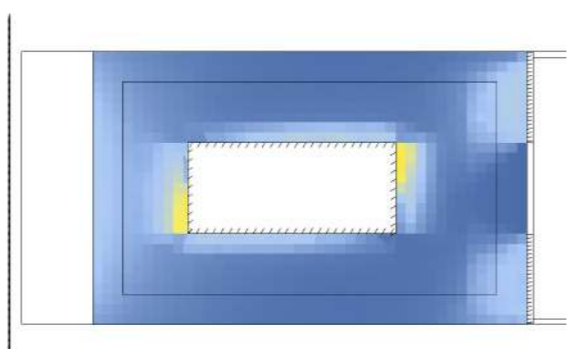
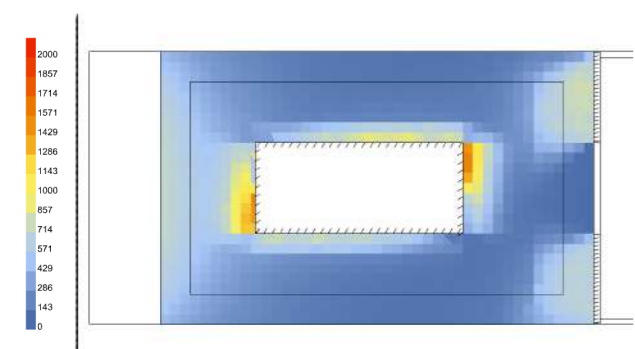
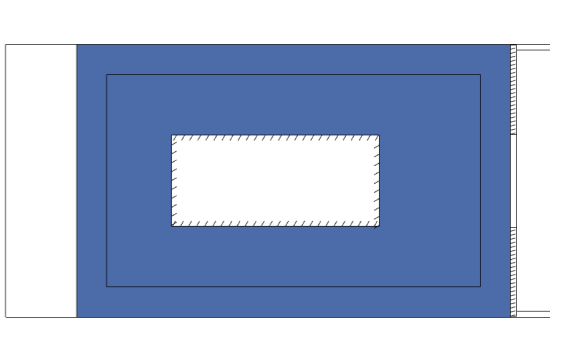
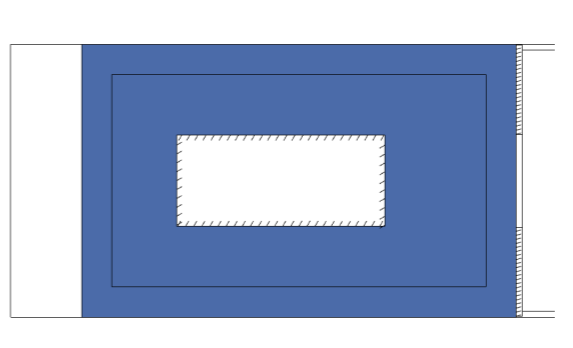
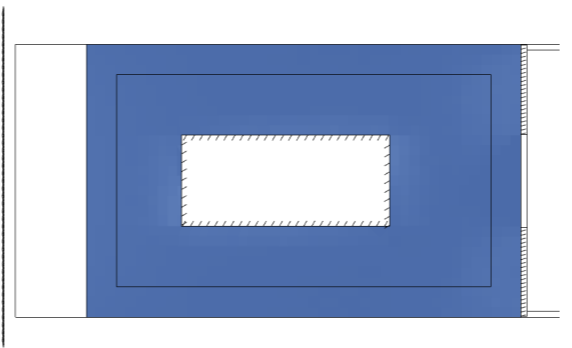
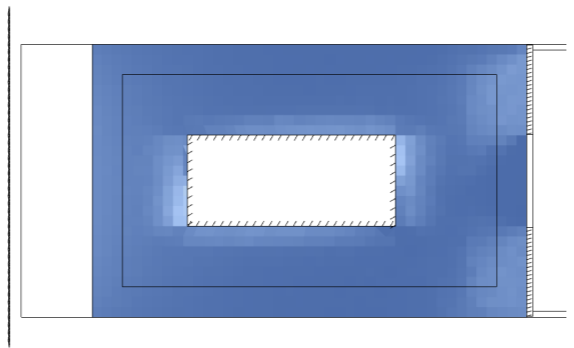
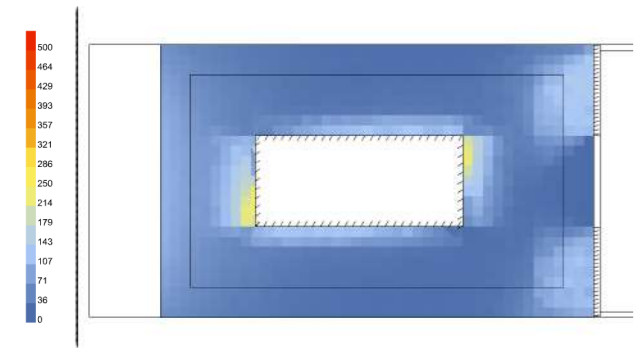
23 Settembre

23 Settembre

23 Settembre

23 Settembre

23 Settembre



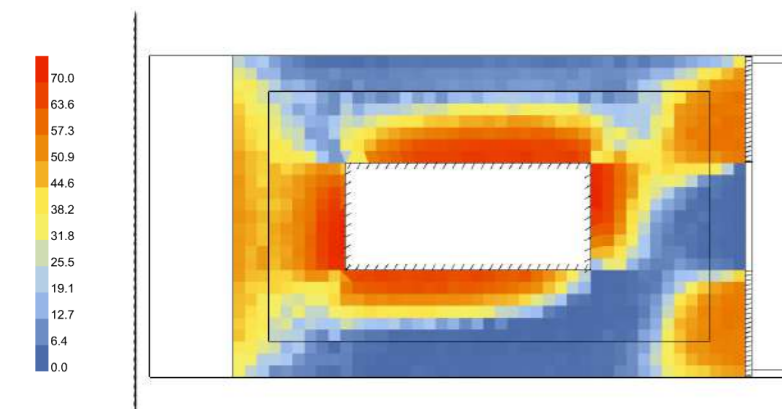
211 ANALISI ILLUMINOTECNICHE
MODULI APERTI - P1



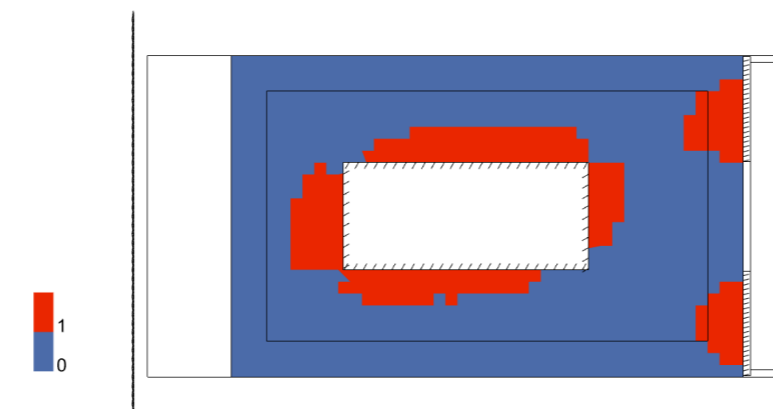
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

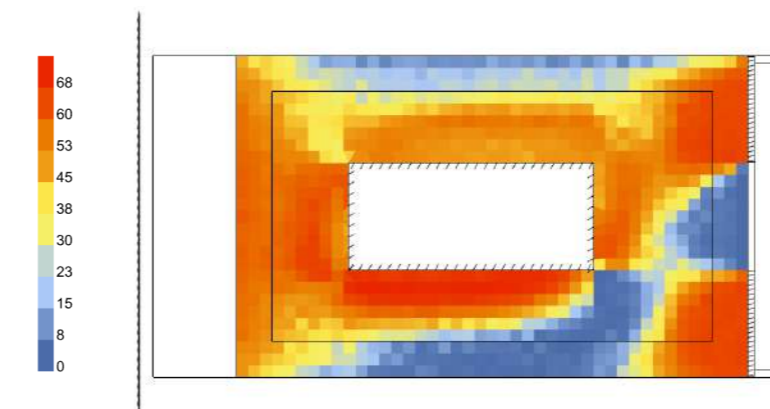
1. Daylight Autonomy (DA) - [%]



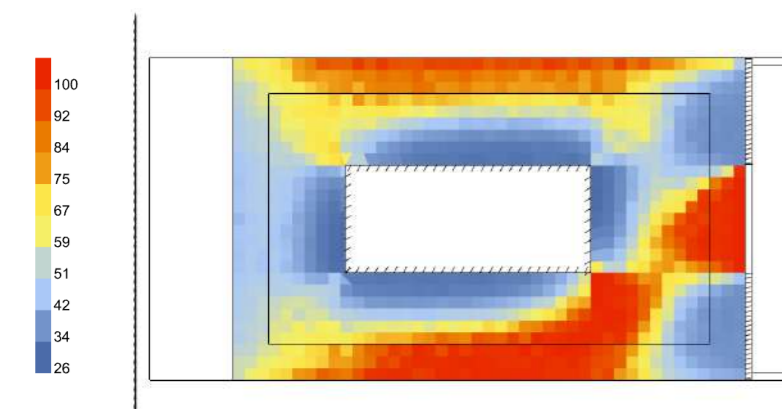
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



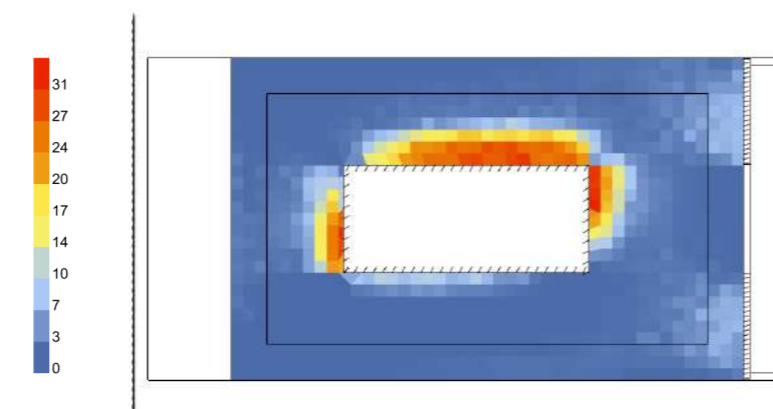
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

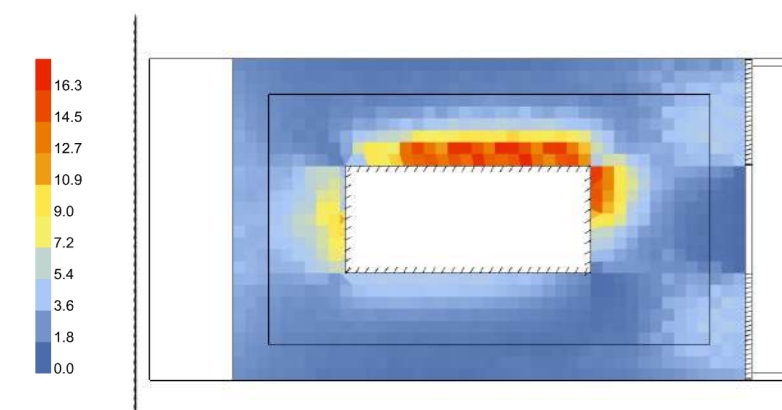


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

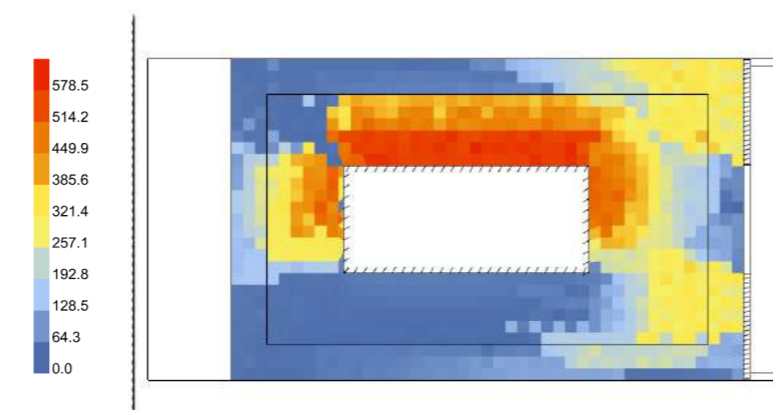


Annual Irradiance

1. Average Irradiance - [W/m²]

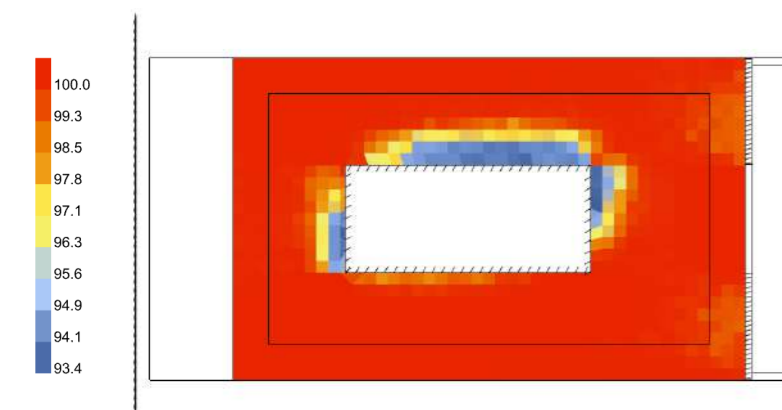


2. Peak Irradiance - [W/m²]



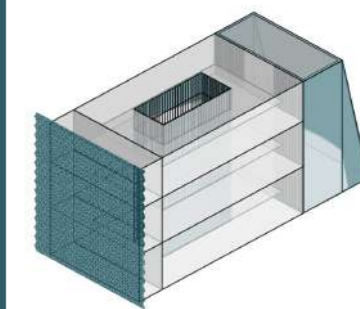
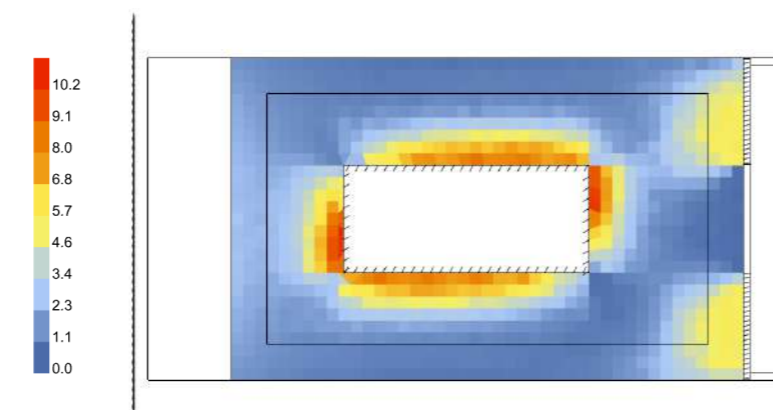
Annual Glare

1. Glare Autonomy (GA) - [%]

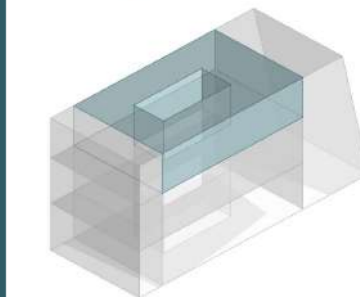


Daylight Factor

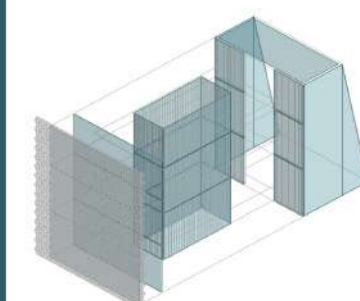
[%]



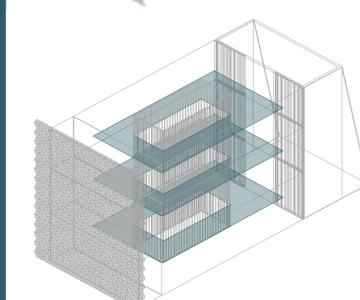
1. Modello Rhino



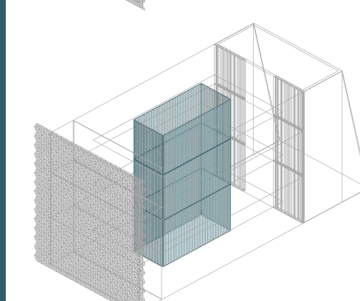
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



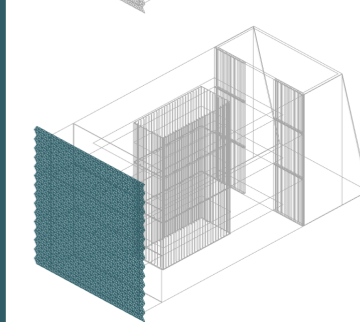
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 30°



6. Modello HB
Moduli PTFE
Trasmittanza = 0,3
Distanza = 0,60 cm
Totalmente aperto

212 ANALISI ILLUMINOTECNICHE
MODULI APERTI - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

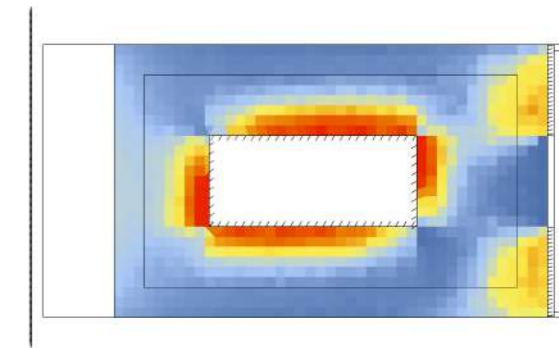
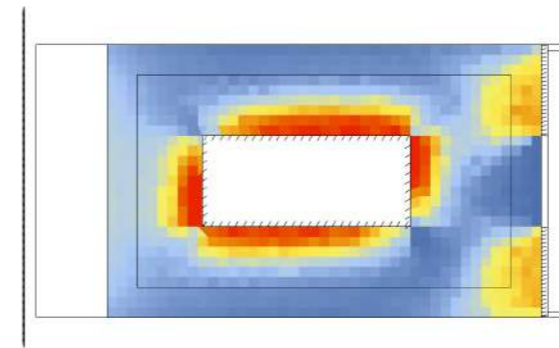
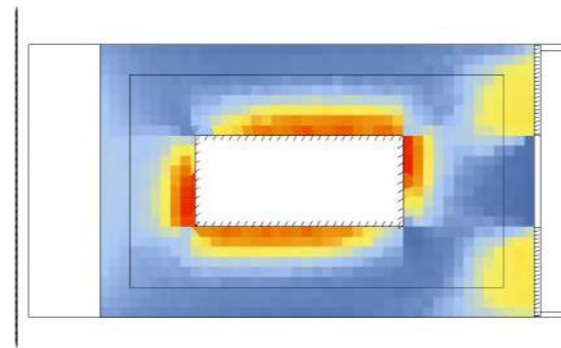
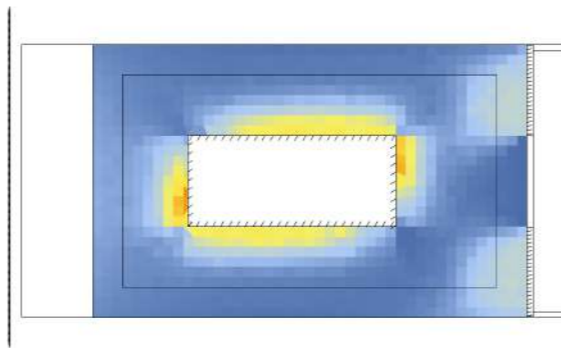
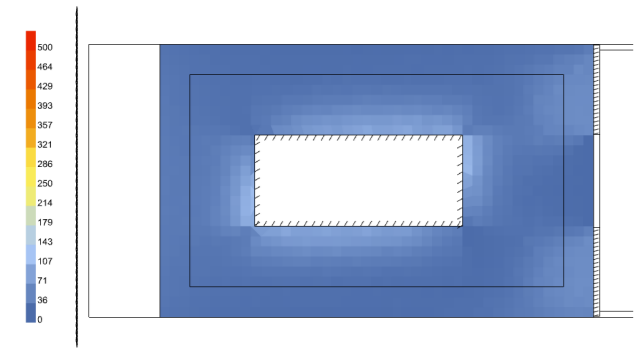
21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre

21 Dicembre



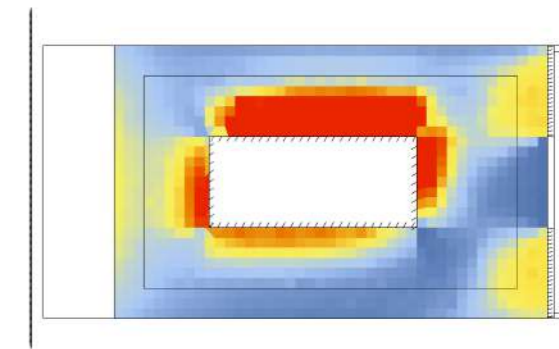
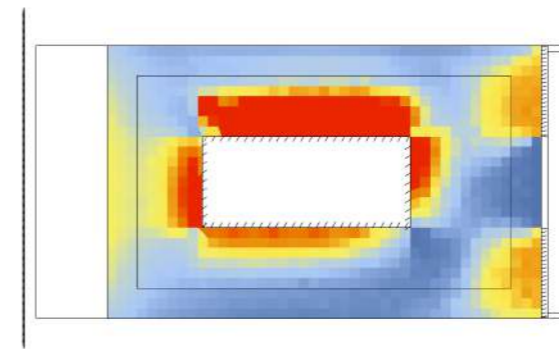
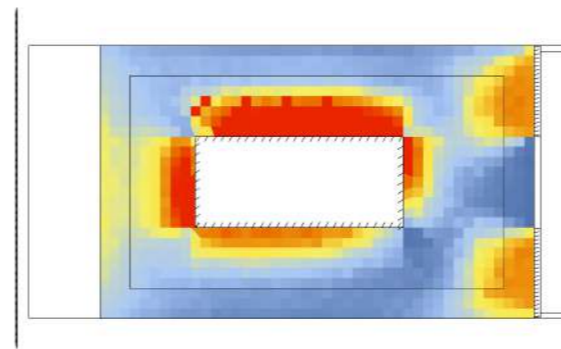
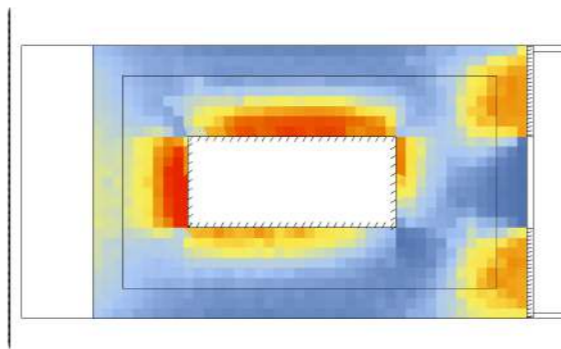
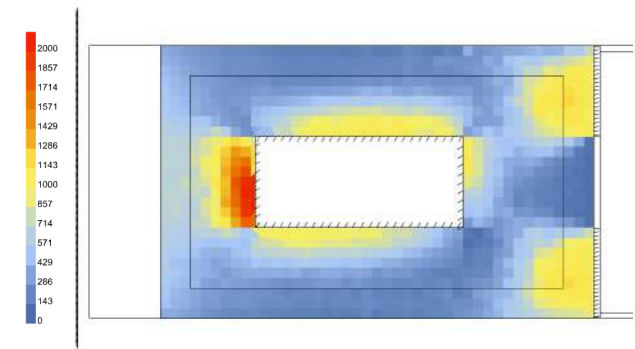
21 Marzo

21 Marzo

21 Marzo

21 Marzo

21 Marzo



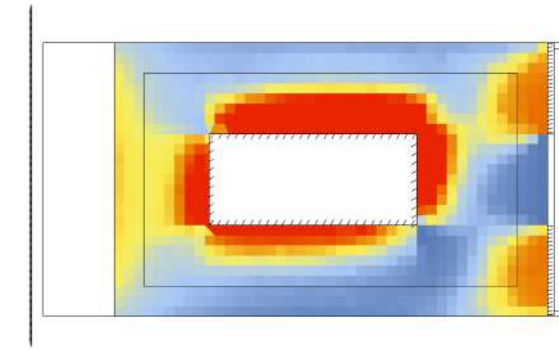
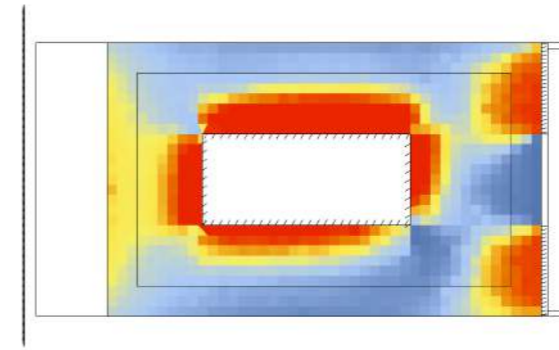
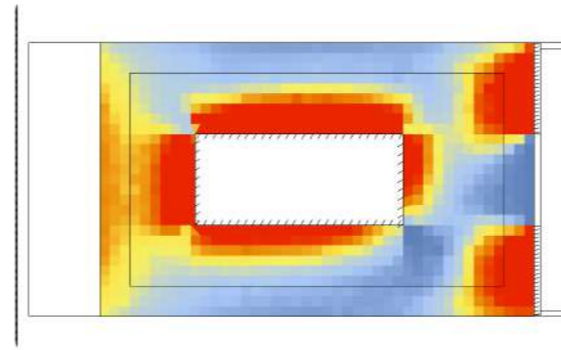
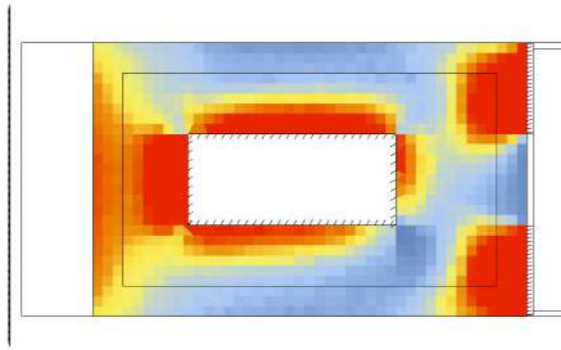
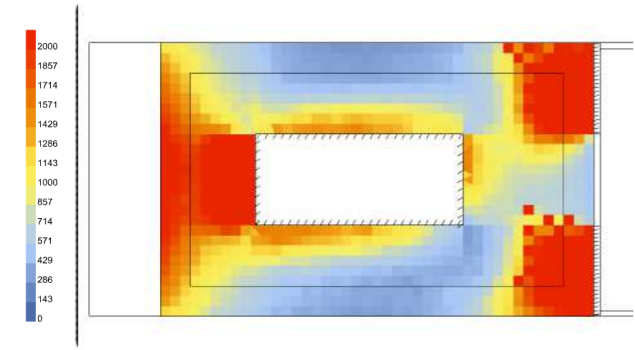
21 Giugno

21 Giugno

21 Giugno

21 Giugno

21 Giugno



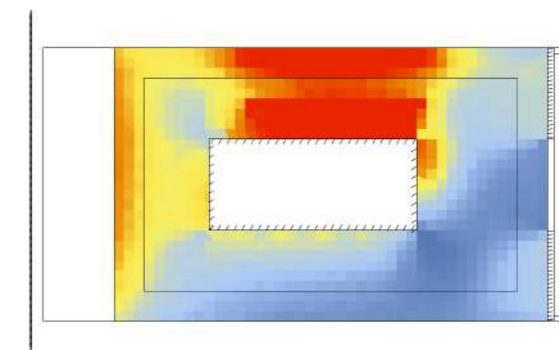
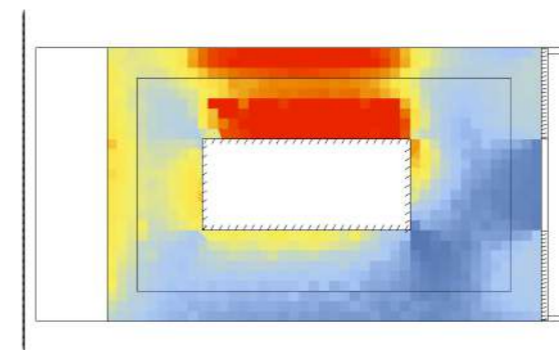
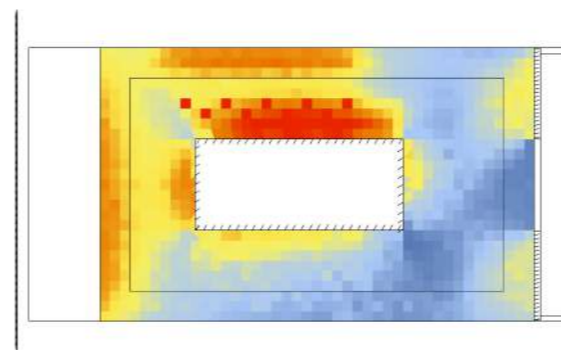
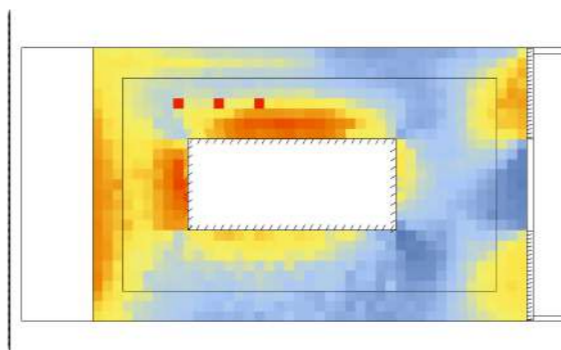
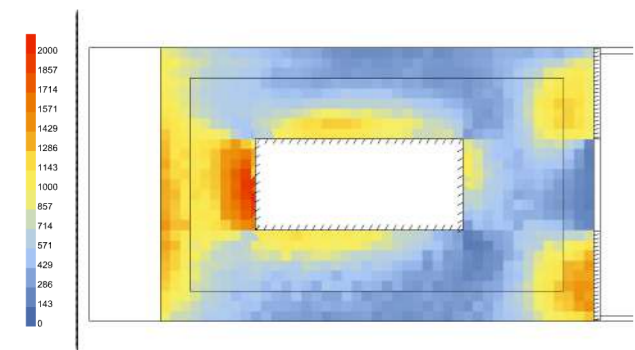
23 Settembre

23 Settembre

23 Settembre

23 Settembre

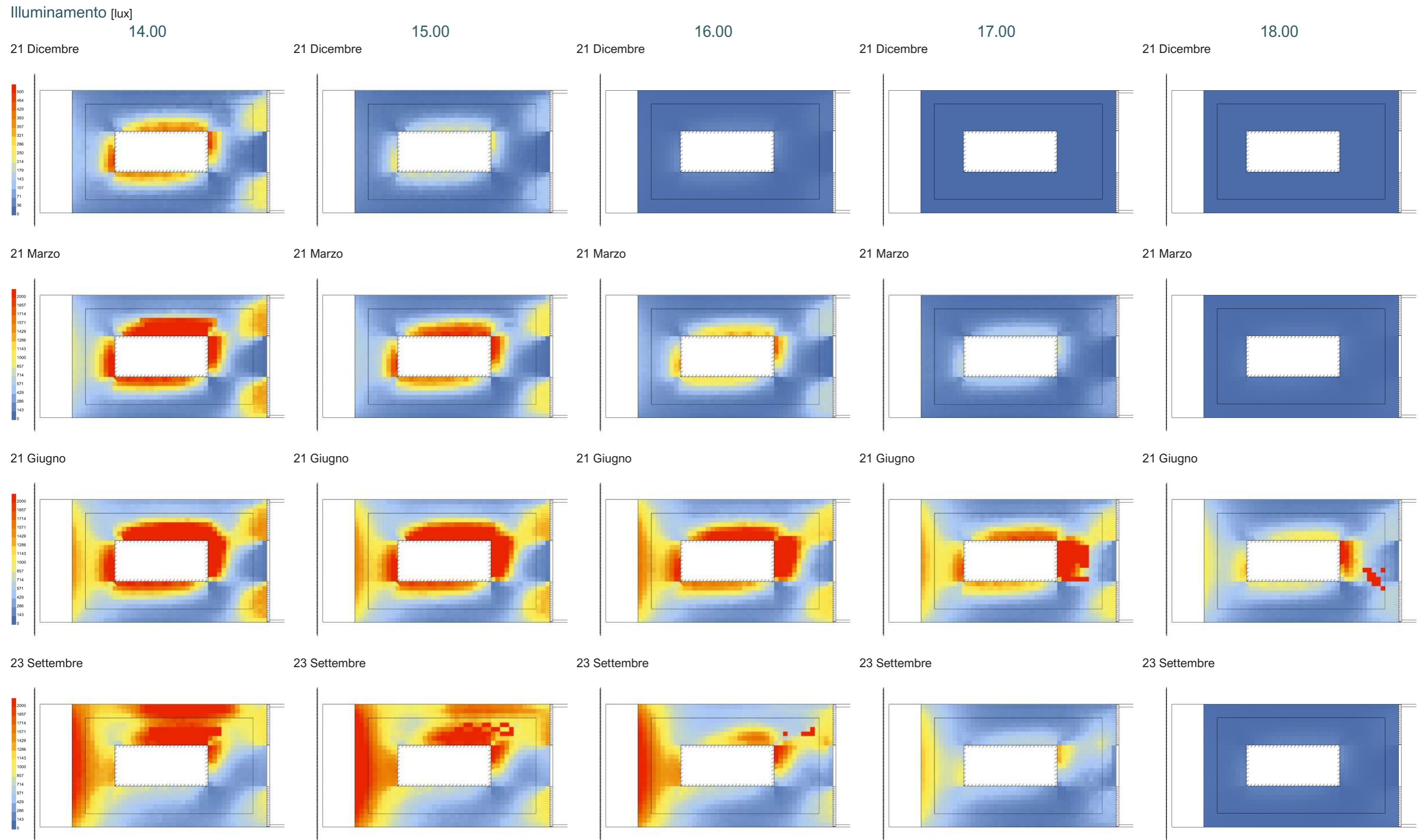
23 Settembre



213 ANALISI ILLUMINOTECNICHE
MODULI APERTI - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia



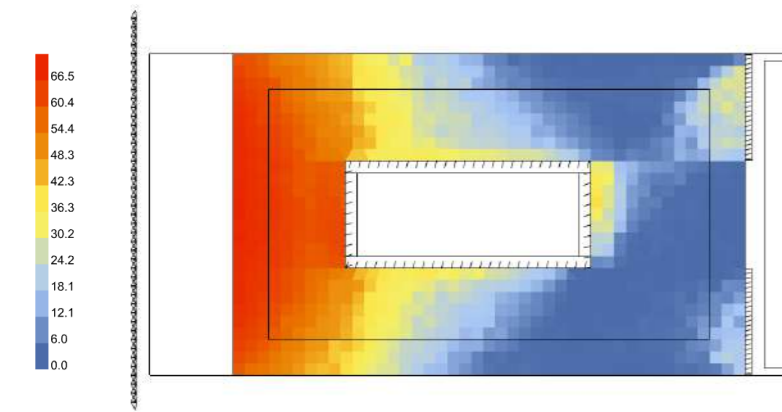
214 ANALISI ILLUMINOTECNICHE
MODULI APERTI - P2



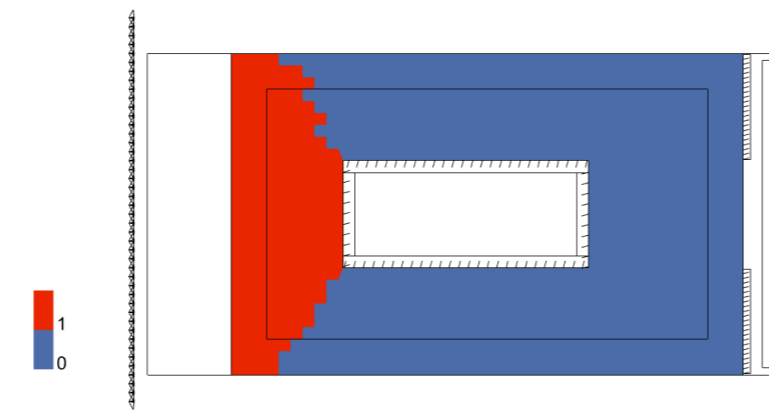
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

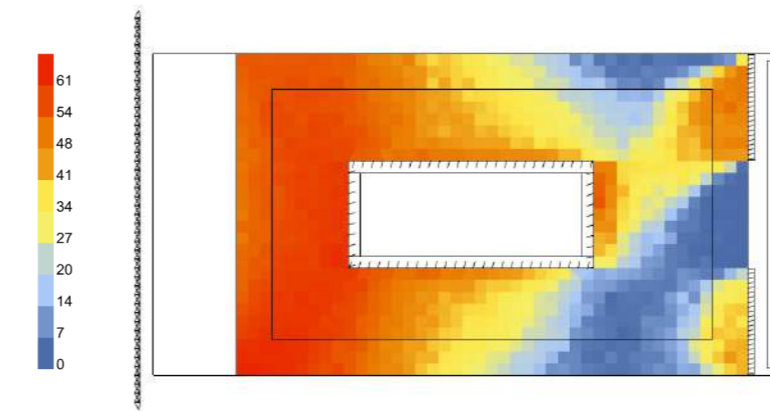
1. Daylight Autonomy (DA) - [%]



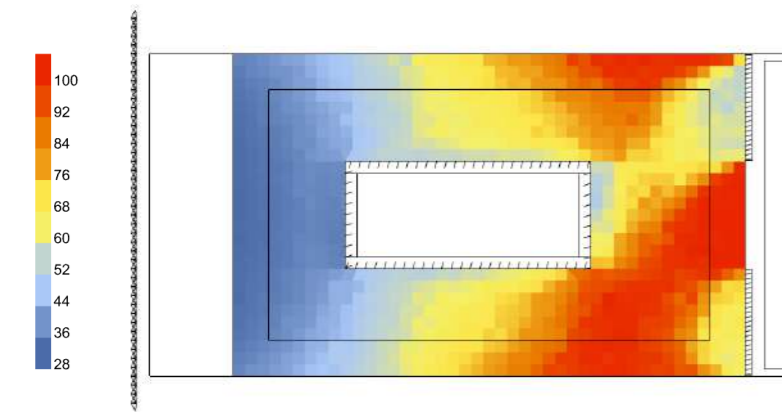
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



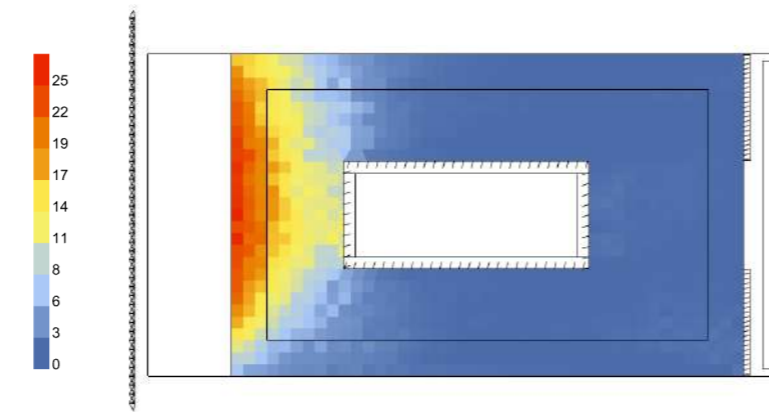
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

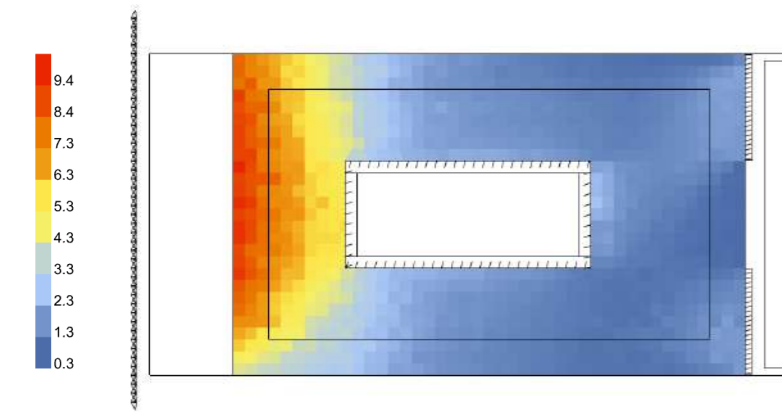


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

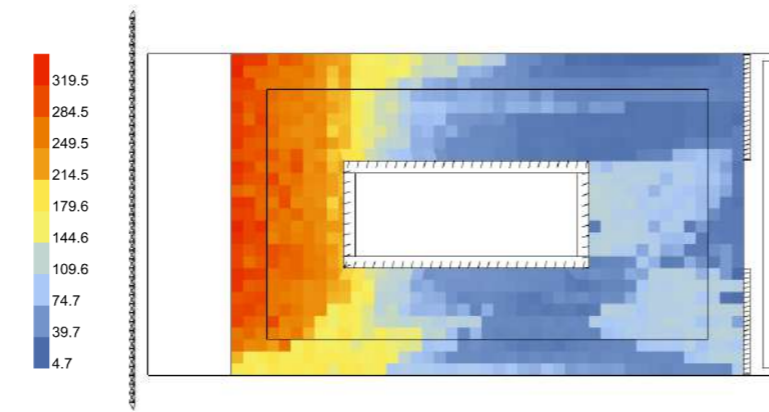


Annual Irradiance

1. Average Irradiance - [W/m²]

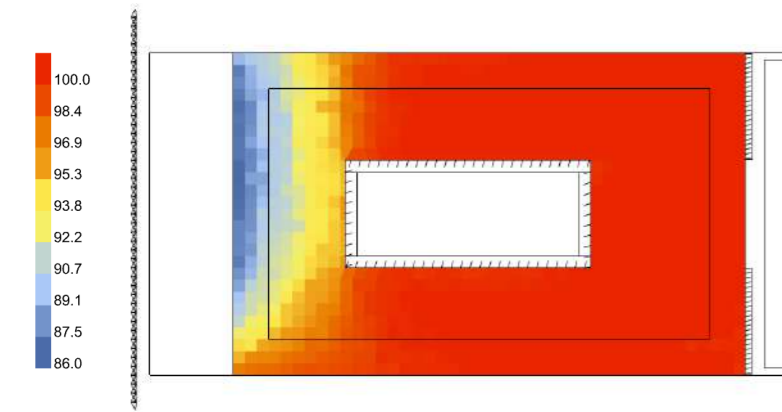


2. Peak Irradiance - [W/m²]



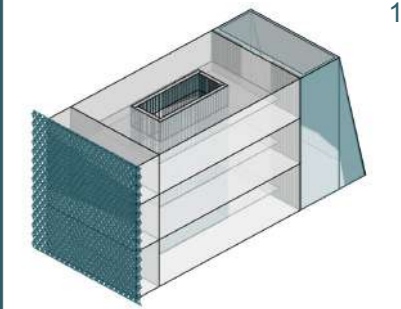
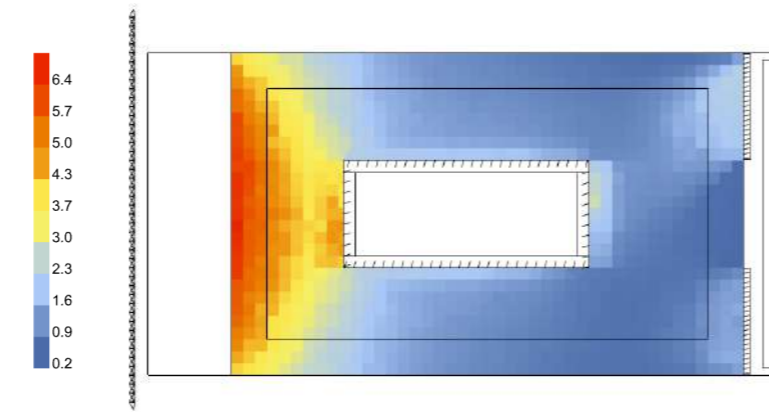
Annual Glare

1. Glare Autonomy (GA) - [%]

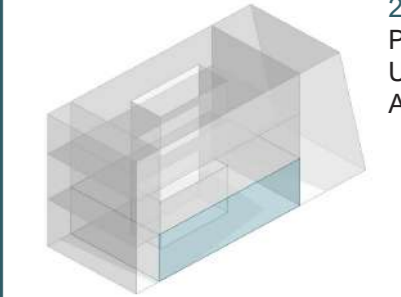


Daylight Factor

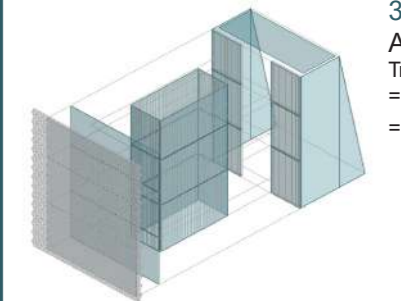
[%]



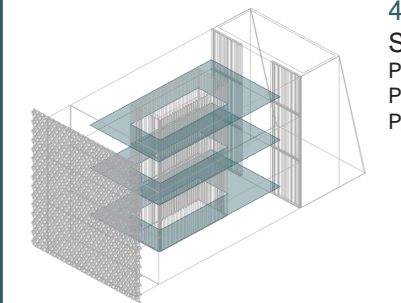
1. Modello Rhino



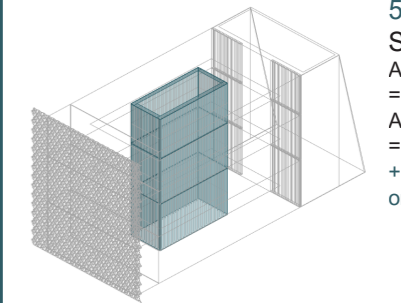
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



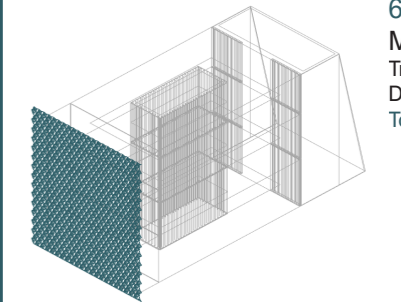
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmissione = 0,2
Distanza = 0,60 cm
Totalmente chiuso

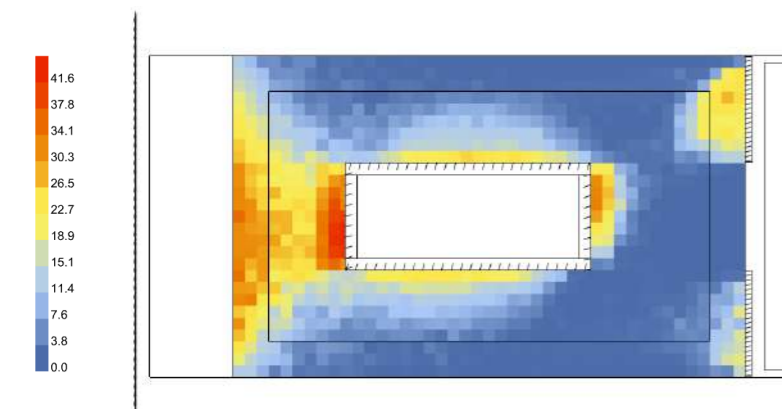
215 SCELTA CONFIGURAZIONE
CP1 - PT



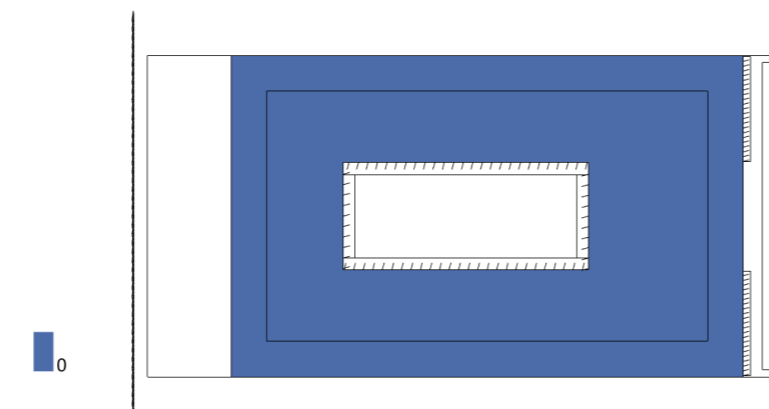
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

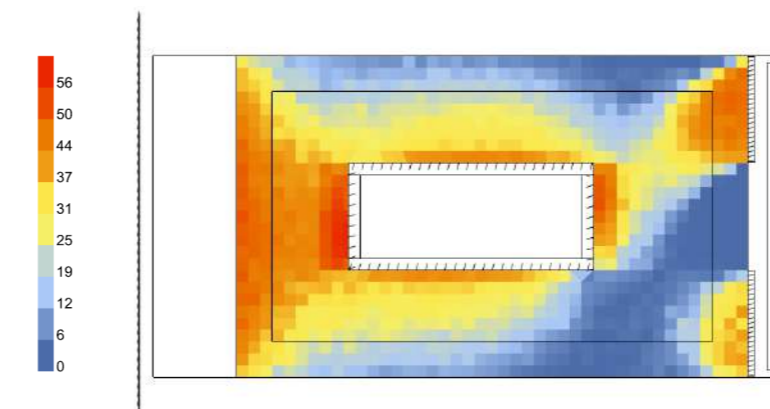
1. Daylight Autonomy (DA) - [%]



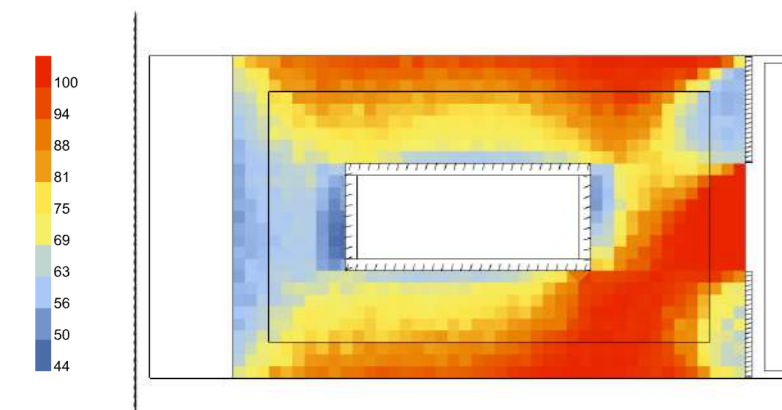
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



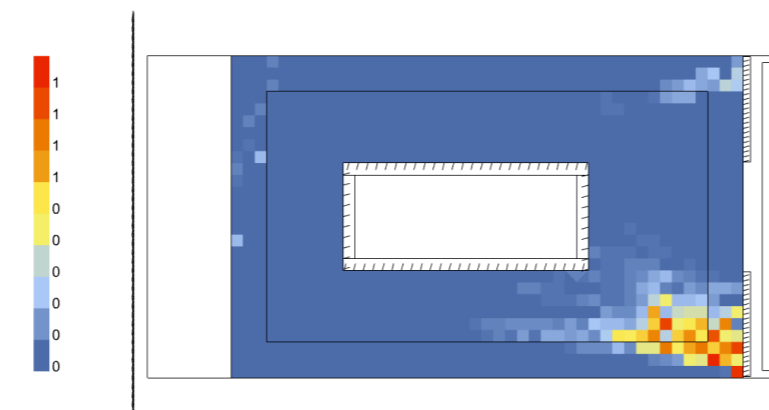
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

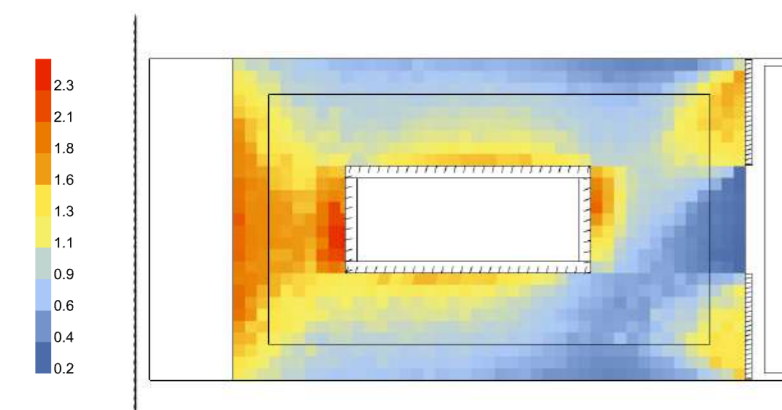


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

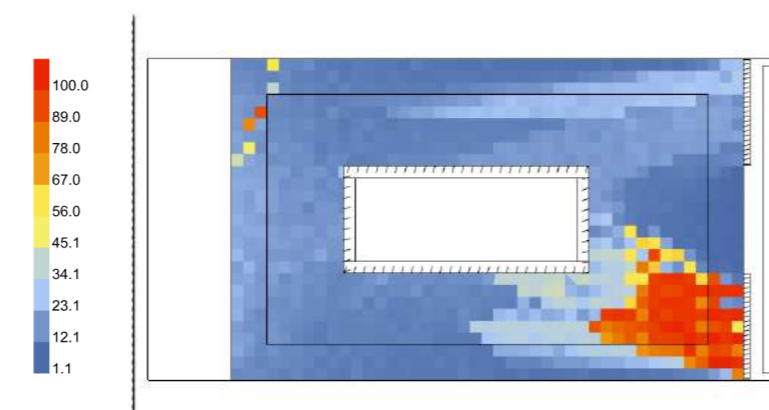


Annual Irradiance

1. Average Irradiance - [W/m²]

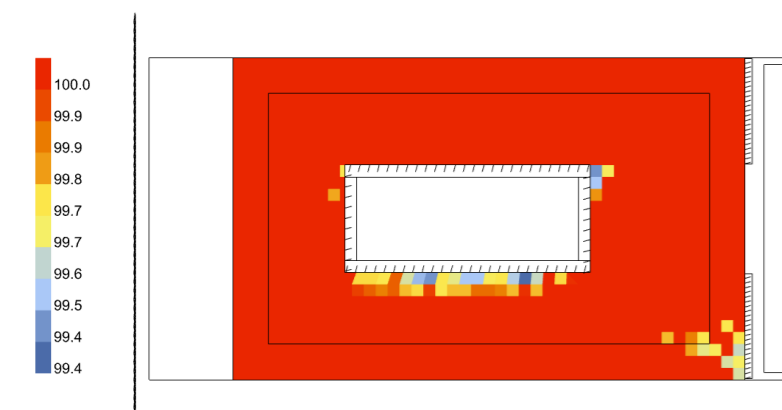


2. Peak Irradiance - [W/m²]



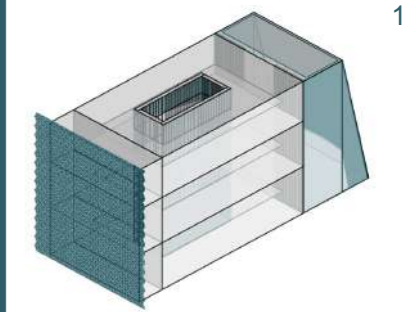
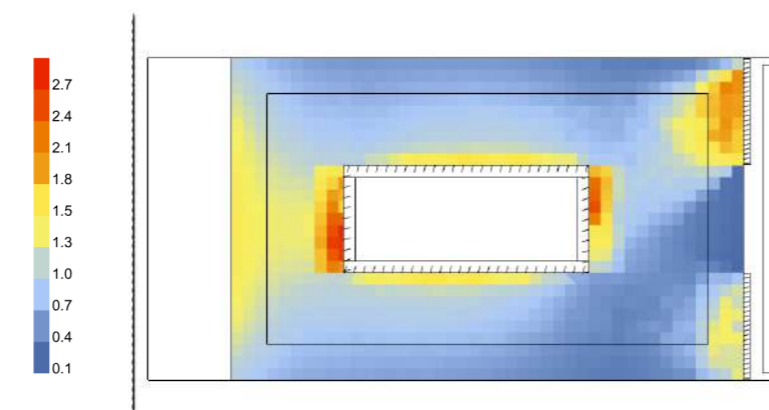
Annual Glare

1. Glare Autonomy (GA) - [%]

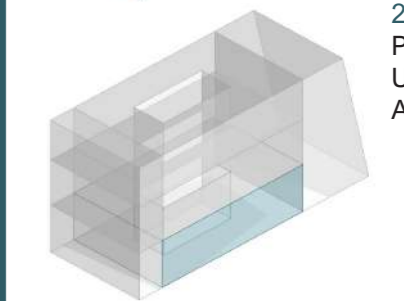


Daylight Factor

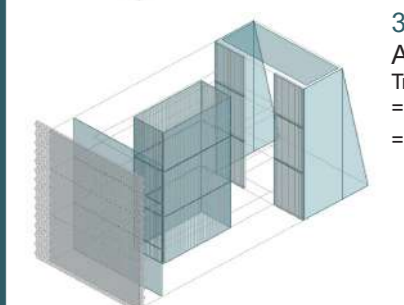
[%]



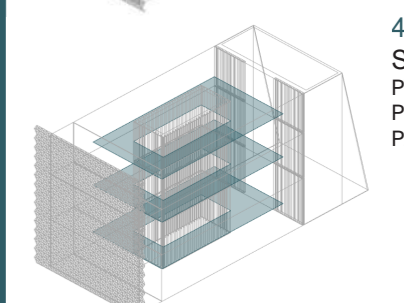
1. Modello Rhino



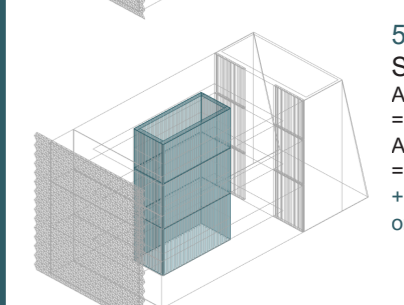
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



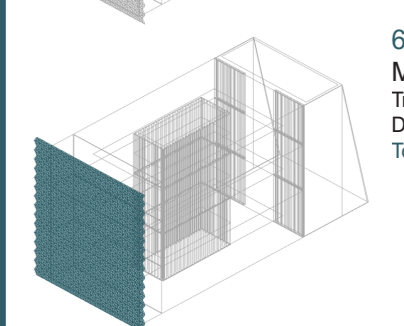
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmissione = 0,2
Distanza = 0,60 cm
Totalmente aperto

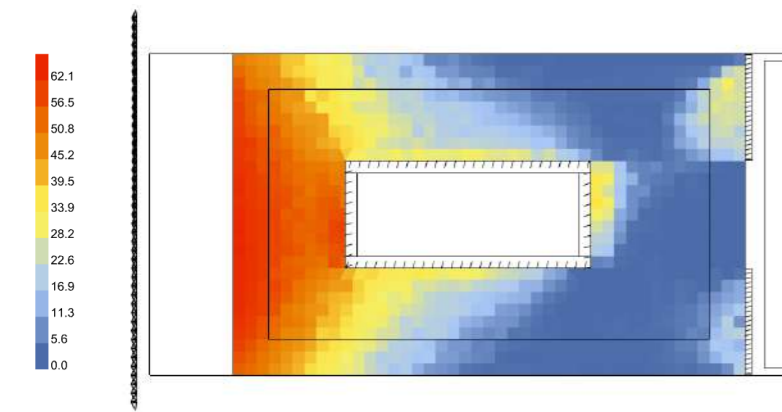
216 SCELTA CONFIGURAZIONE
CP2 - PT



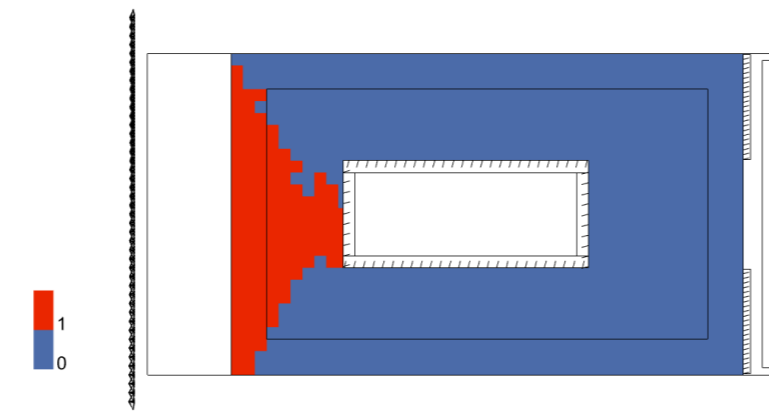
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

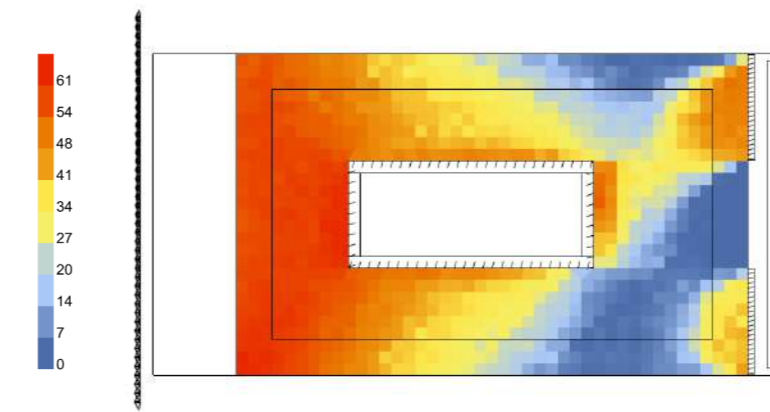
1. Daylight Autonomy (DA) - [%]



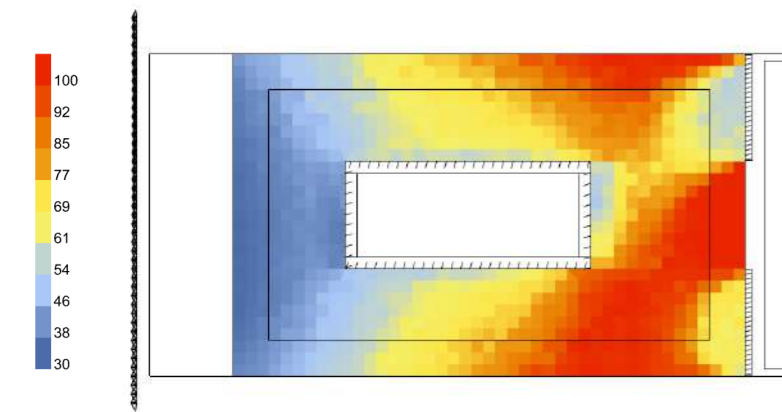
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



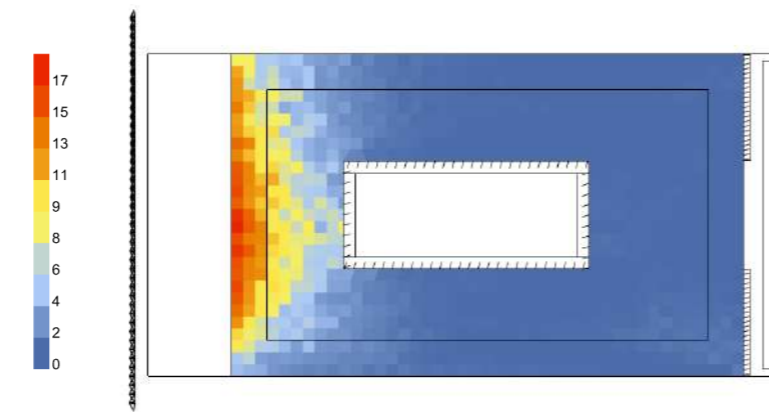
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

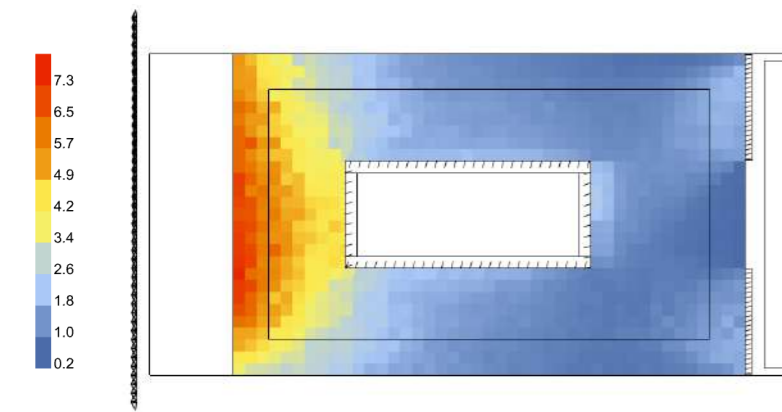


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

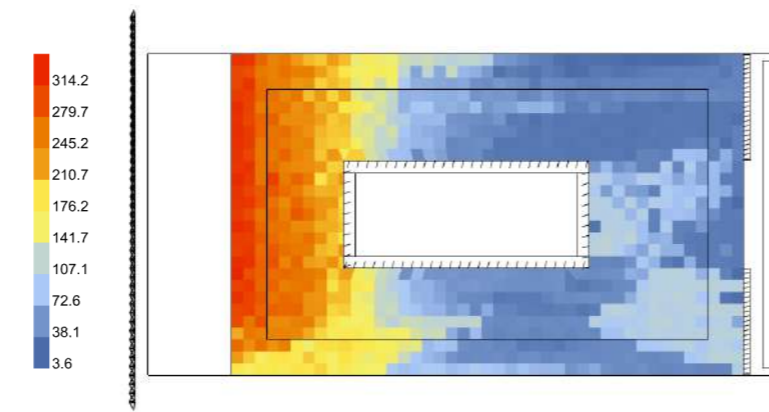


Annual Irradiance

1. Average Irradiance - [W/m²]

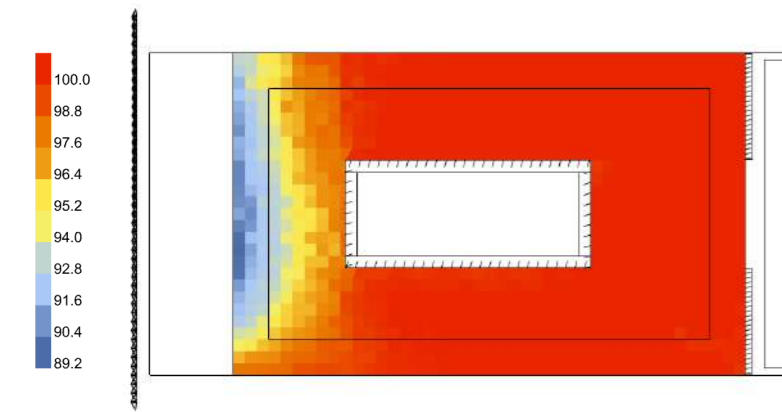


2. Peak Irradiance - [W/m²]



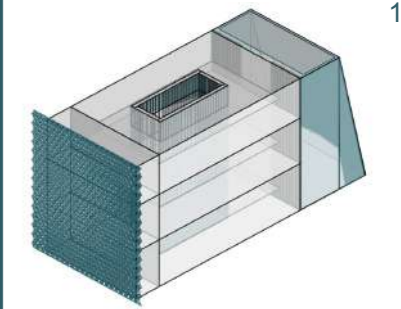
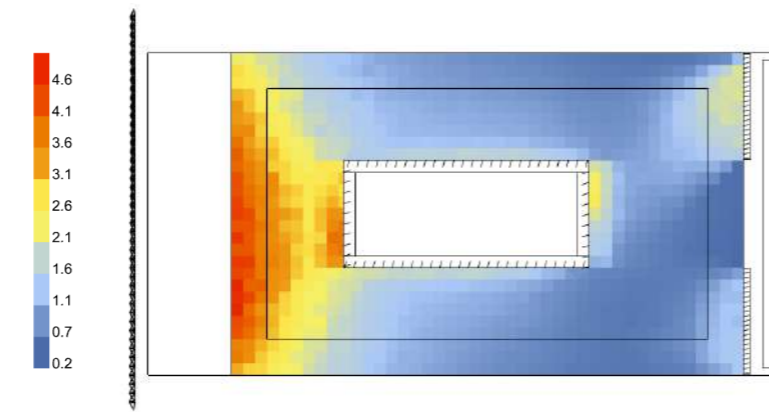
Annual Glare

1. Glare Autonomy (GA) - [%]

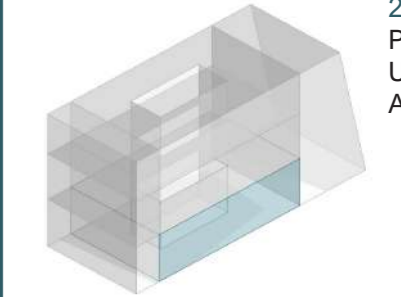


Daylight Factor

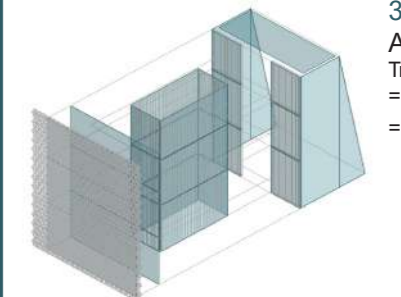
[%]



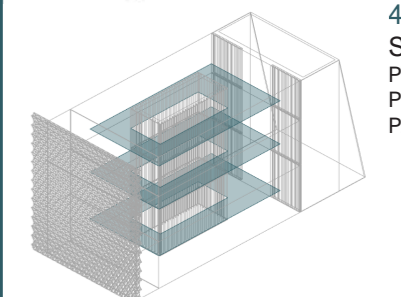
1. Modello Rhino



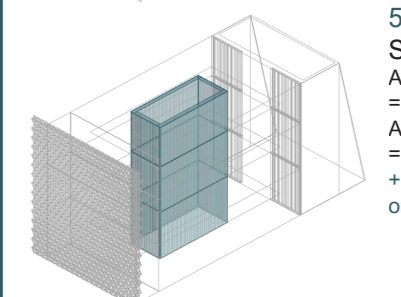
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



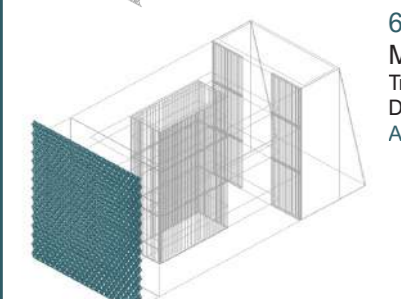
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Aperto verso Nord

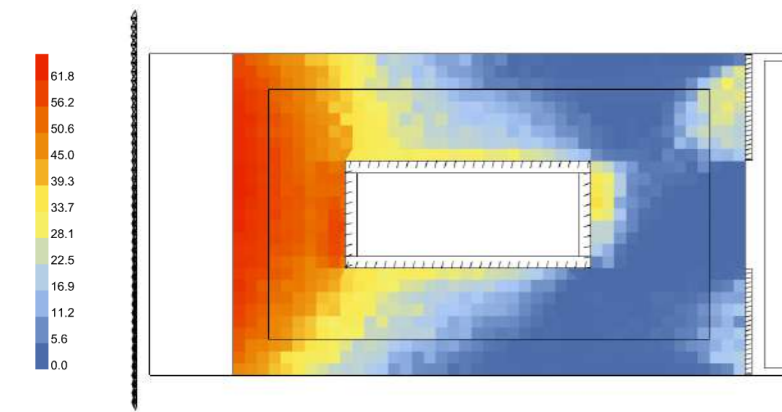
217 SCELTA CONFIGURAZIONE
CP3 - PT



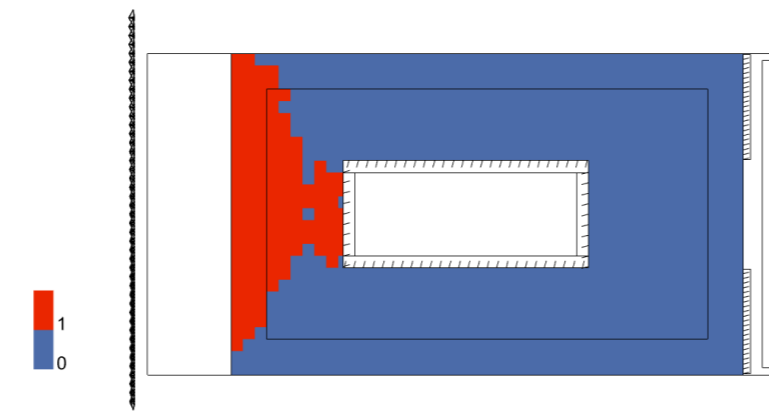
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

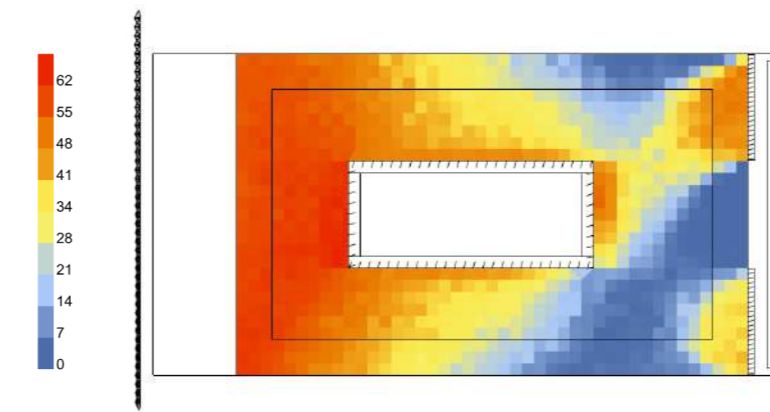
1. Daylight Autonomy (DA) - [%]



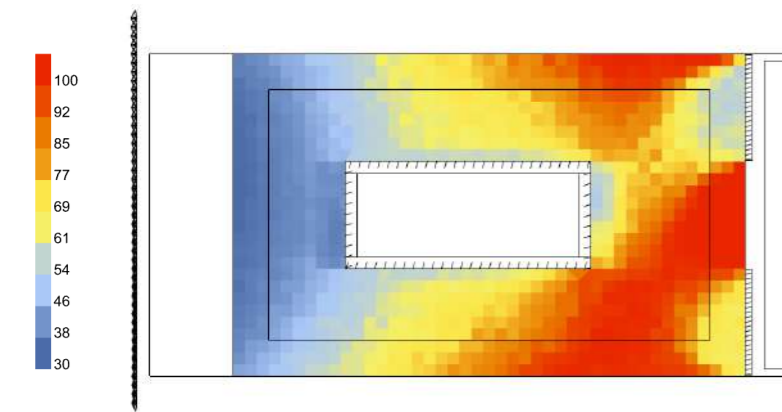
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



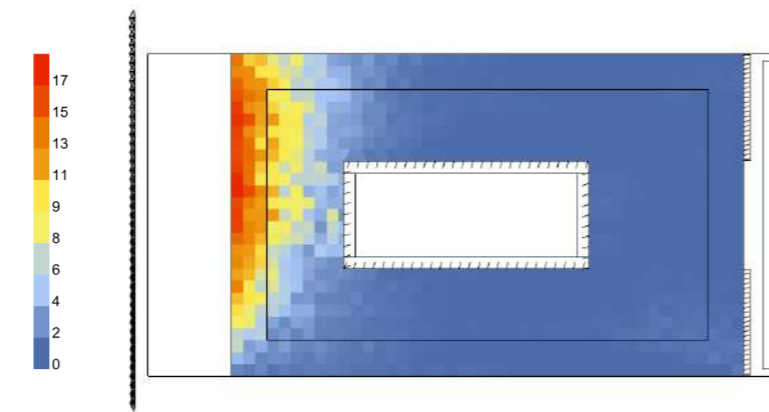
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

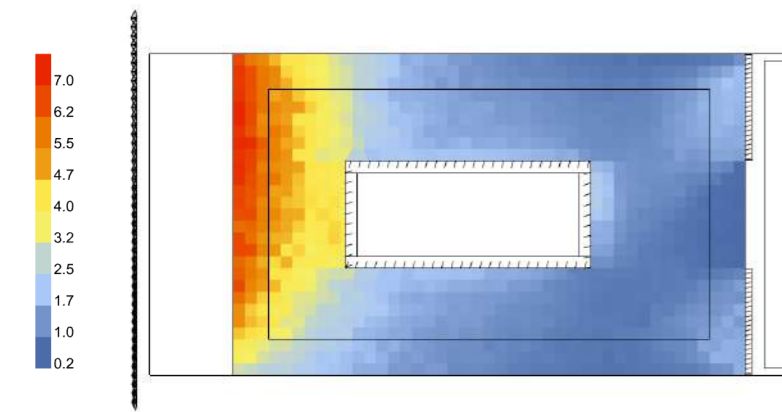


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

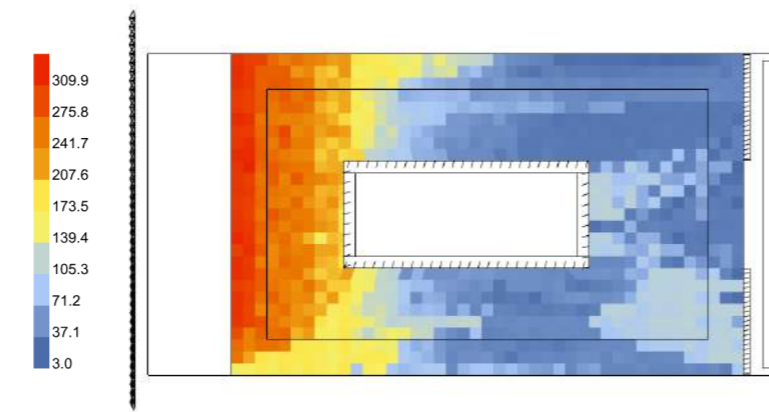


Annual Irradiance

1. Average Irradiance - [W/m²]

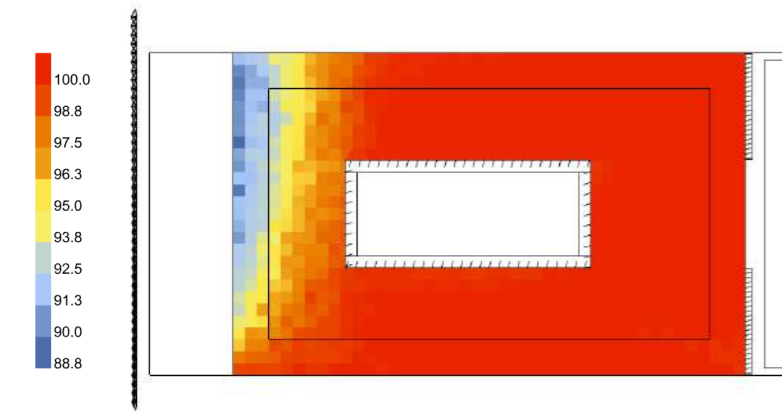


2. Peak Irradiance - [W/m²]



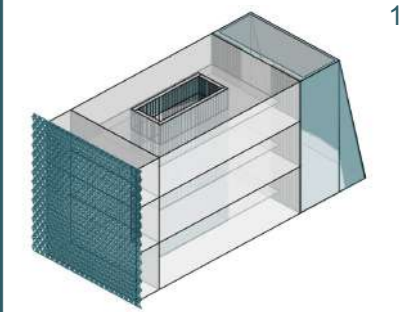
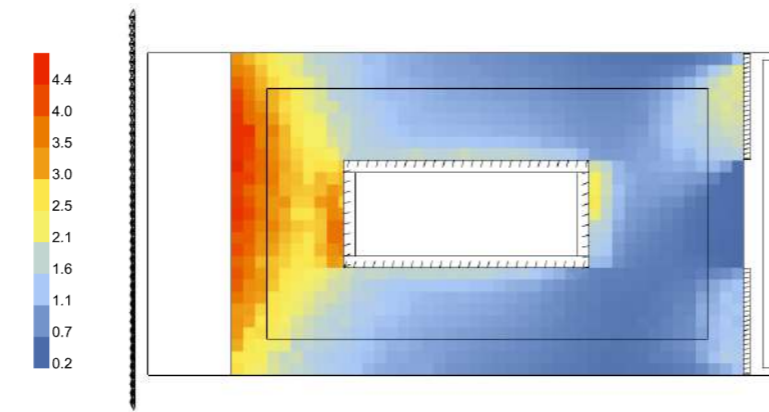
Annual Glare

1. Glare Autonomy (GA) - [%]

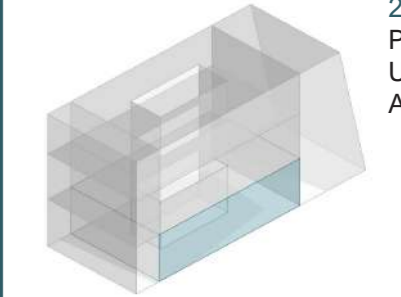


Daylight Factor

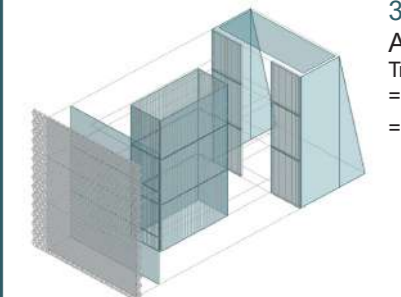
[%]



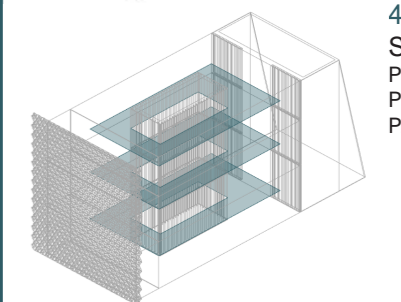
1. Modello Rhino



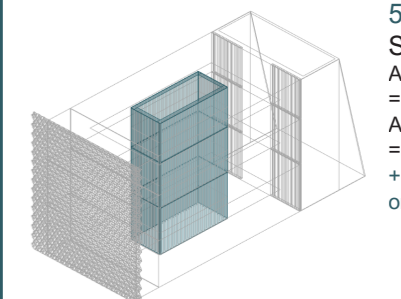
2. Modello HB
Piano Terra
Uffici 21,5x13,5m
Altezza 6,6 m



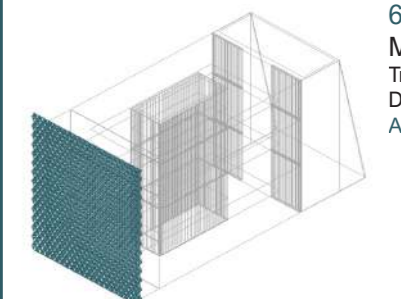
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Aperto verso Sud

218 SCELTA CONFIGURAZIONE
CP4 - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

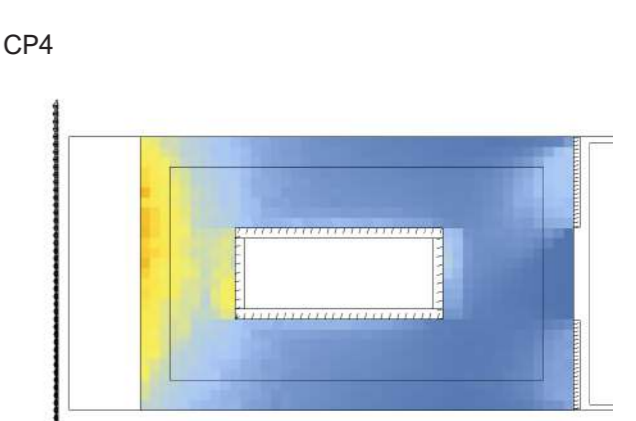
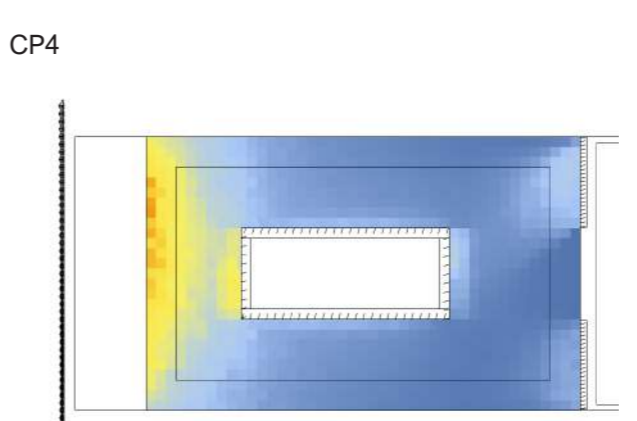
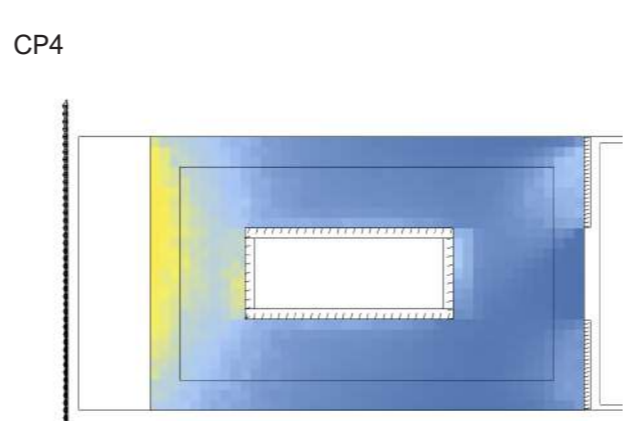
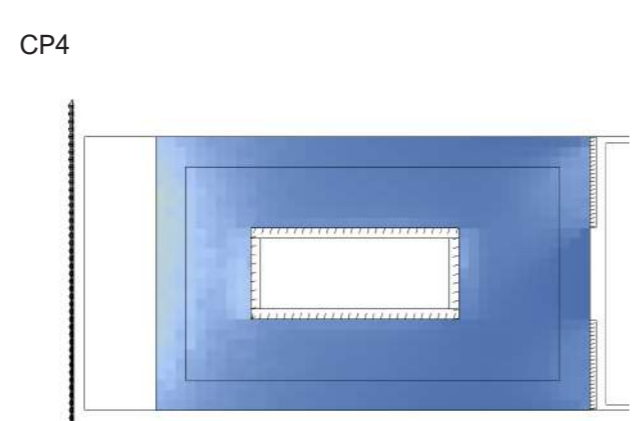
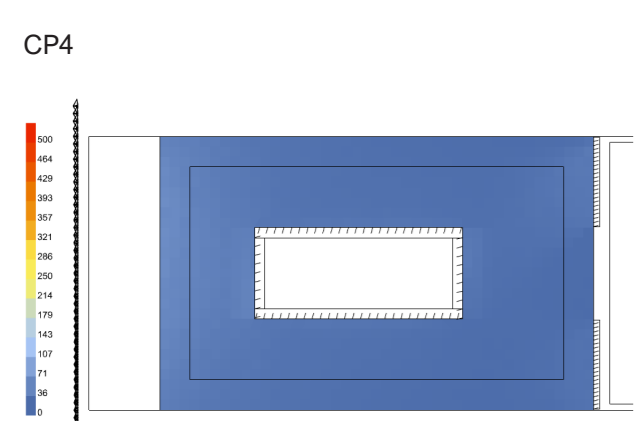
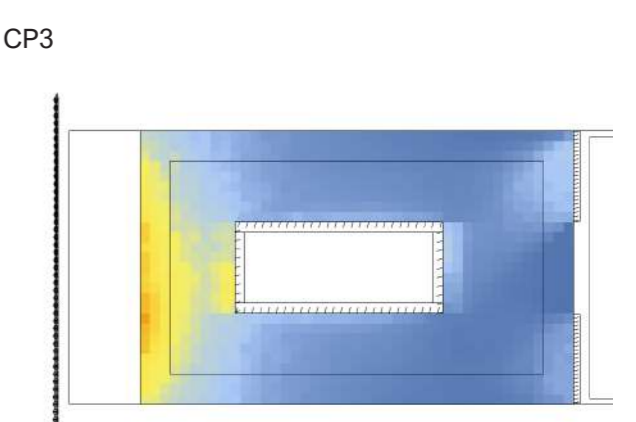
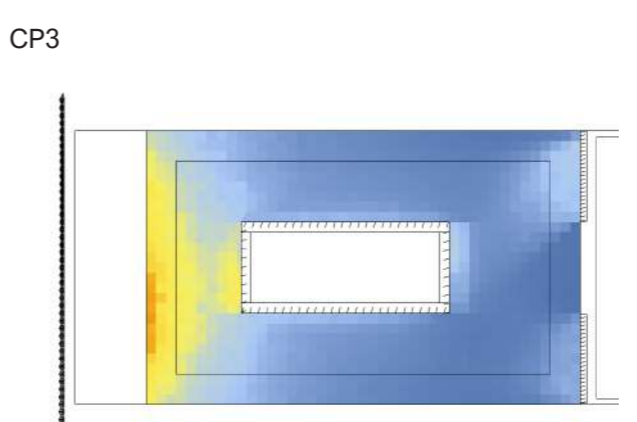
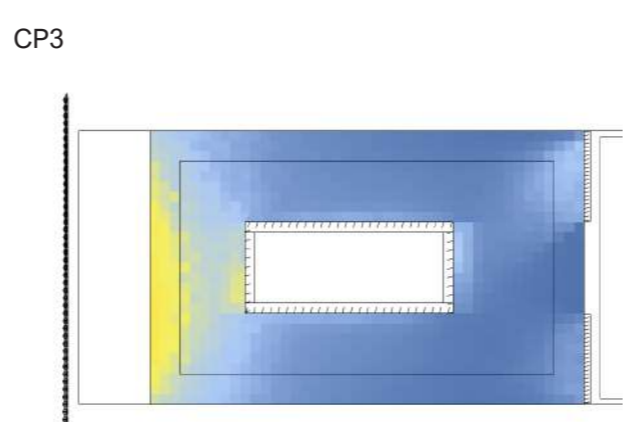
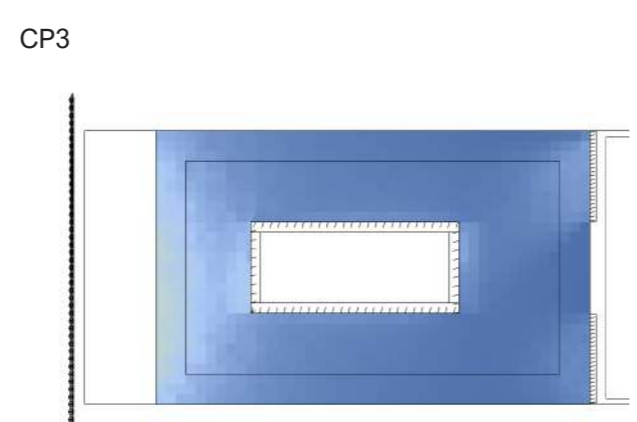
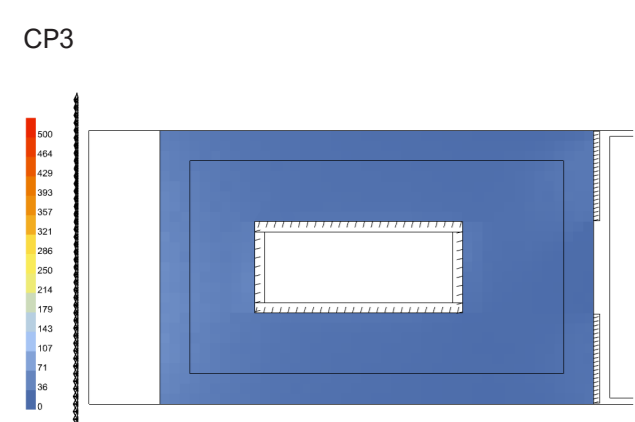
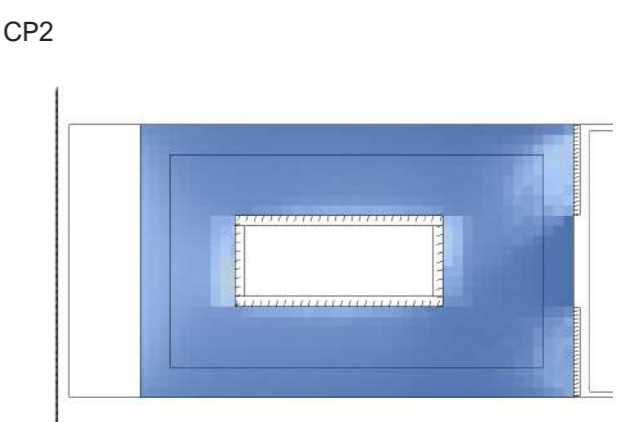
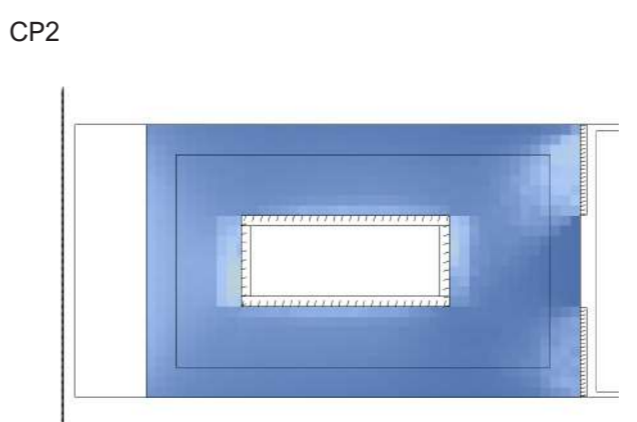
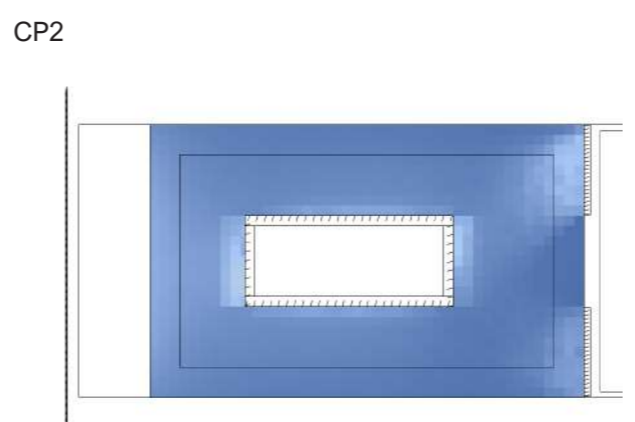
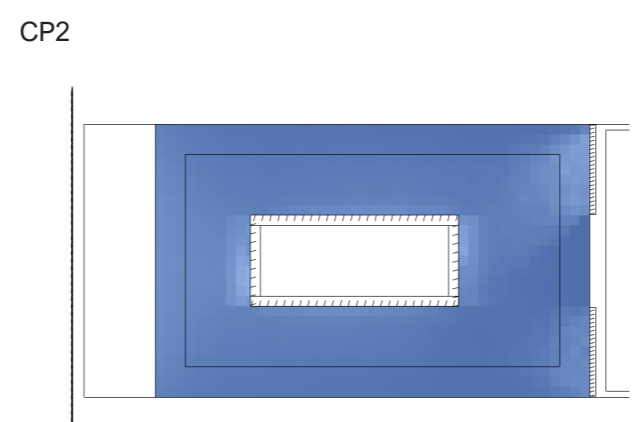
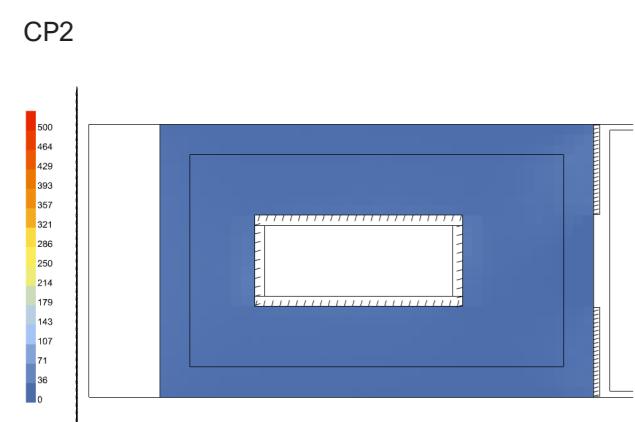
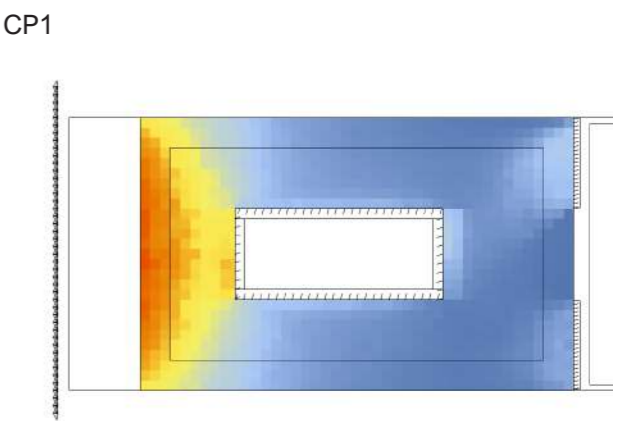
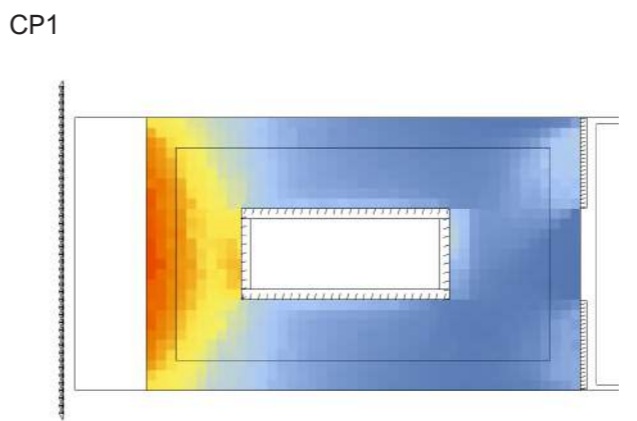
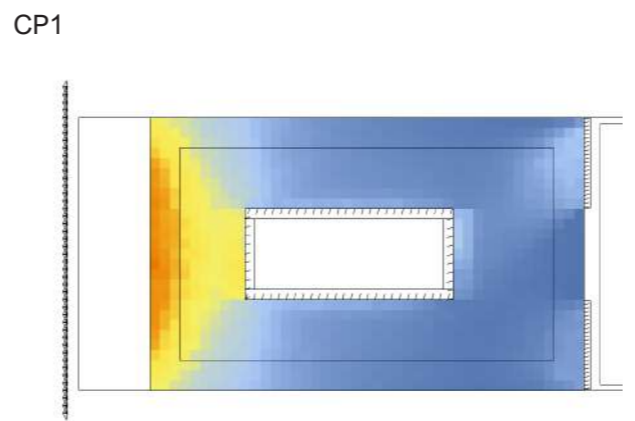
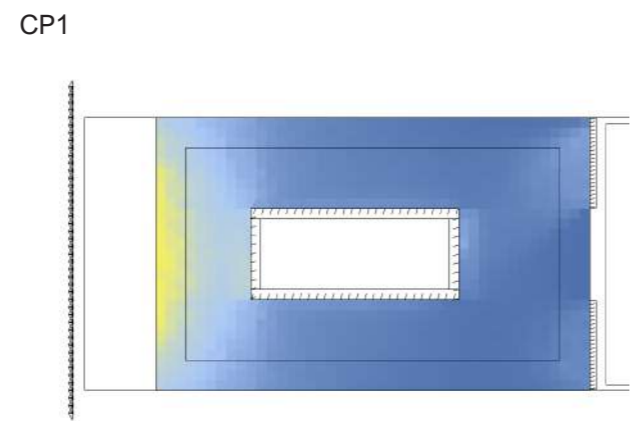
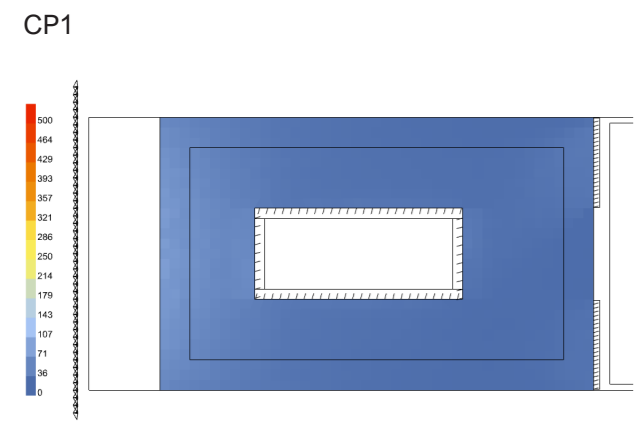
9.00

10.00

11.00

12.00

13.00



219 SCELTA CONFIGURAZIONE
21 DICEMBRE - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

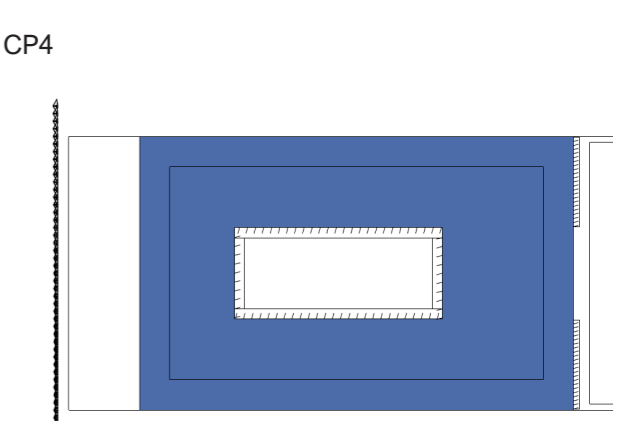
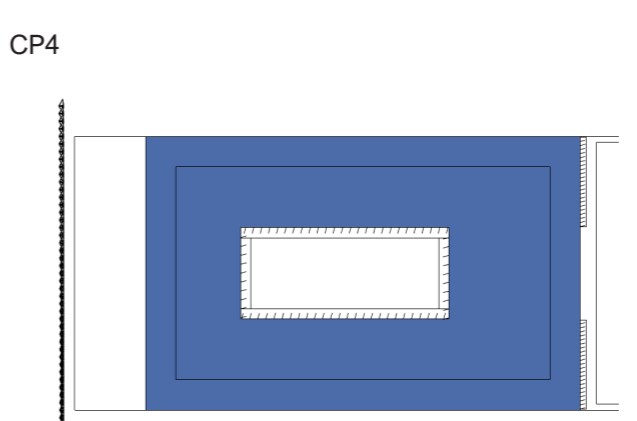
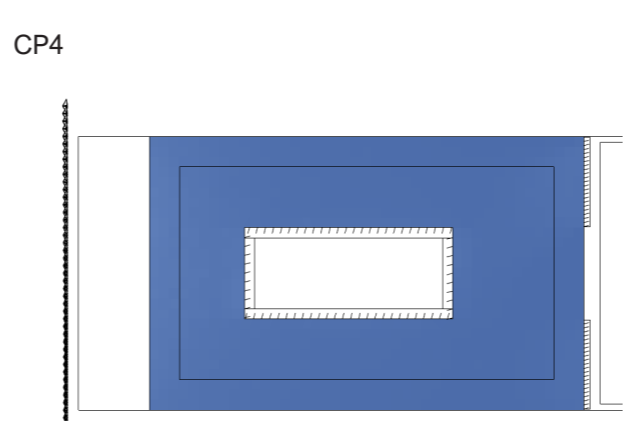
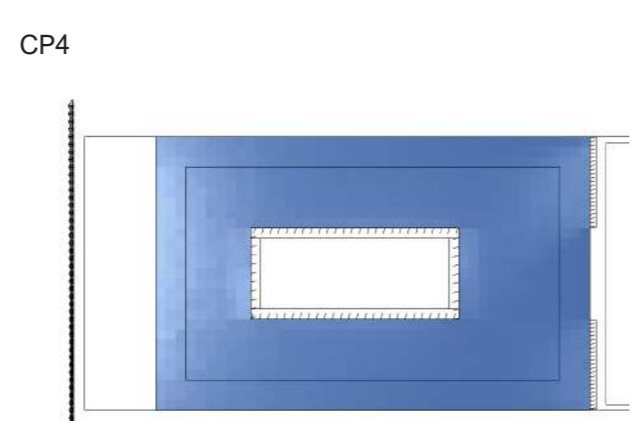
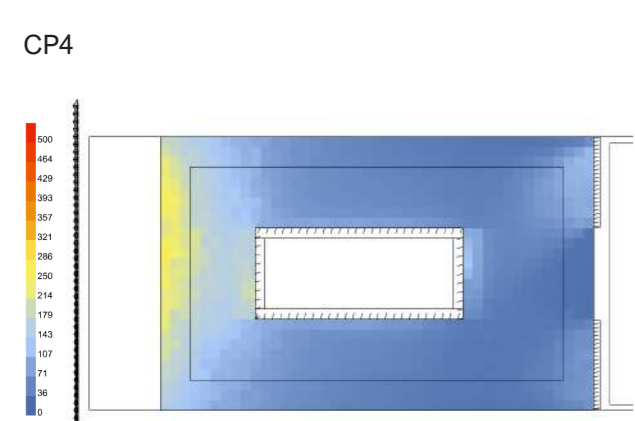
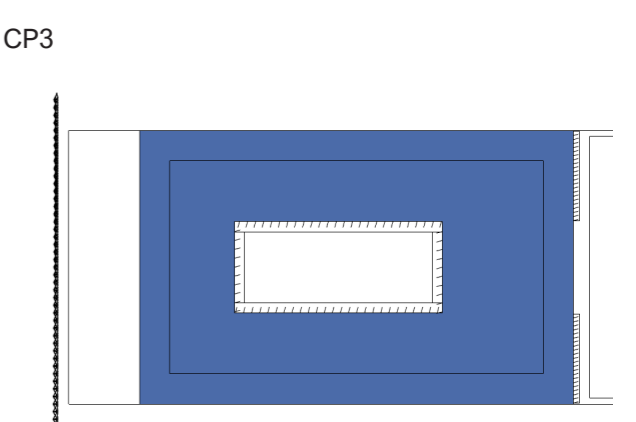
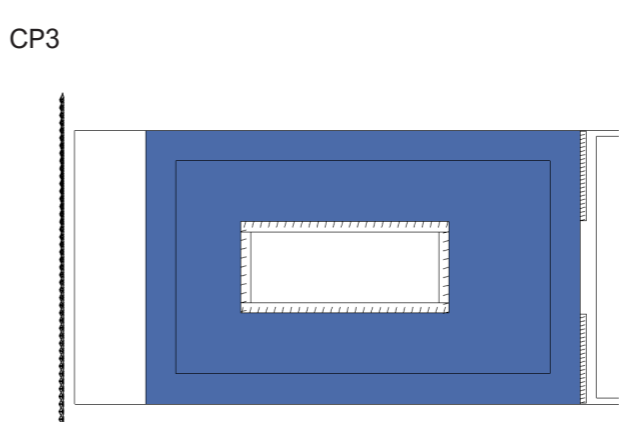
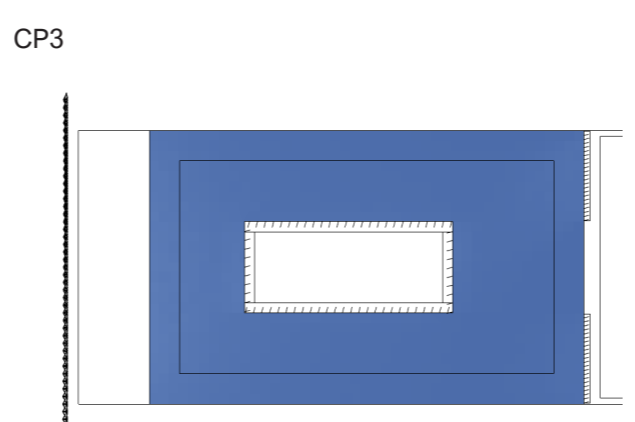
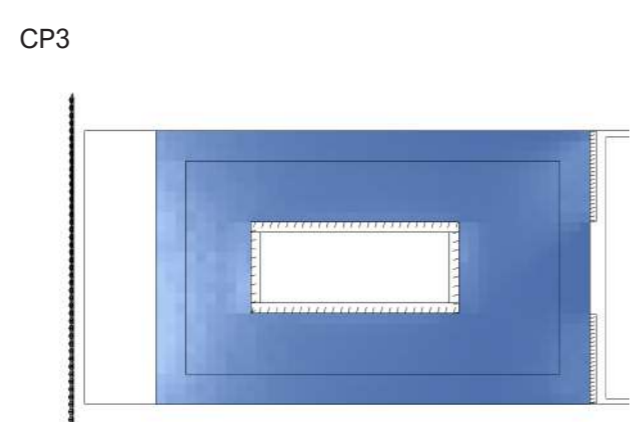
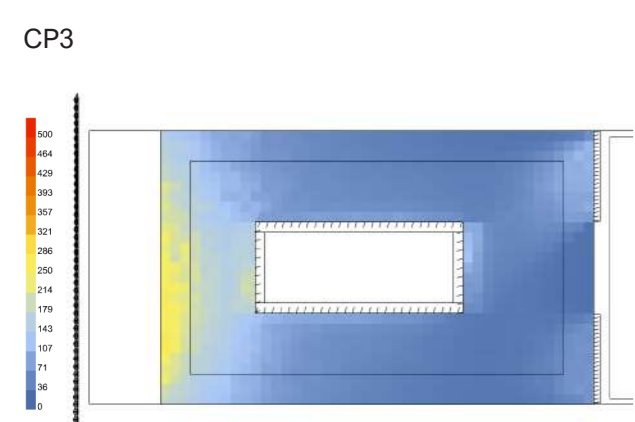
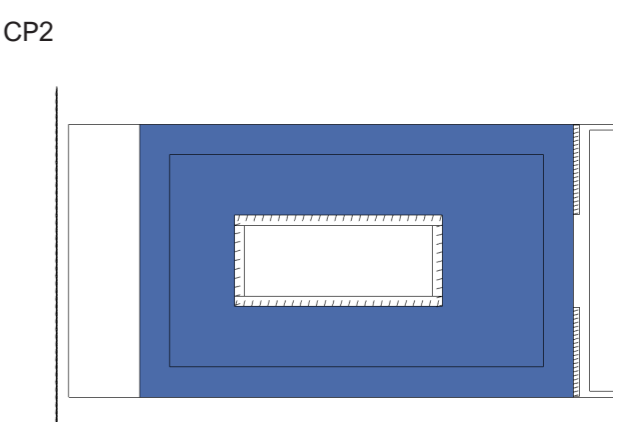
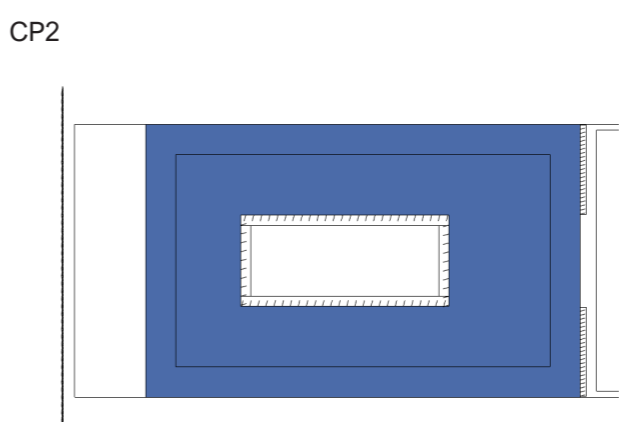
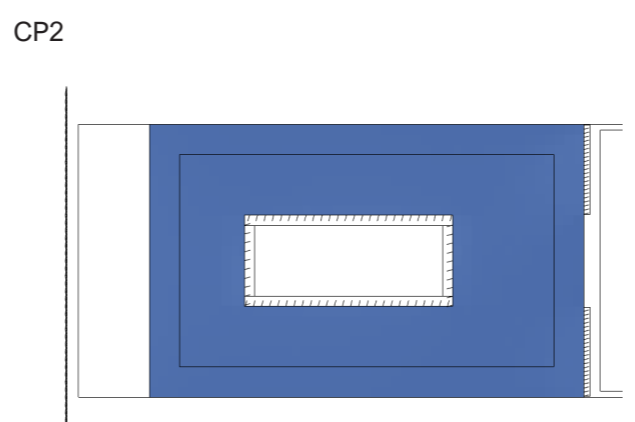
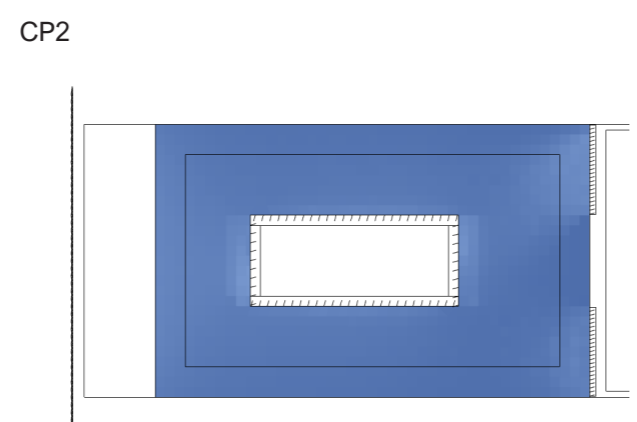
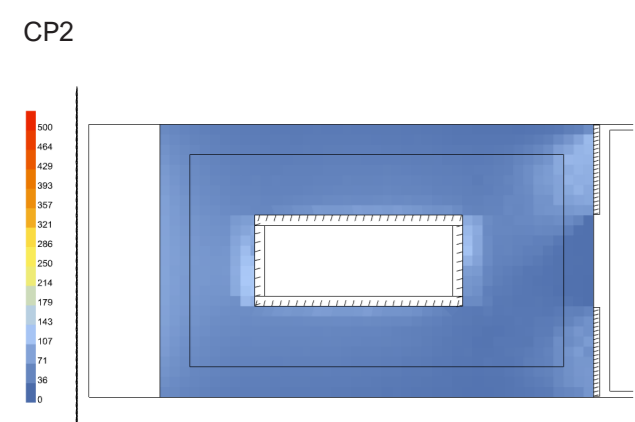
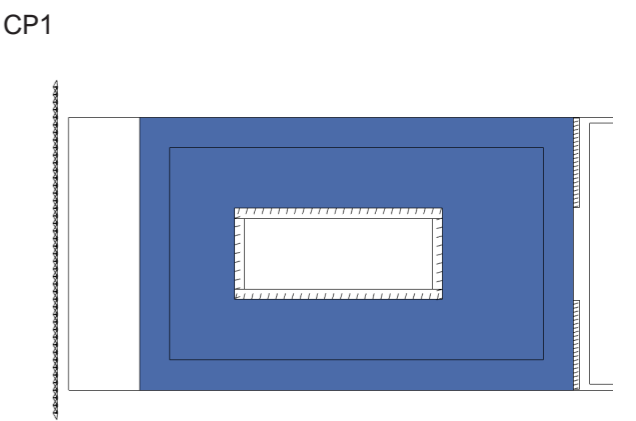
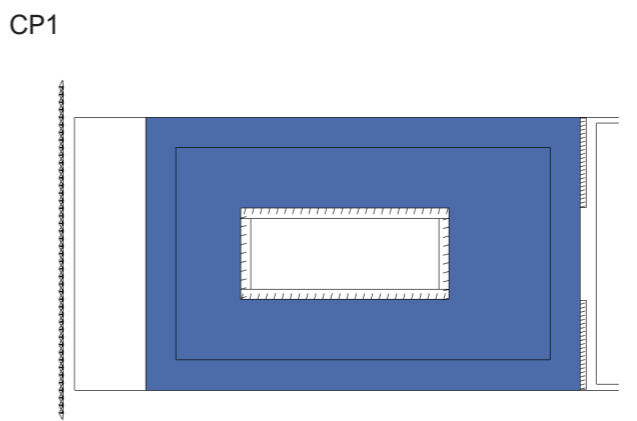
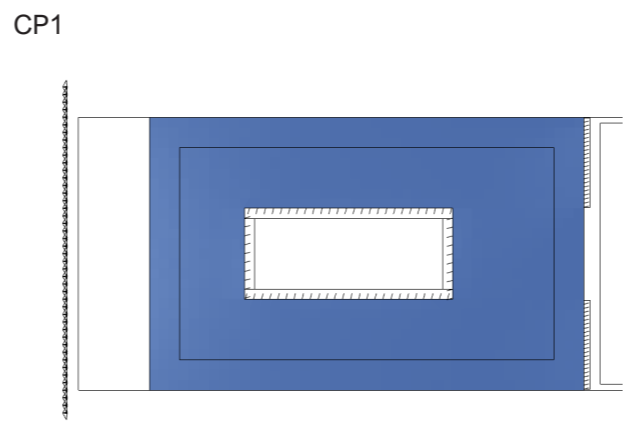
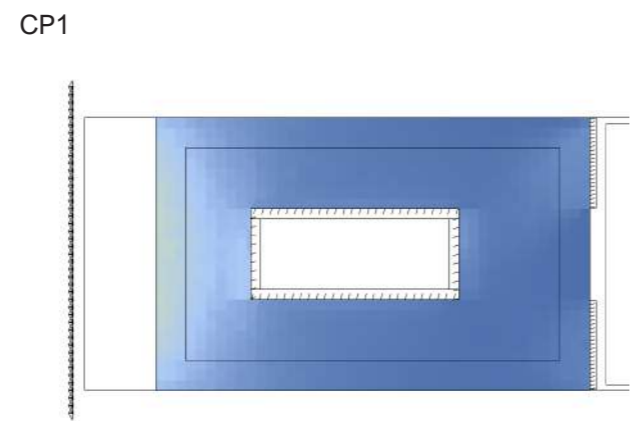
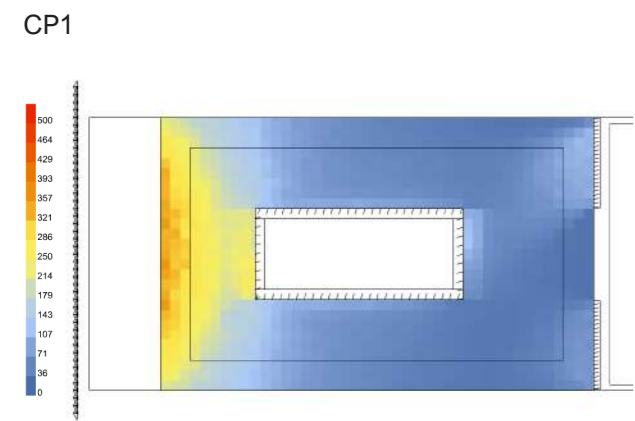
14.00

15.00

16.00

17.00

18.00

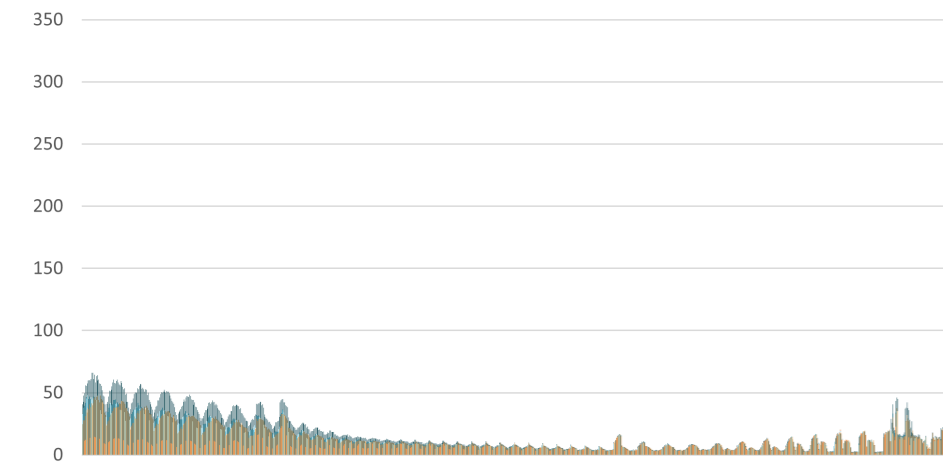


220 SCELTA CONFIGURAZIONE
21 DICEMBRE - PT

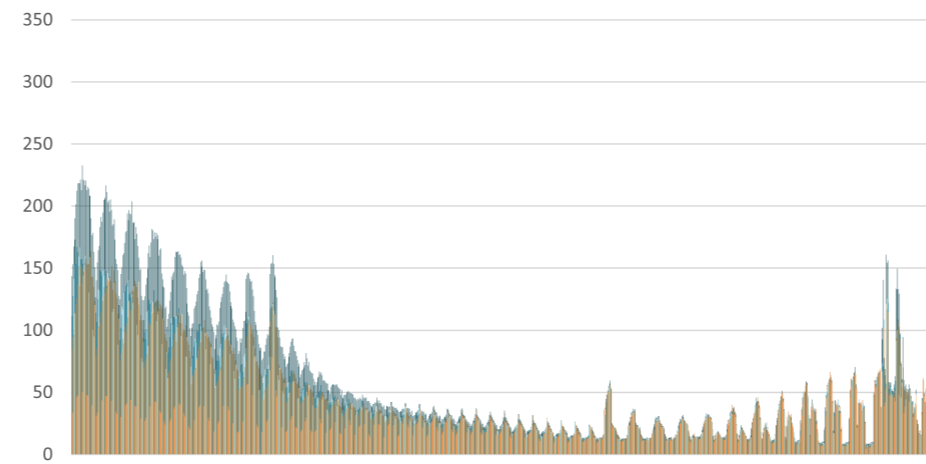


Annibale Alessandra
Chiesa Emily
Prelli Giulia

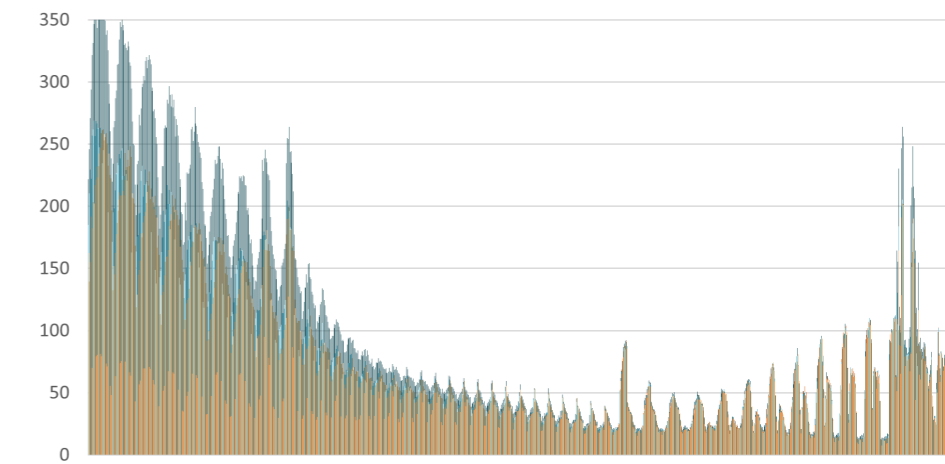
9.00



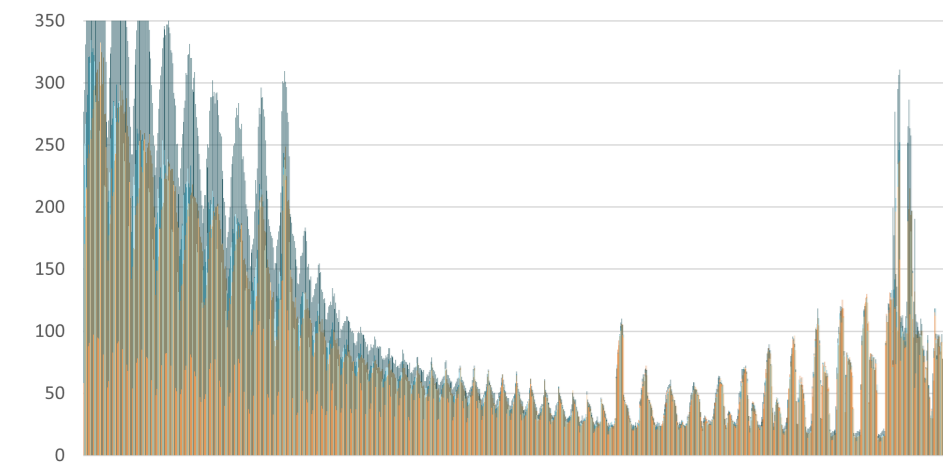
10.00



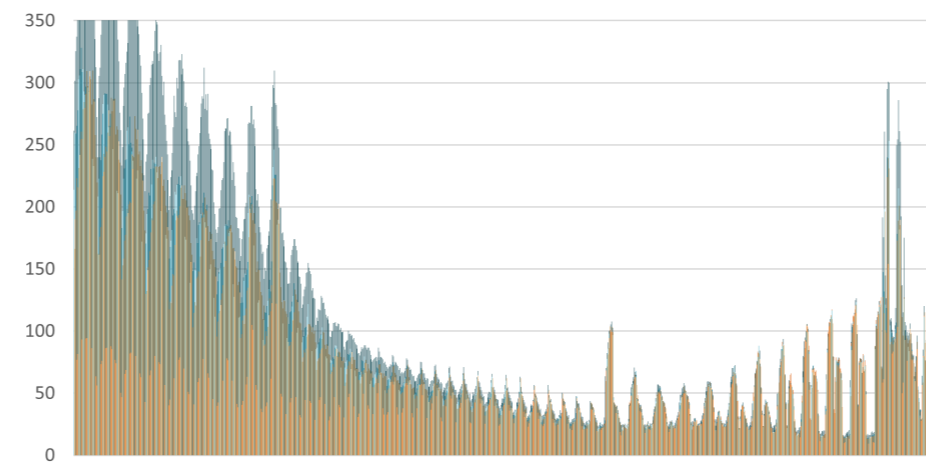
11.00



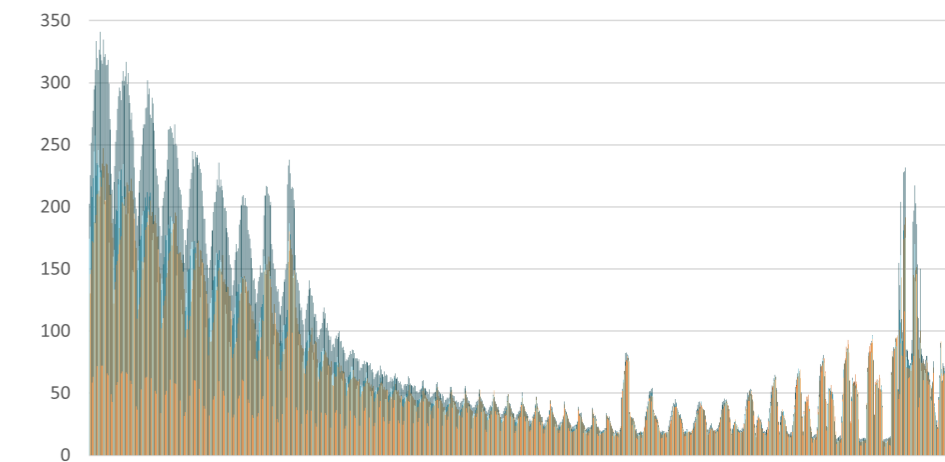
12.00



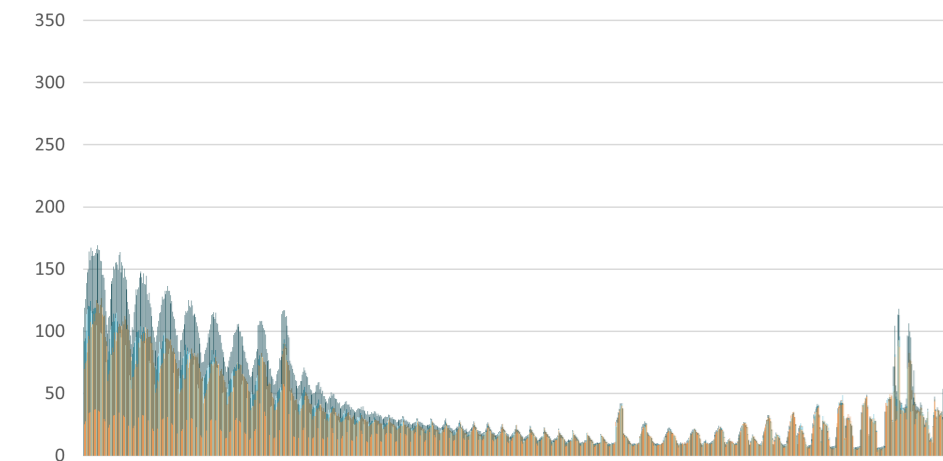
13.00



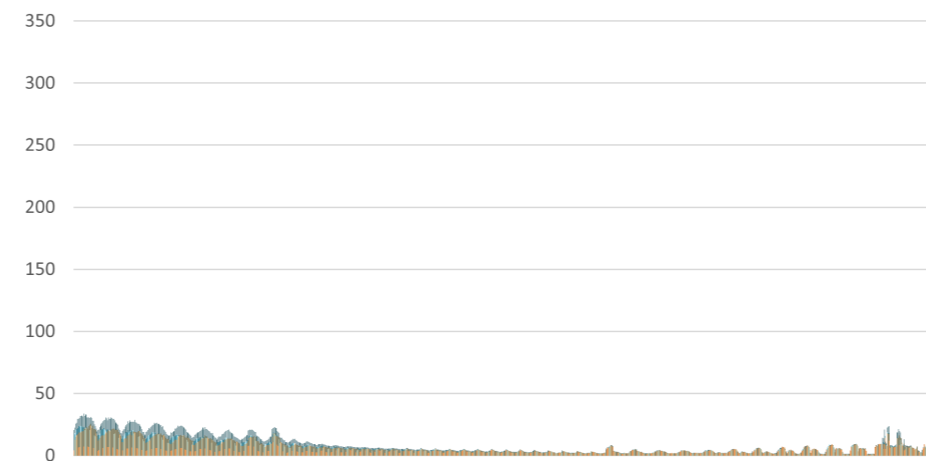
14.00



15.00



16.00



LEGENDA

- CP1
- CP2
- CP3
- CP4

221 CONFRONTO RISULTATI
21 DICEMBRE - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

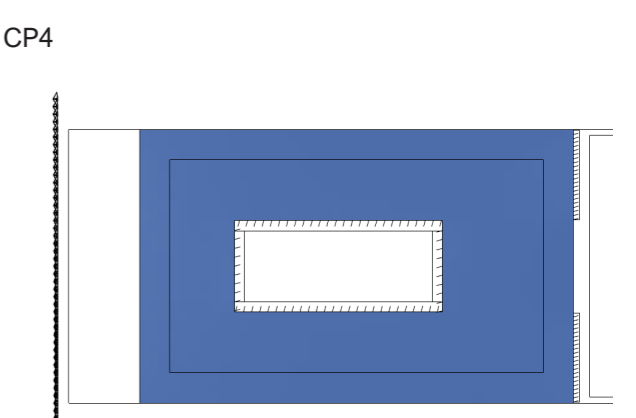
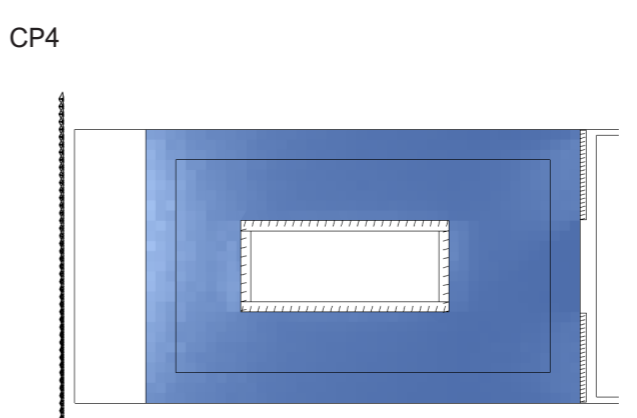
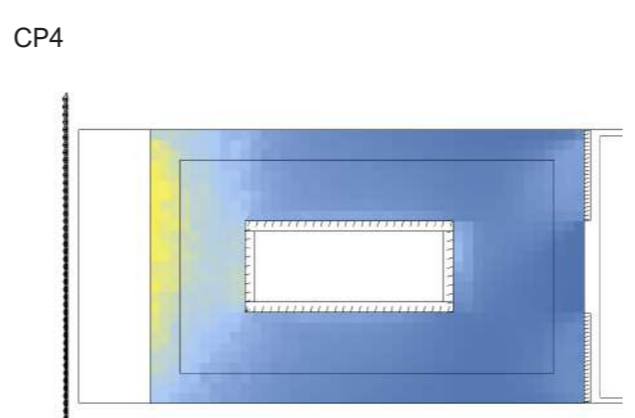
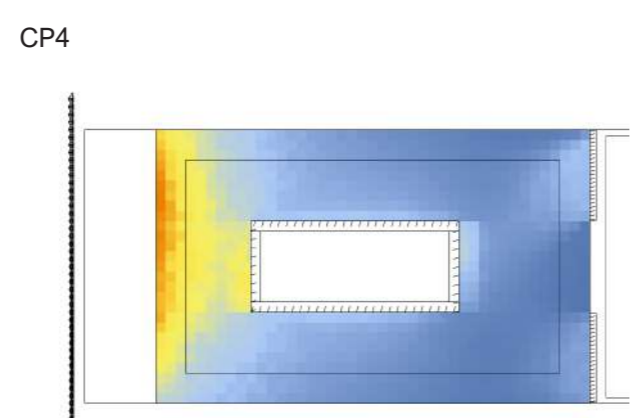
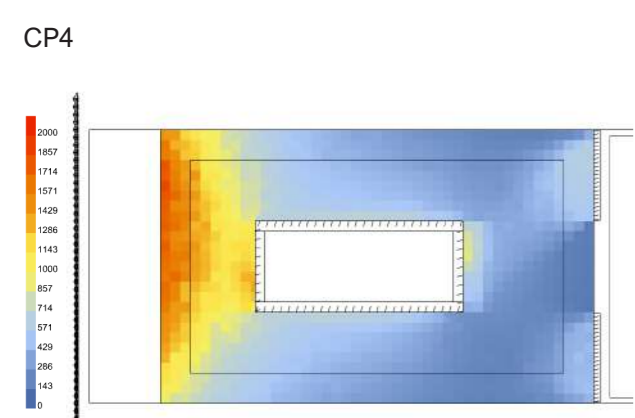
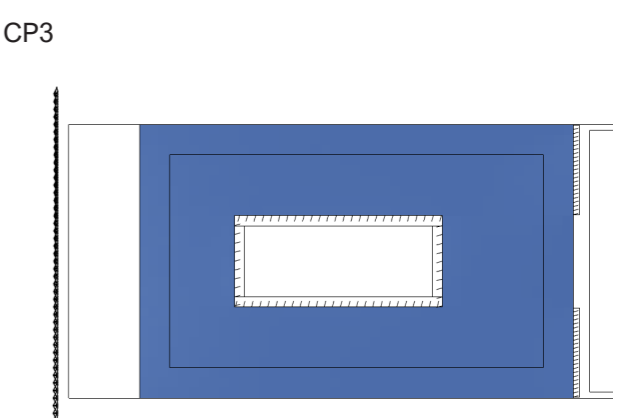
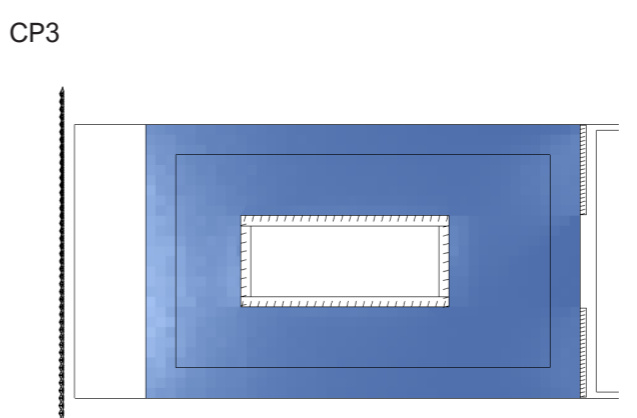
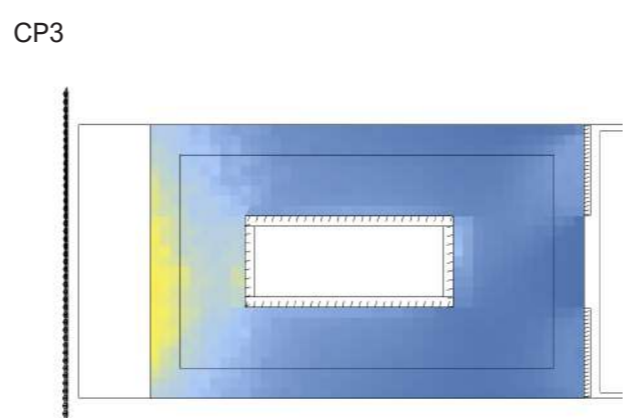
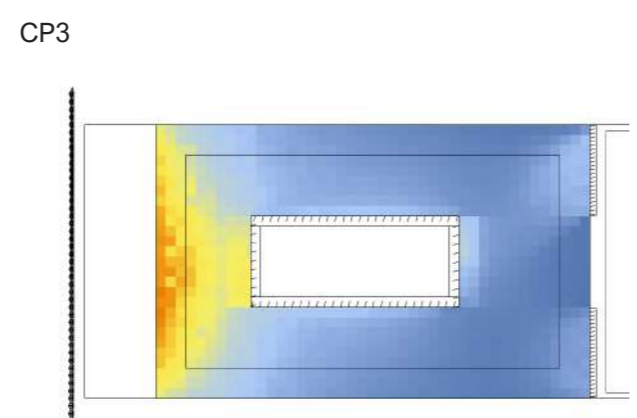
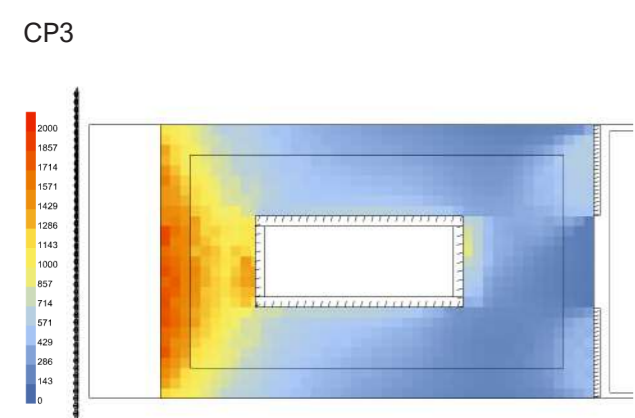
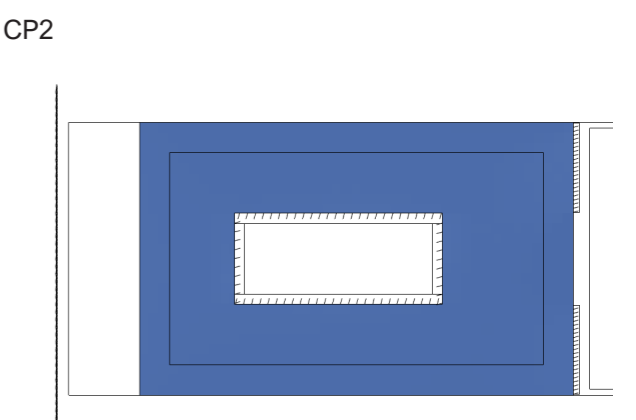
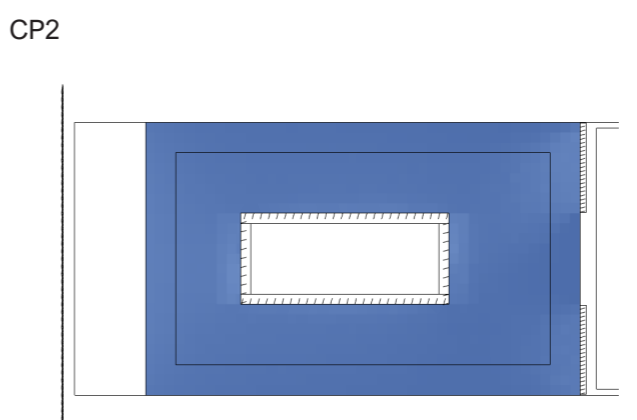
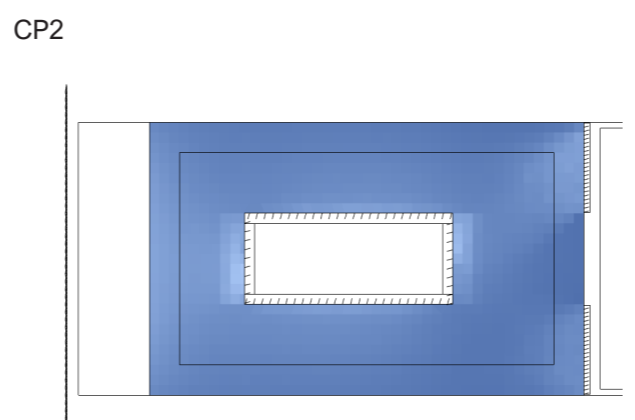
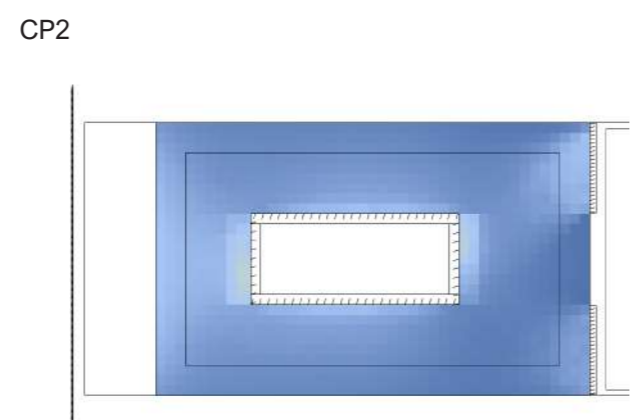
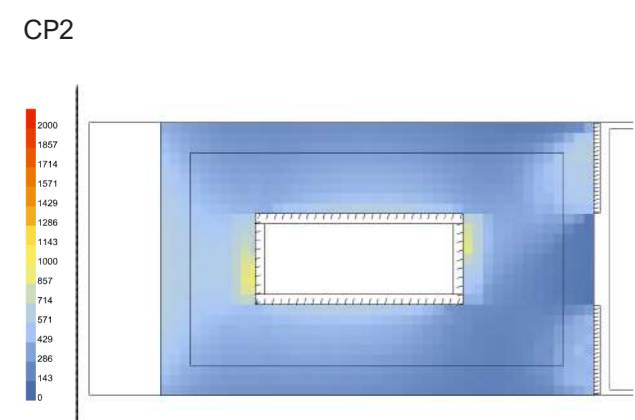
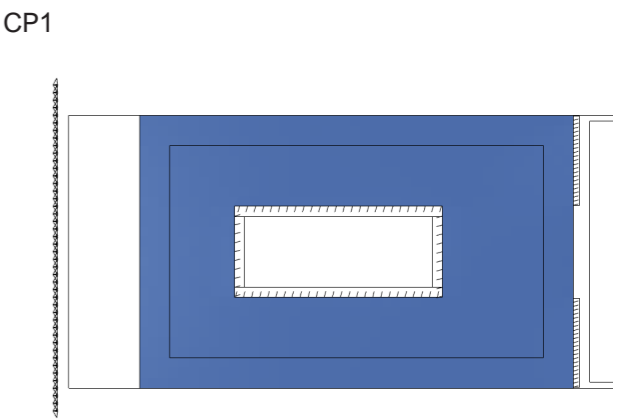
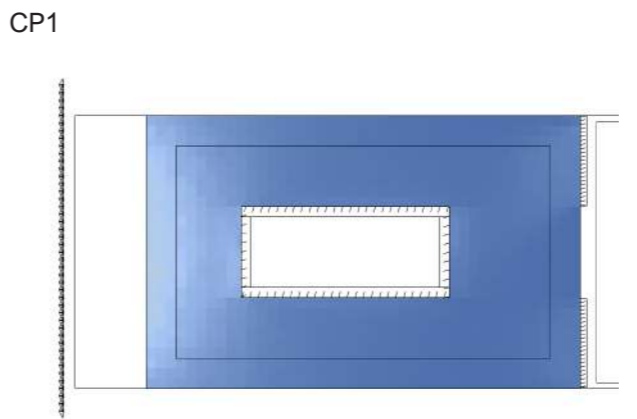
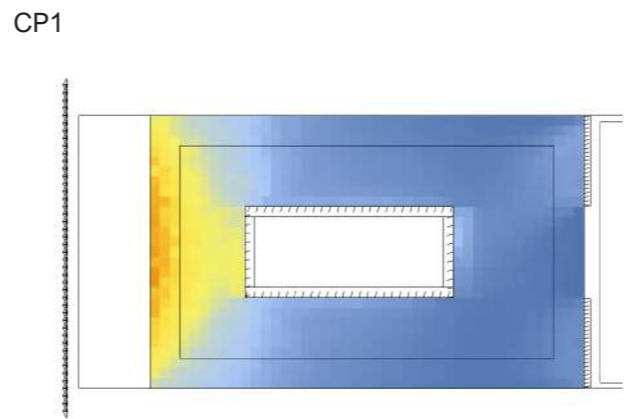
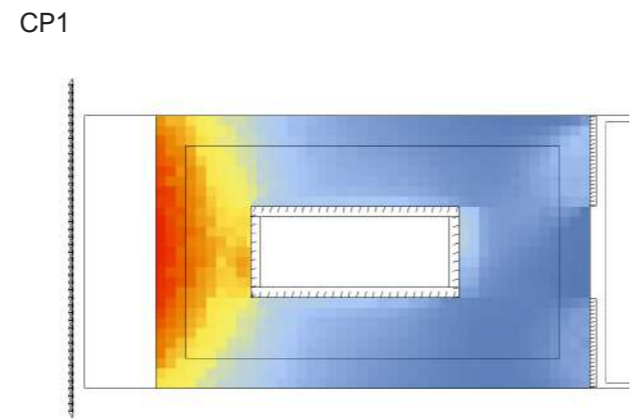
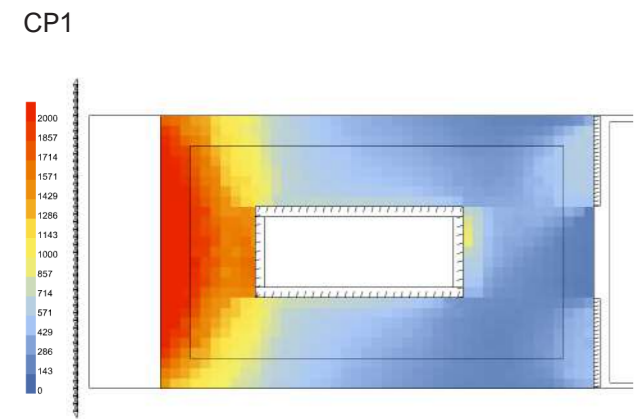
14.00

15.00

16.00

17.00

18.00



223 SCELTA CONFIGURAZIONE
21 MARZO - PT

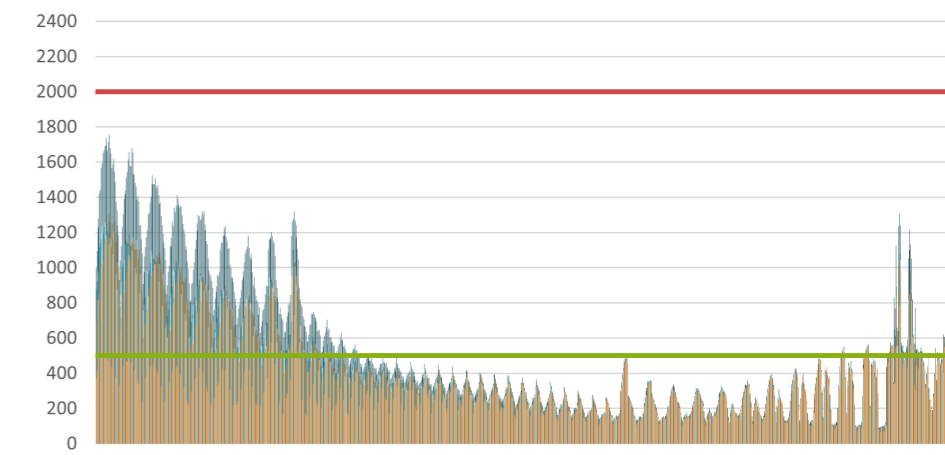
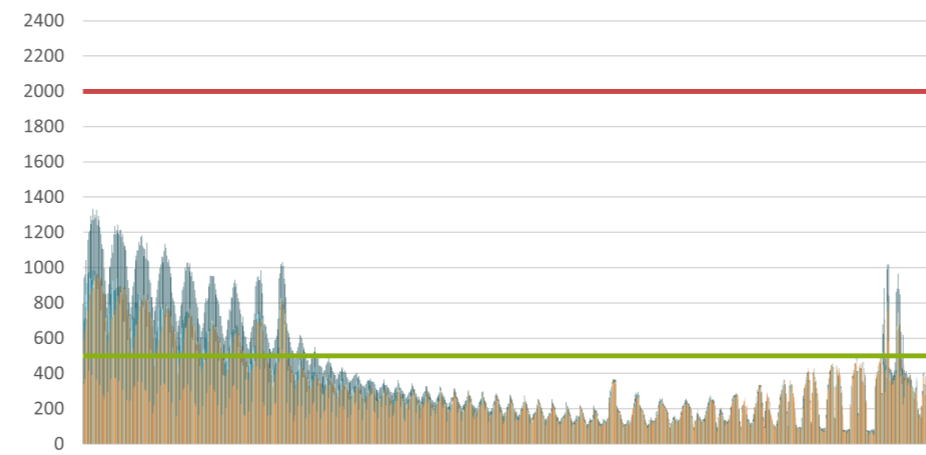
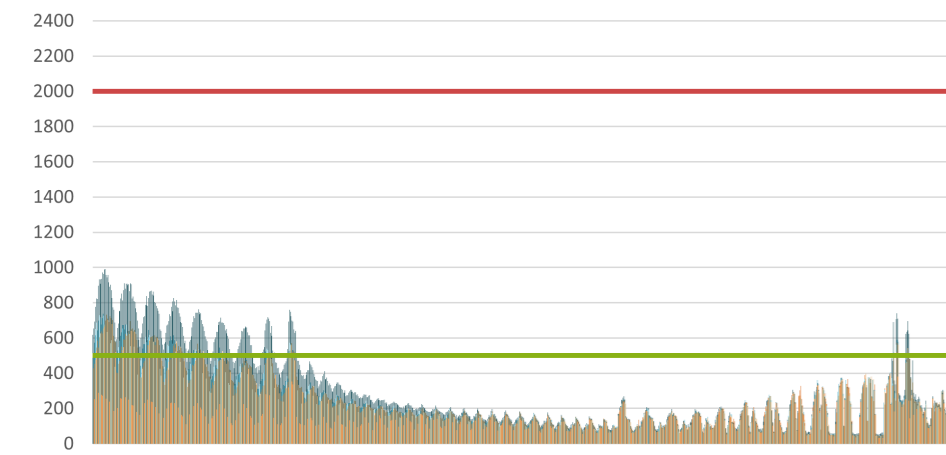


Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

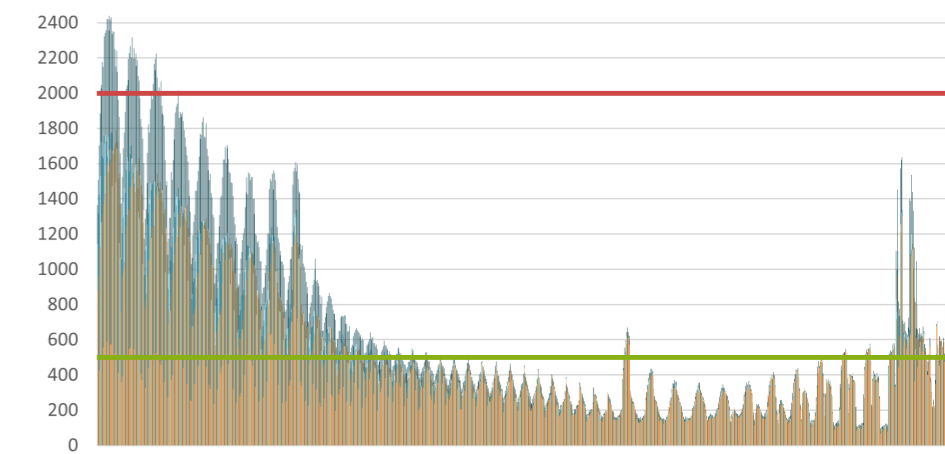
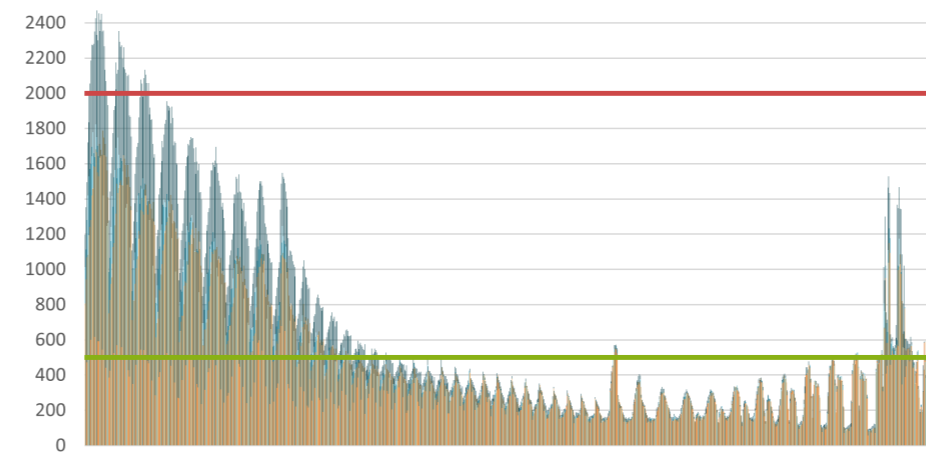
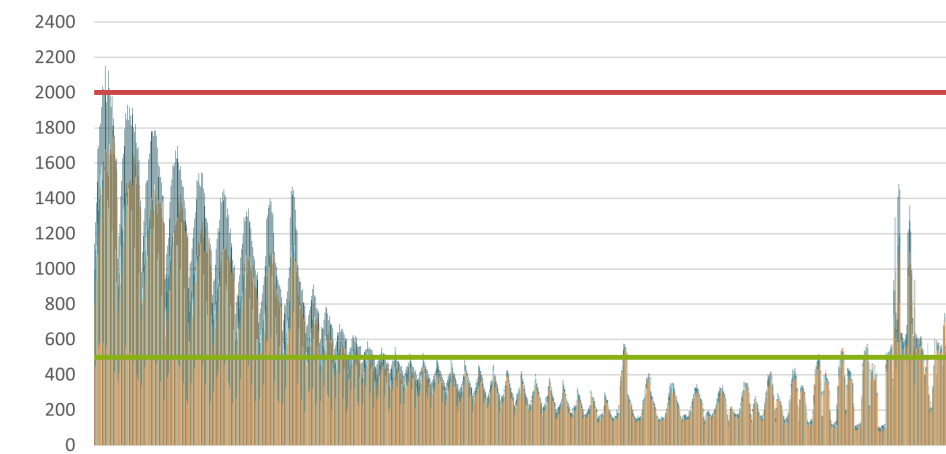
11.00



12.00

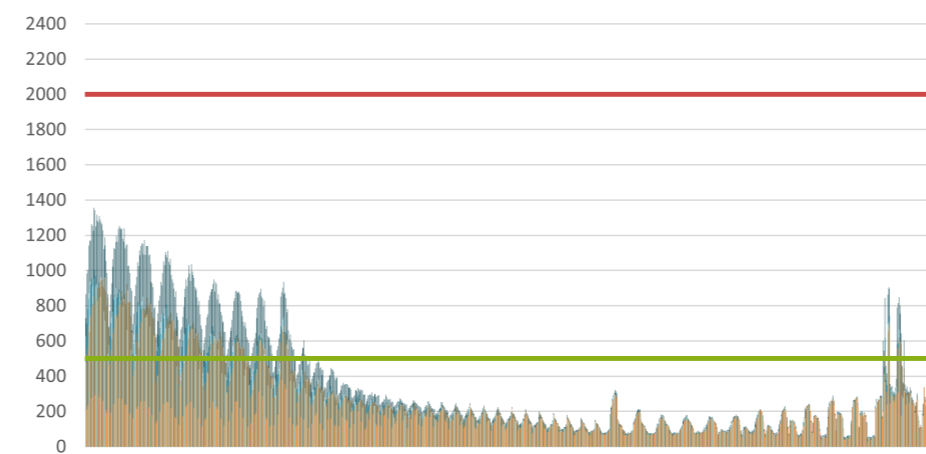
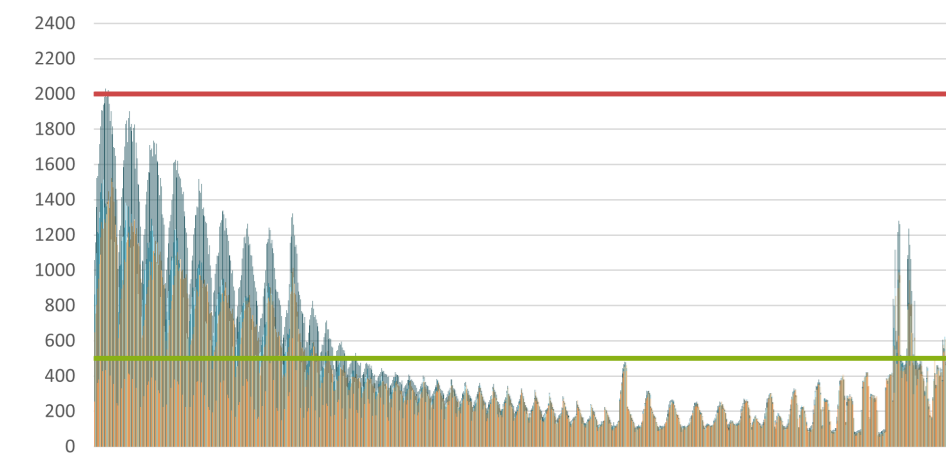
13.00

14.00



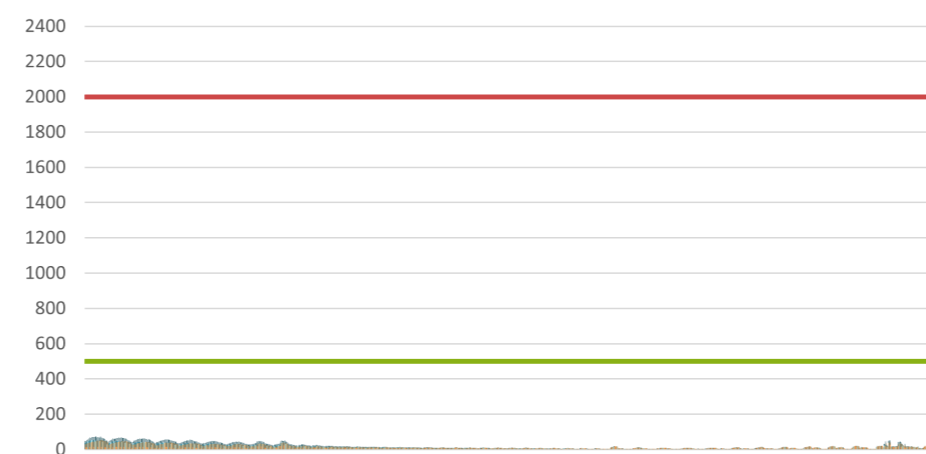
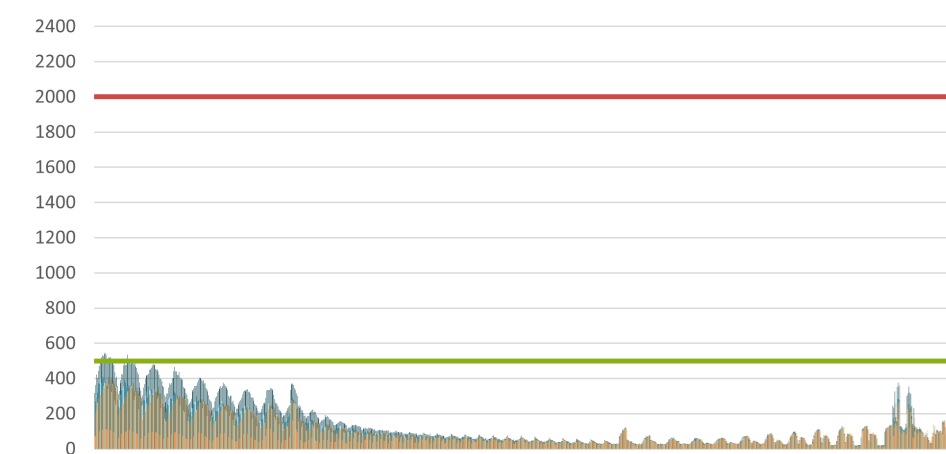
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

224 CONFRONTO RISULTATI
21 MARZO - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

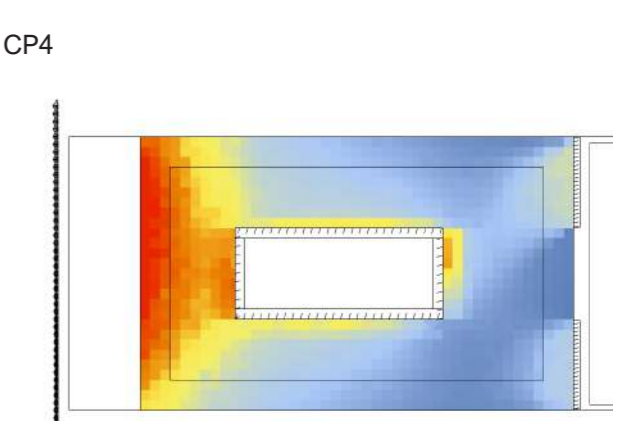
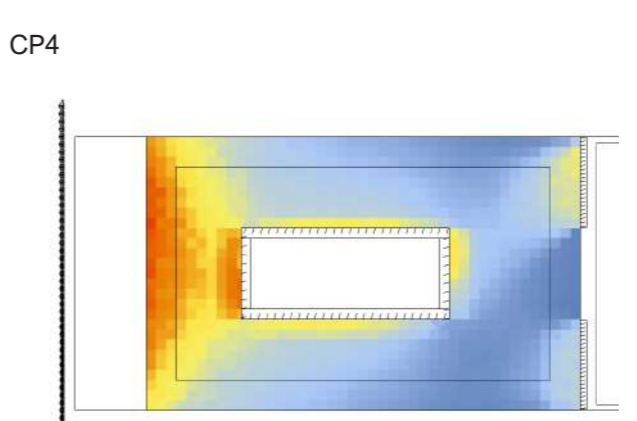
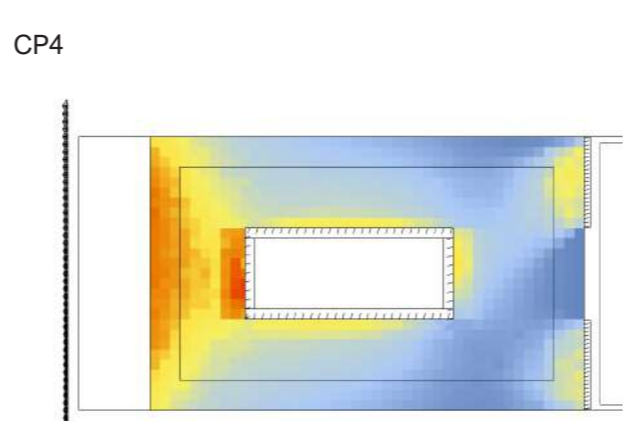
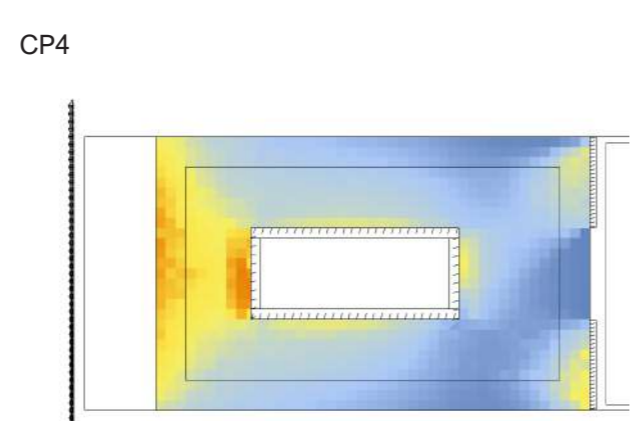
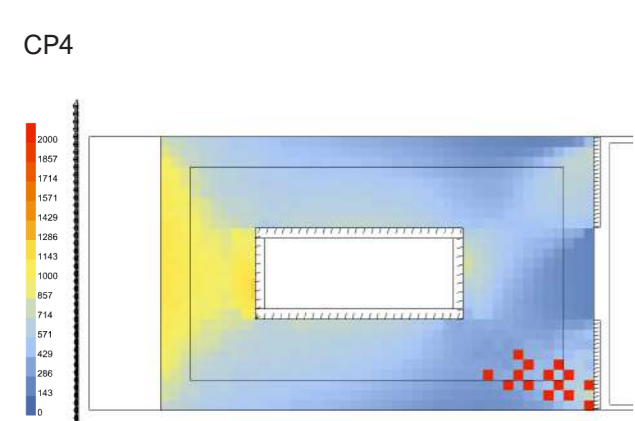
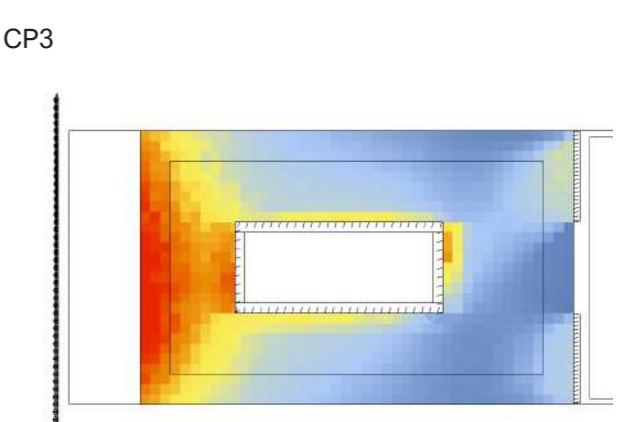
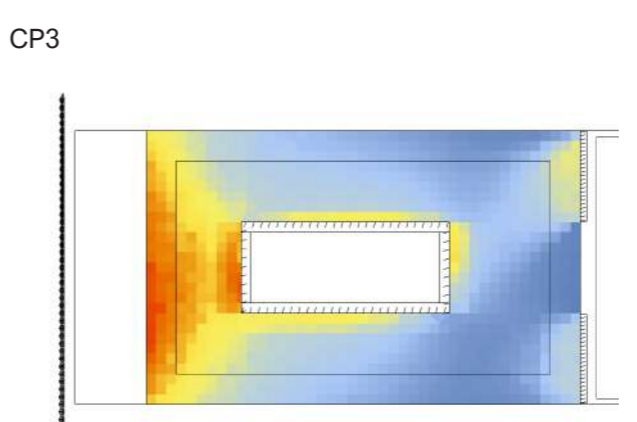
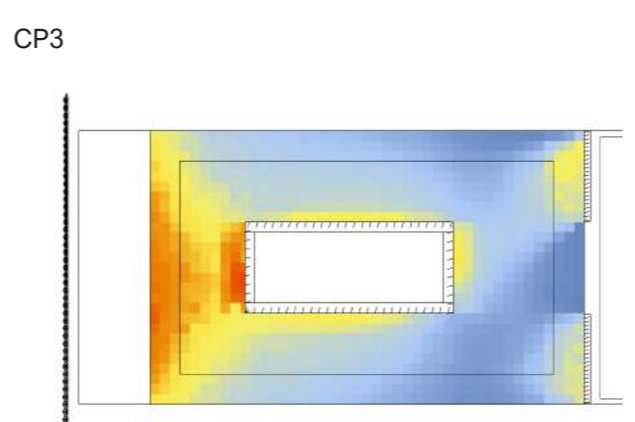
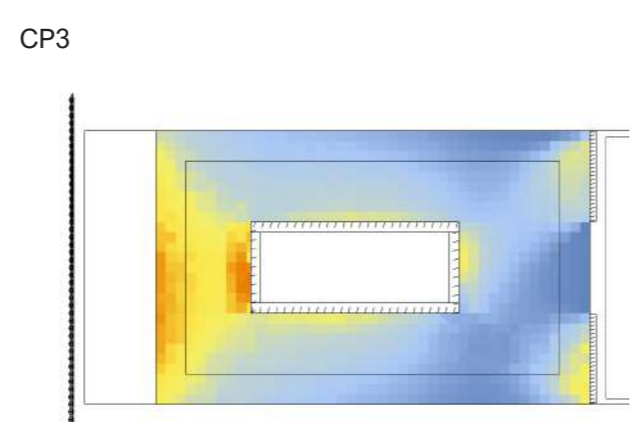
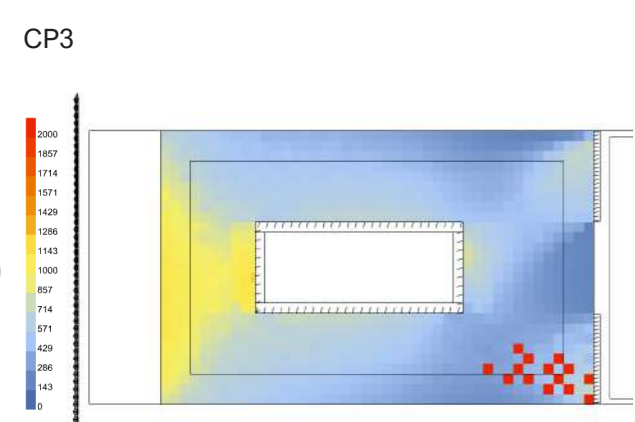
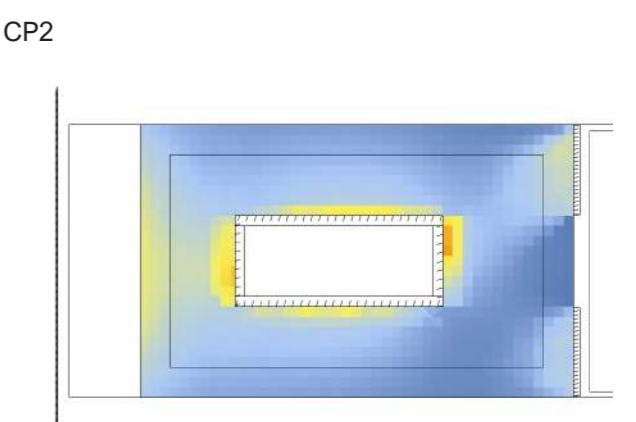
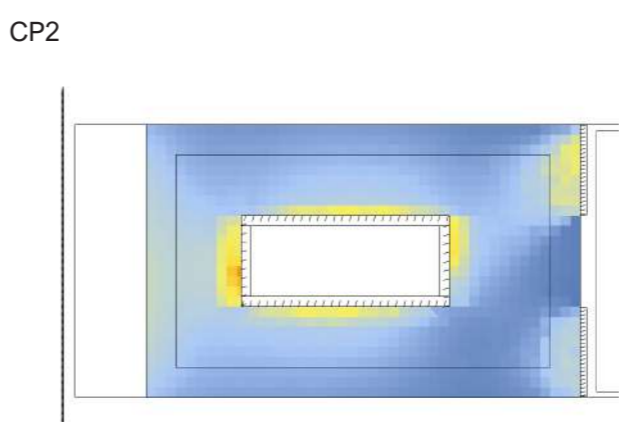
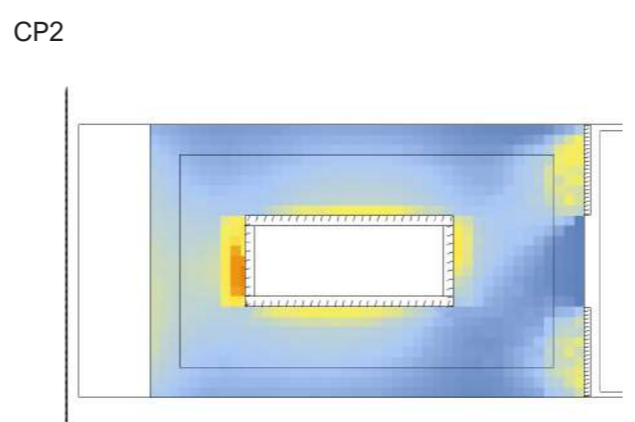
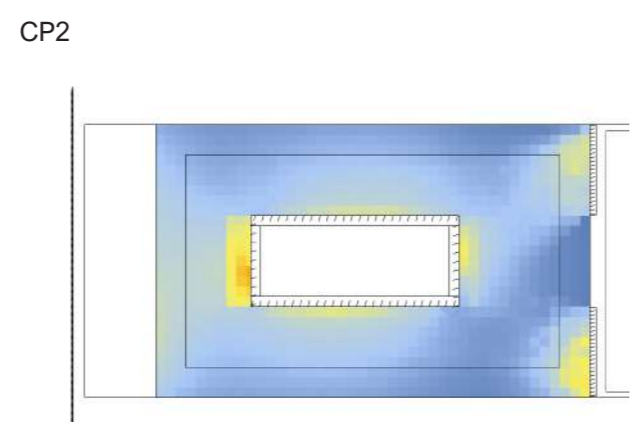
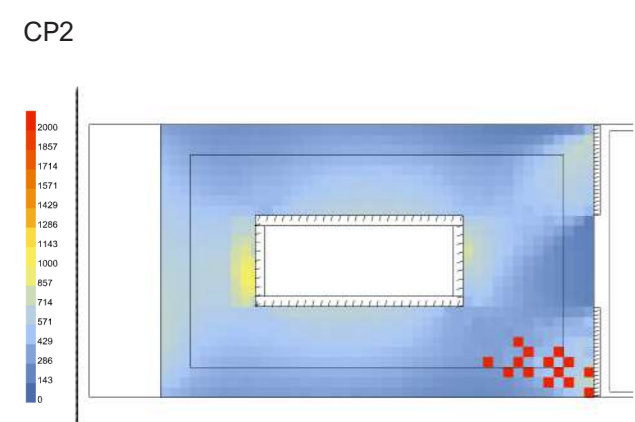
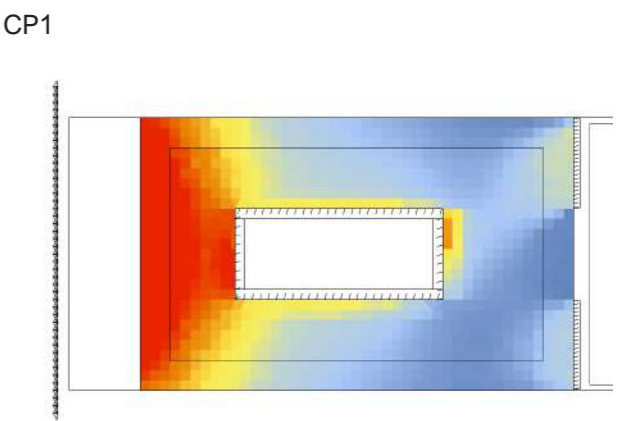
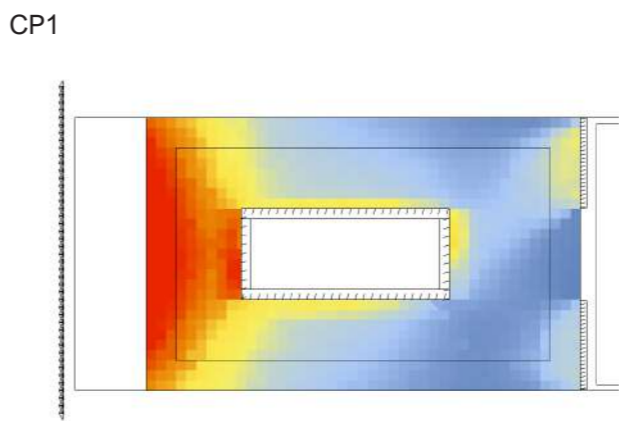
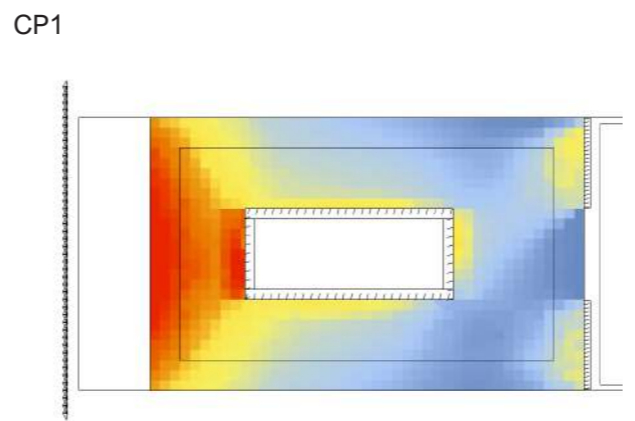
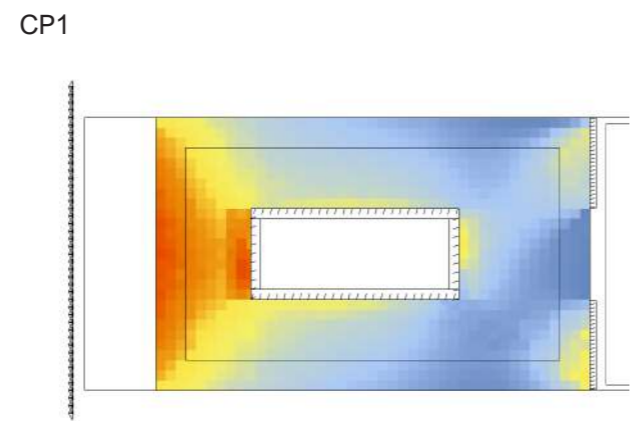
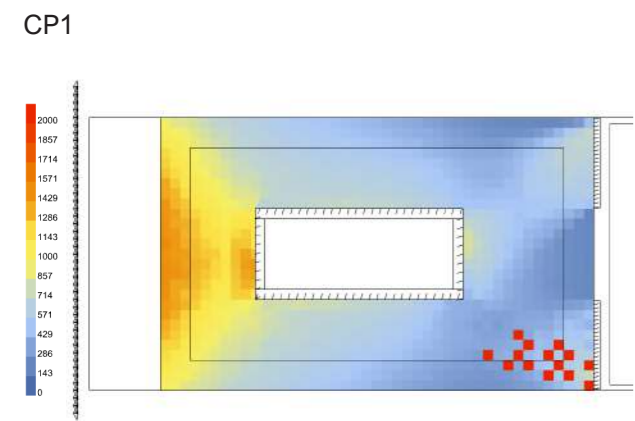
9.00

10.00

11.00

12.00

13.00



225 SCELTA CONFIGURAZIONE
21 GIUGNO - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

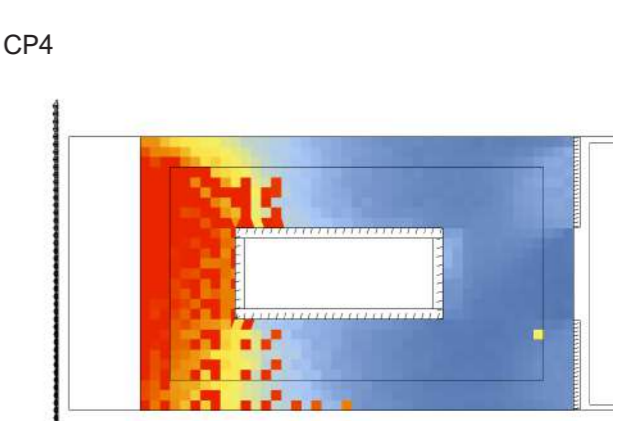
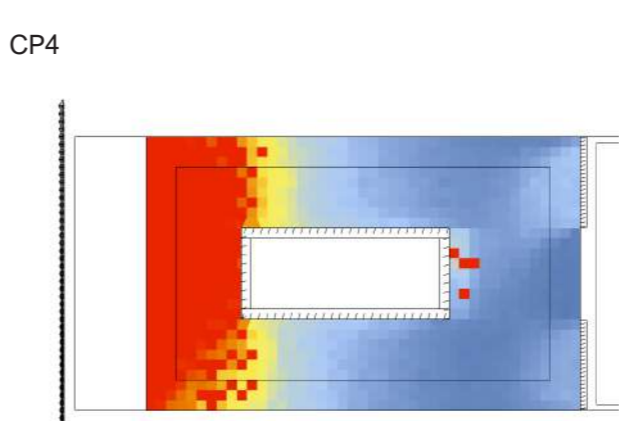
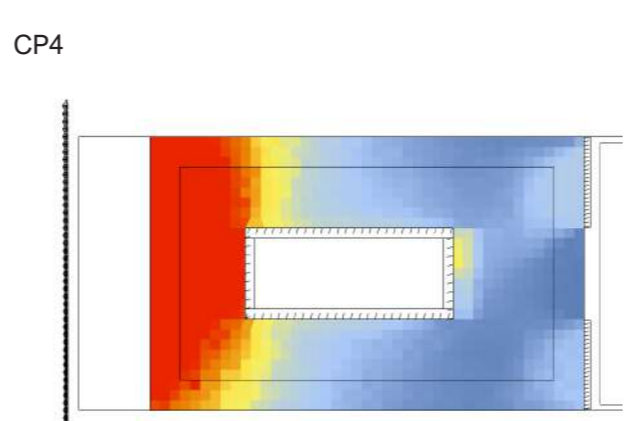
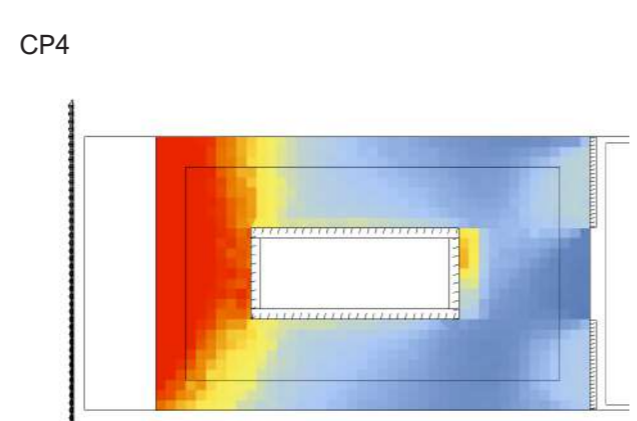
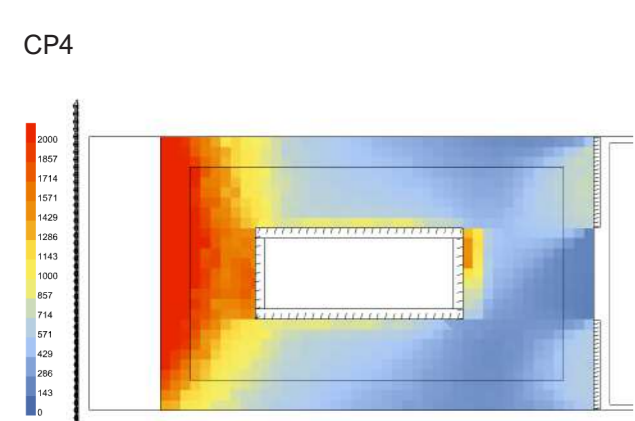
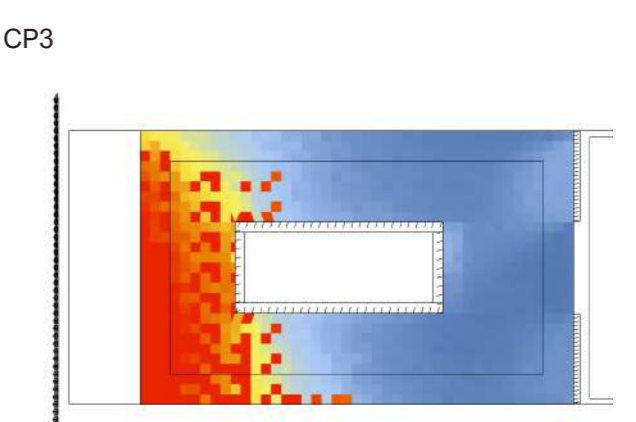
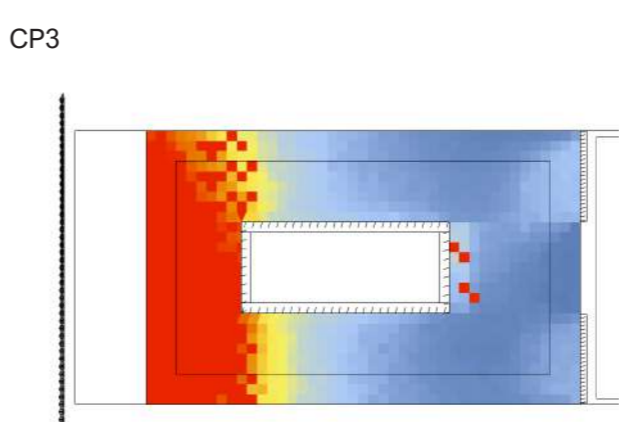
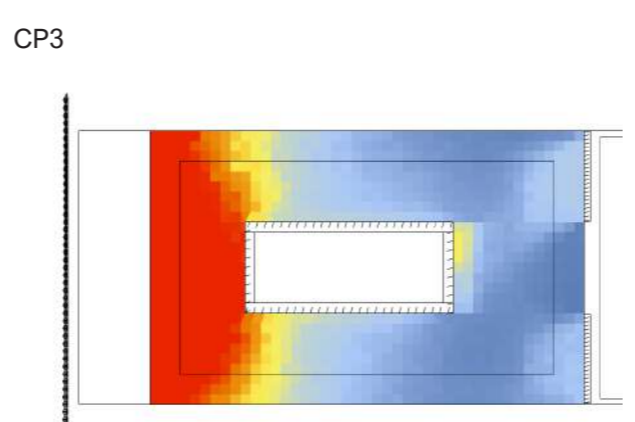
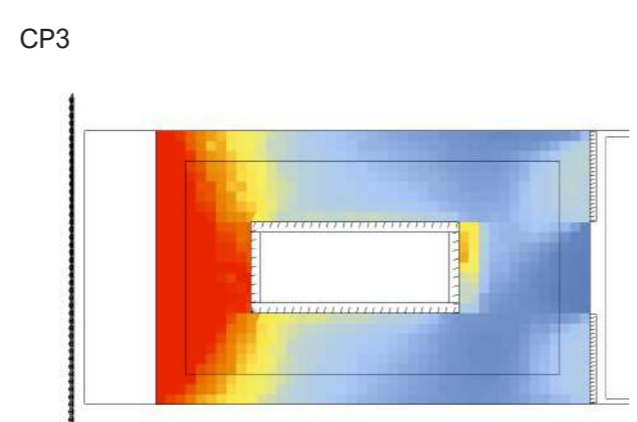
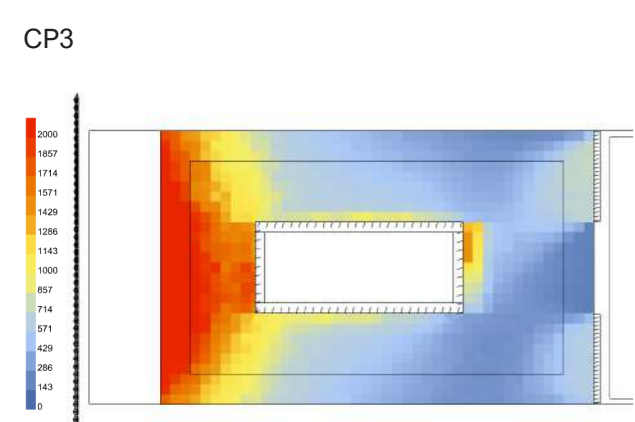
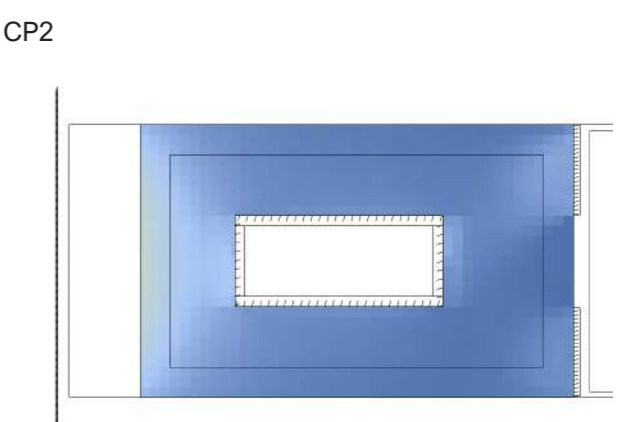
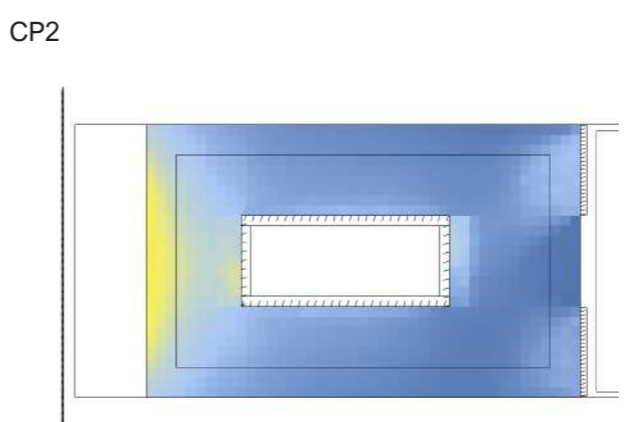
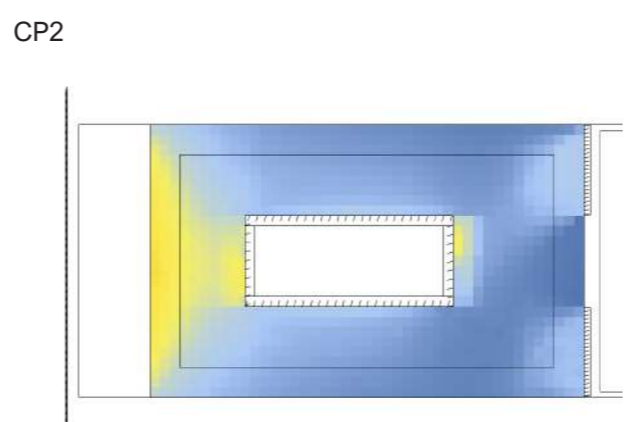
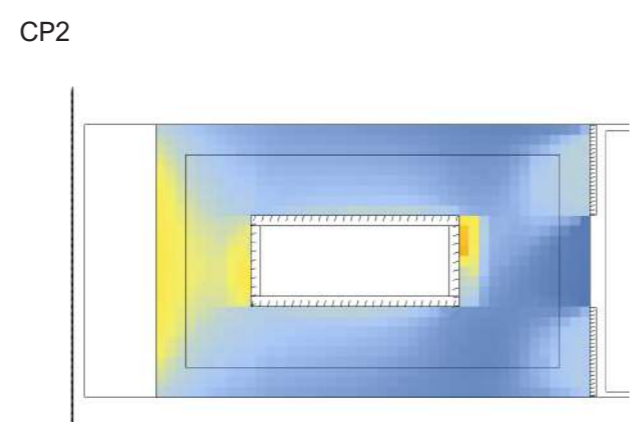
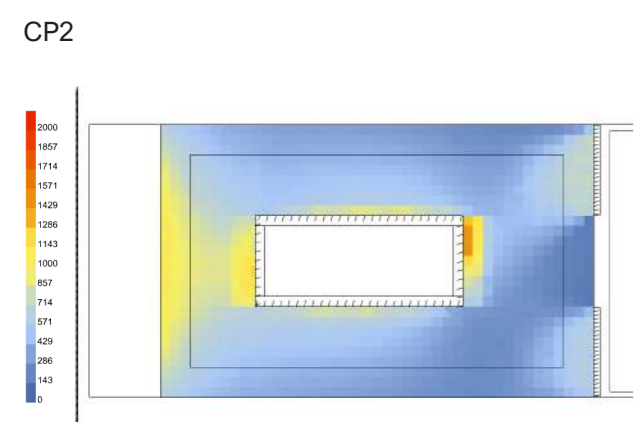
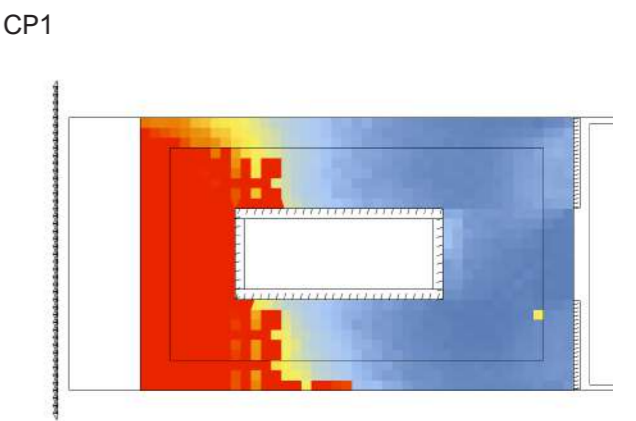
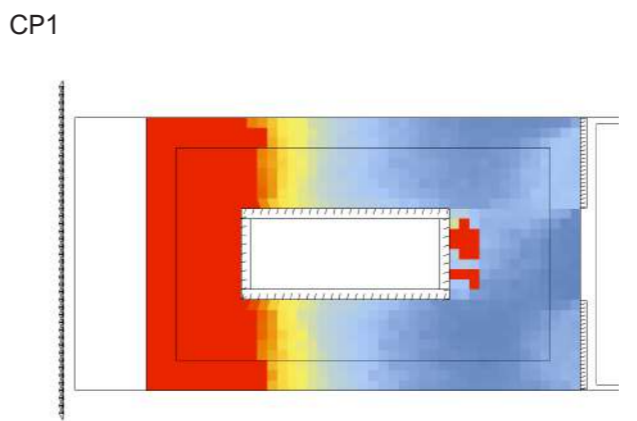
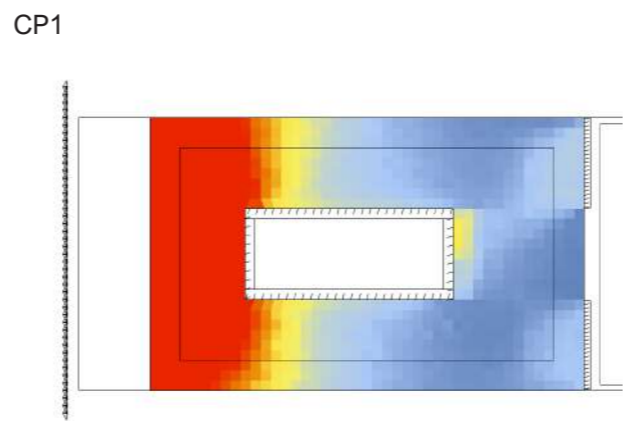
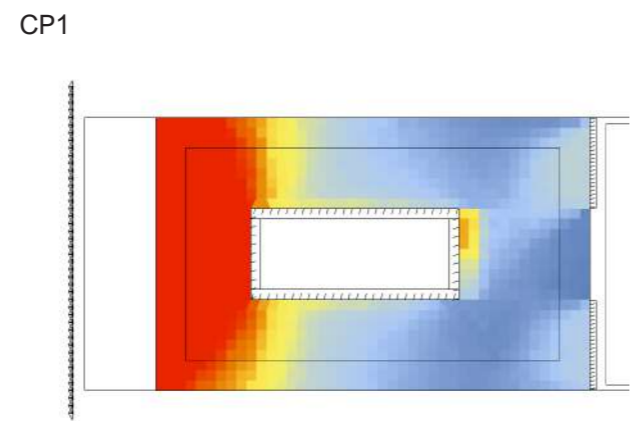
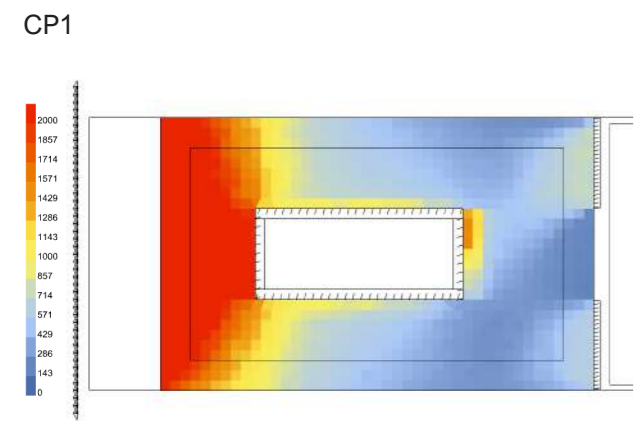
14.00

15.00

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17.00

18.00

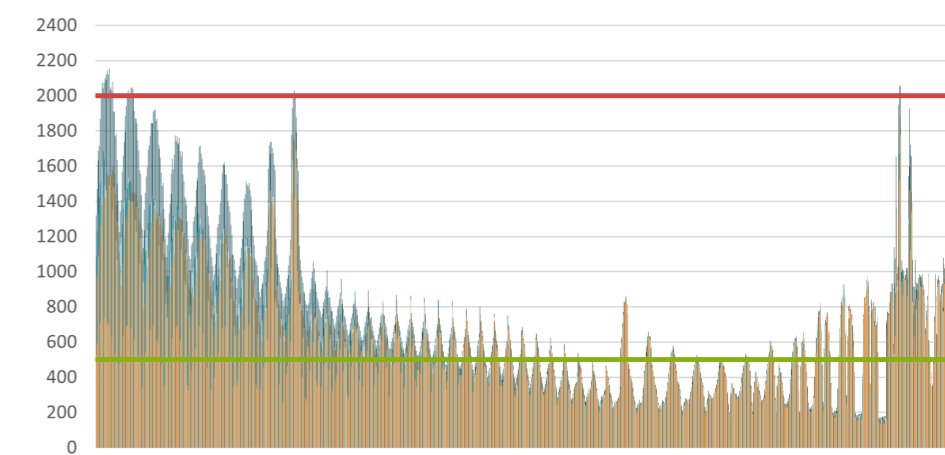
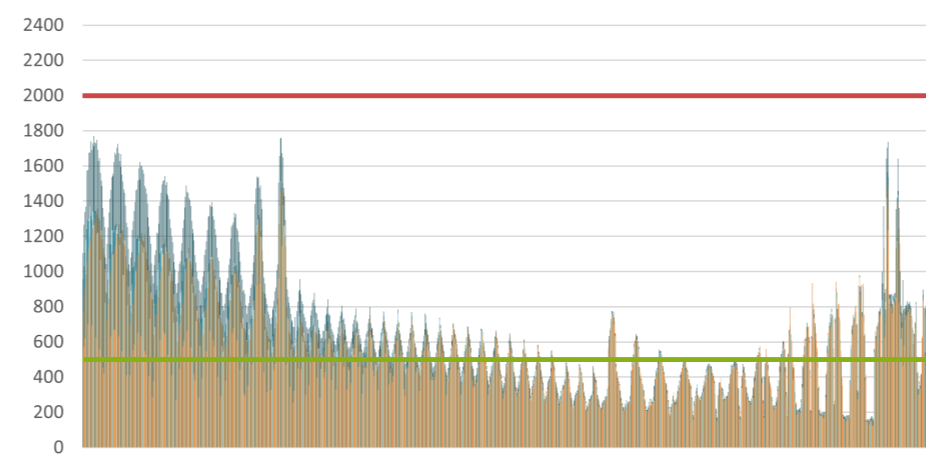
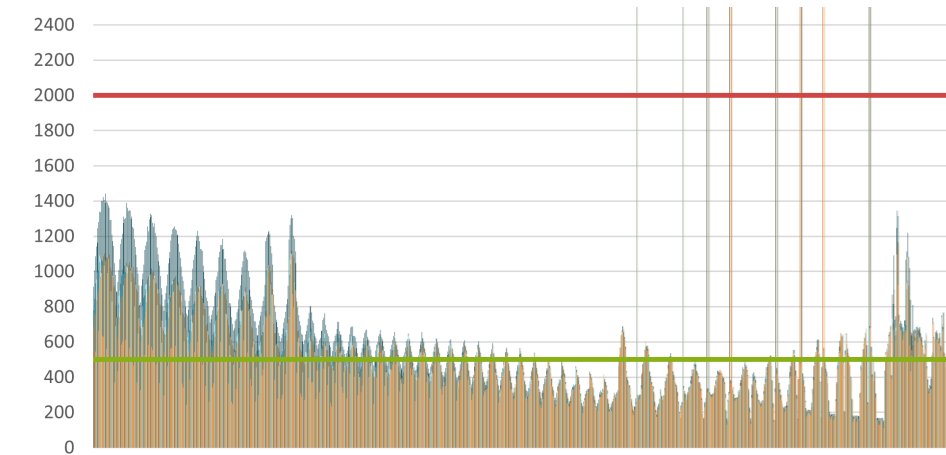


Illuminamento [lux]

9.00

10.00

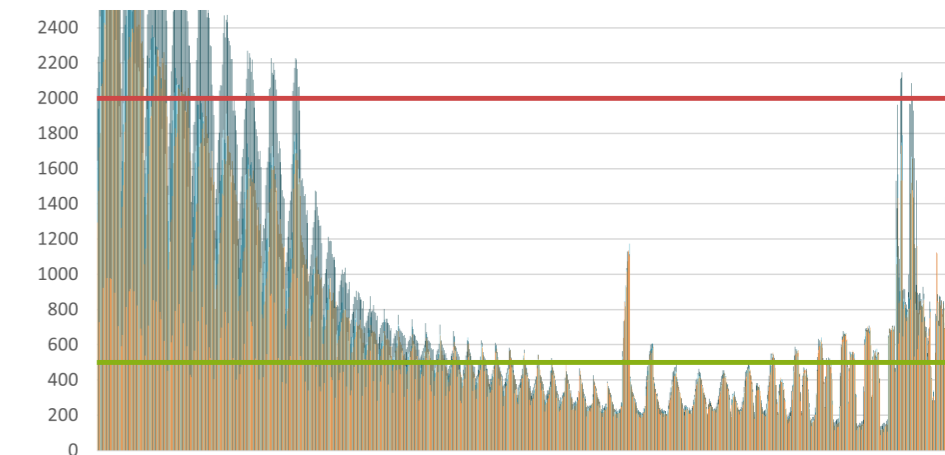
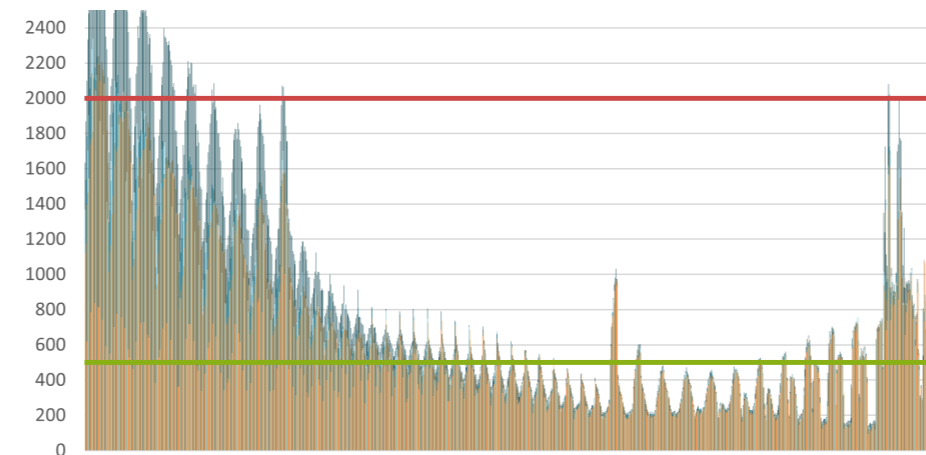
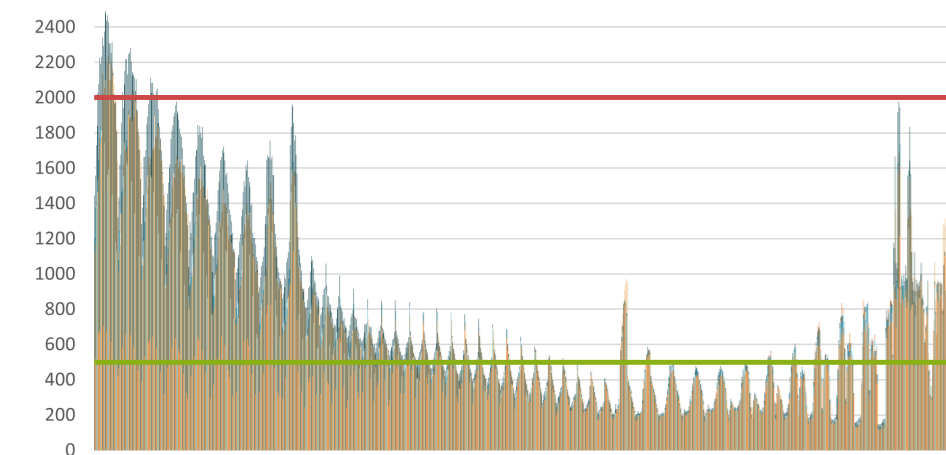
11.00



12.00

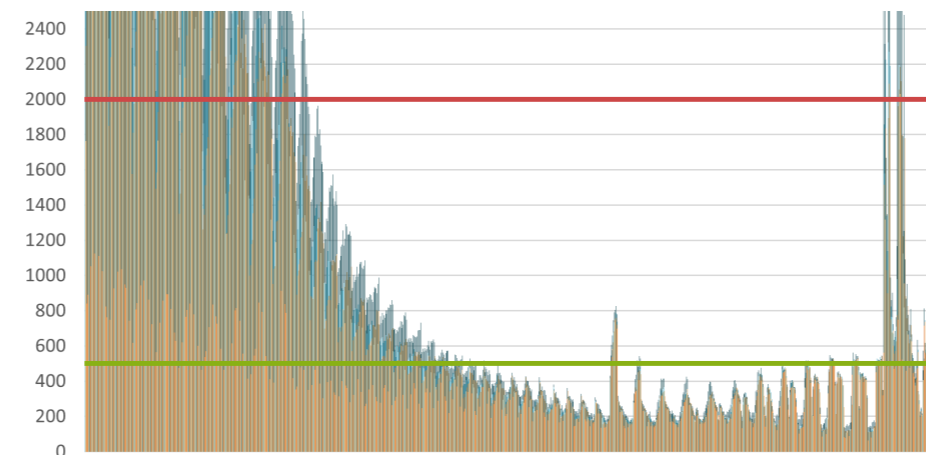
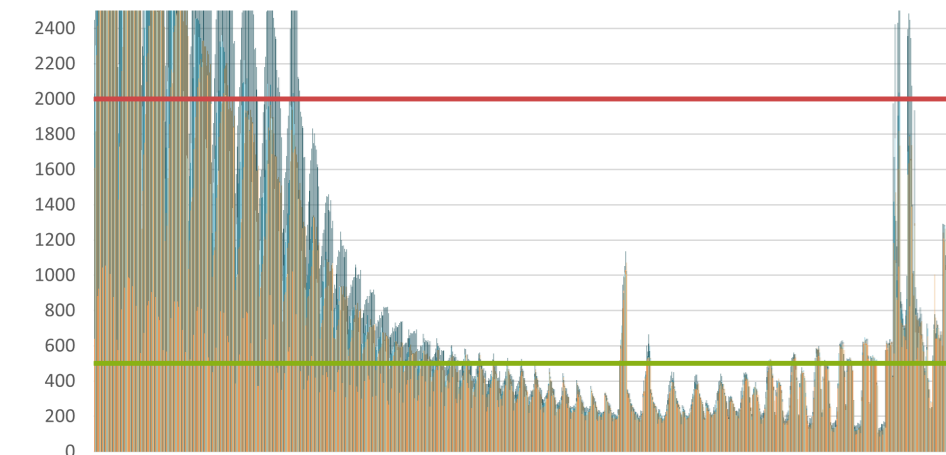
13.00

14.00



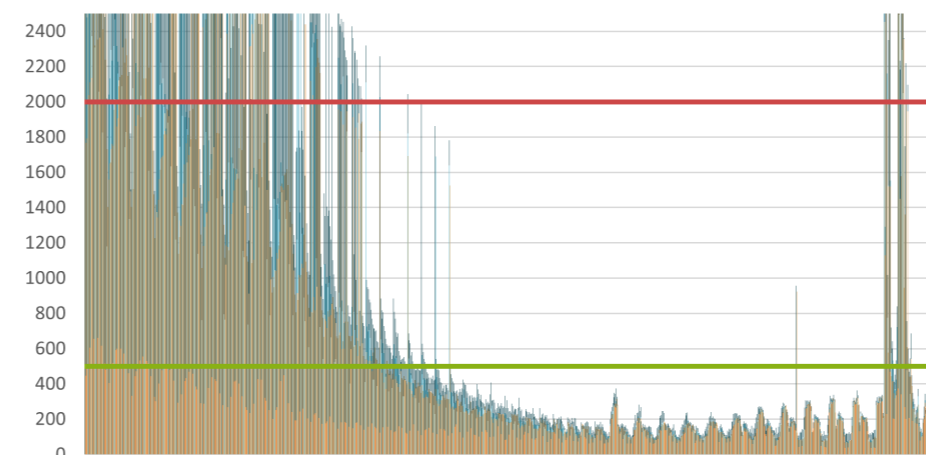
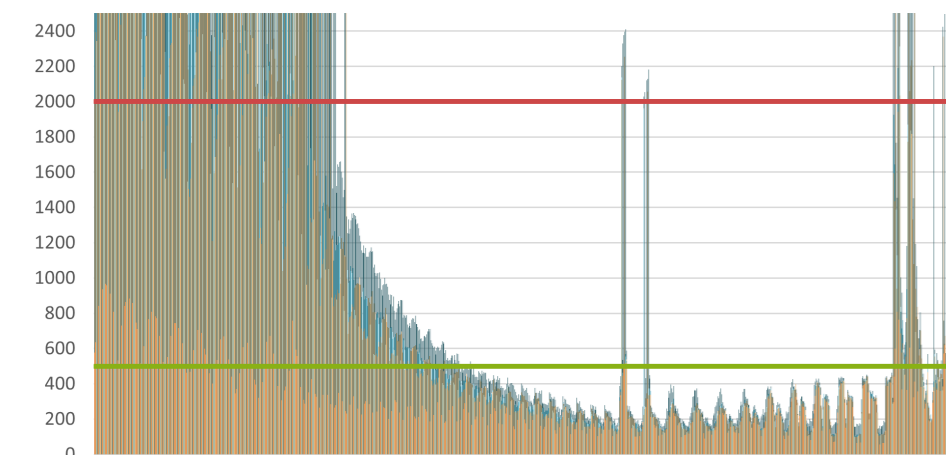
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

227 CONFRONTO RISULTATI
21 GIUGNO - PT



Annibale Alessandra
Chiesa Emily
Prelli Giulia

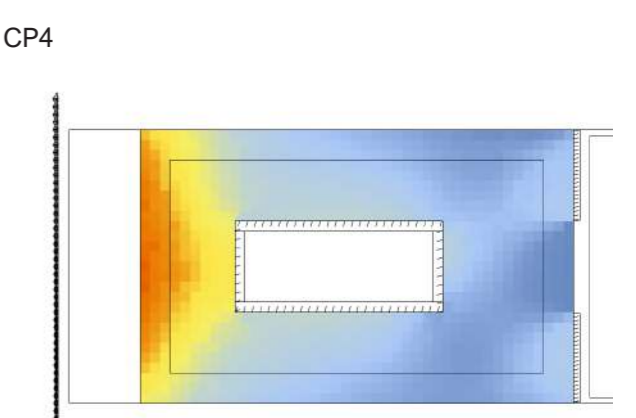
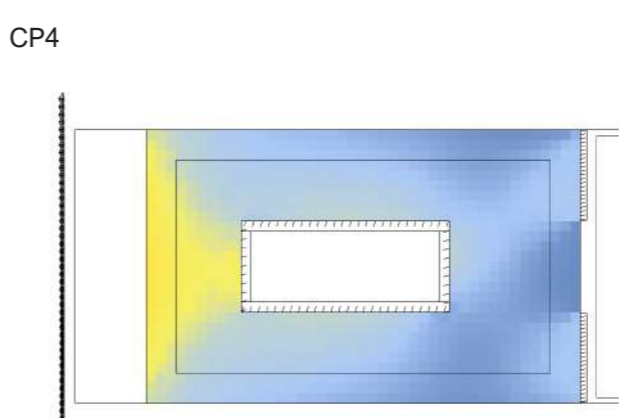
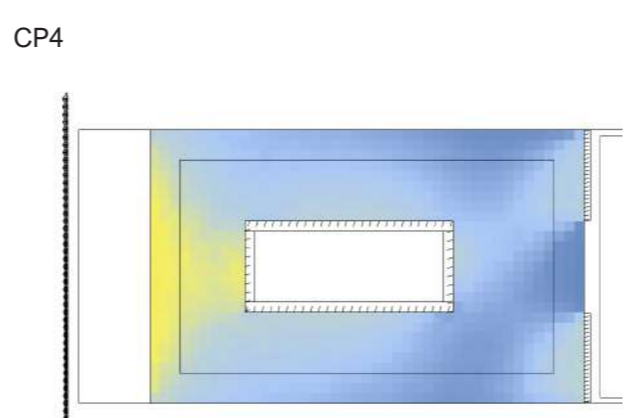
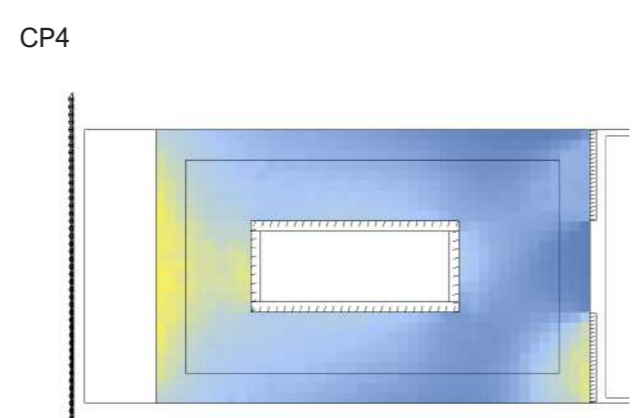
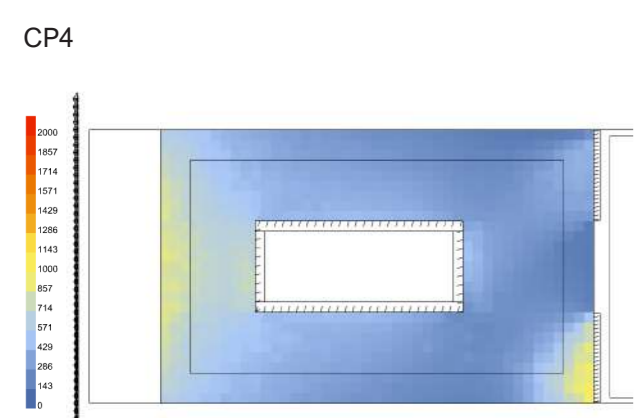
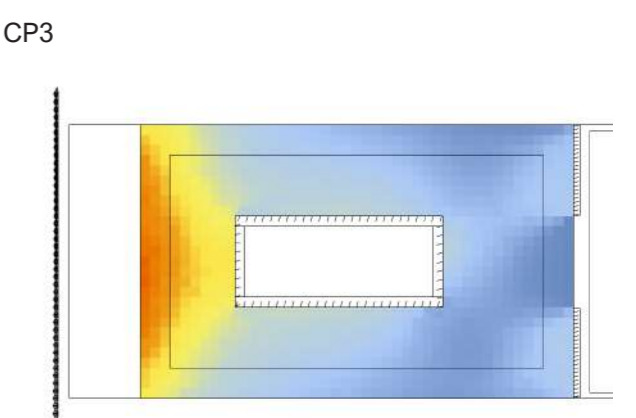
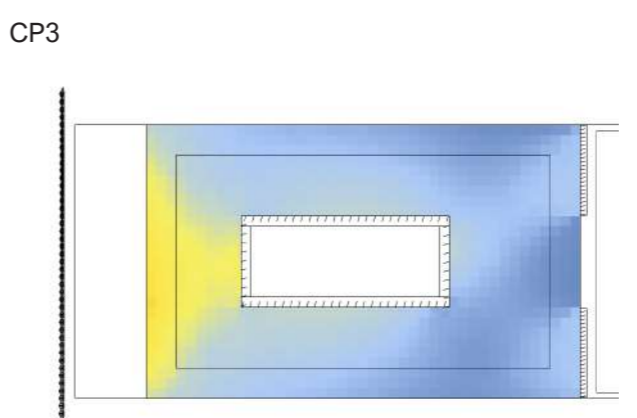
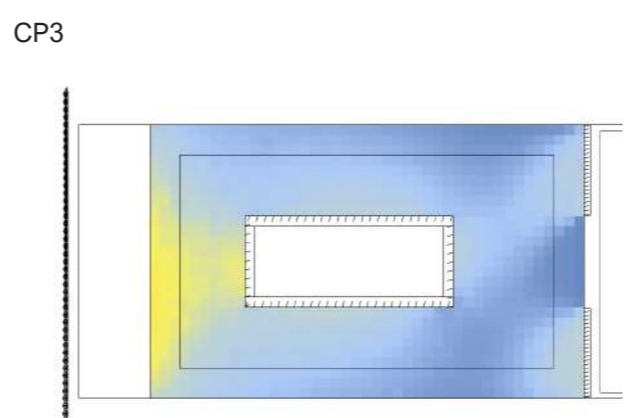
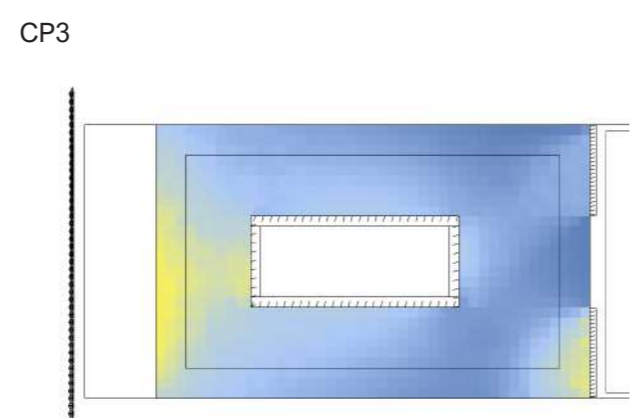
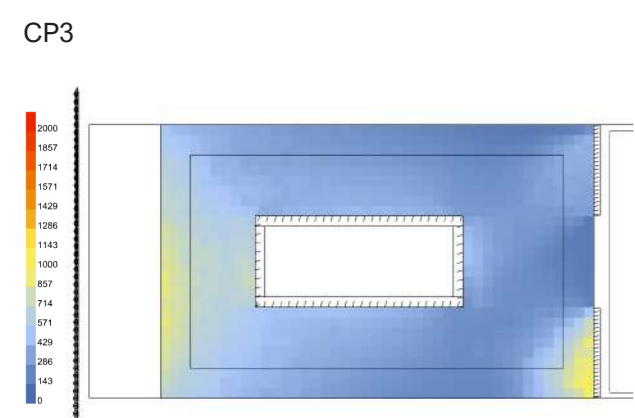
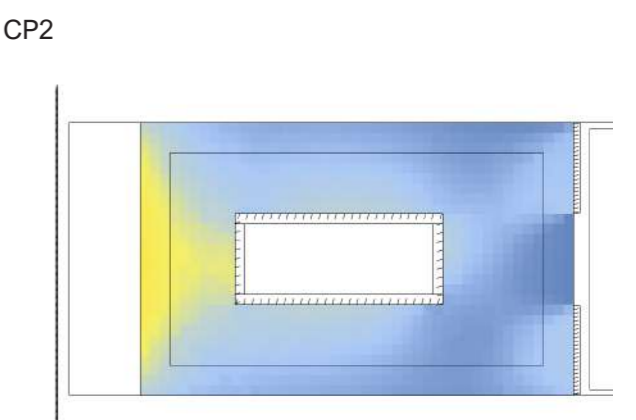
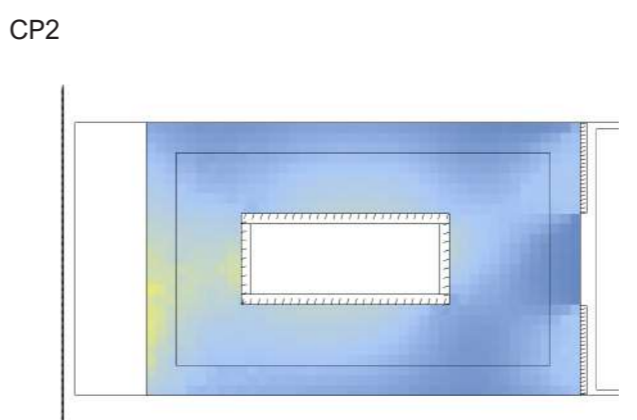
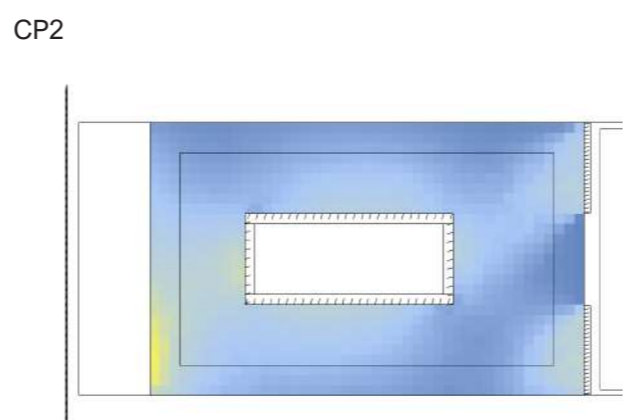
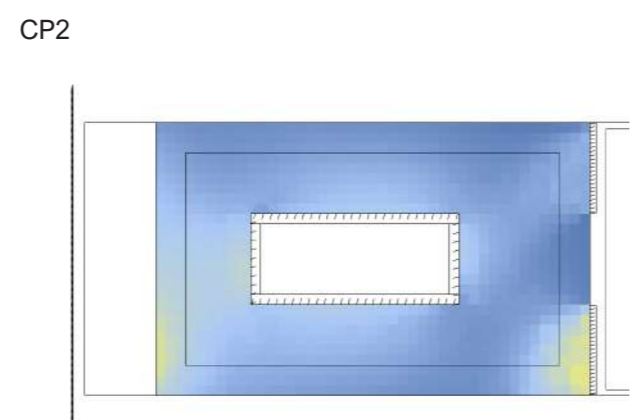
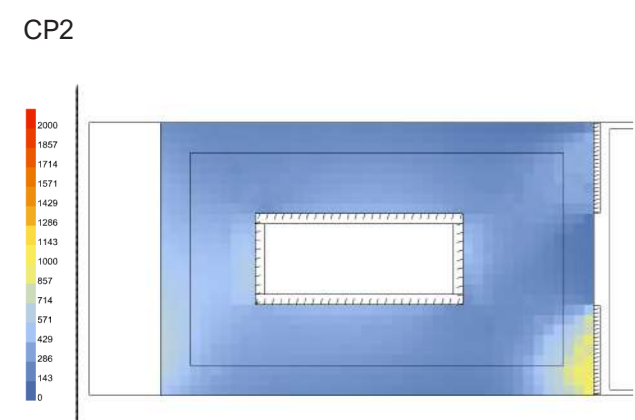
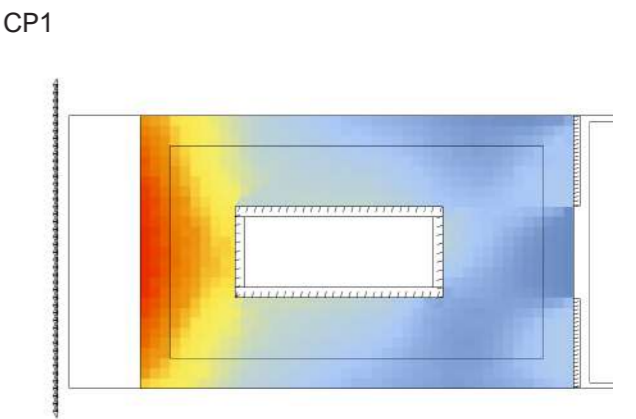
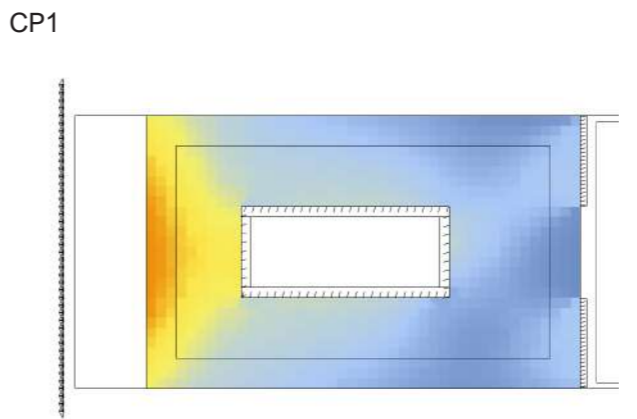
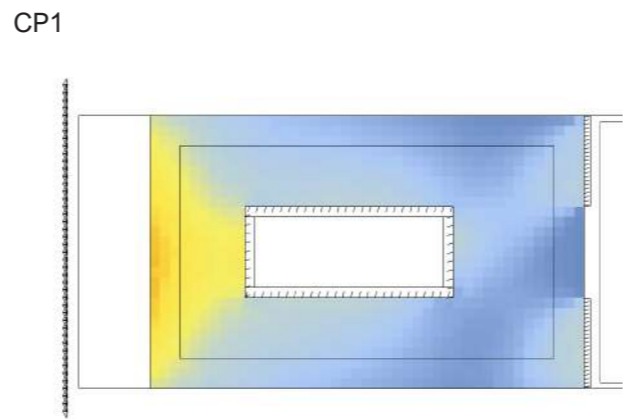
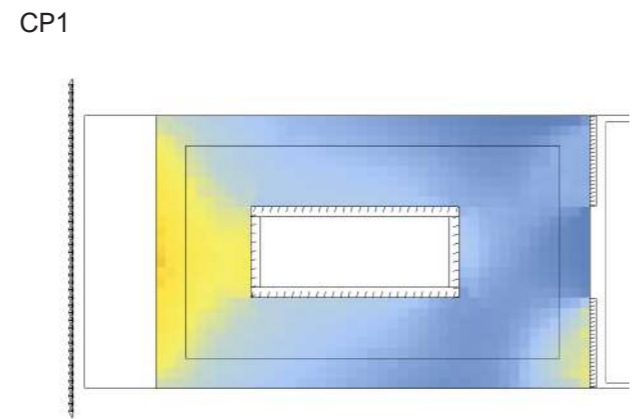
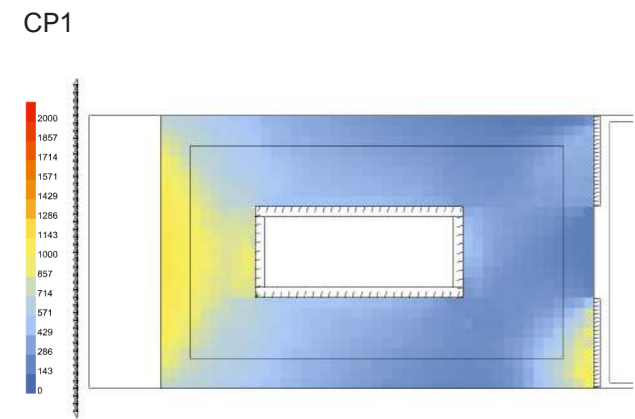
9.00

10.00

11.00

12.00

13.00



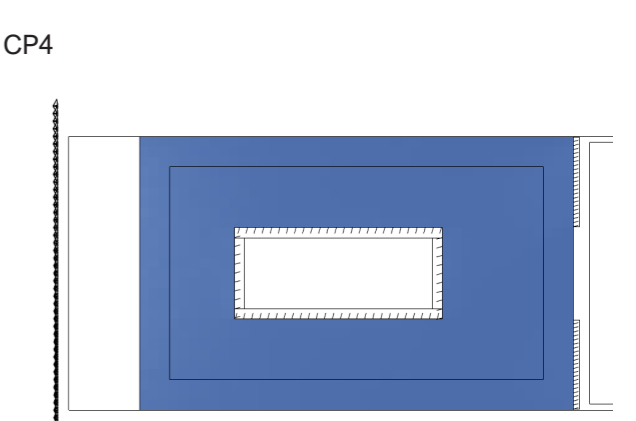
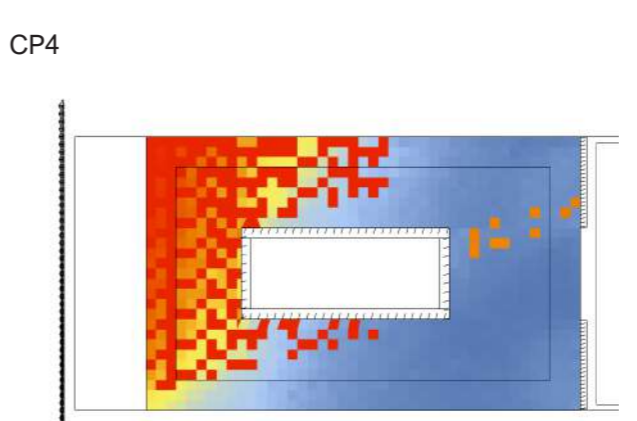
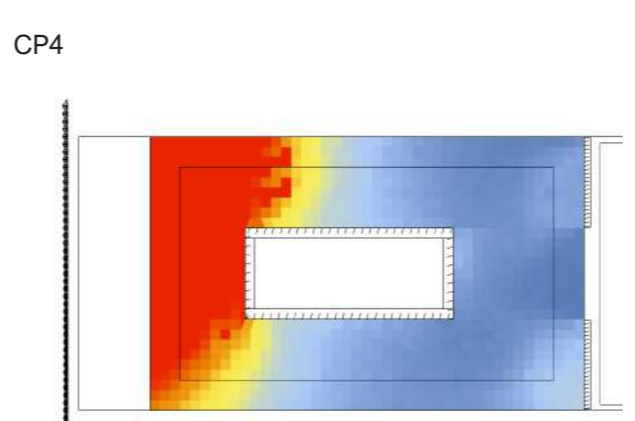
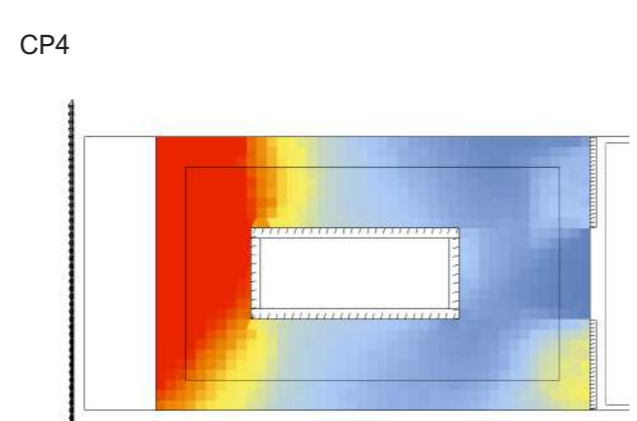
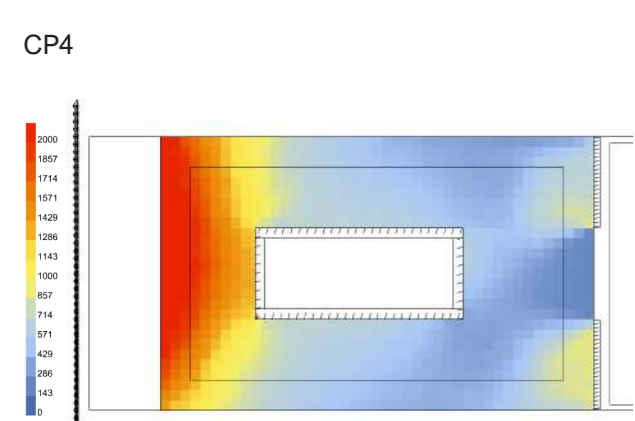
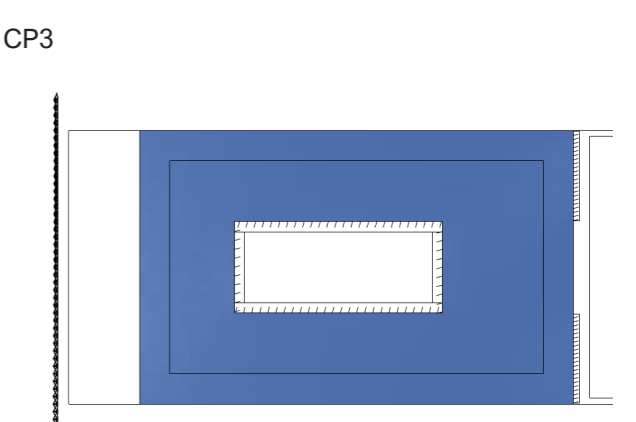
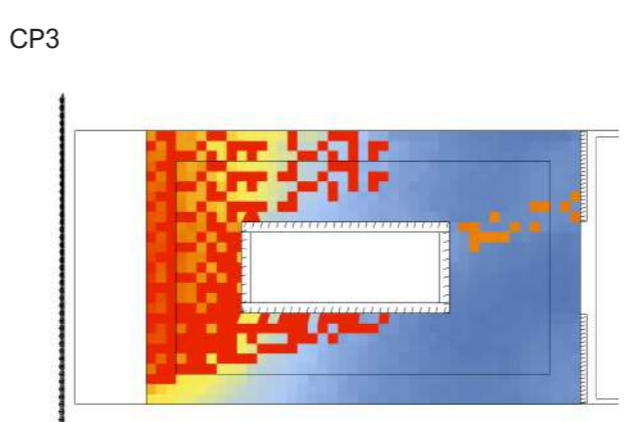
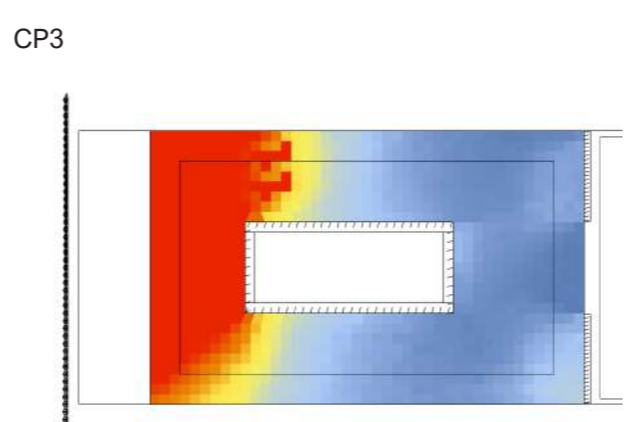
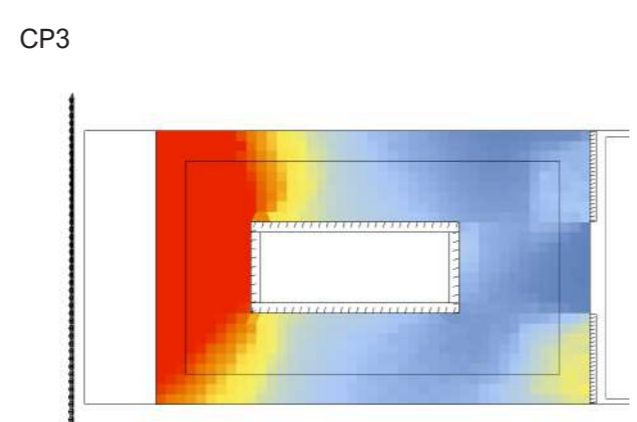
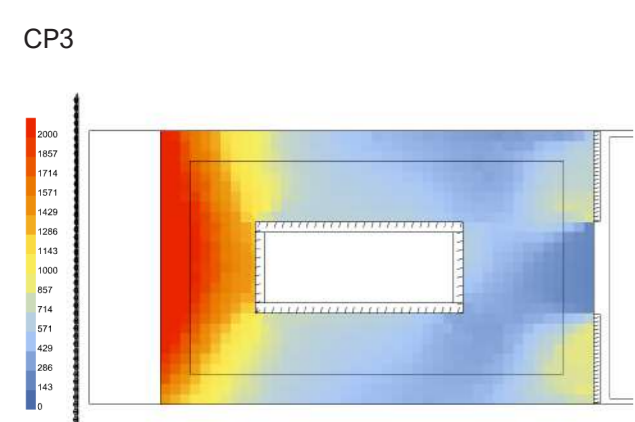
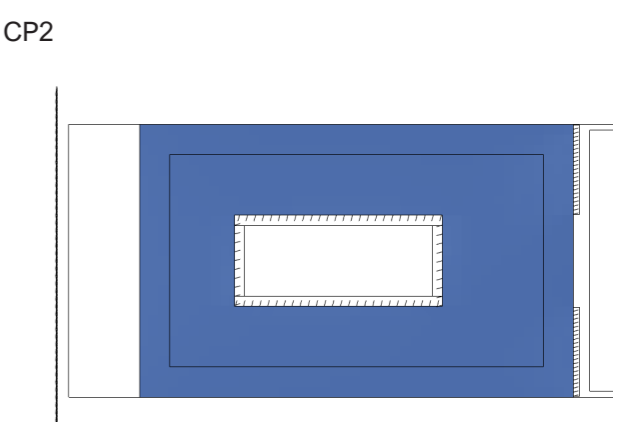
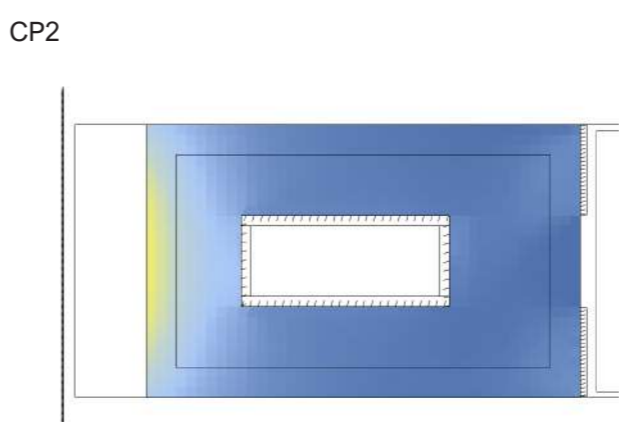
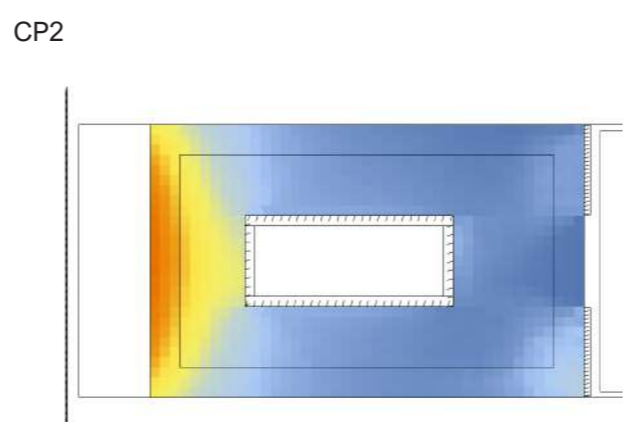
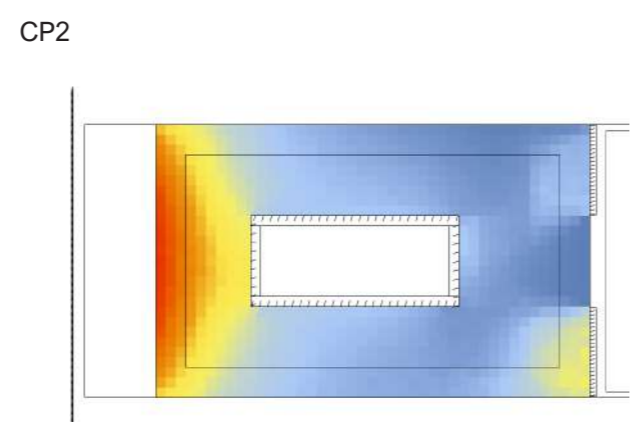
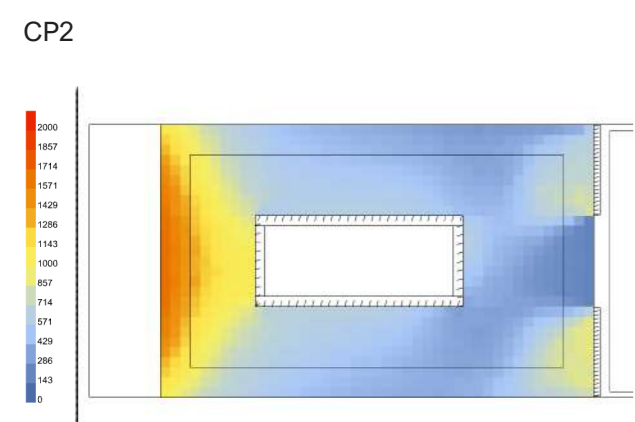
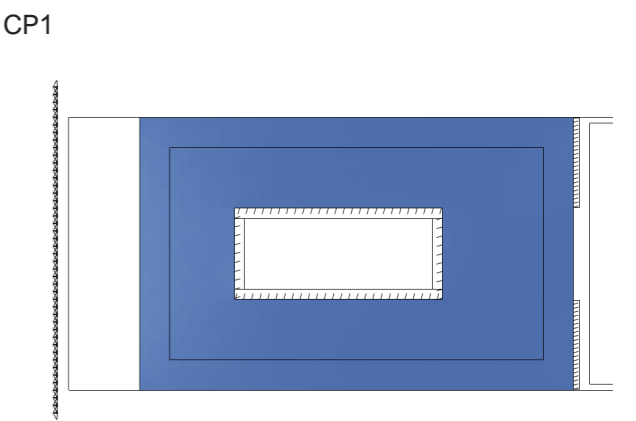
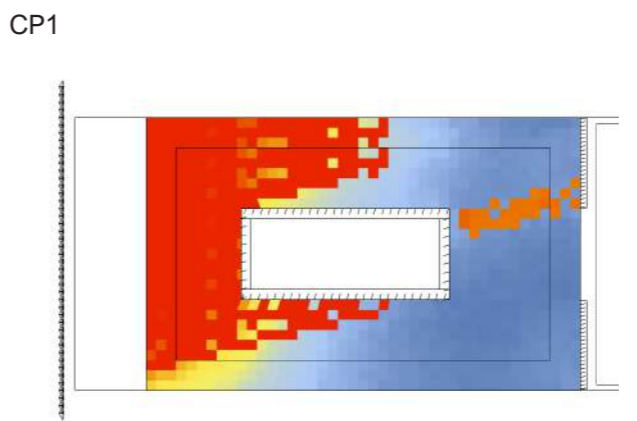
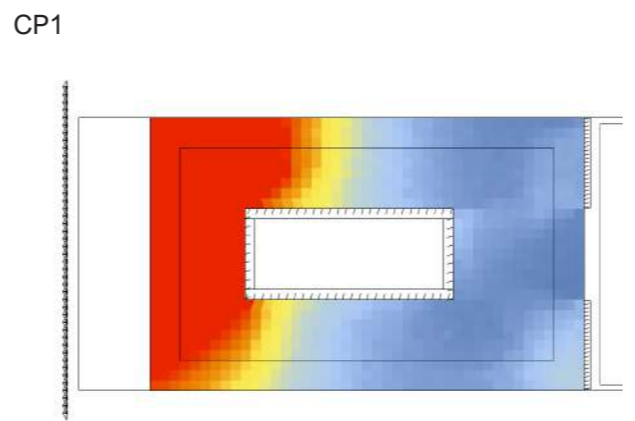
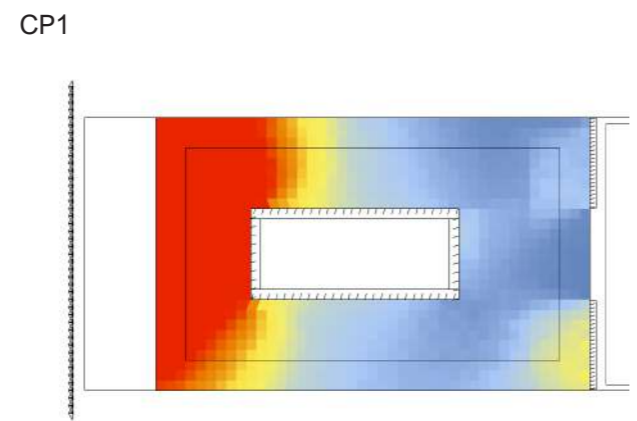
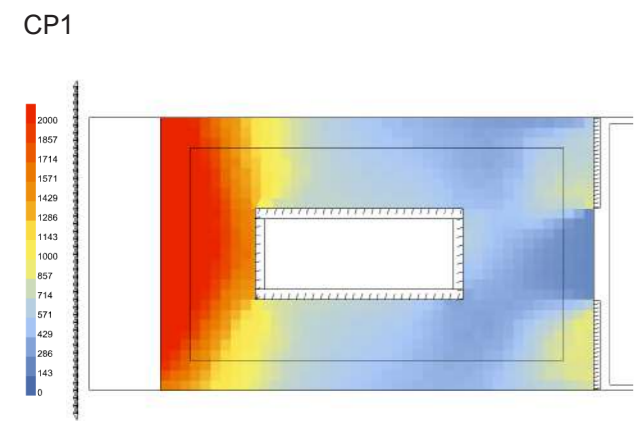
14.00

15.00

16.00

17.00

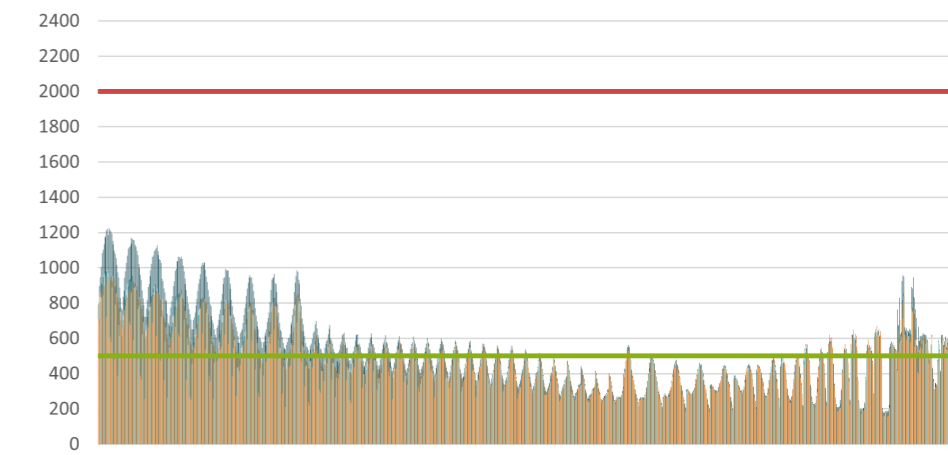
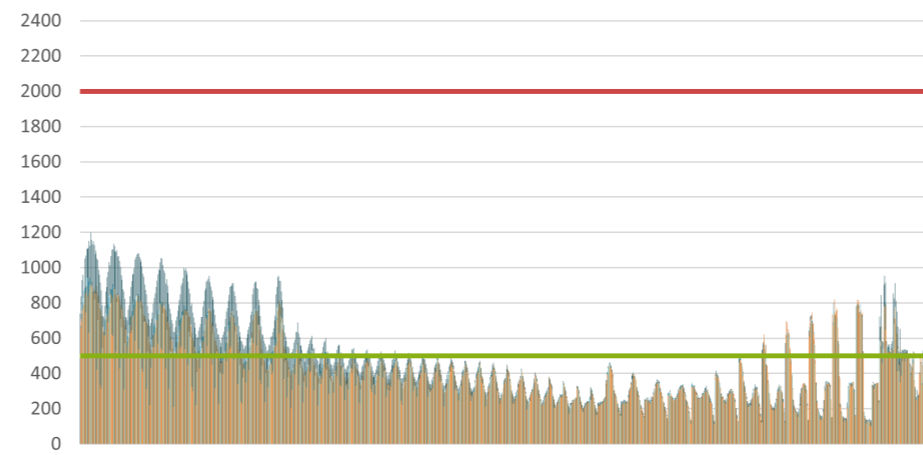
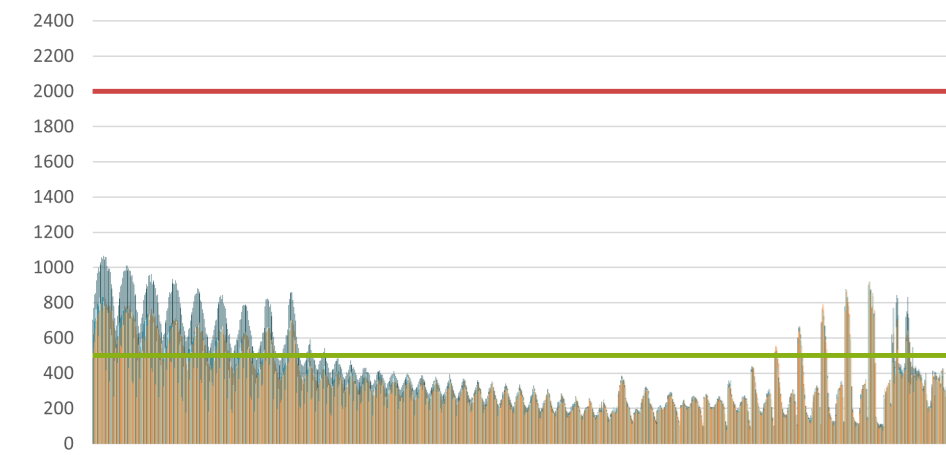
18.00



9.00

10.00

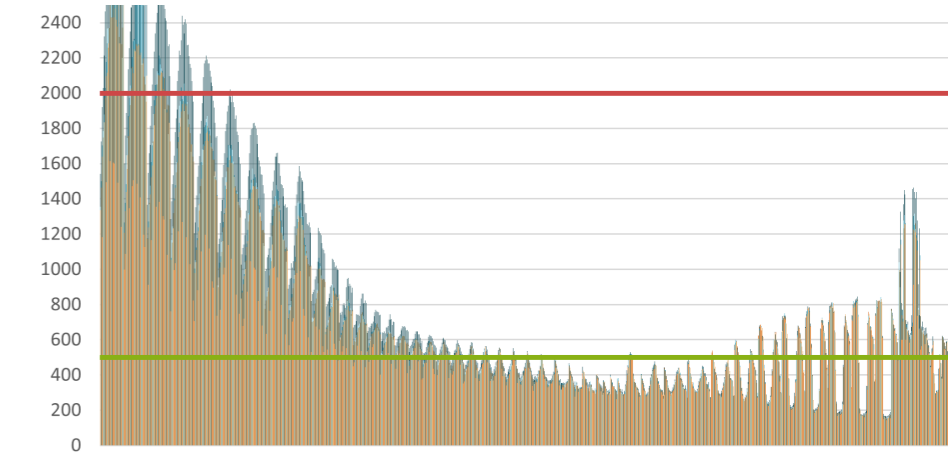
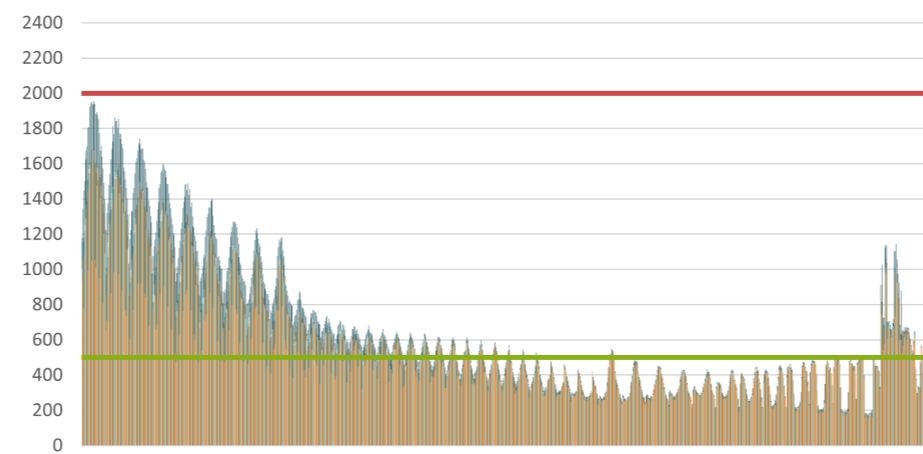
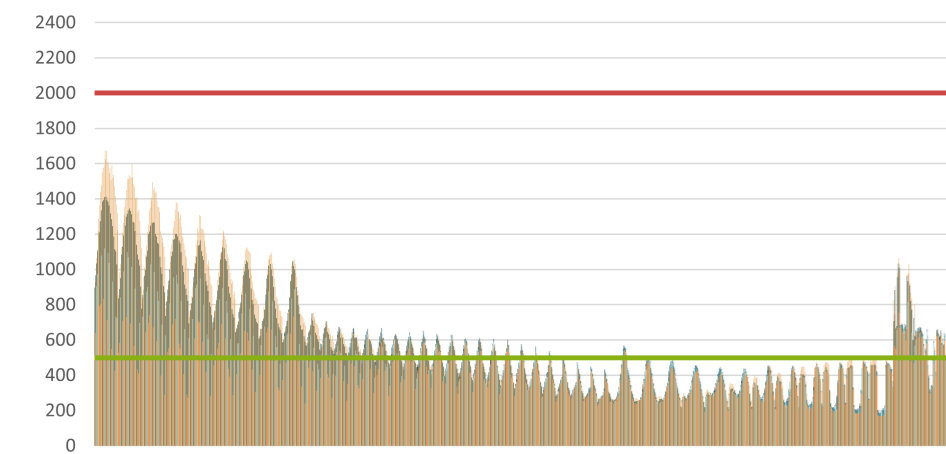
11.00



12.00

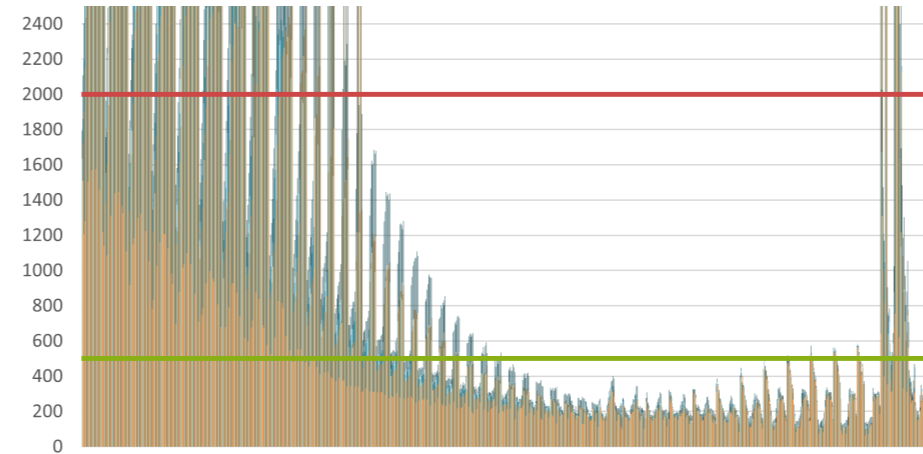
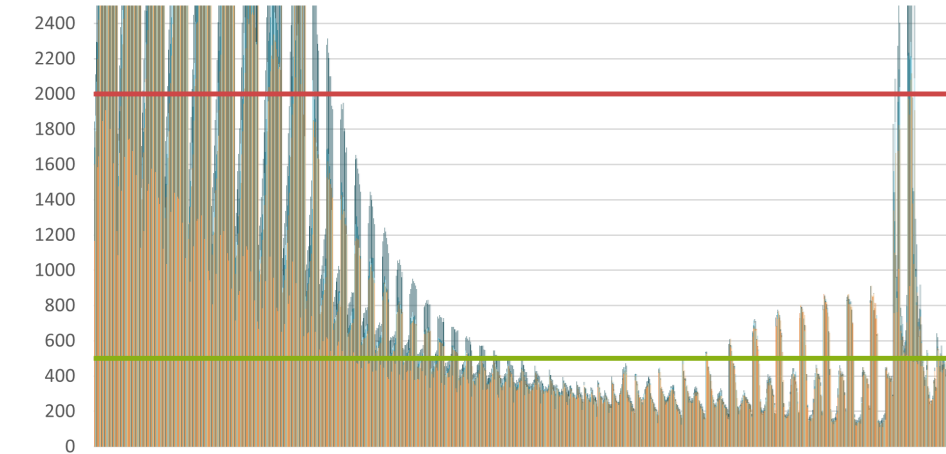
13.00

14.00



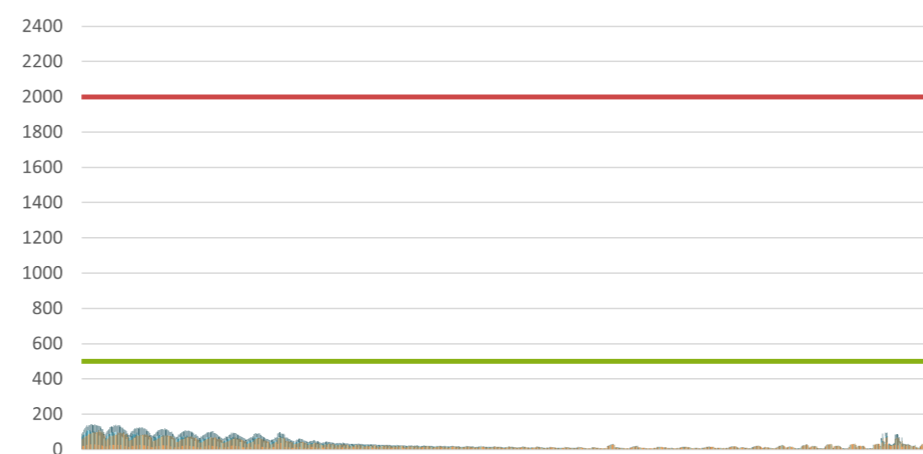
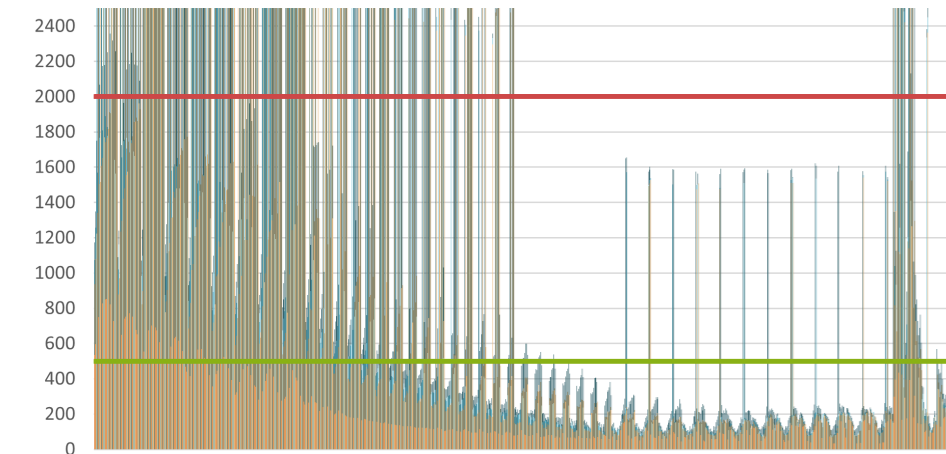
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

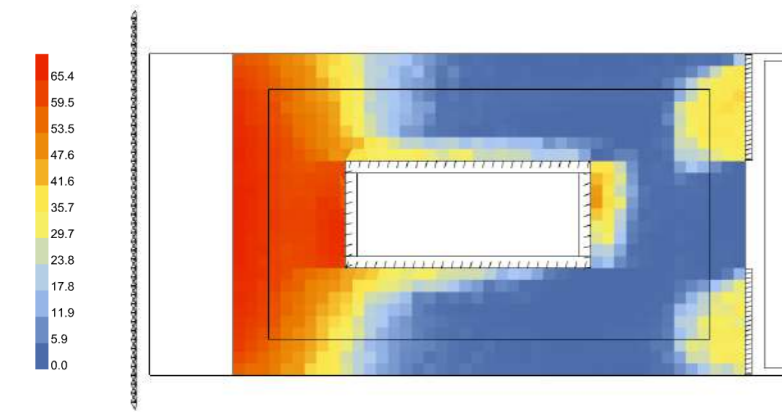
230 CONFRONTO RISULTATI
23 SETTEMBRE - PT



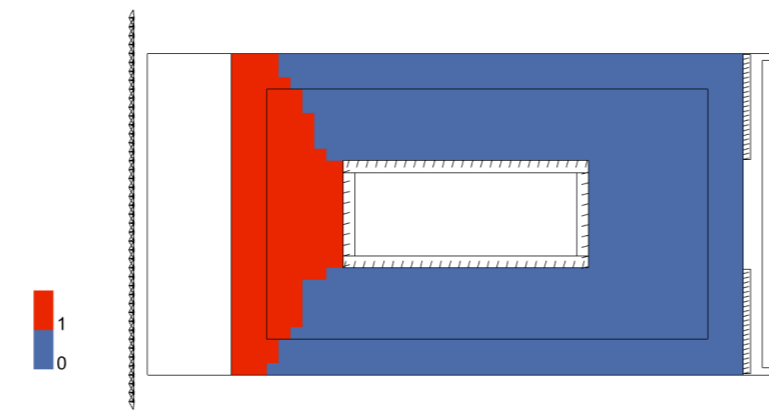
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

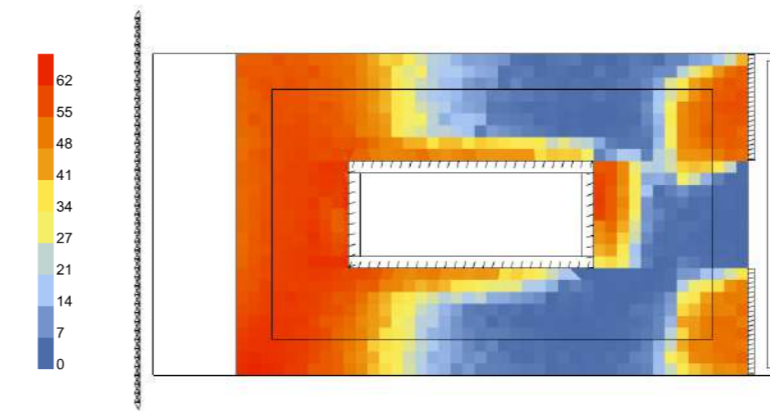
1. Daylight Autonomy (DA) - [%]



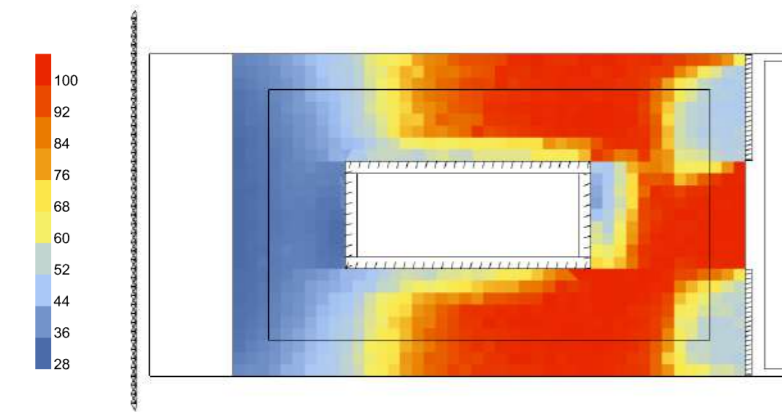
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



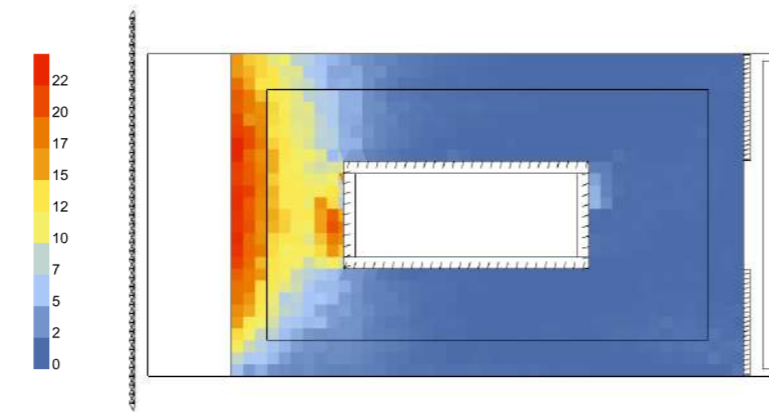
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

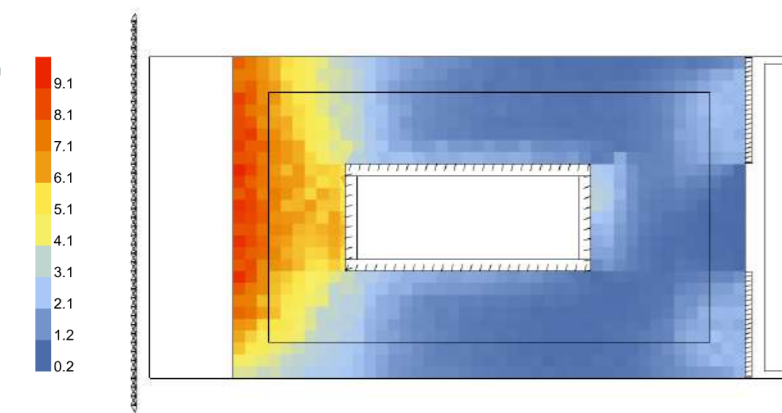


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

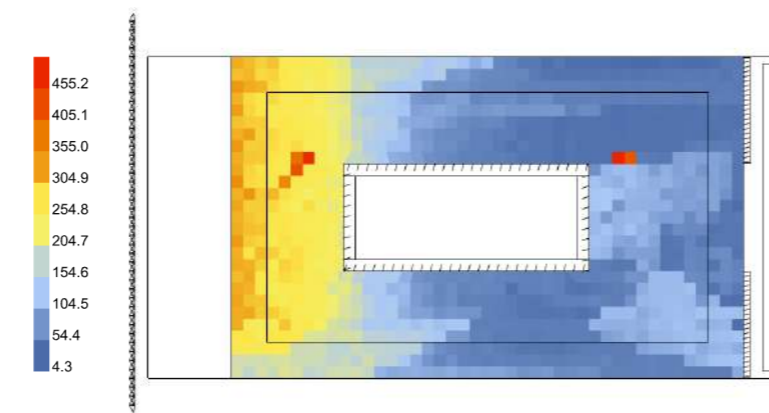


Annual Irradiance

1. Average Irradiance - [W/m²]

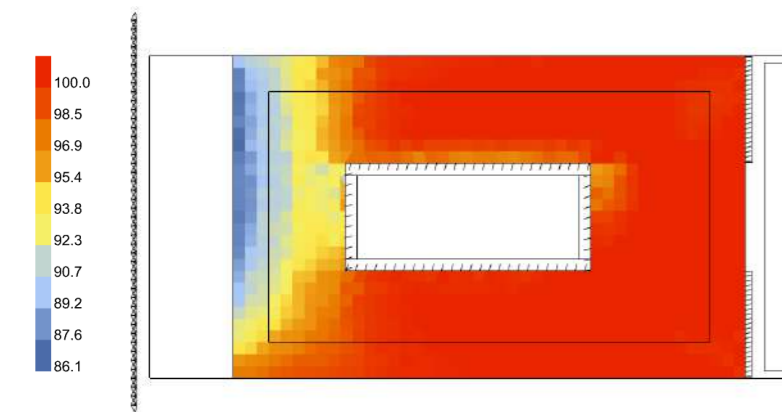


2. Peak Irradiance - [W/m²]



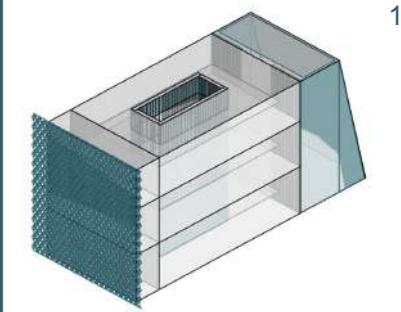
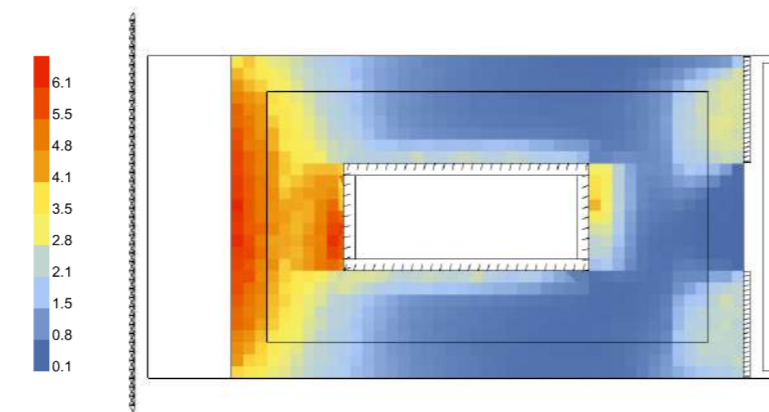
Annual Glare

1. Glare Autonomy (GA) - [%]

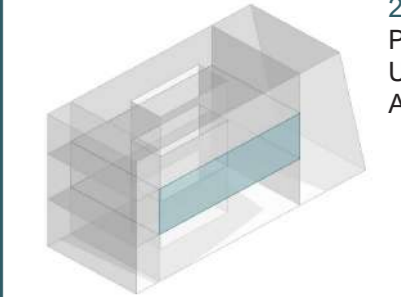


Daylight Factor

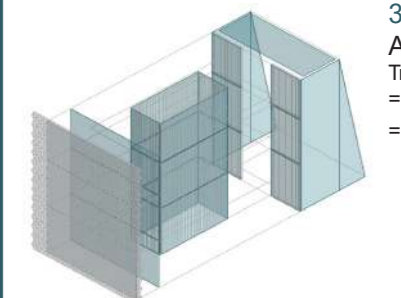
[%]



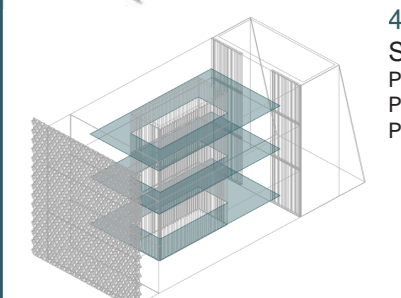
1. Modello Rhino



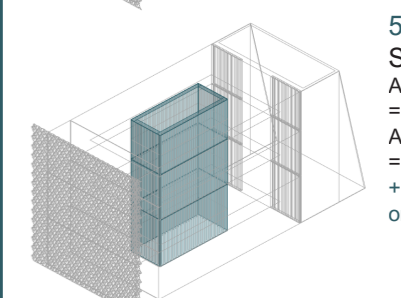
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



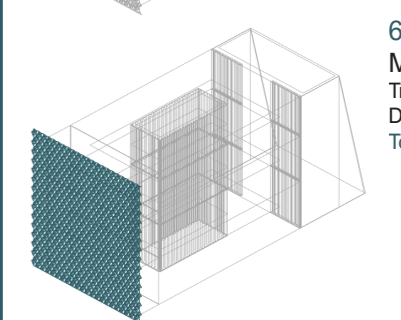
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmissione = 0,2
Distanza = 0,60 cm
Totalmente chiuso

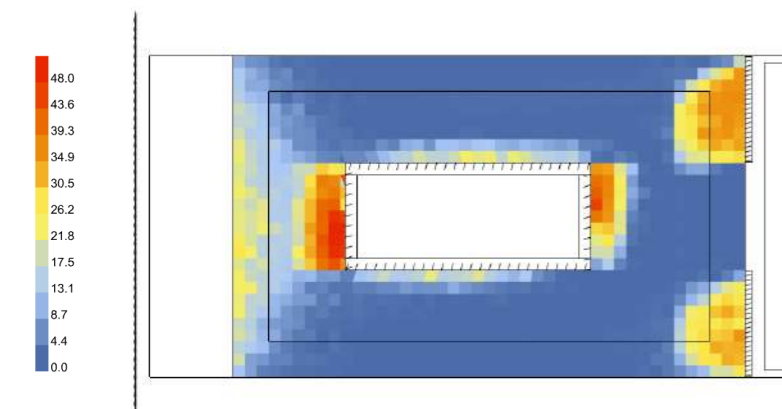
231 SCELTA CONFIGURAZIONE
CP1 - P1



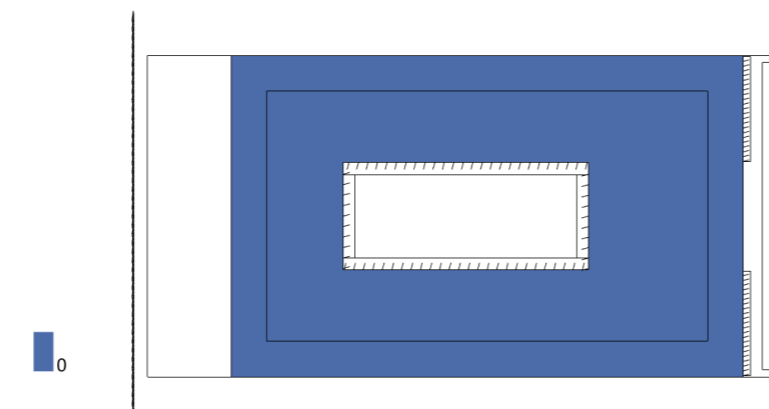
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

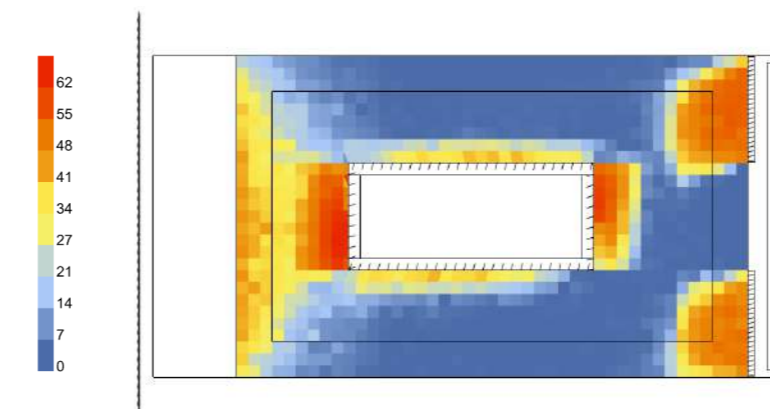
1. Daylight Autonomy (DA) - [%]



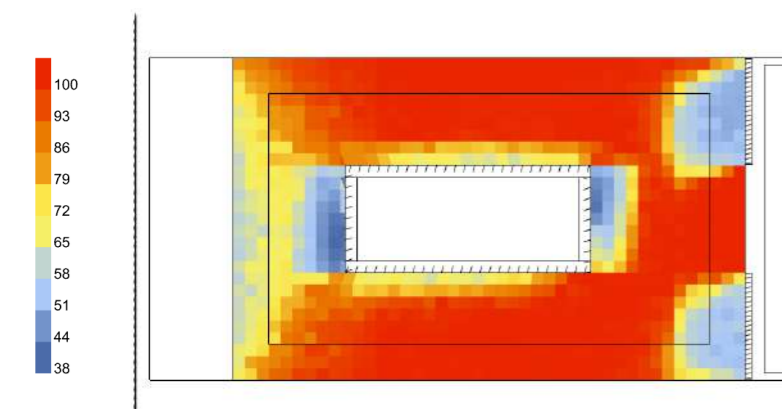
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



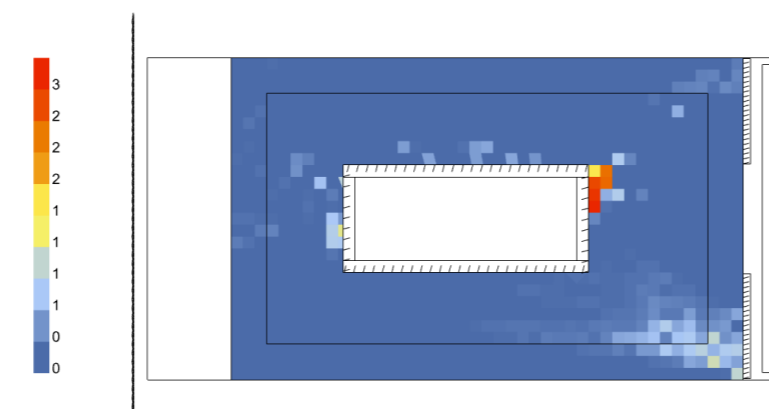
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

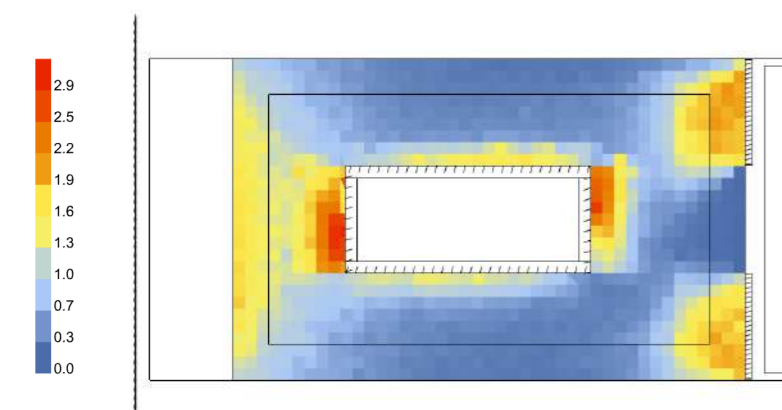


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

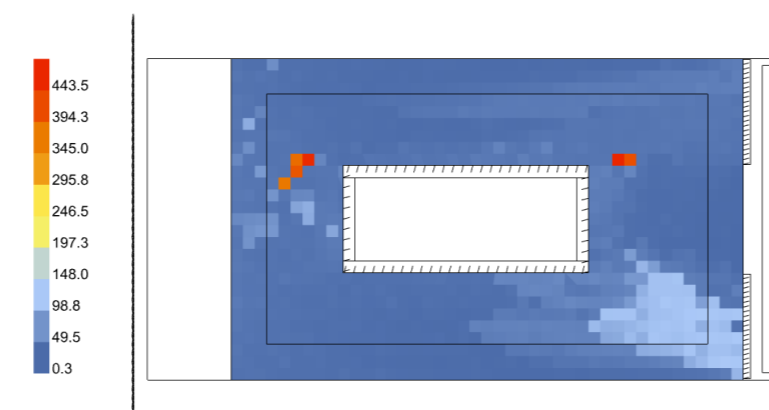


Annual Irradiance

1. Average Irradiance - [W/m²]

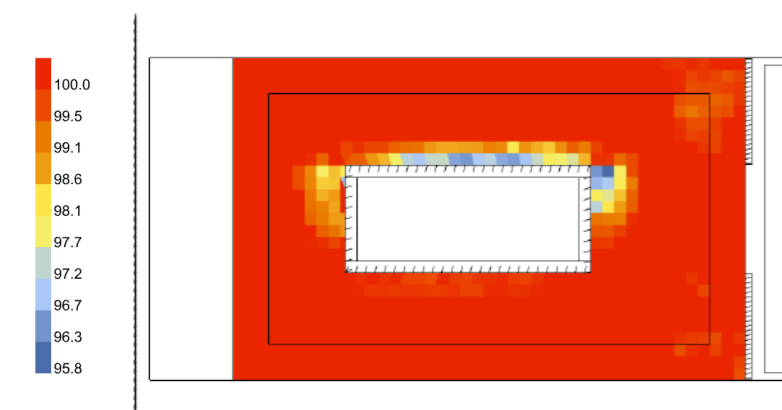


2. Peak Irradiance - [W/m²]



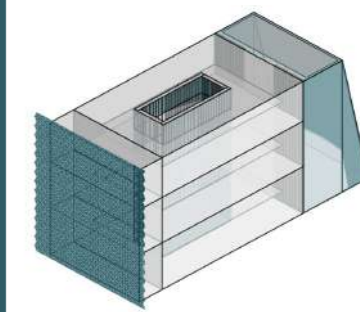
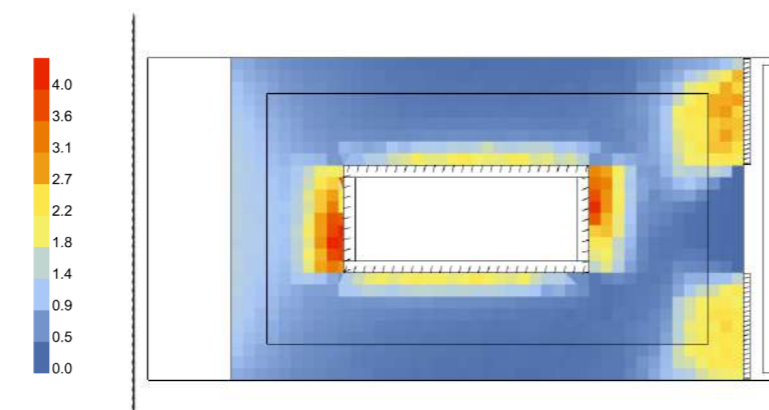
Annual Glare

1. Glare Autonomy (GA) - [%]

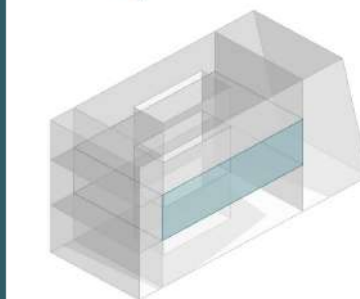


Daylight Factor

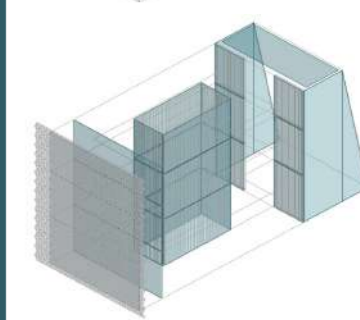
[%]



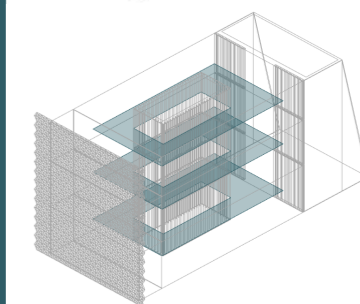
1. Modello Rhino



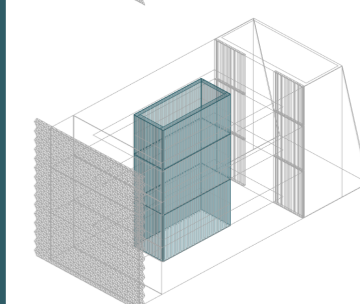
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



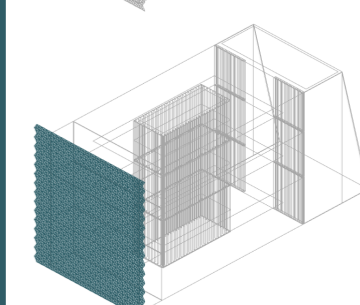
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Totalmente aperto

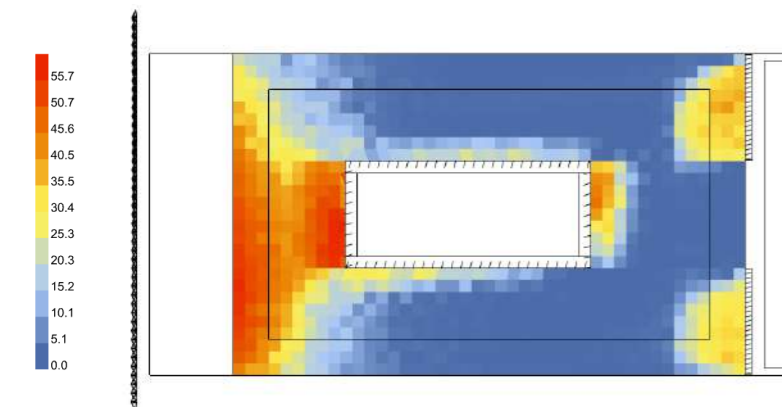
232 SCELTA CONFIGURAZIONE
CP2 - P1



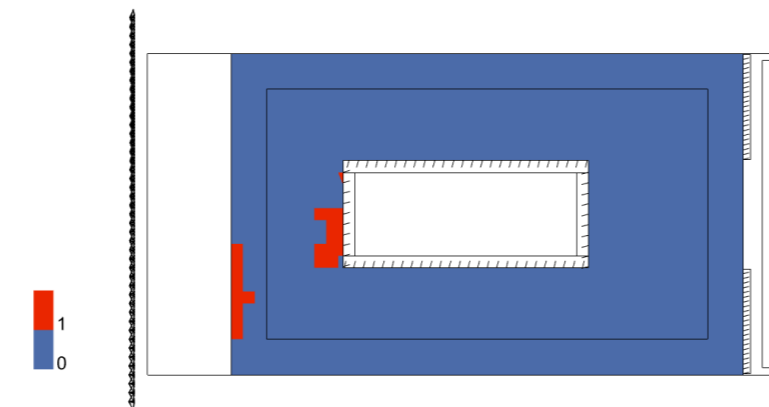
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

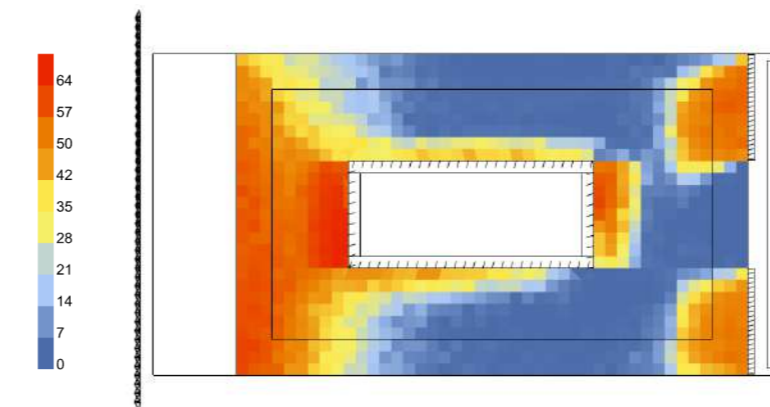
1. Daylight Autonomy (DA) - [%]



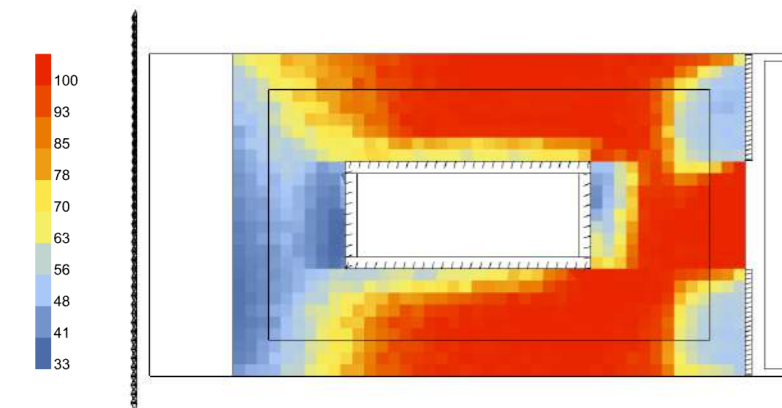
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



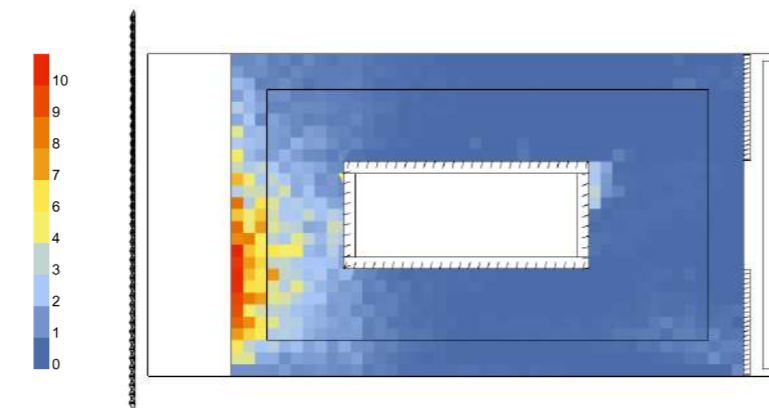
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

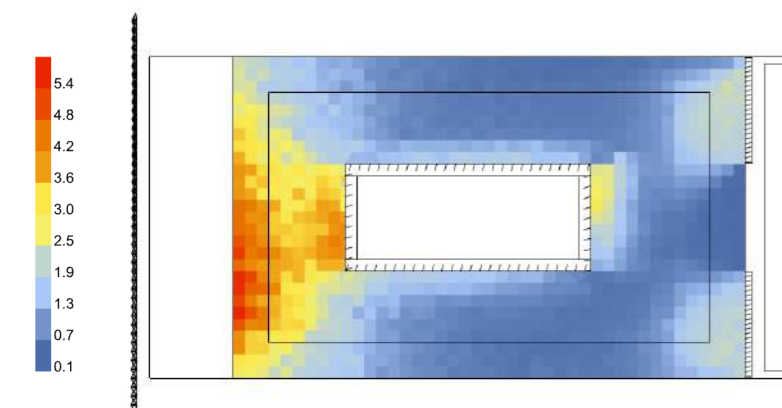


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

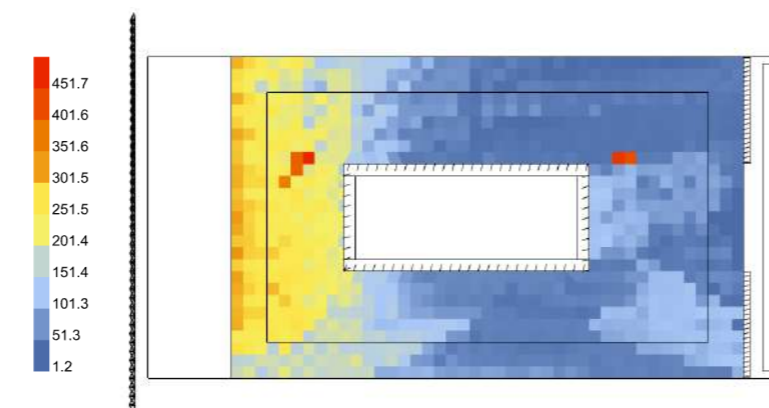


Annual Irradiance

1. Average Irradiance - [W/m²]

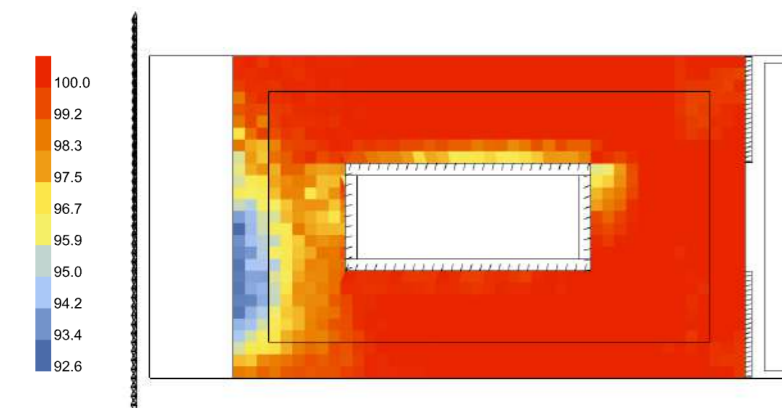


2. Peak Irradiance - [W/m²]



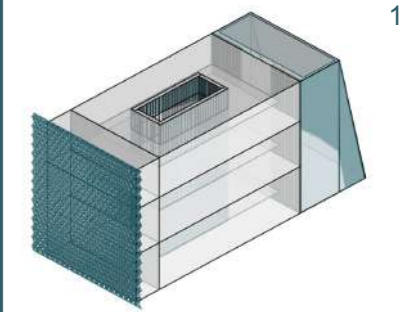
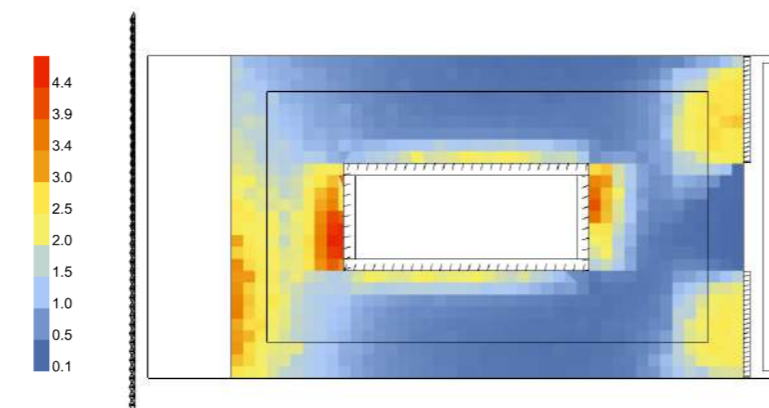
Annual Glare

1. Glare Autonomy (GA) - [%]

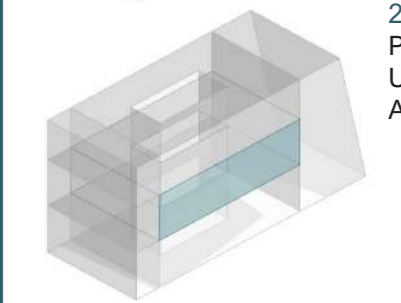


Daylight Factor

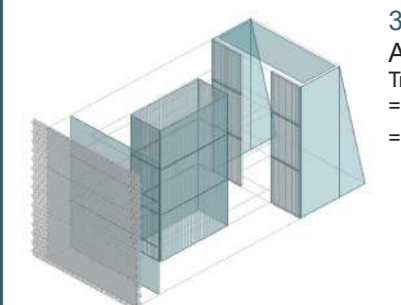
[%]



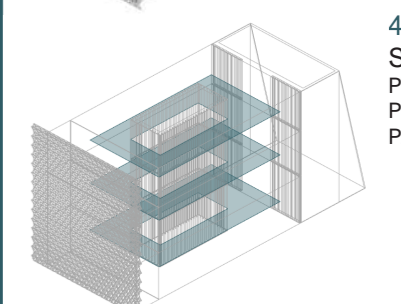
1. Modello Rhino



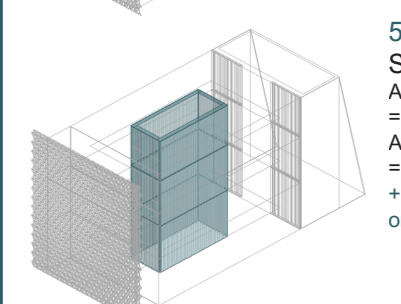
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



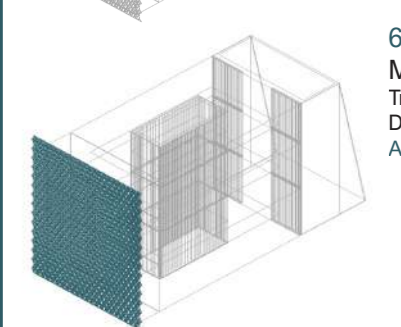
3. Modello HB
Aperture
Trasmissione luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmissione = 0,2
Distanza = 0,60 cm
Aperto verso Nord

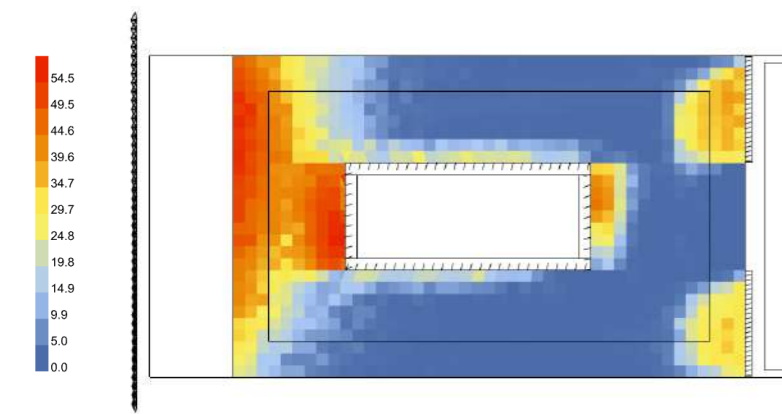
233 SCELTA CONFIGURAZIONE
CP3 - P1



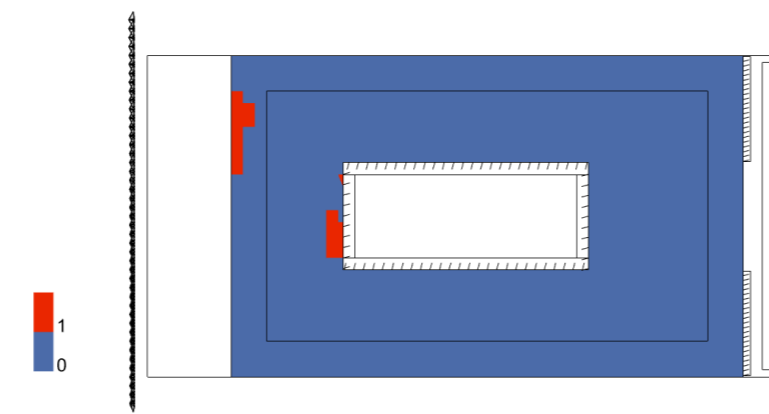
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

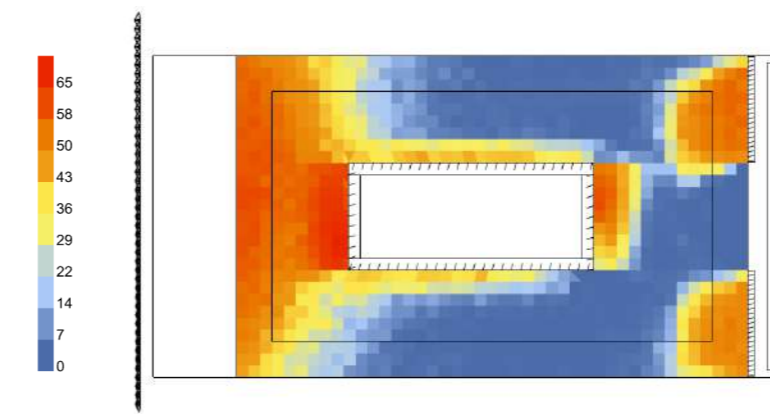
1. Daylight Autonomy (DA) - [%]



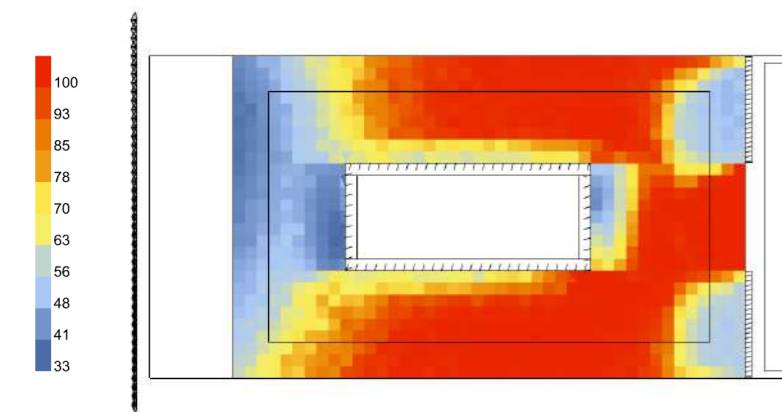
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



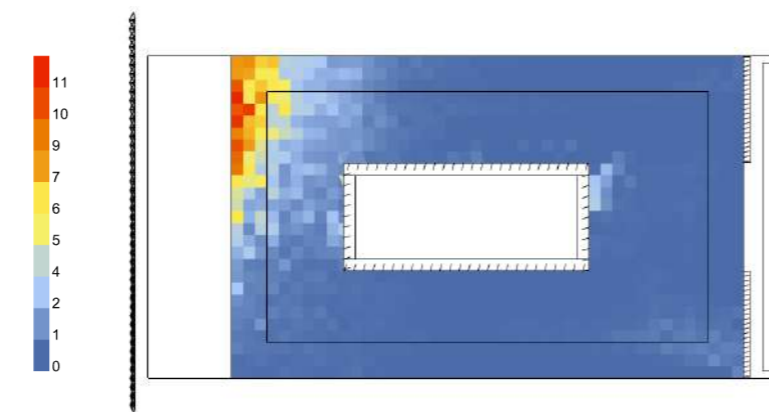
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

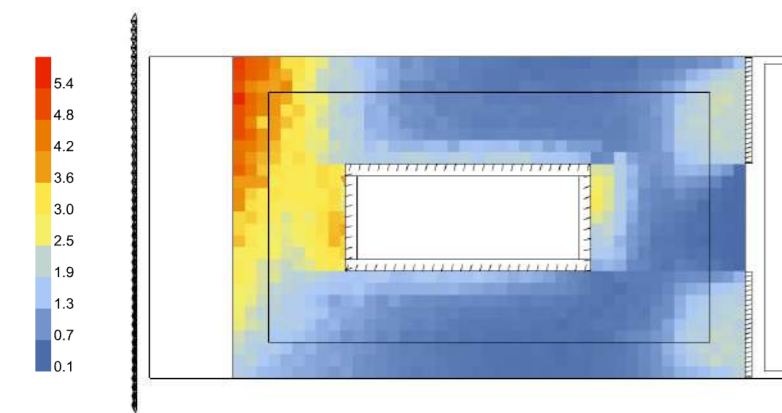


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

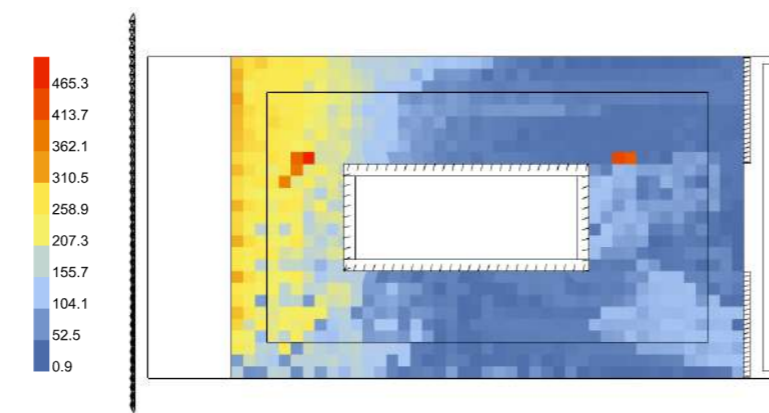


Annual Irradiance

1. Average Irradiance - [W/m²]

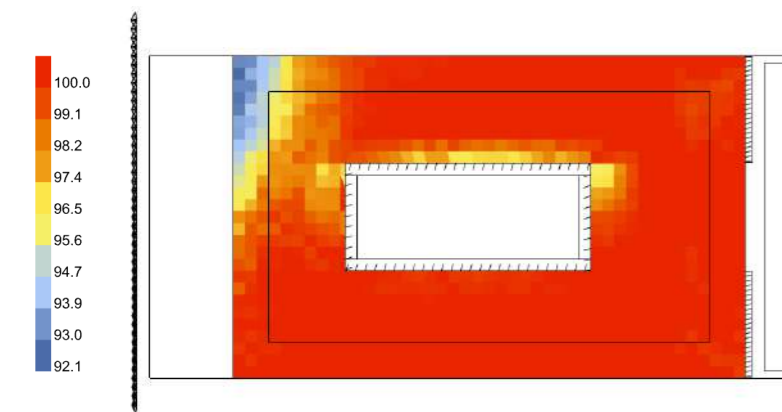


2. Peak Irradiance - [W/m²]



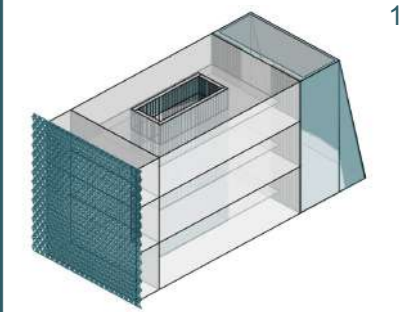
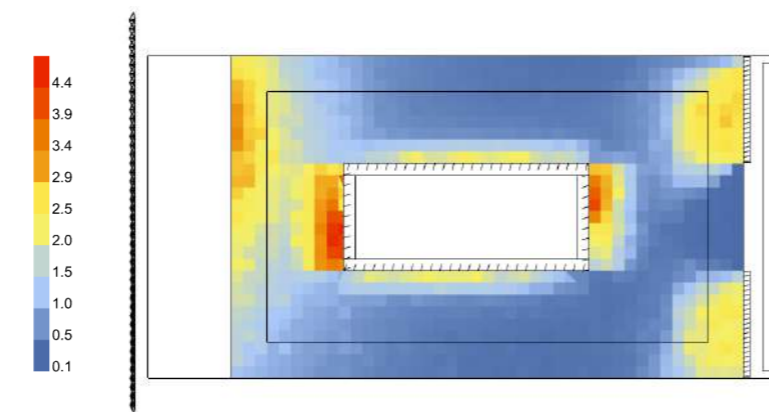
Annual Glare

1. Glare Autonomy (GA) - [%]

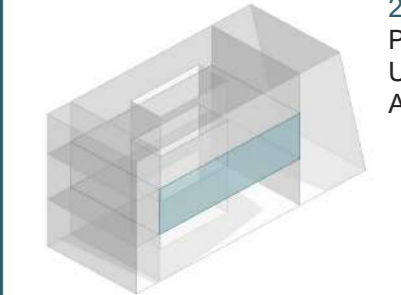


Daylight Factor

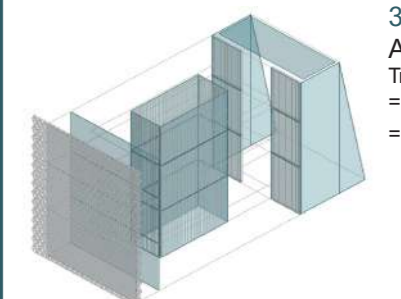
[%]



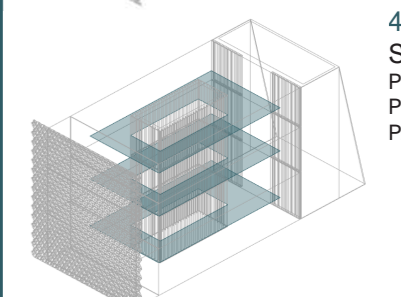
1. Modello Rhino



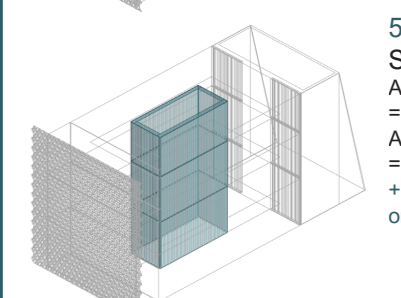
2. Modello HB
Piano Primo
Uffici 21,5x13,5m
Altezza 6,4 m



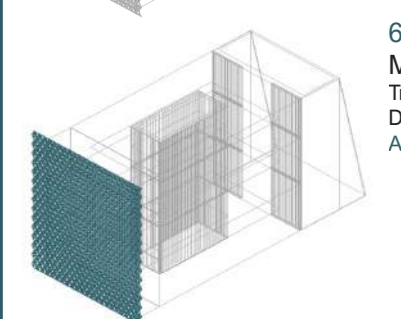
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Aperto verso Sud

234 SCELTA CONFIGURAZIONE
CP4 - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

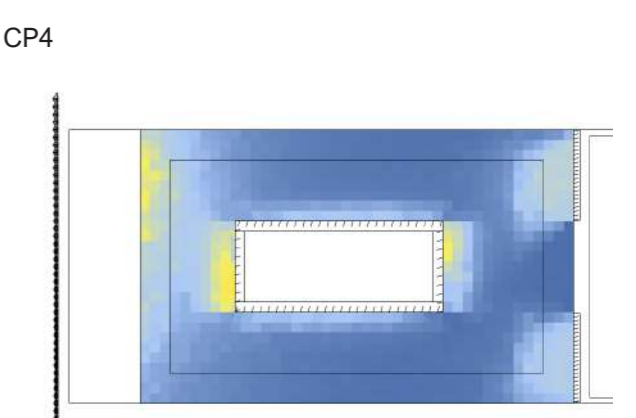
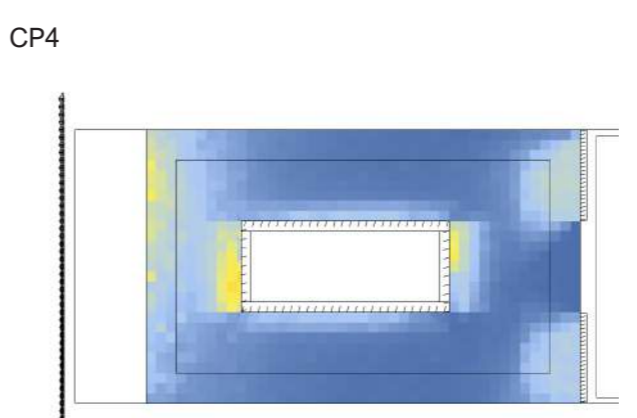
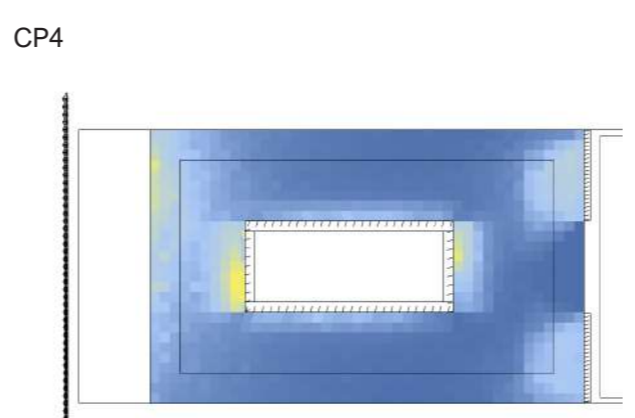
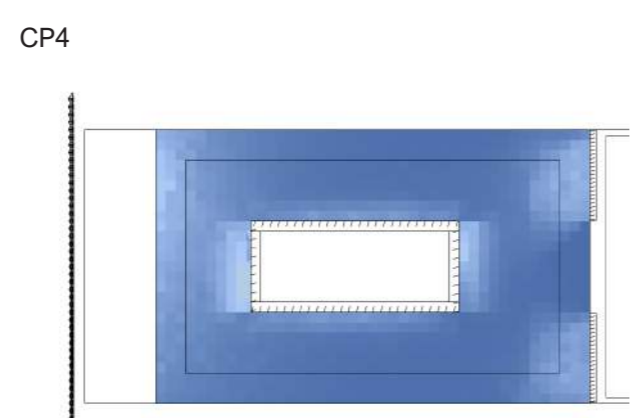
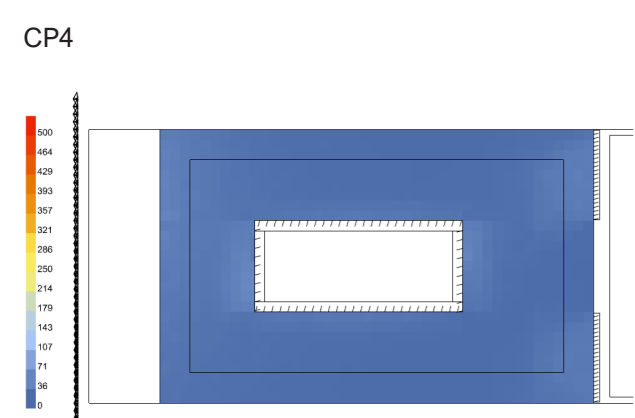
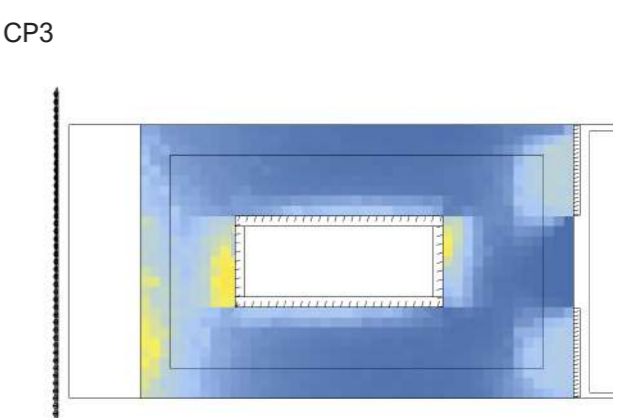
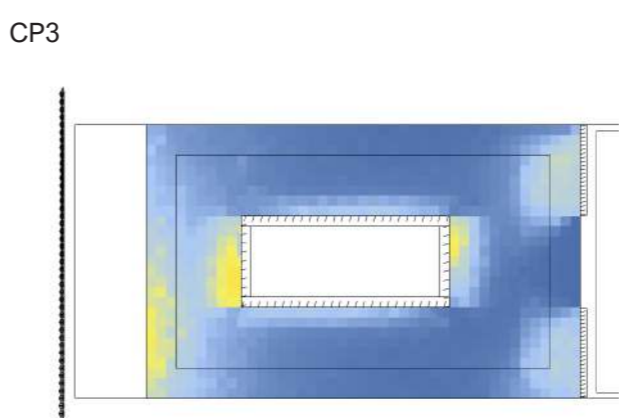
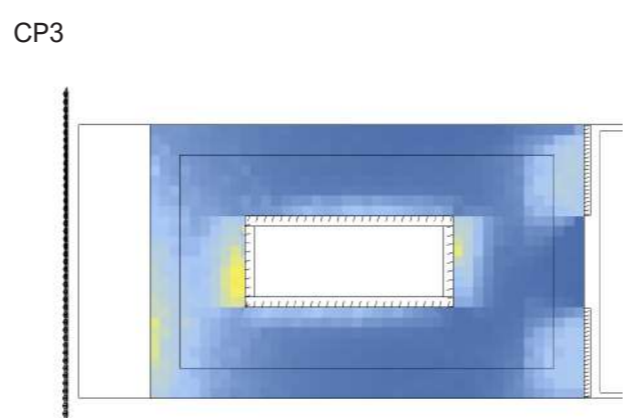
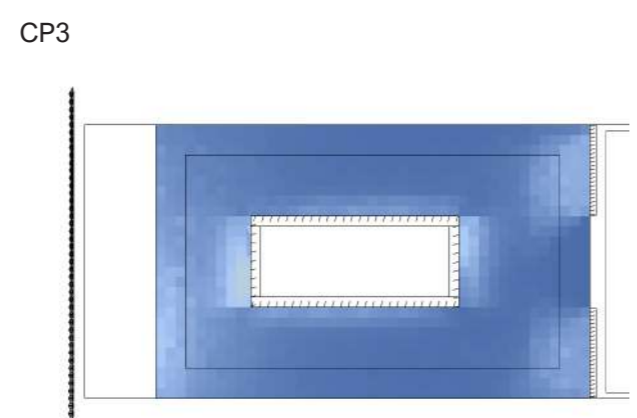
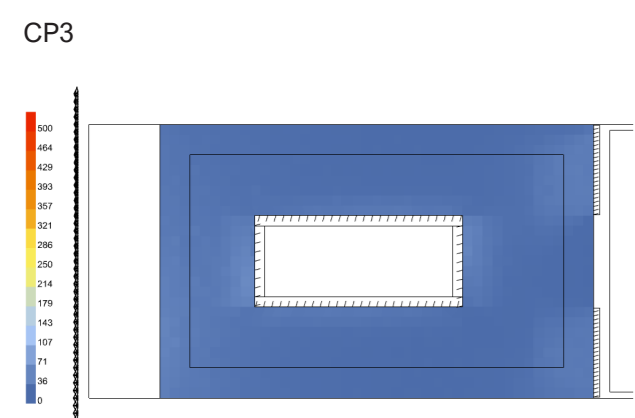
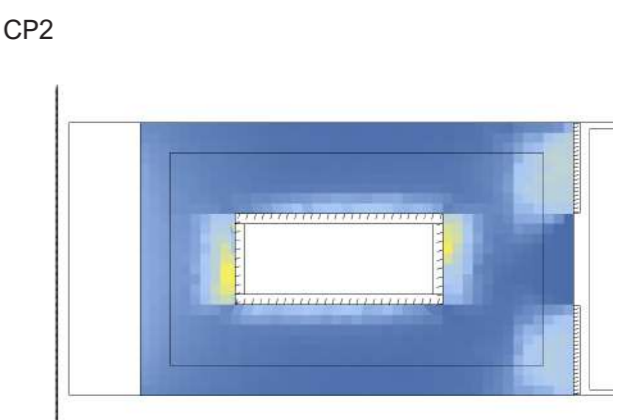
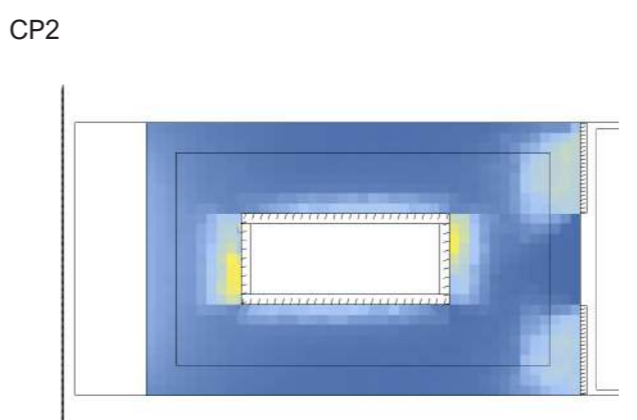
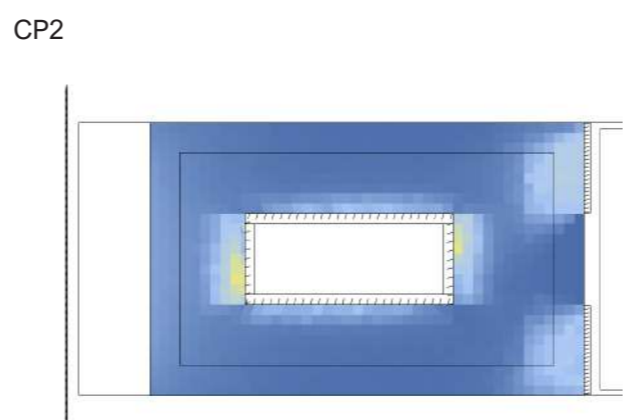
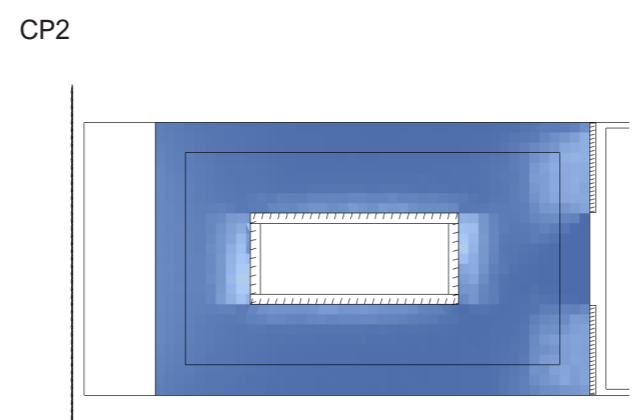
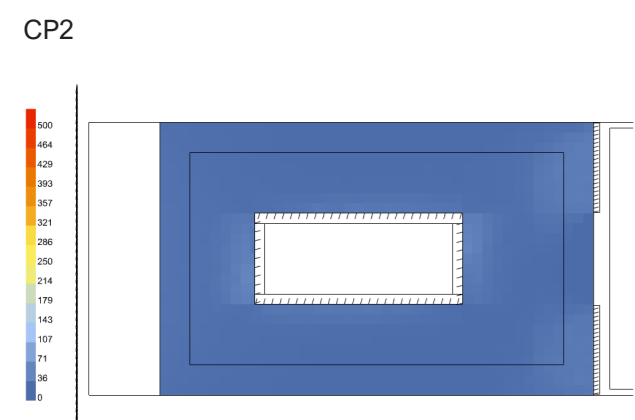
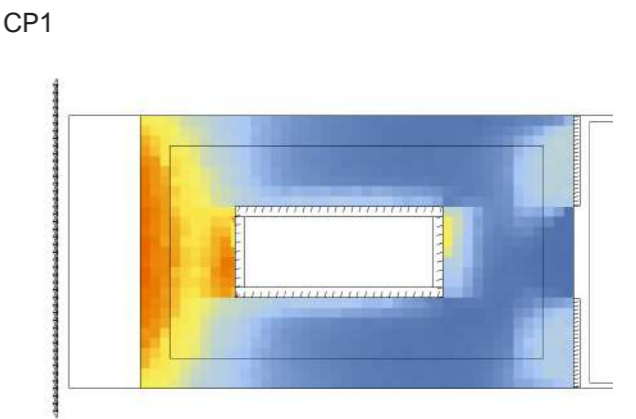
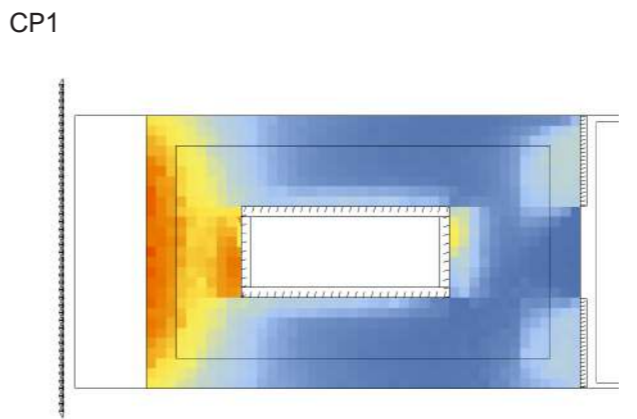
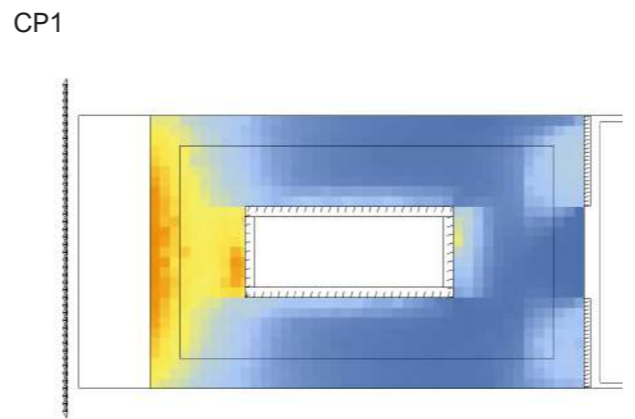
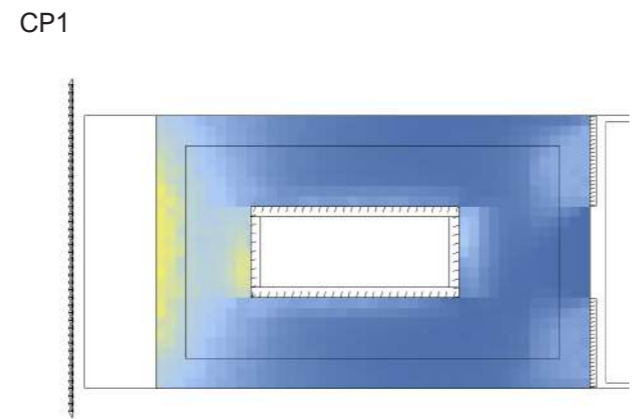
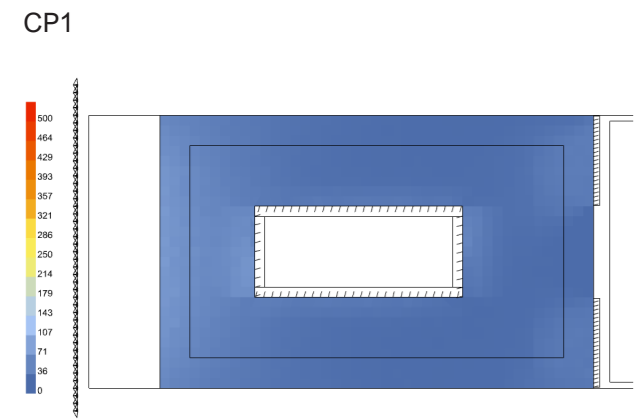
9.00

10.00

11.00

12.00

13.00



235 SCELTA CONFIGURAZIONE
21 DICEMBRE - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

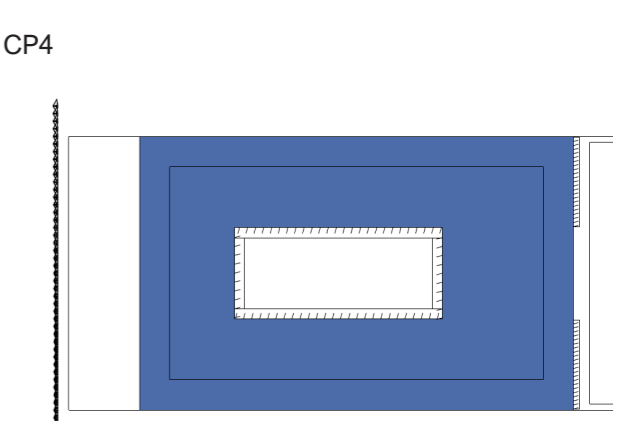
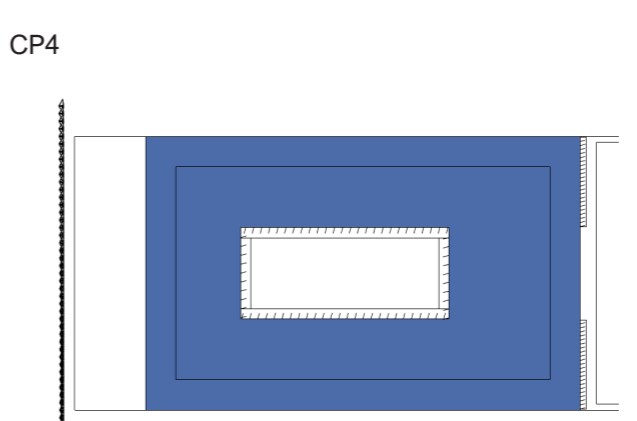
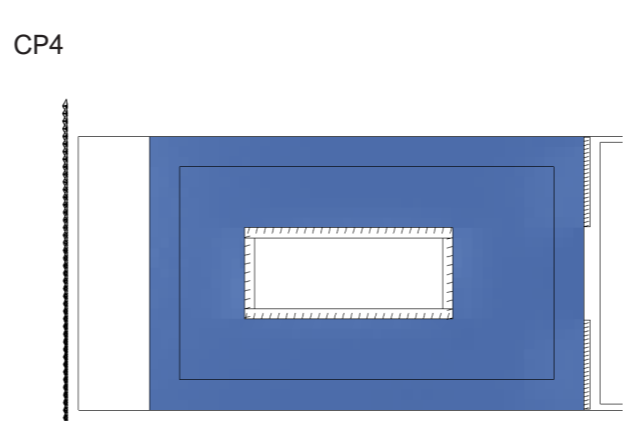
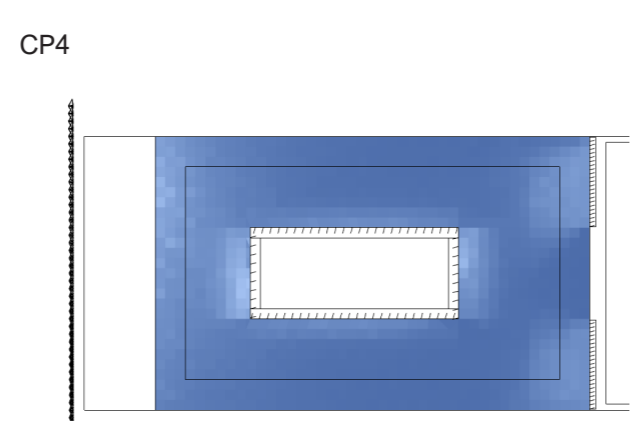
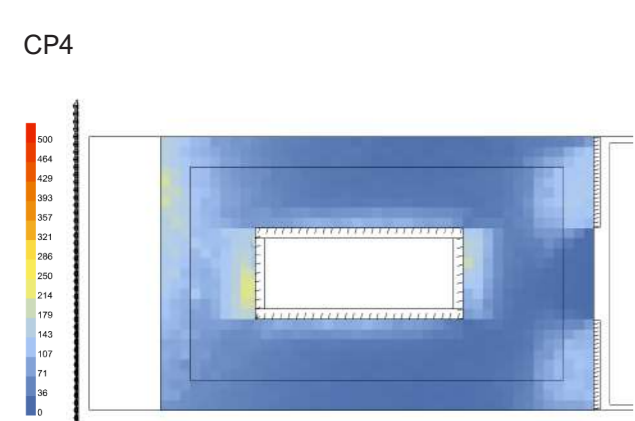
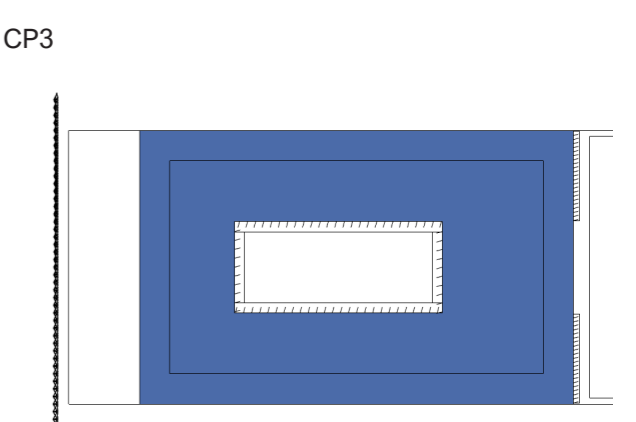
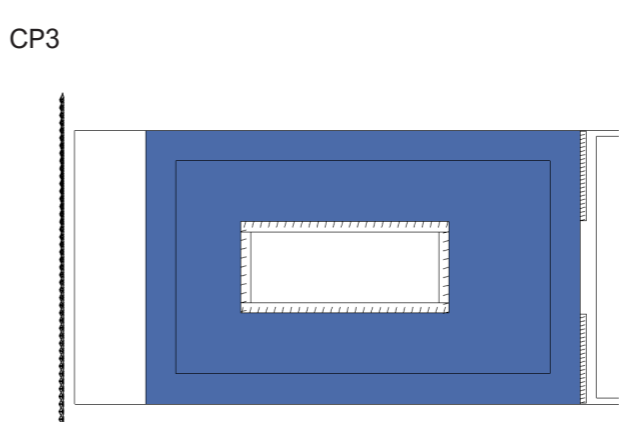
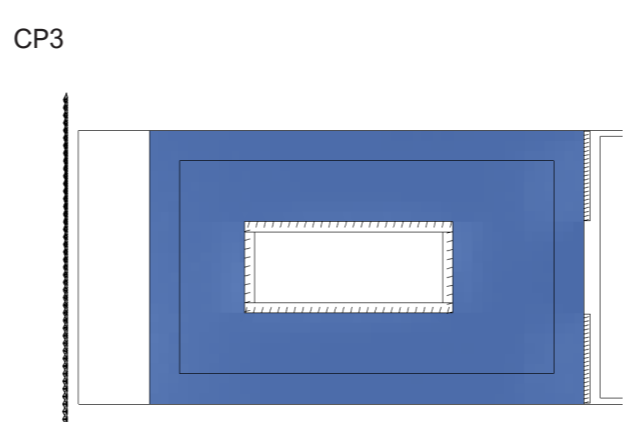
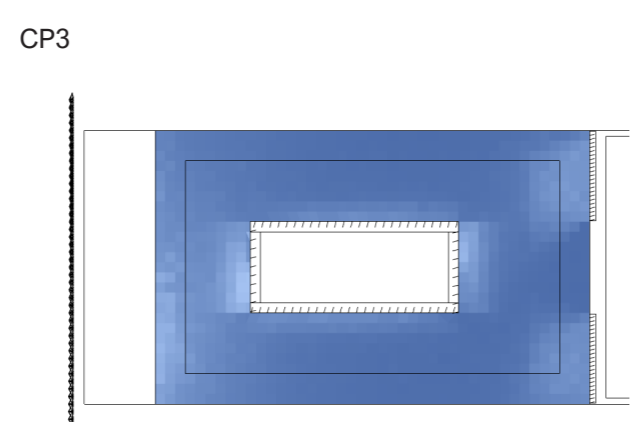
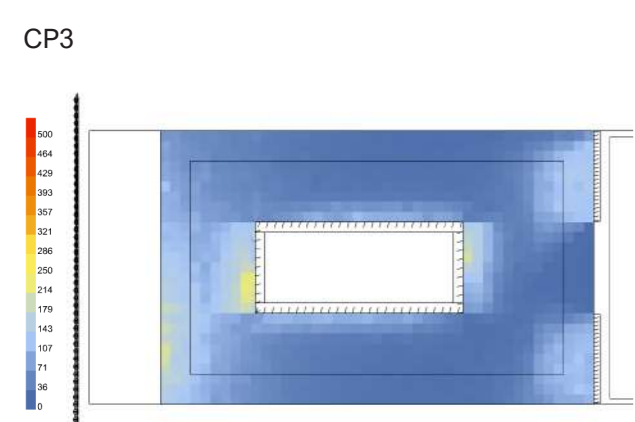
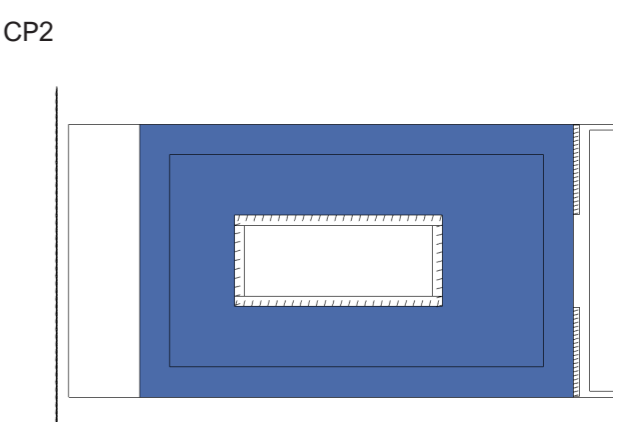
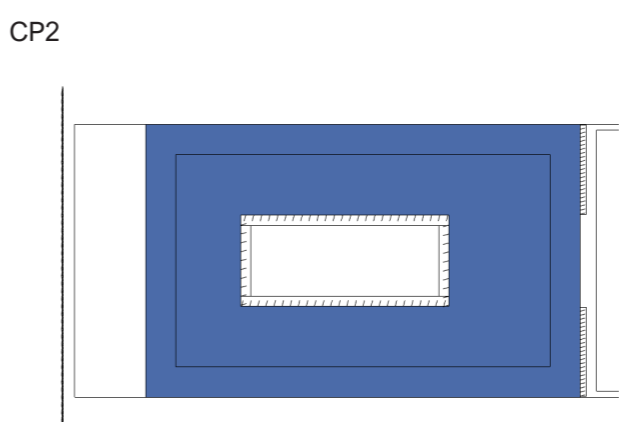
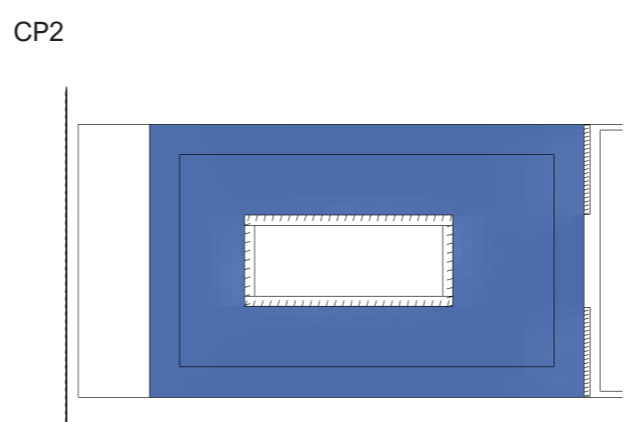
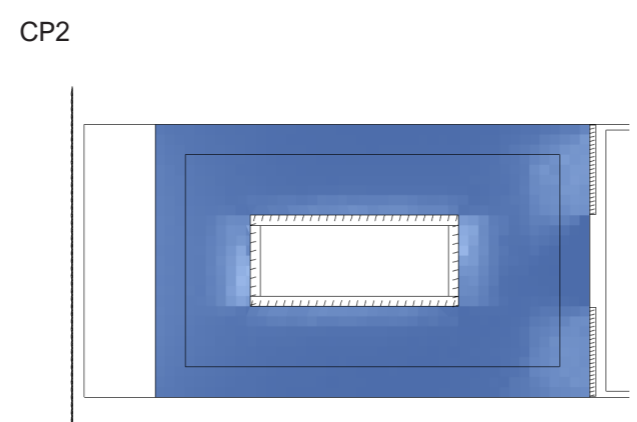
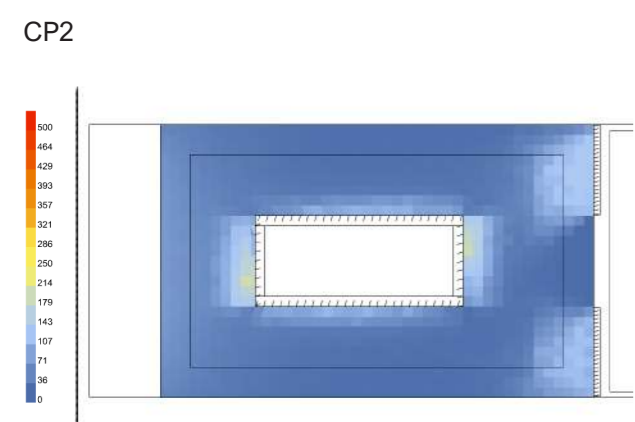
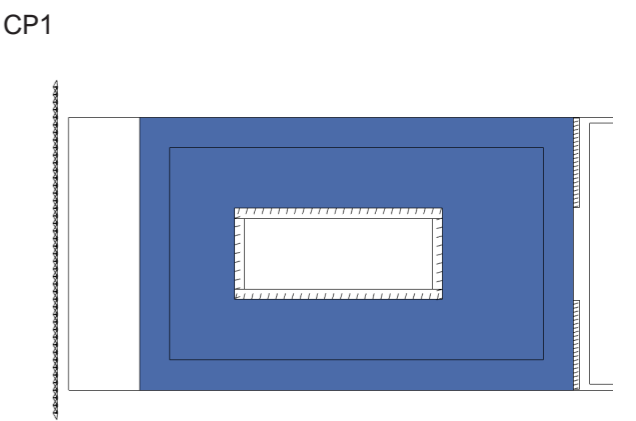
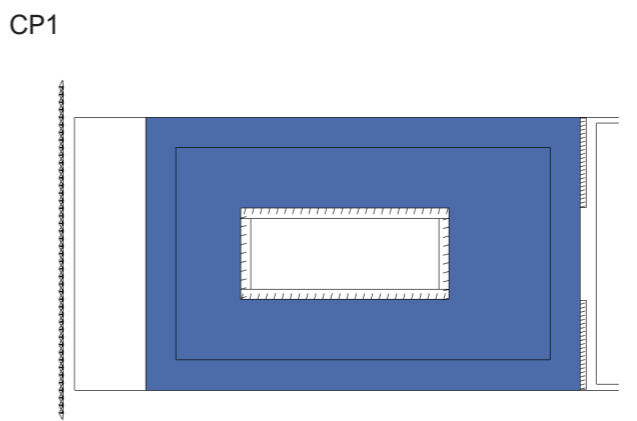
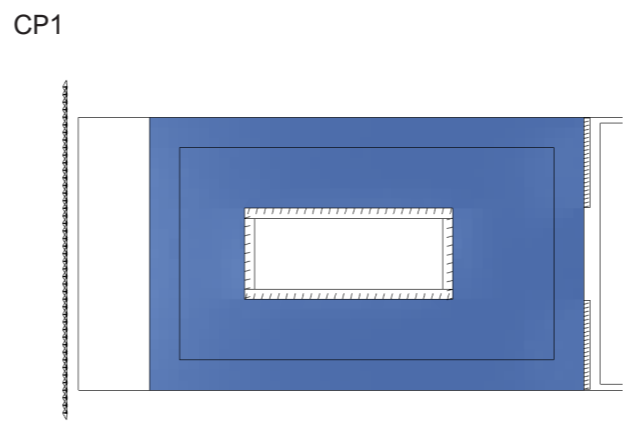
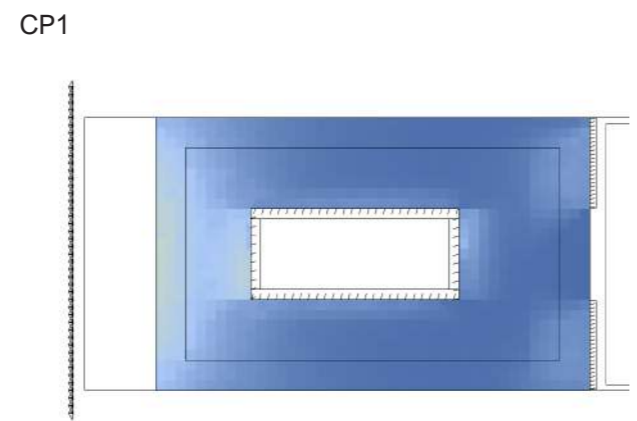
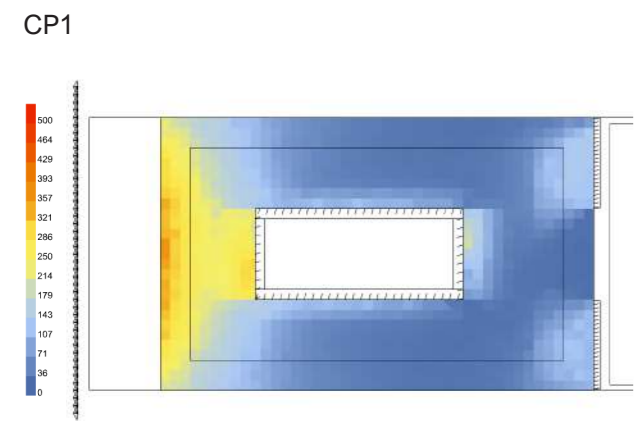
14.00

15.00

16.00

17.00

18.00

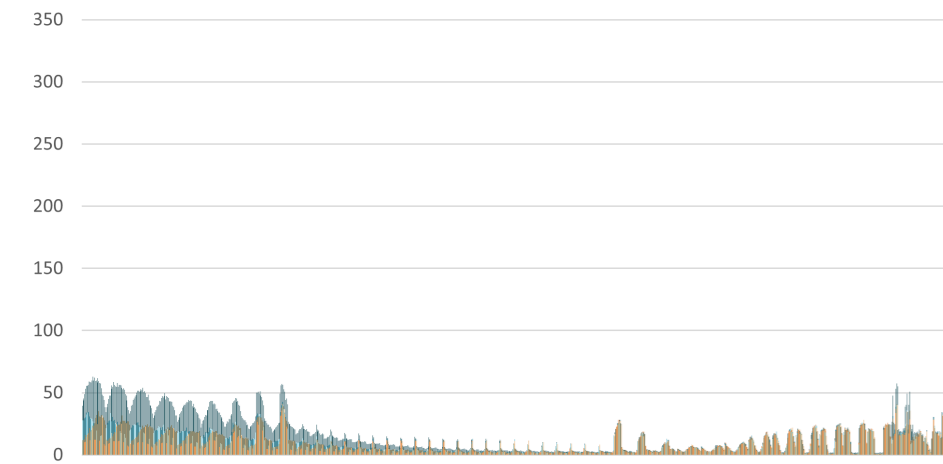


236 SCELTA CONFIGURAZIONE
21 DICEMBRE - P1

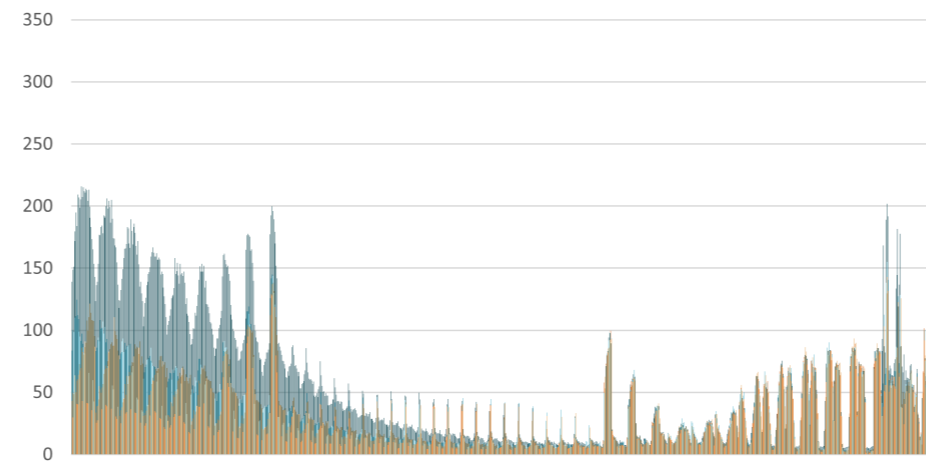


Annibale Alessandra
Chiesa Emily
Prelli Giulia

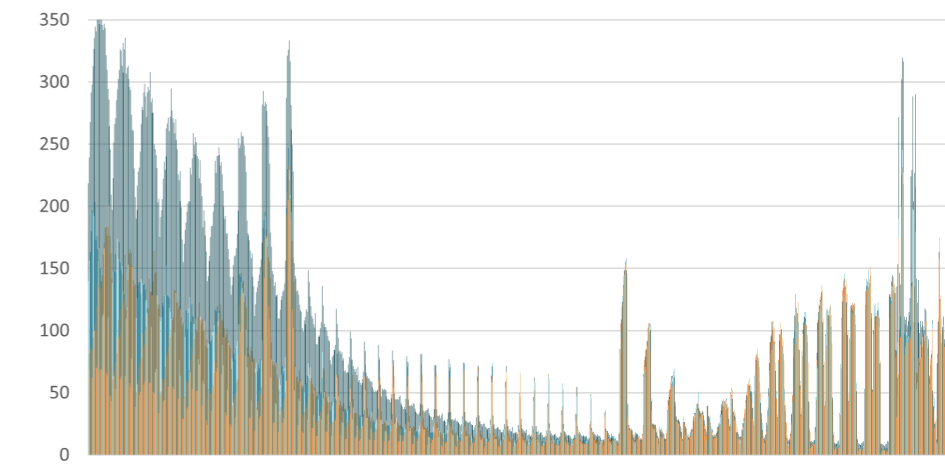
9.00



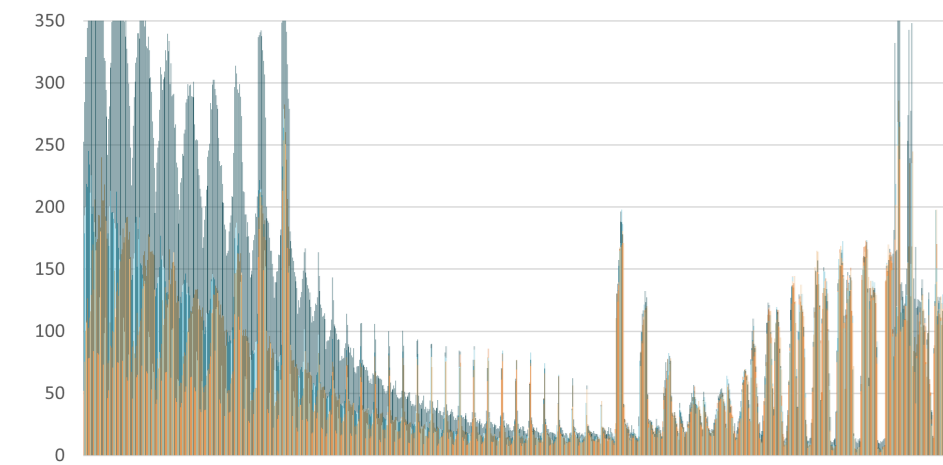
10.00



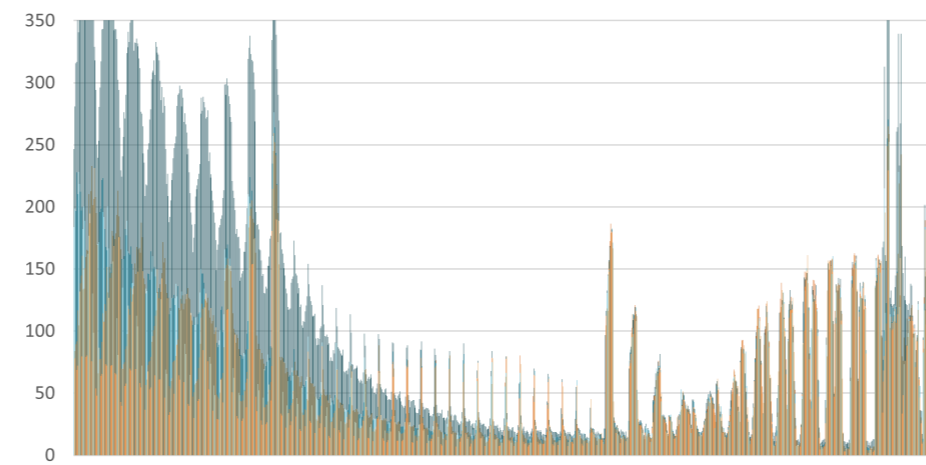
11.00



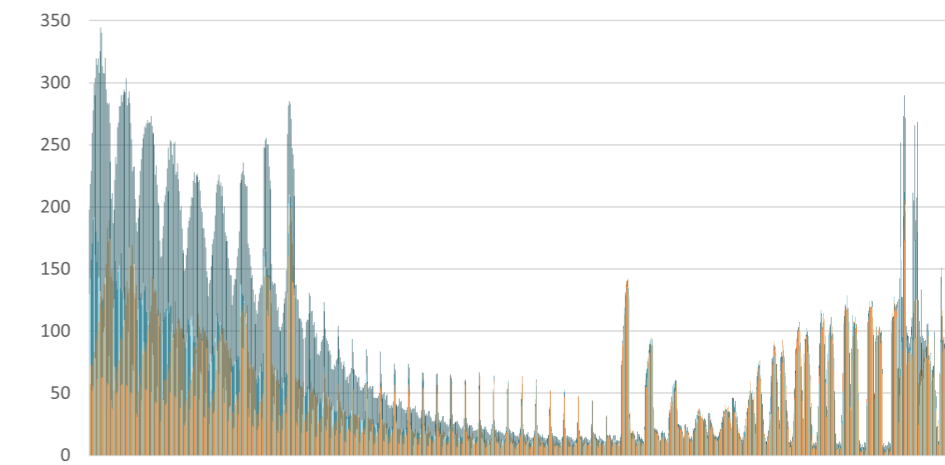
12.00



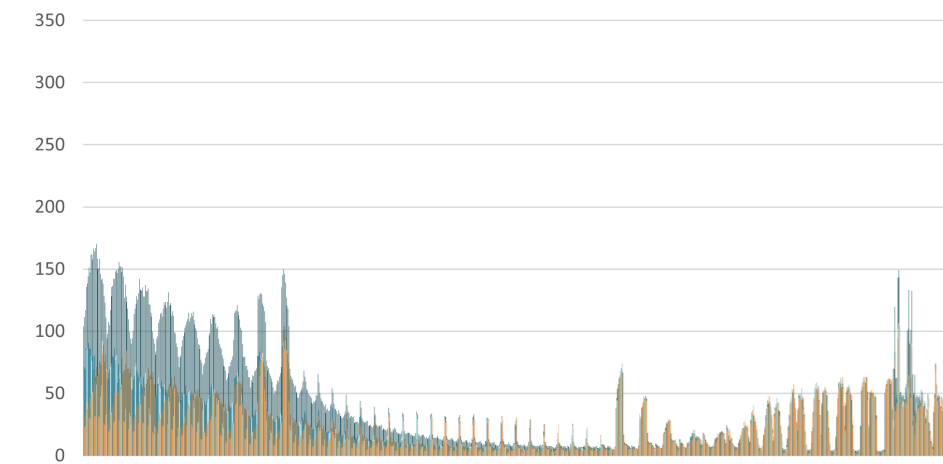
13.00



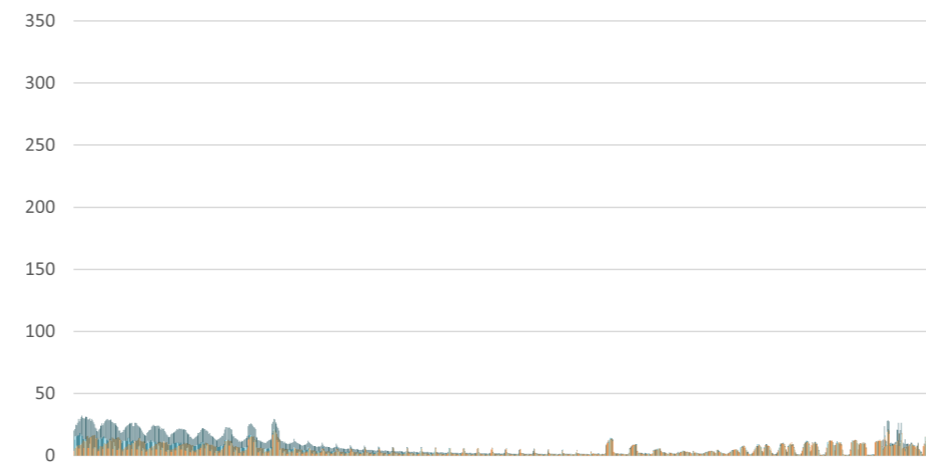
14.00



15.00



16.00



LEGENDA

- CP1
- CP2
- CP3
- CP4

237 CONFRONTO RISULTATI
21 DICEMBRE - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

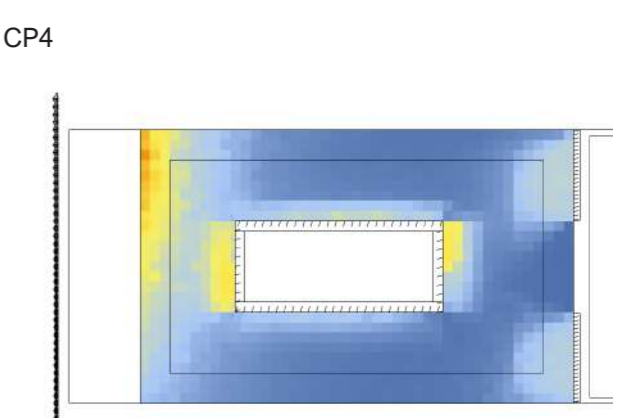
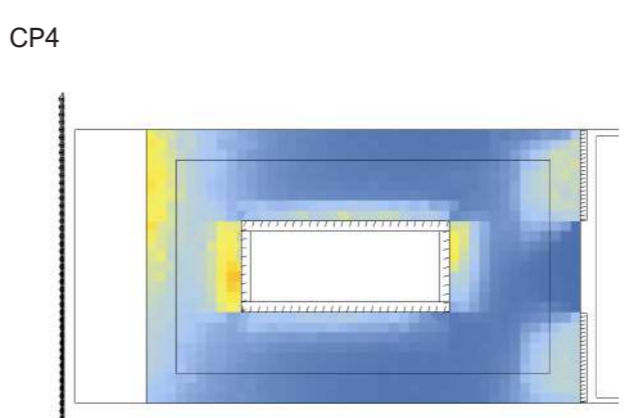
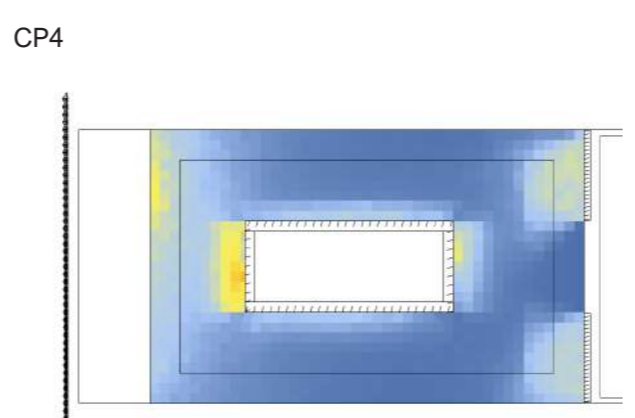
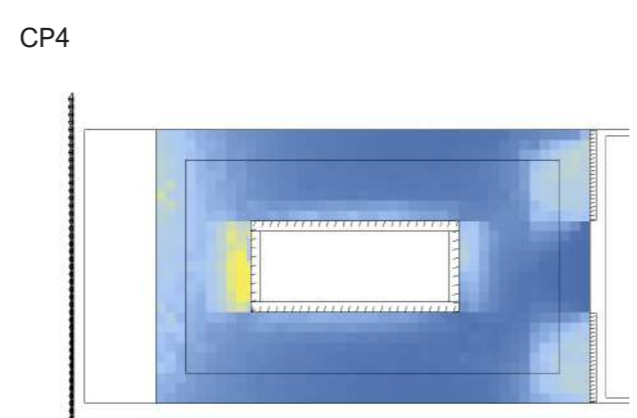
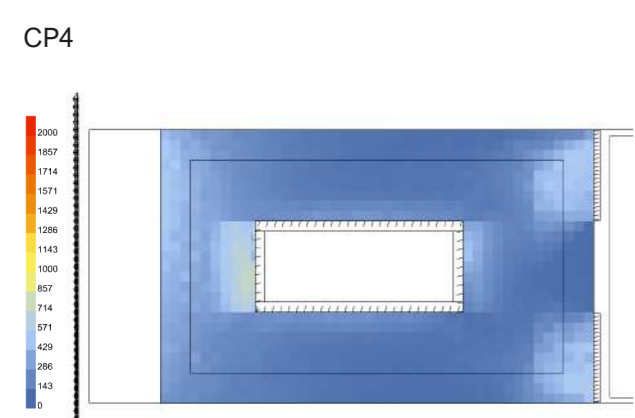
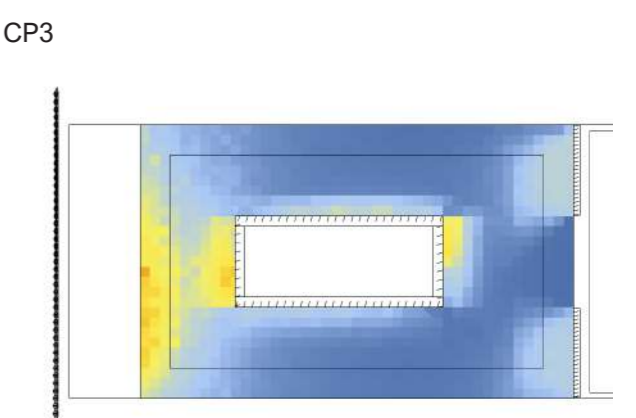
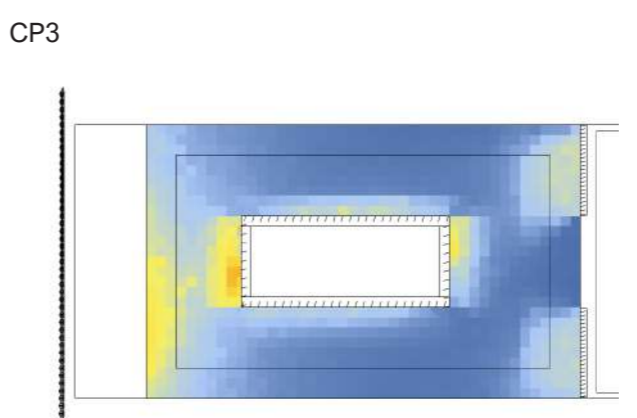
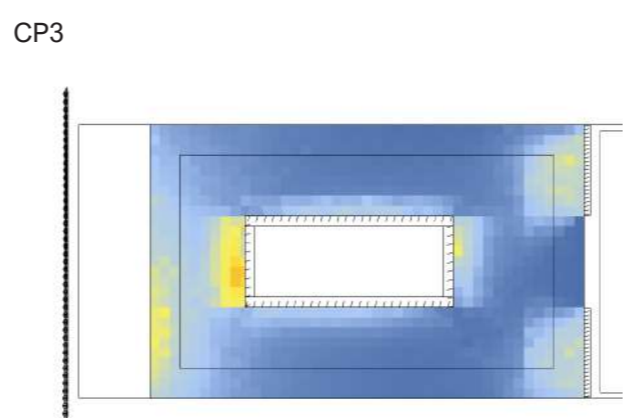
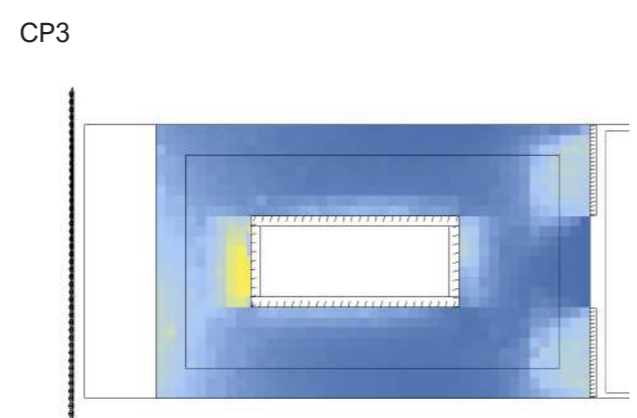
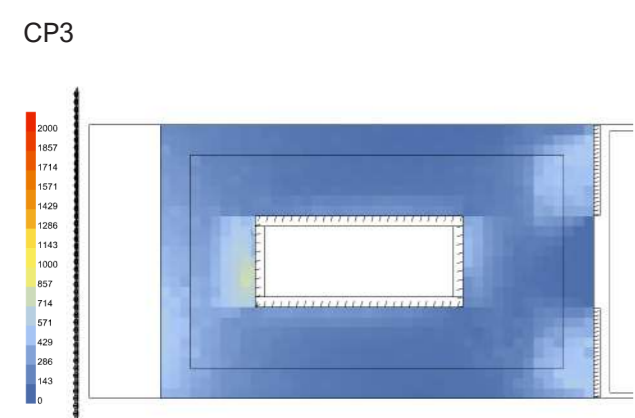
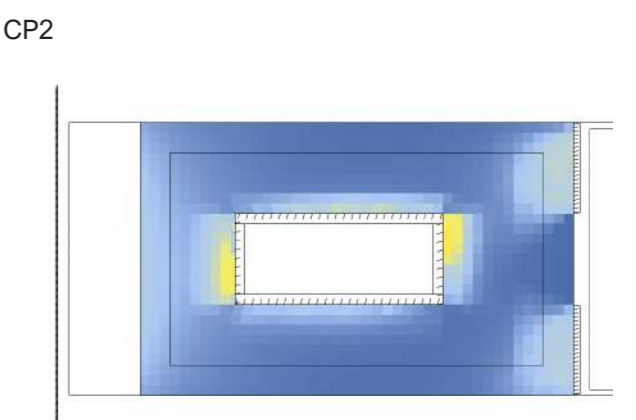
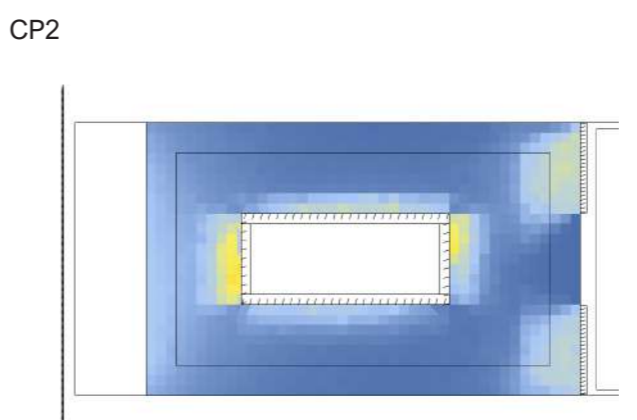
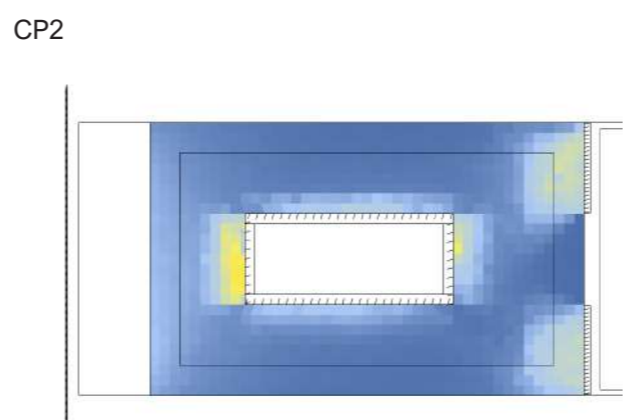
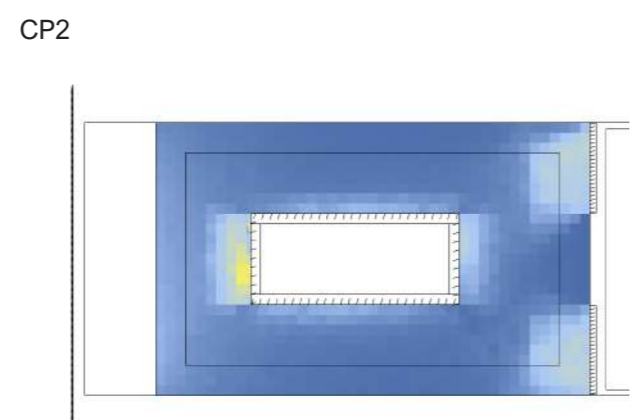
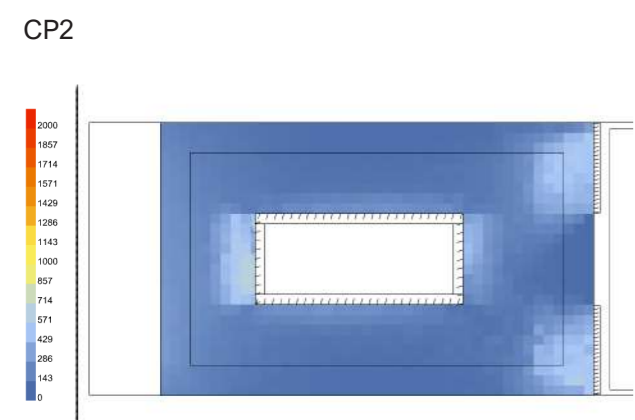
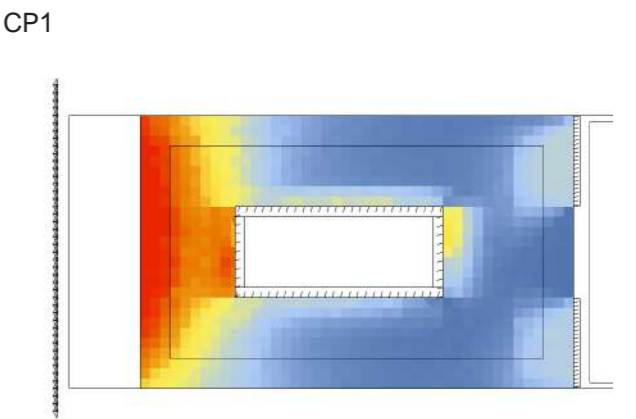
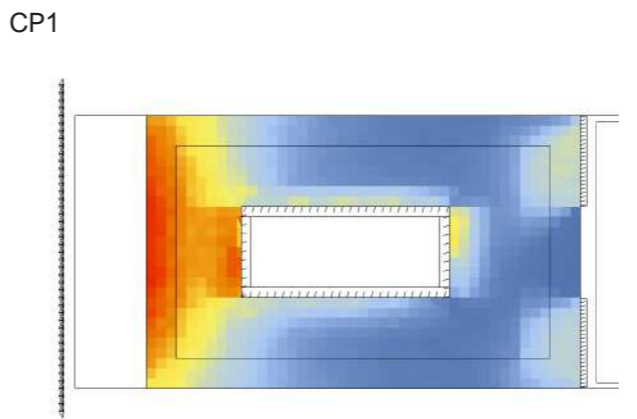
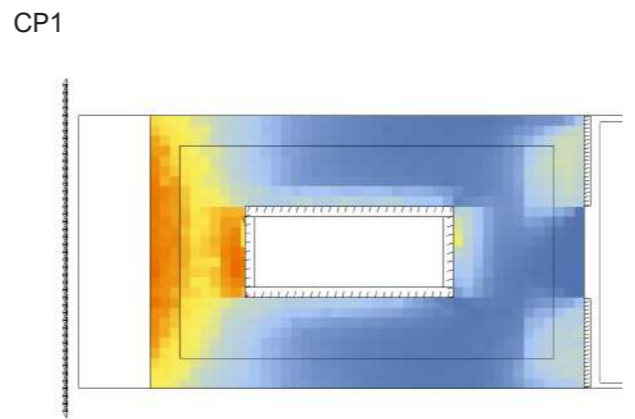
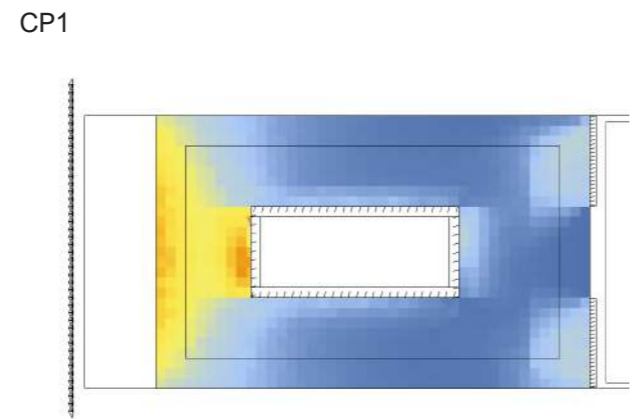
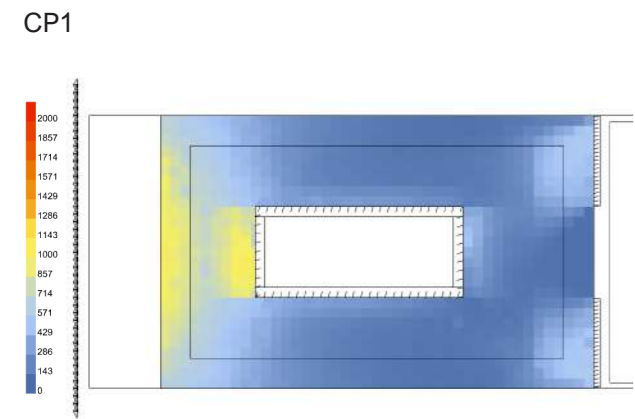
9.00

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13.00



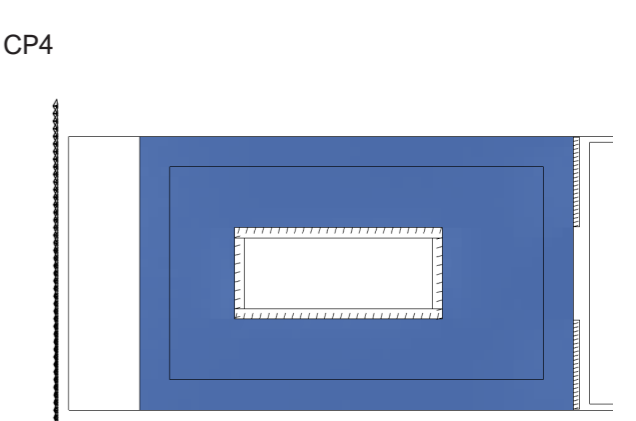
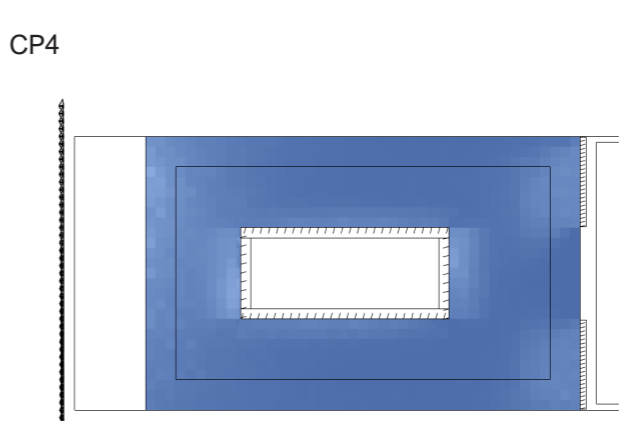
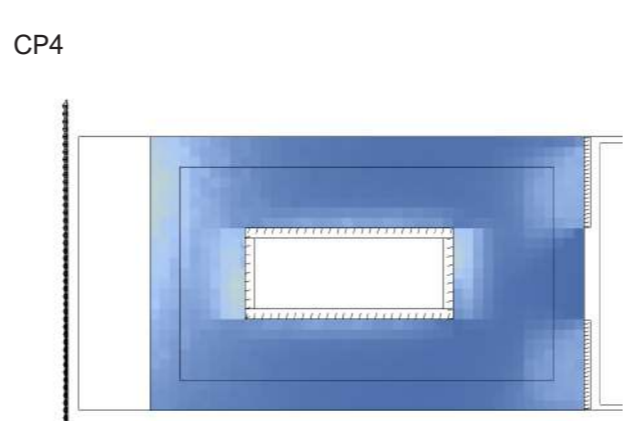
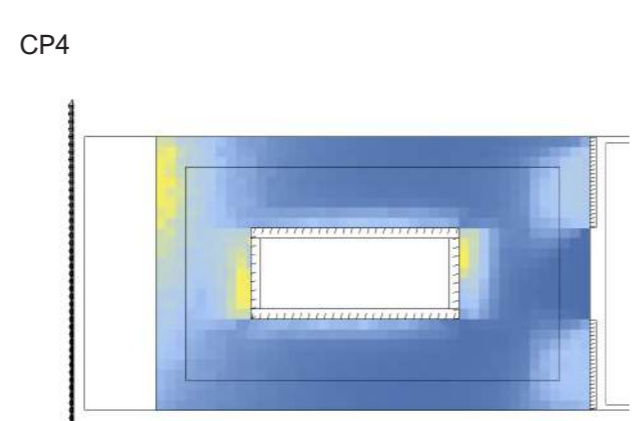
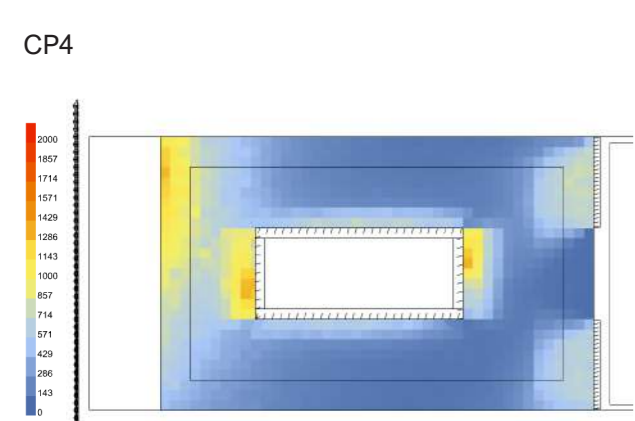
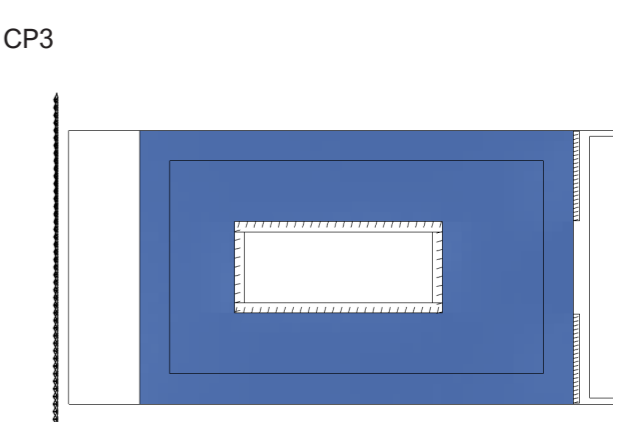
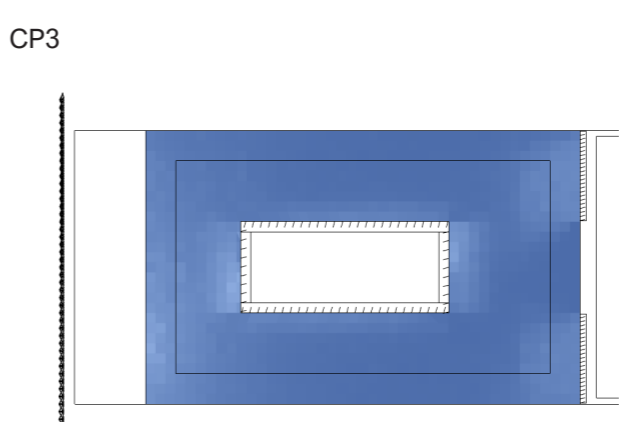
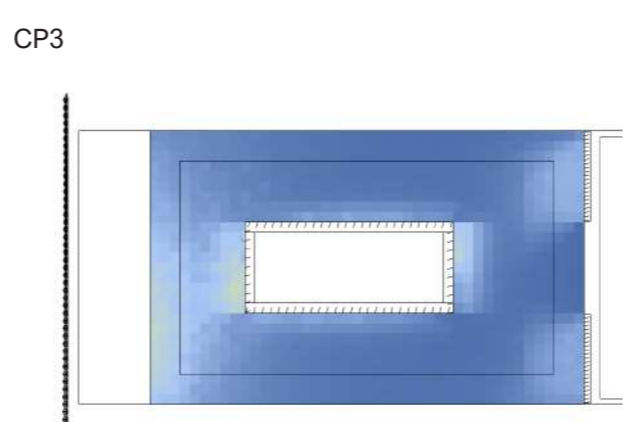
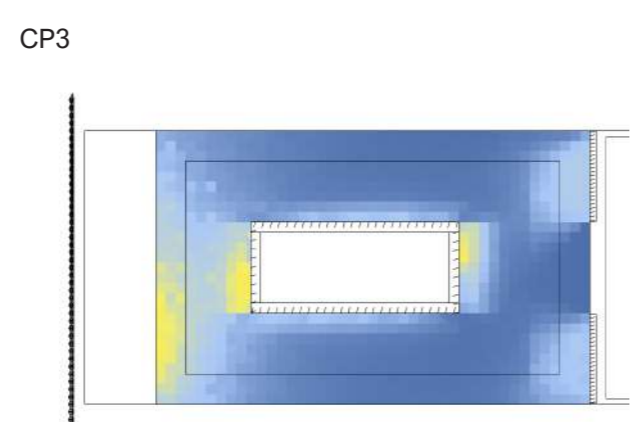
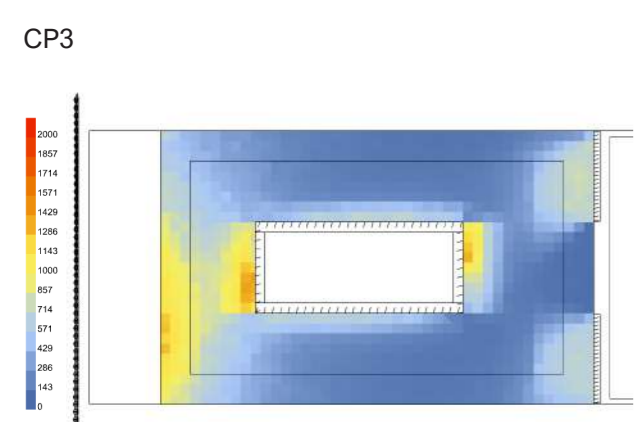
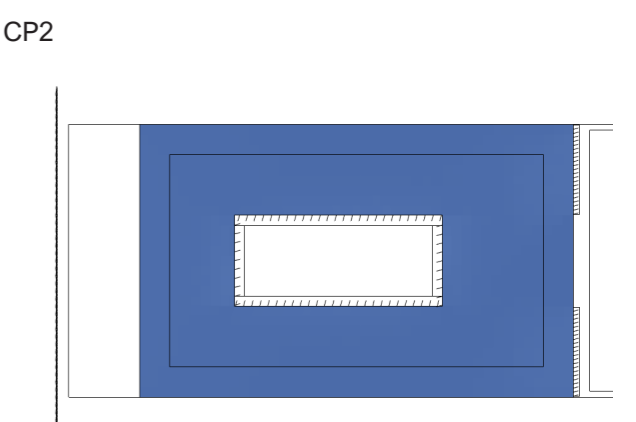
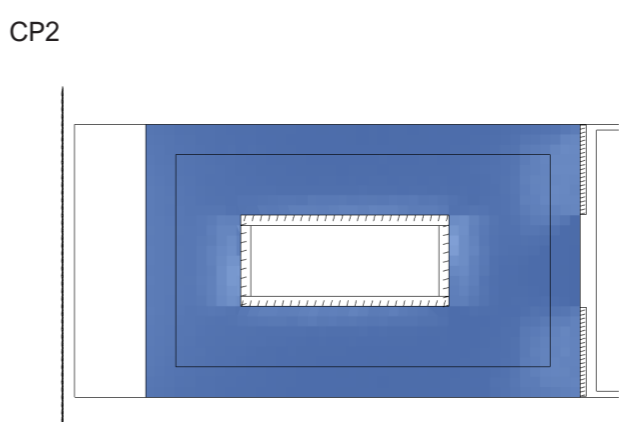
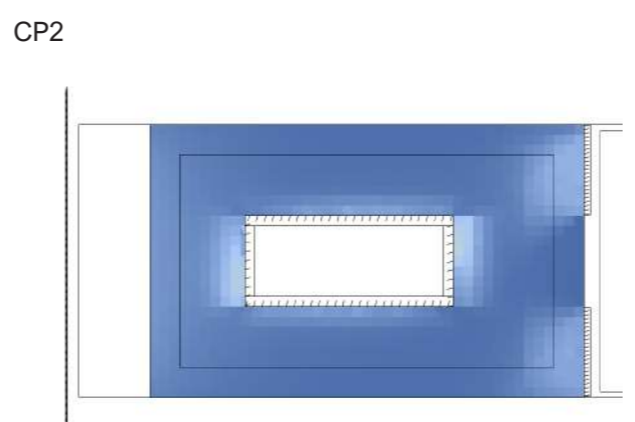
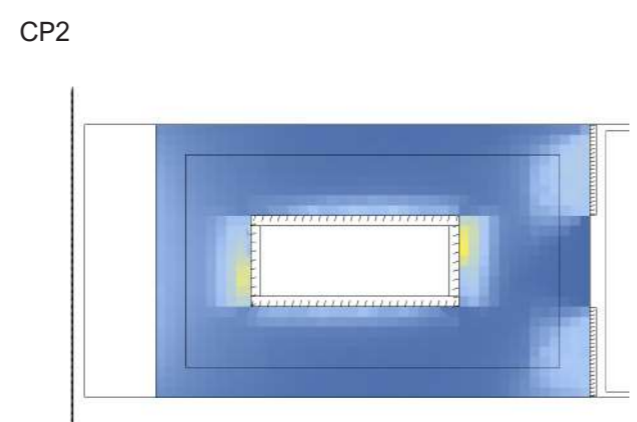
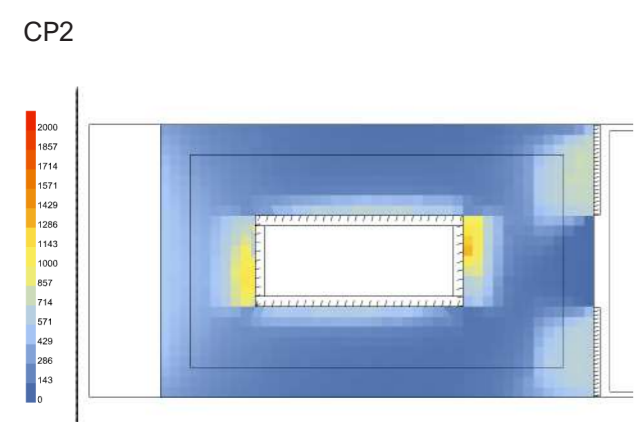
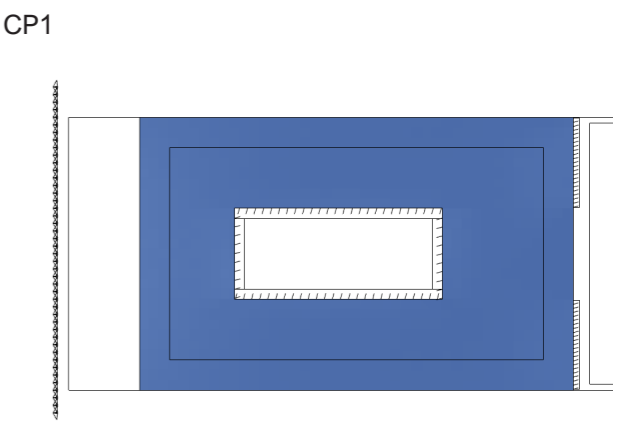
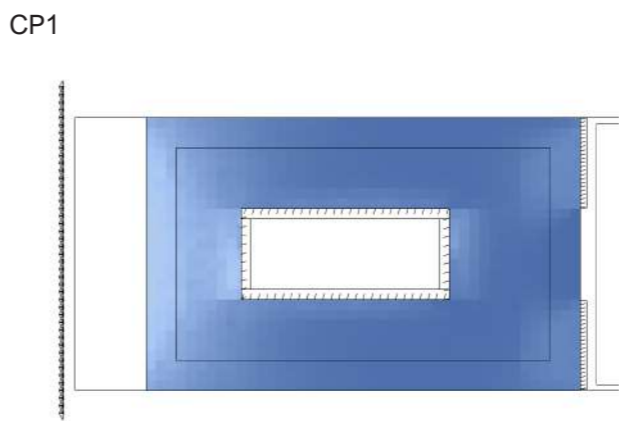
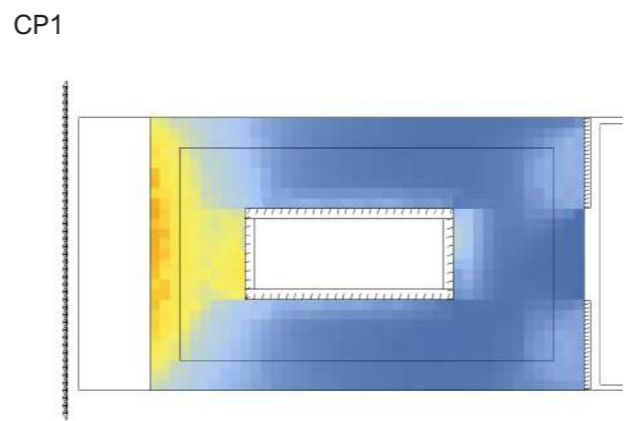
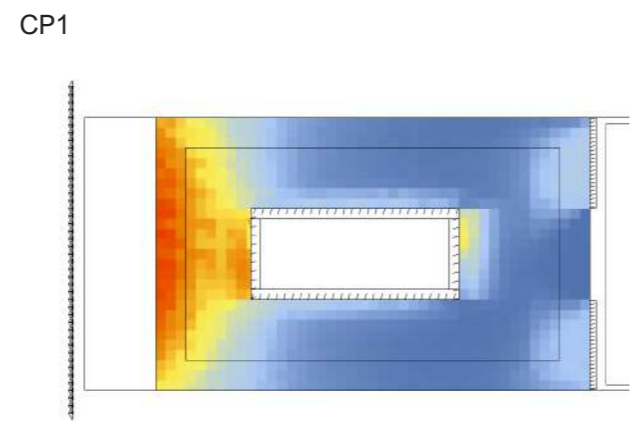
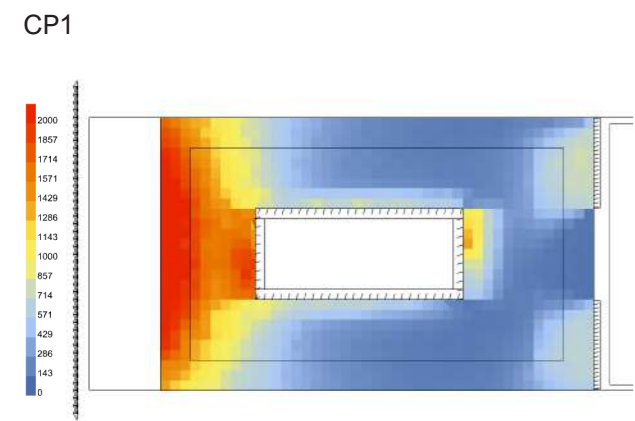
14.00

15.00

16.00

17.00

18.00



239 SCELTA CONFIGURAZIONE
21 MARZO - P1

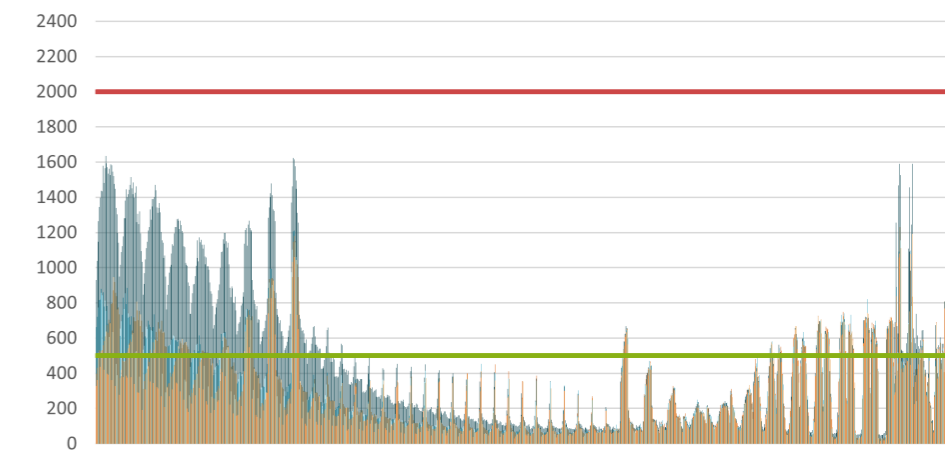
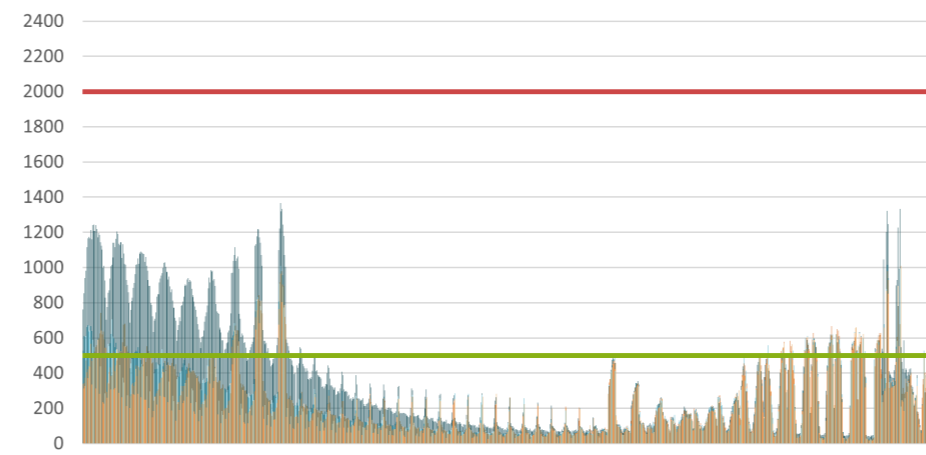
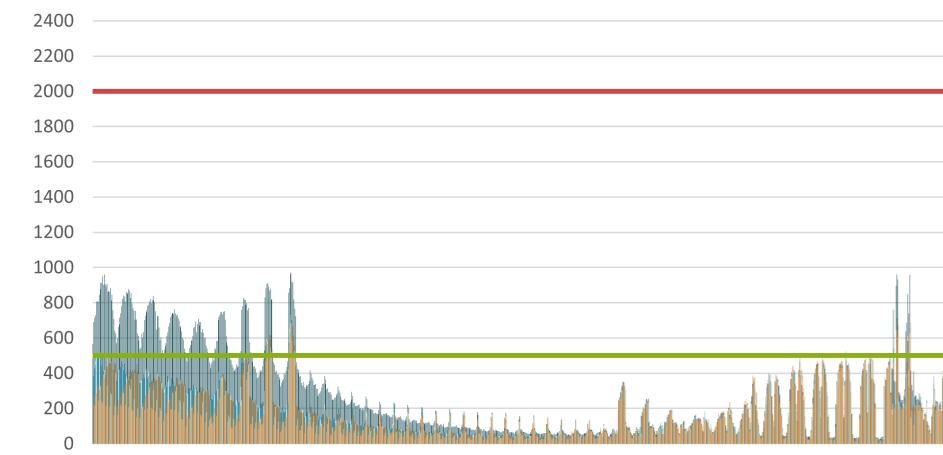


Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

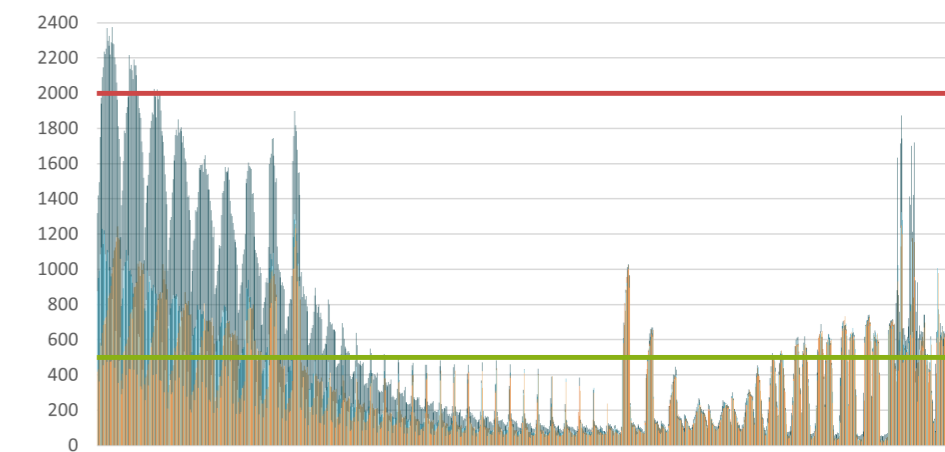
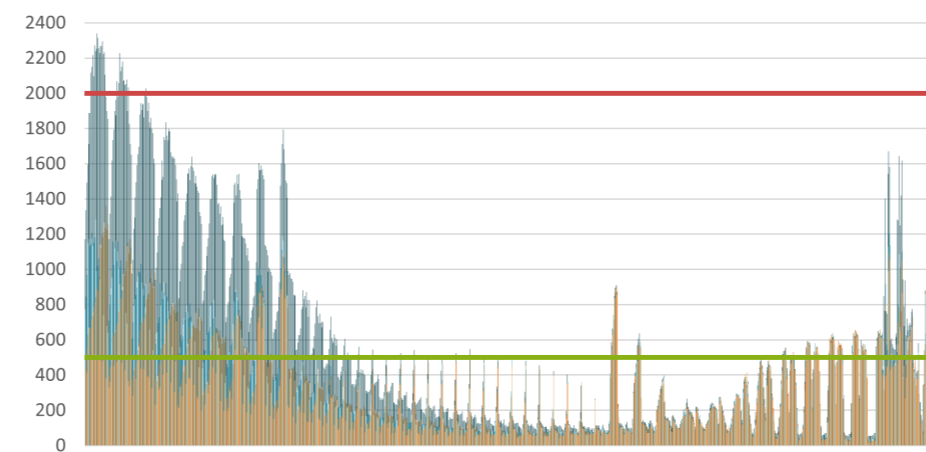
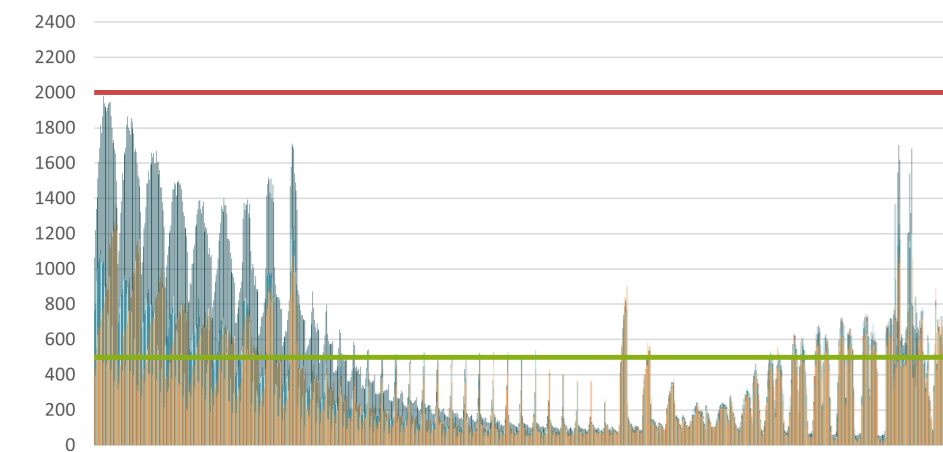
11.00



12.00

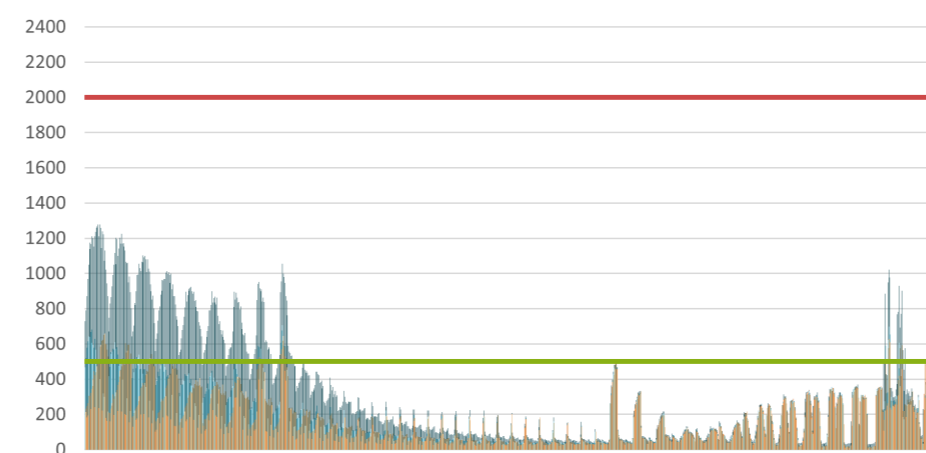
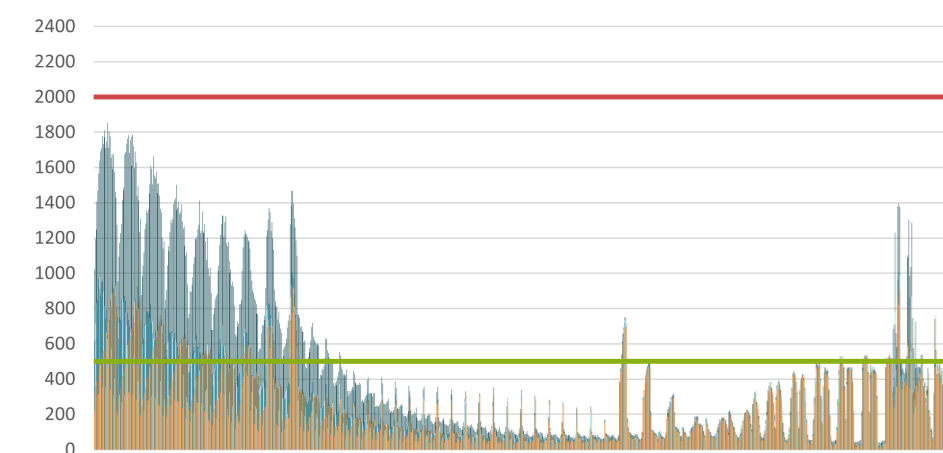
13.00

14.00



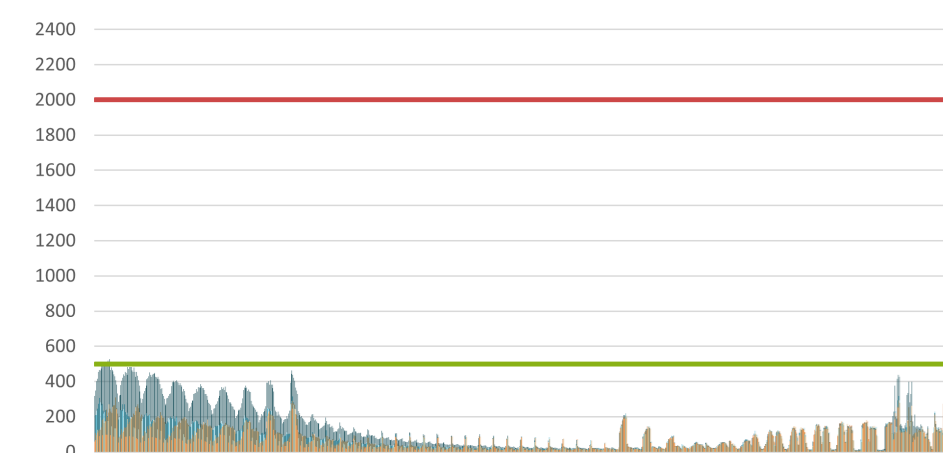
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

240 CONFRONTO RISULTATI
21 MARZO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

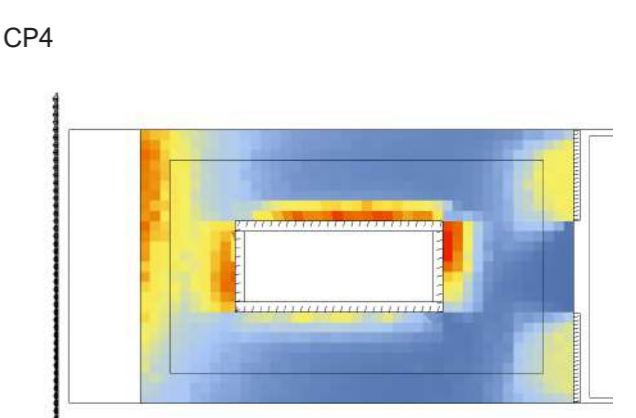
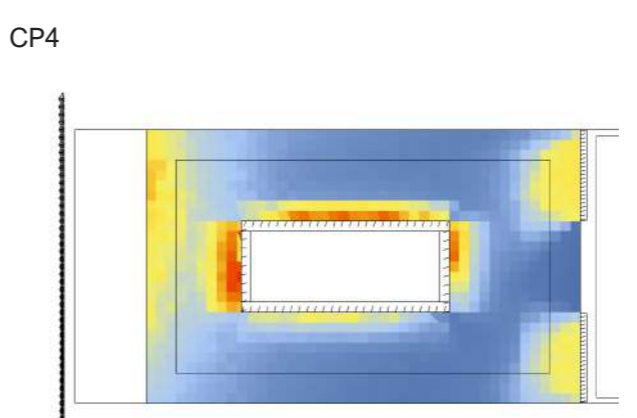
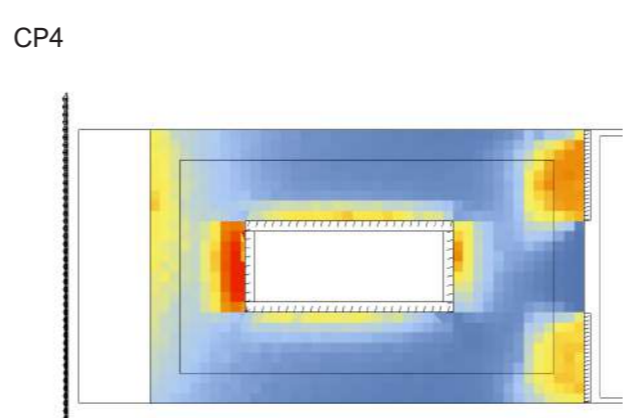
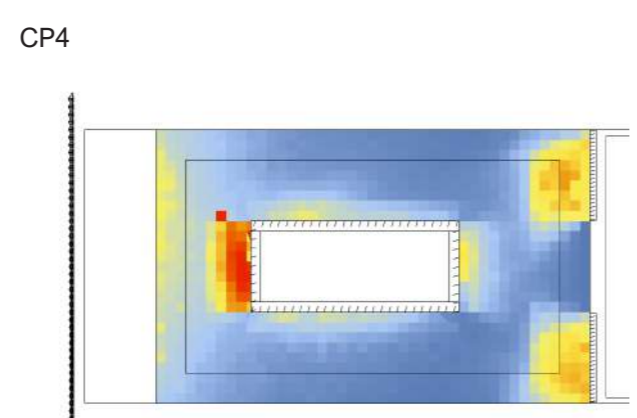
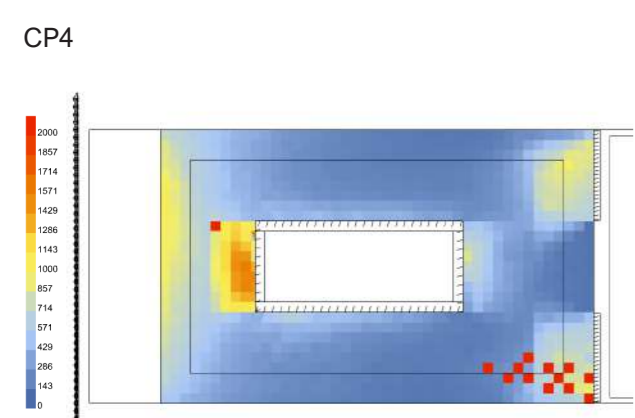
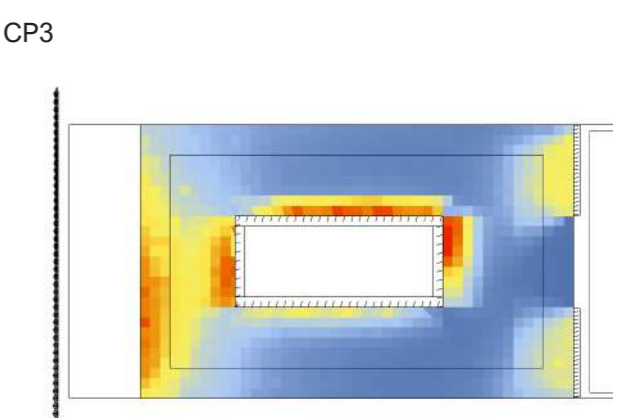
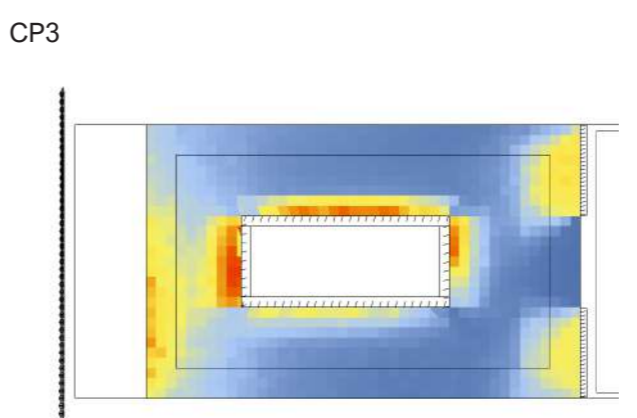
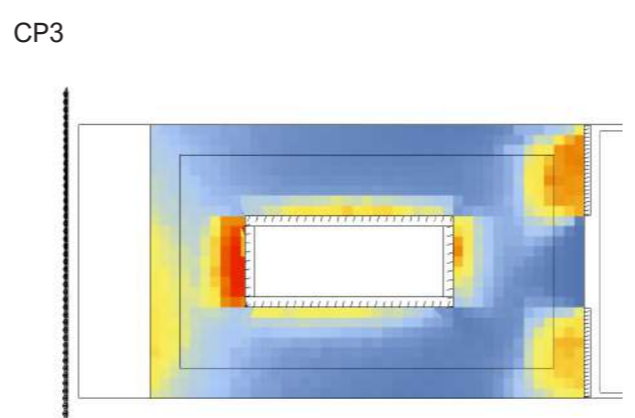
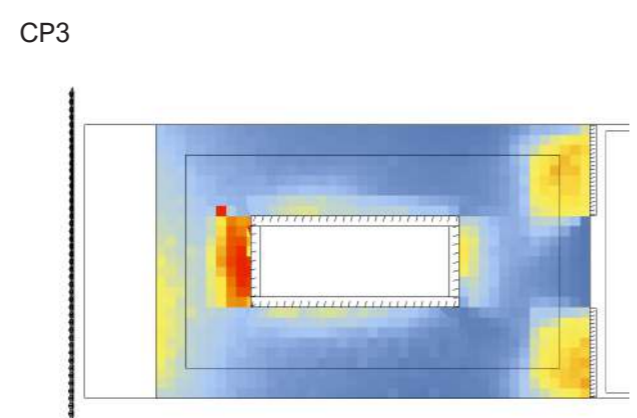
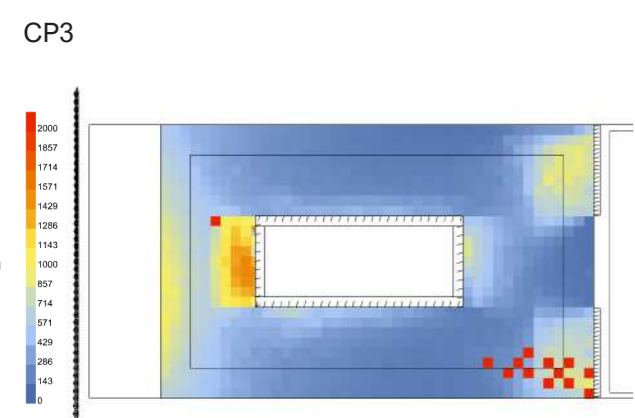
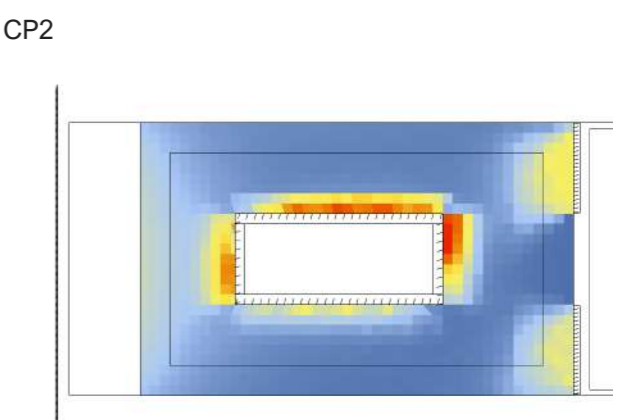
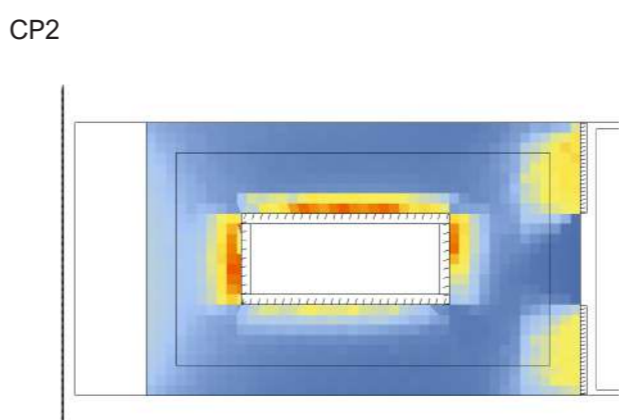
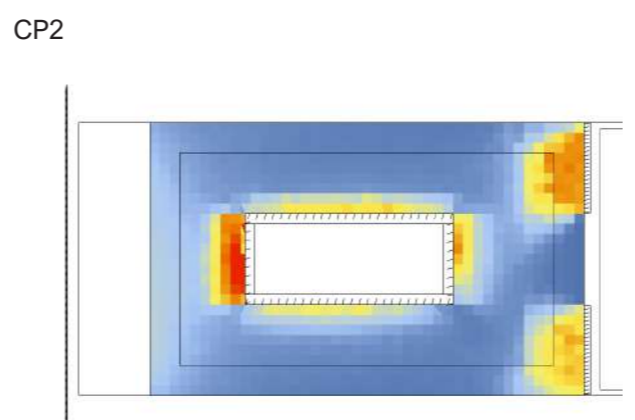
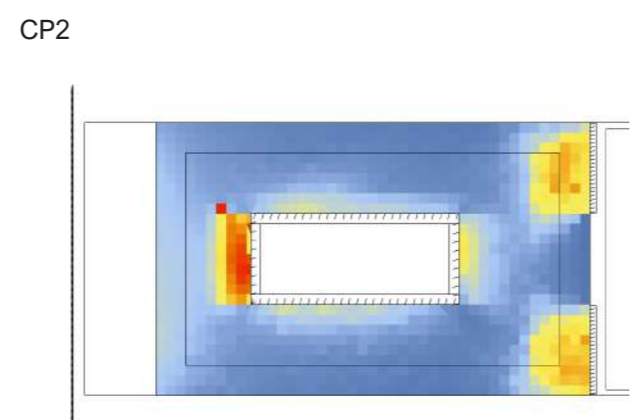
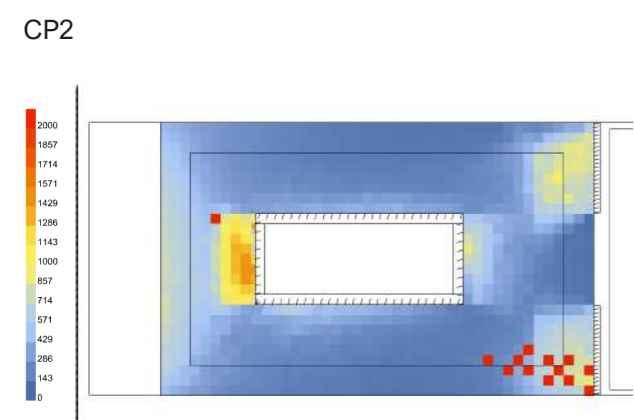
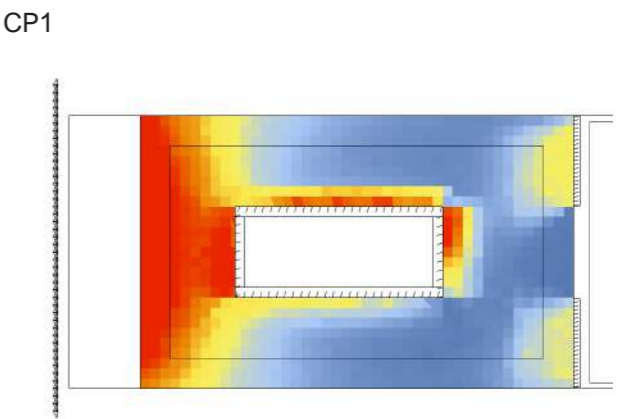
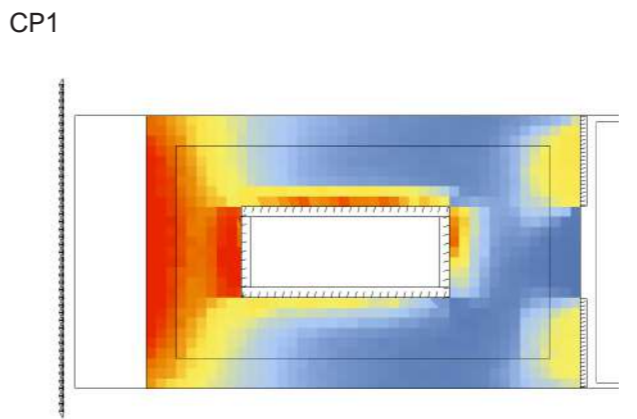
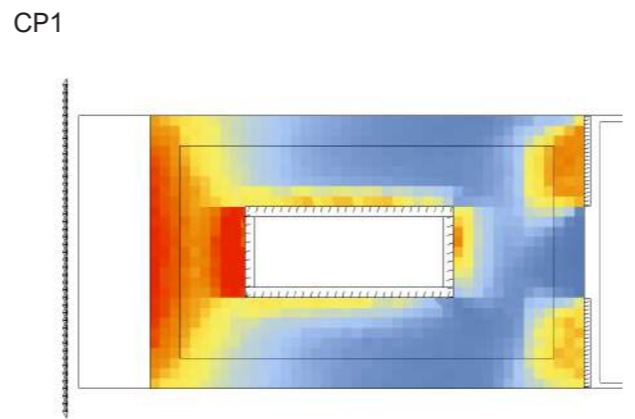
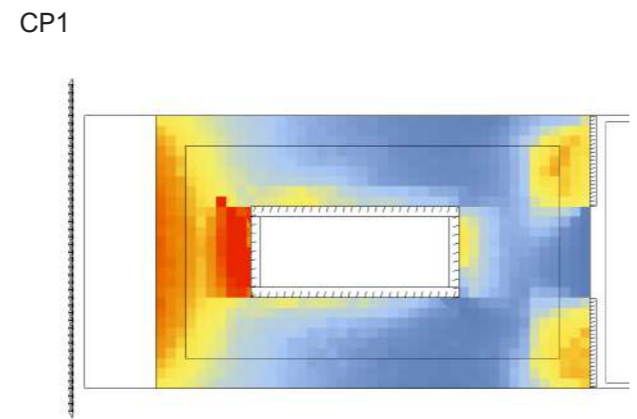
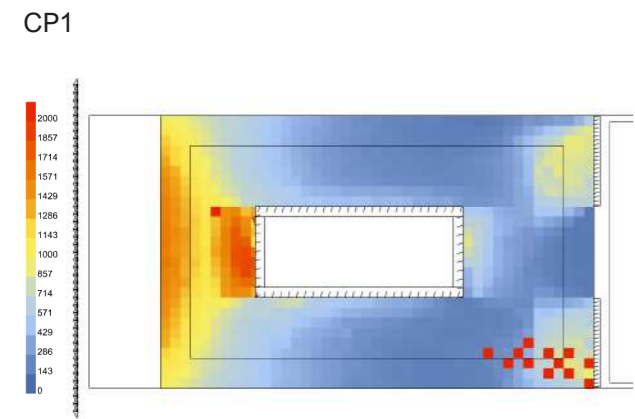
9.00

10.00

11.00

12.00

13.00



241 SCELTA CONFIGURAZIONE
21 GIUGNO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

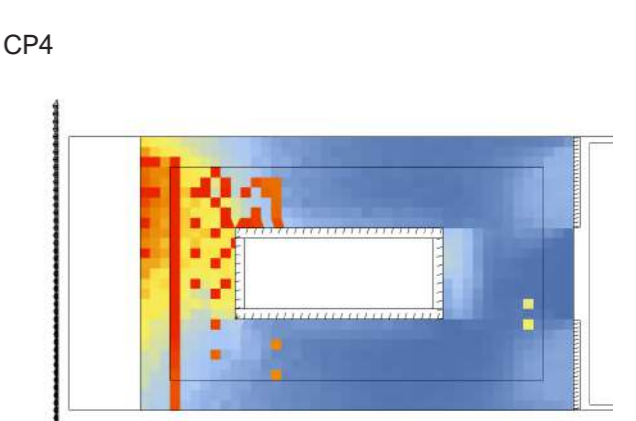
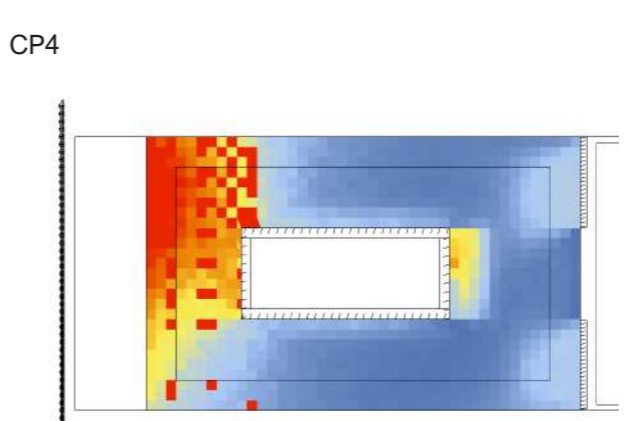
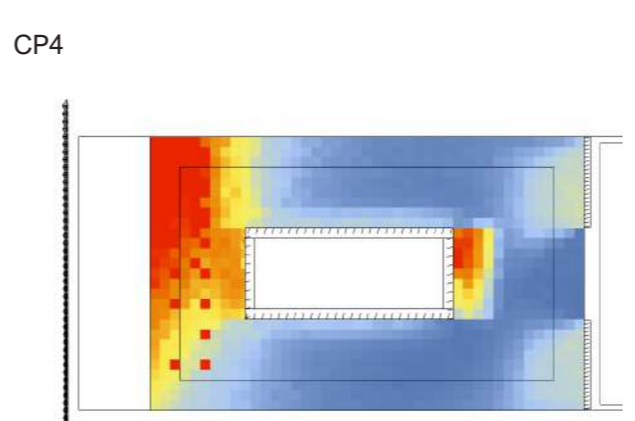
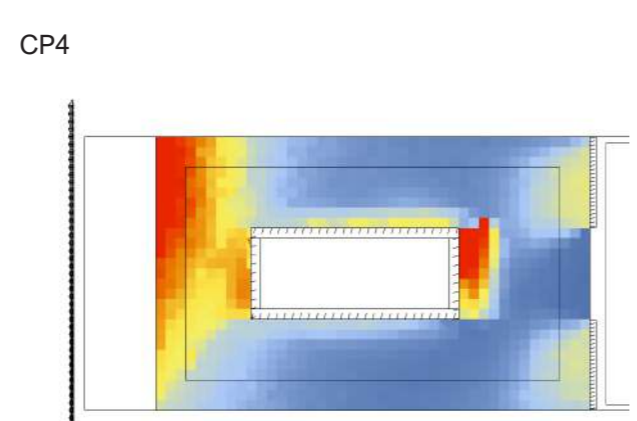
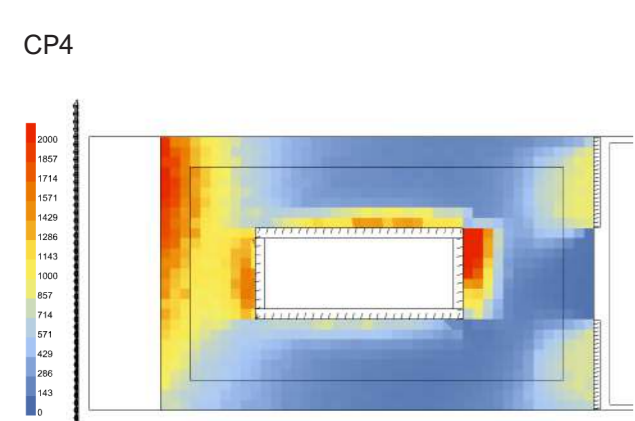
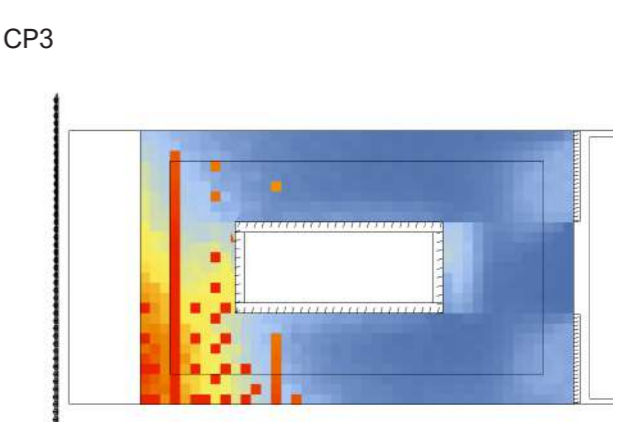
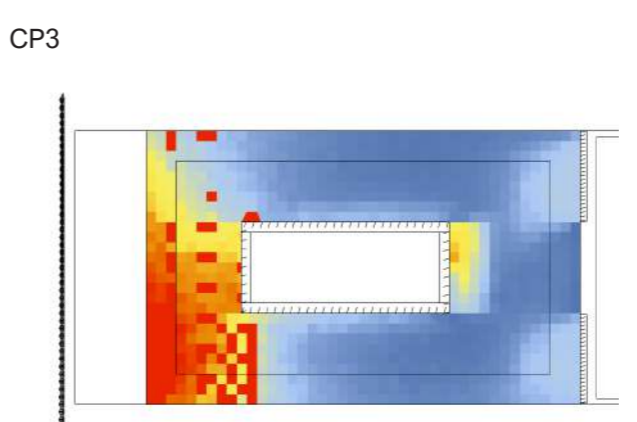
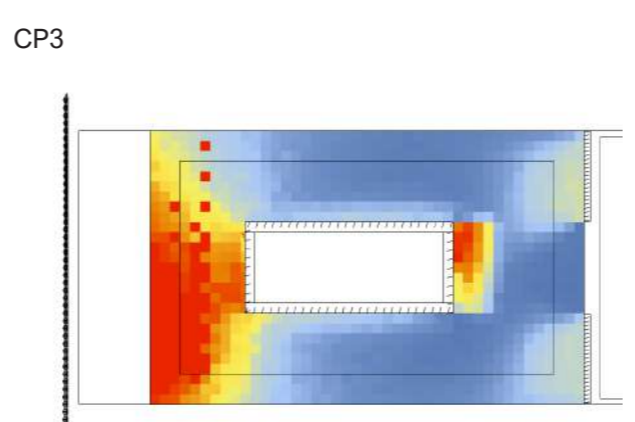
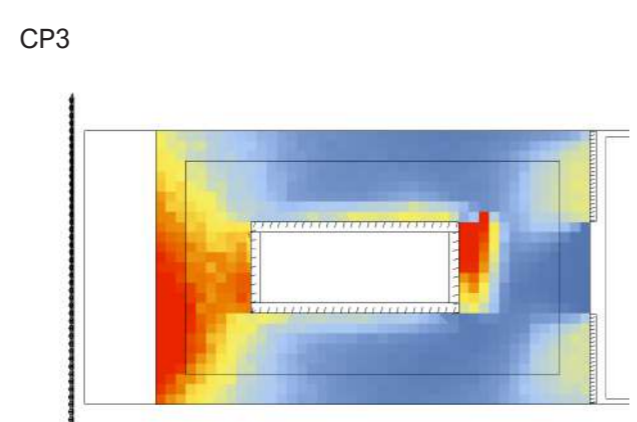
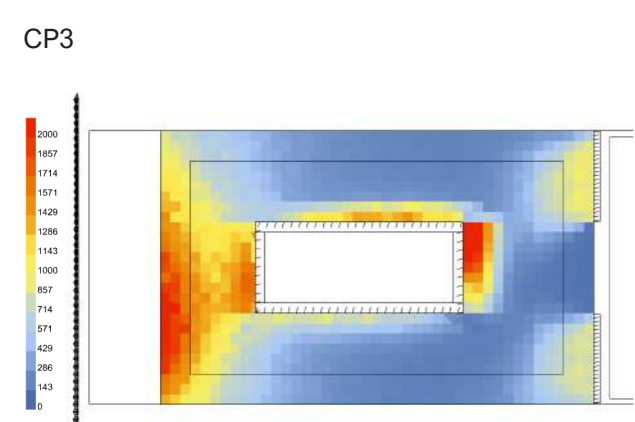
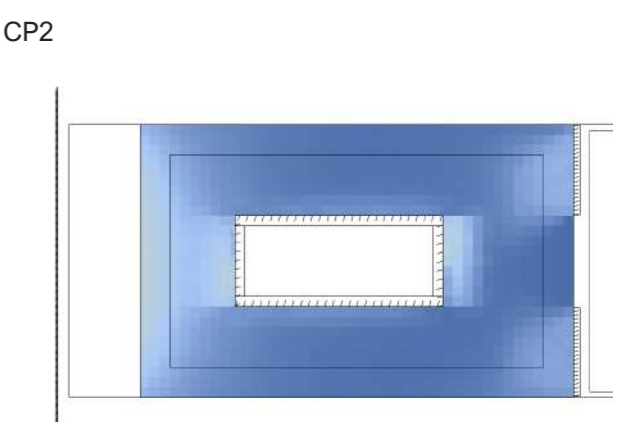
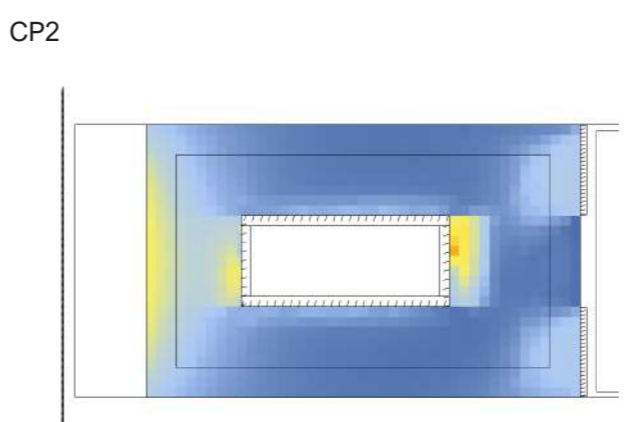
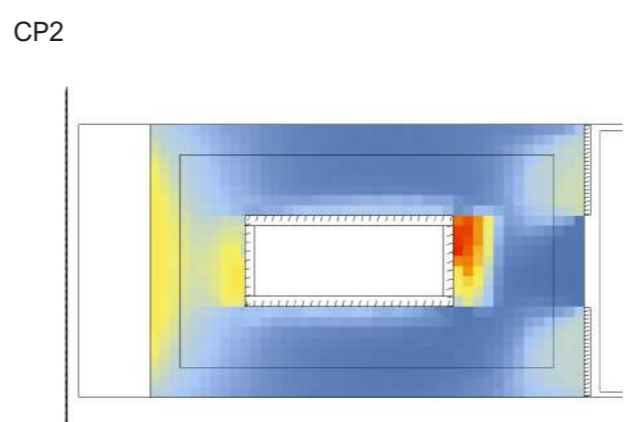
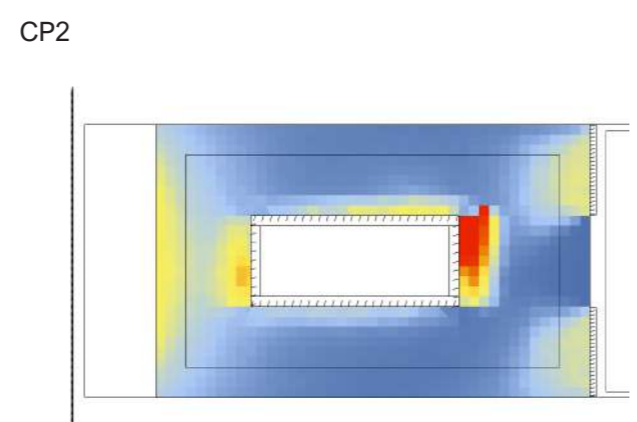
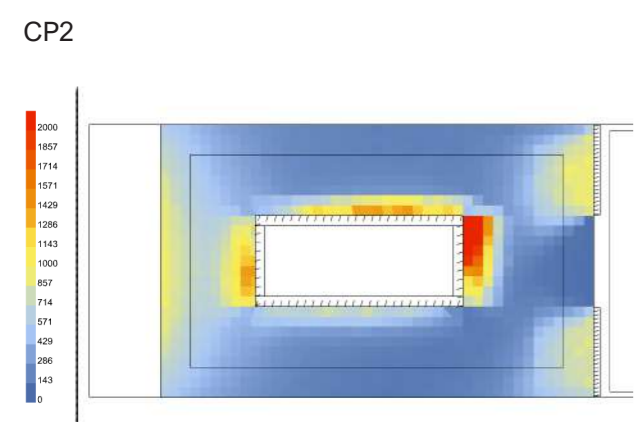
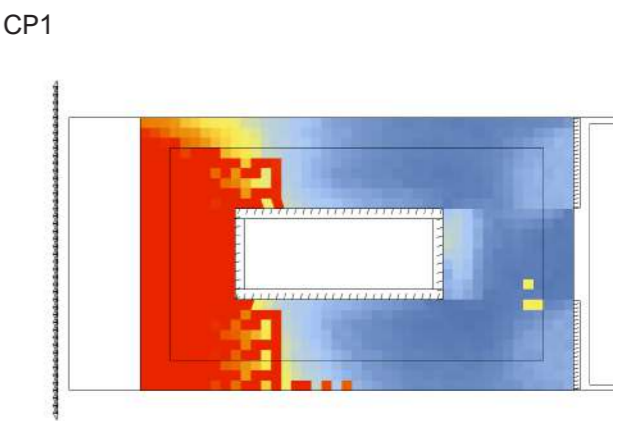
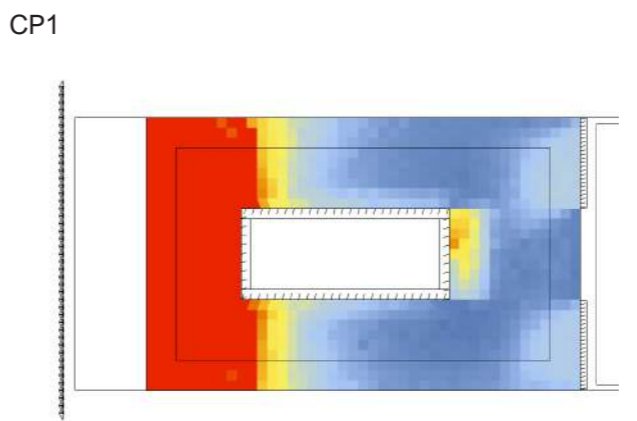
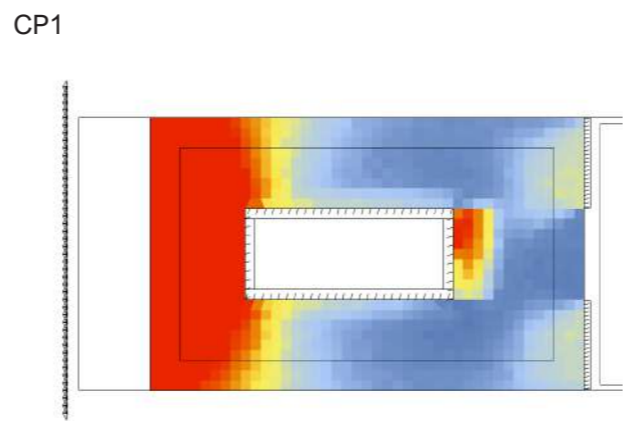
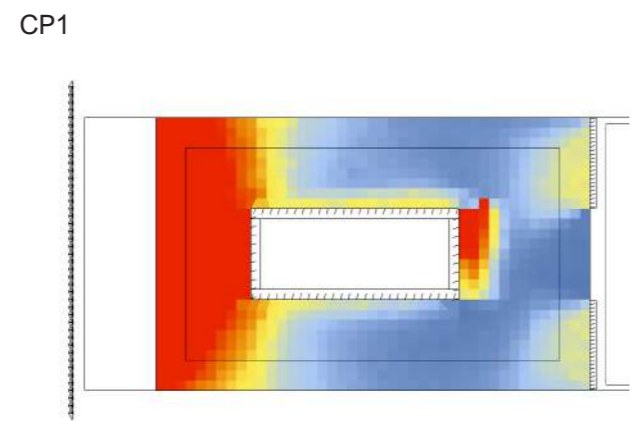
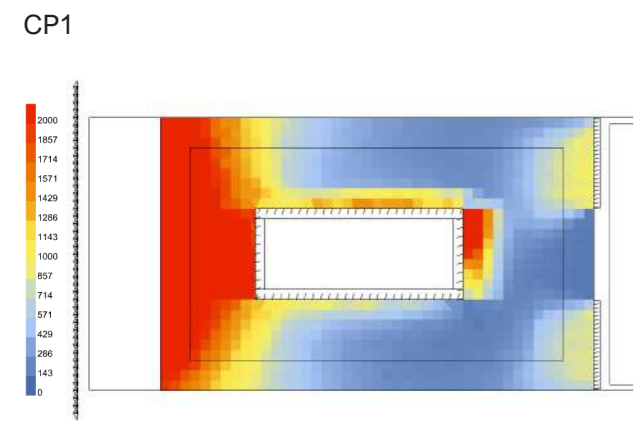
14.00

15.00

16.00

17.00

18.00



242 SCELTA CONFIGURAZIONE
21 GIUGNO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

17.00

18.00

LEGENDA

CP1

CP2

CP3

CP4

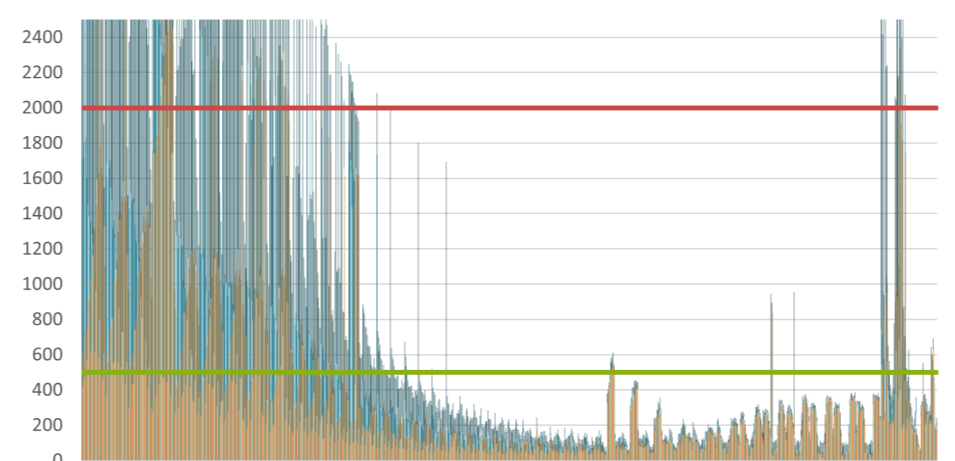
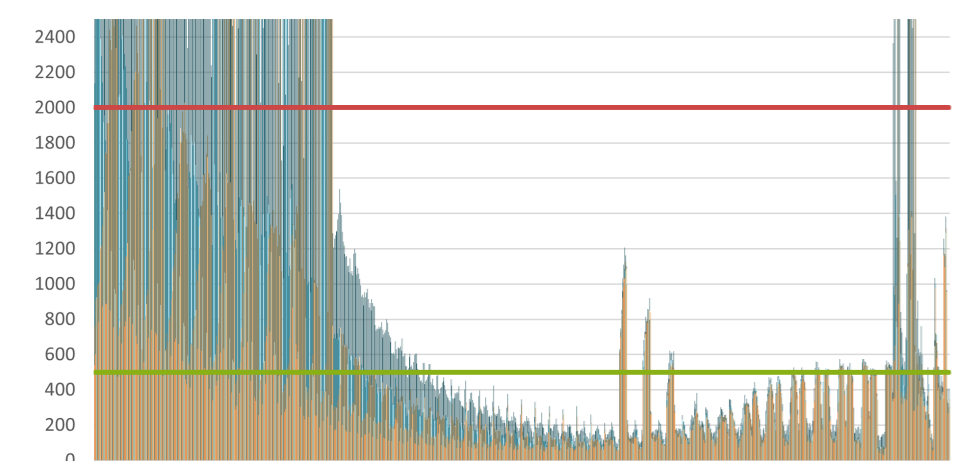
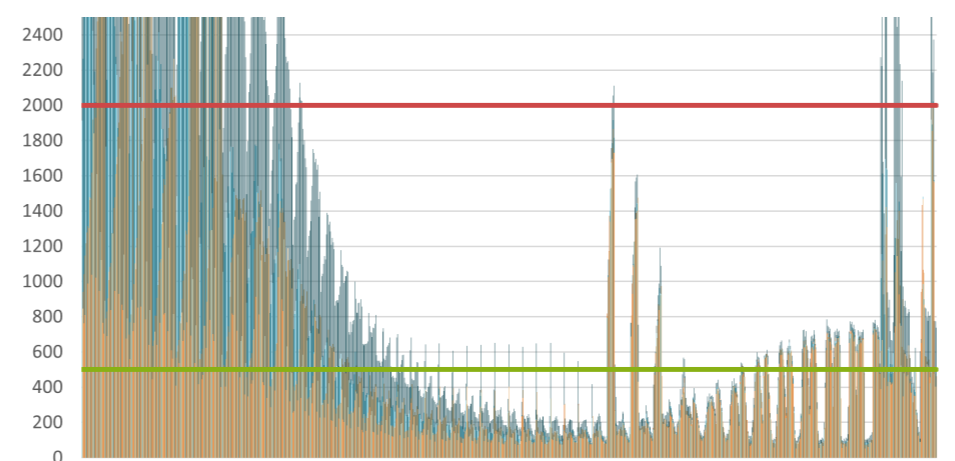
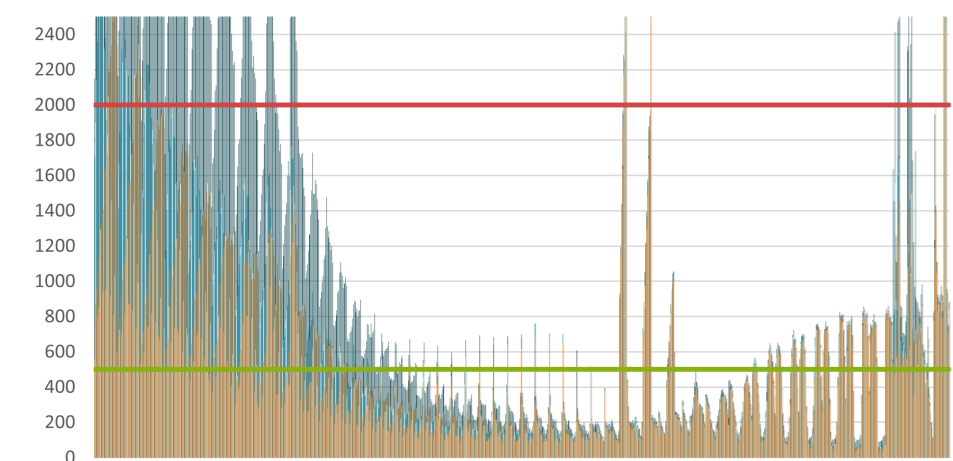
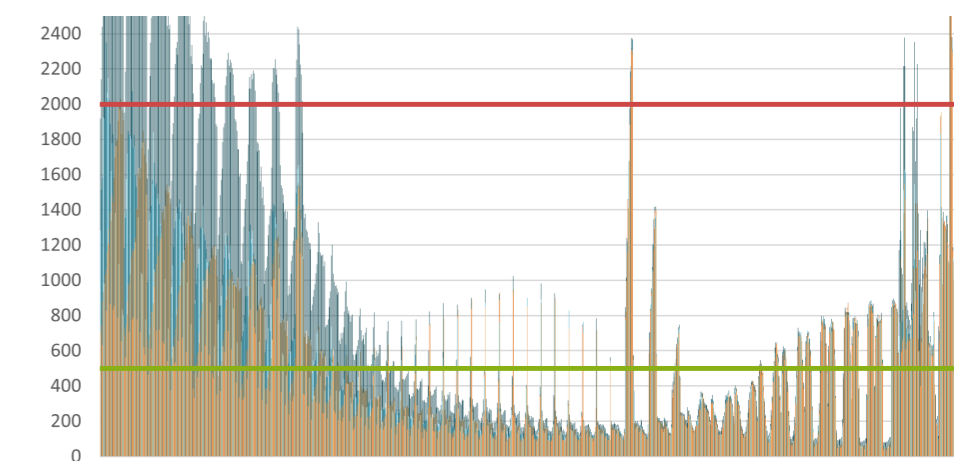
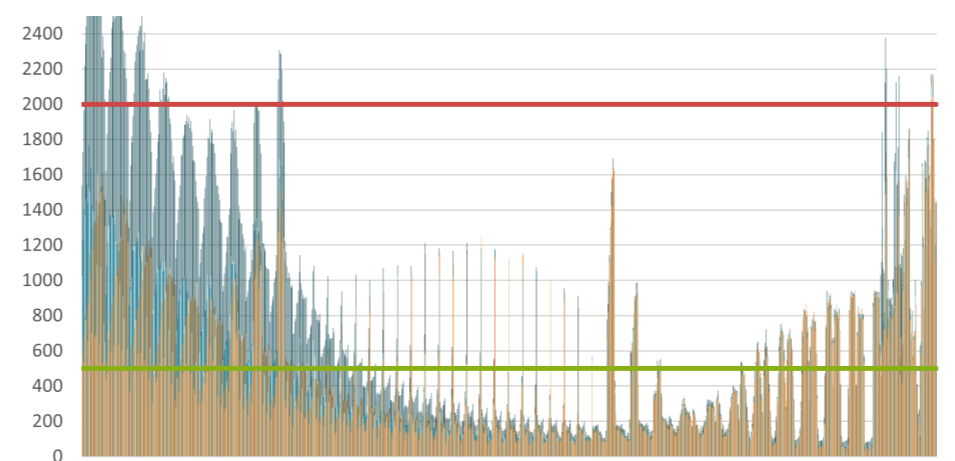
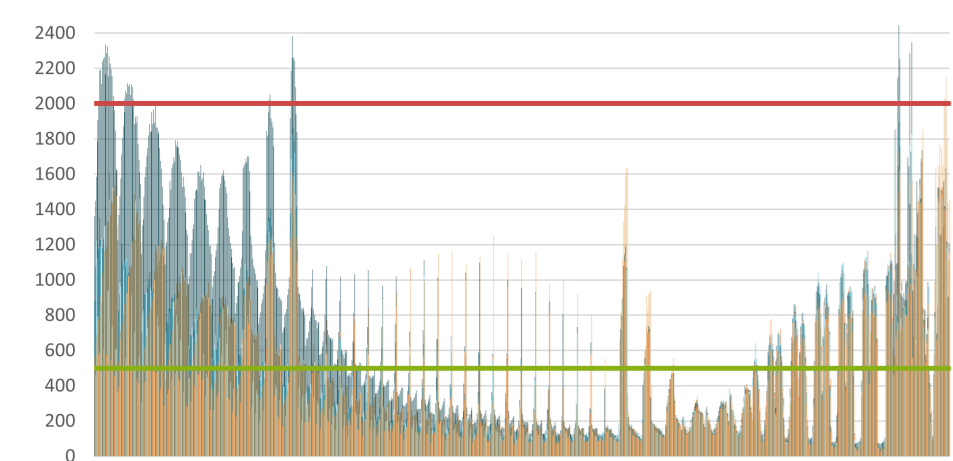
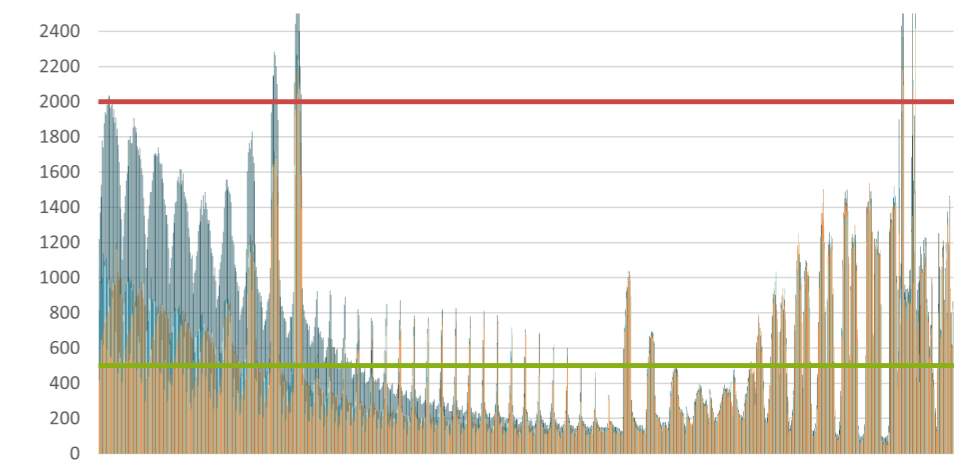
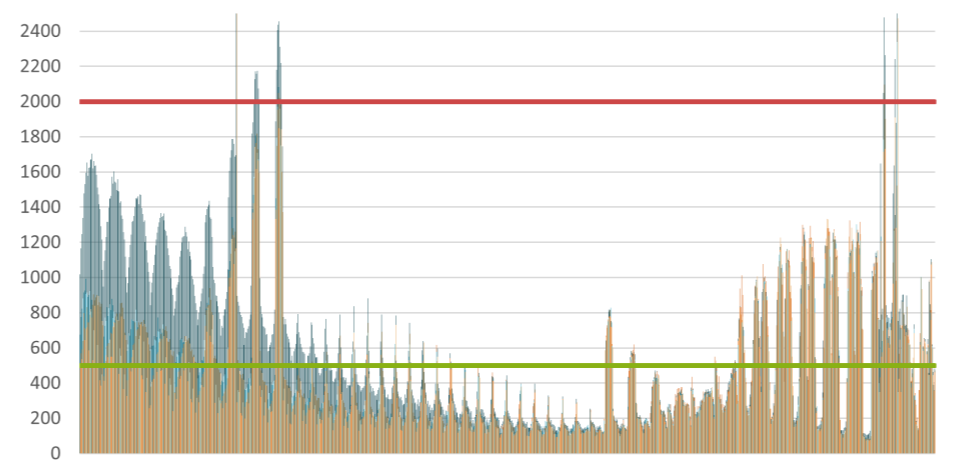
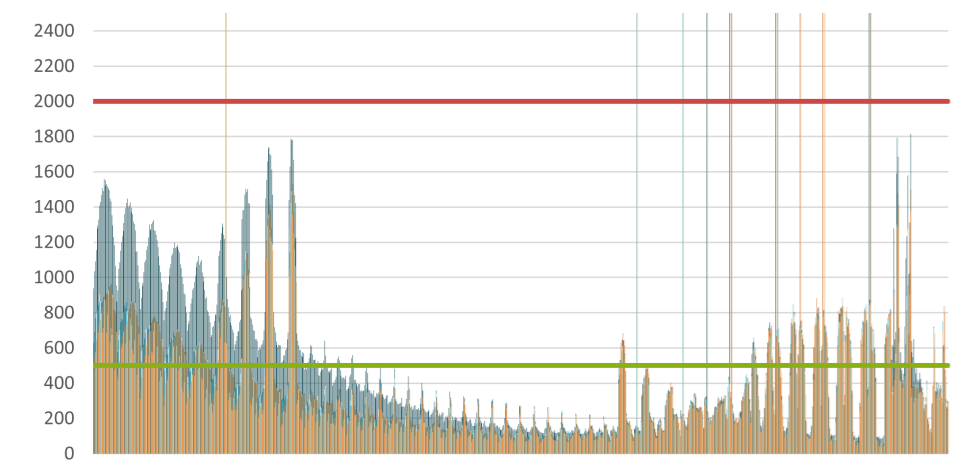
Max 2000 lux

Min 500 lux

243 CONFRONTO RISULTATI
21 GIUGNO - P1



Annibale Alessandra
Chiesa Emily
Prelli Giulia



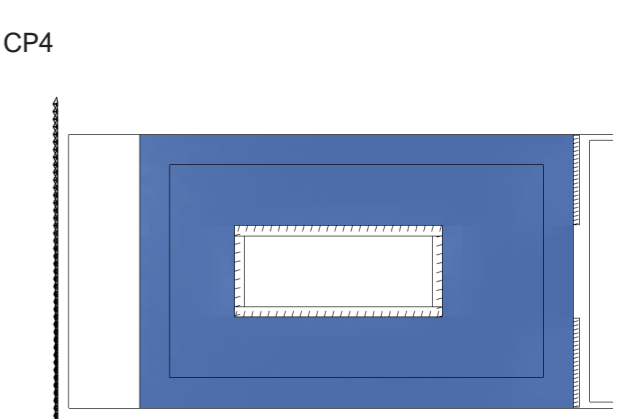
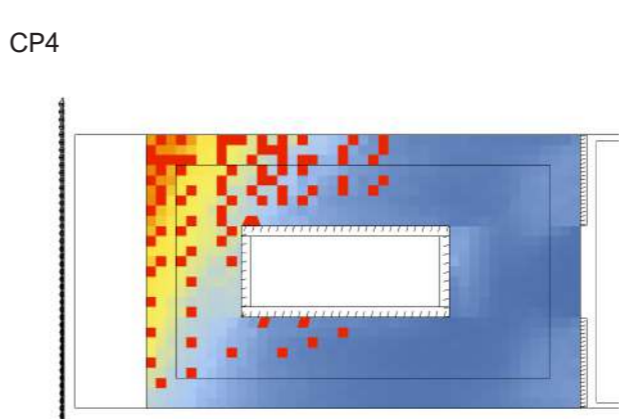
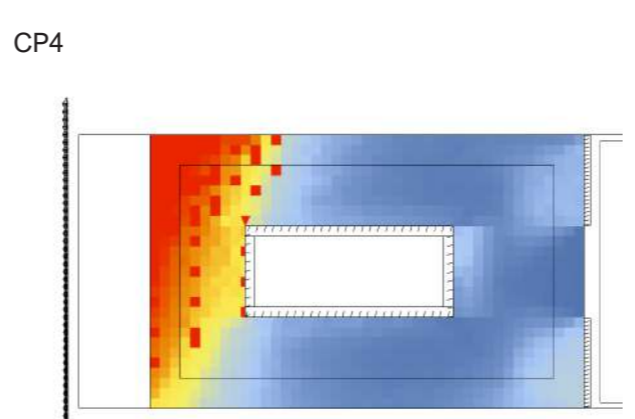
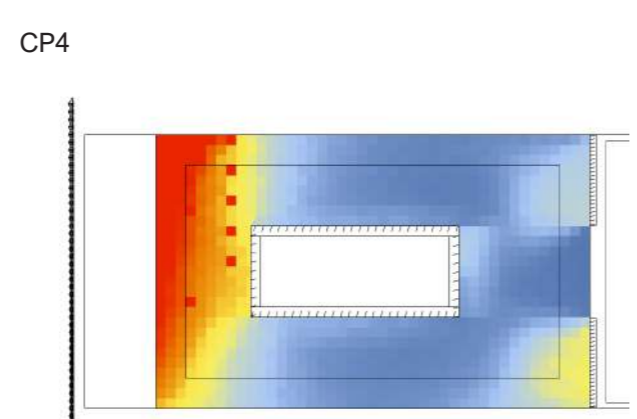
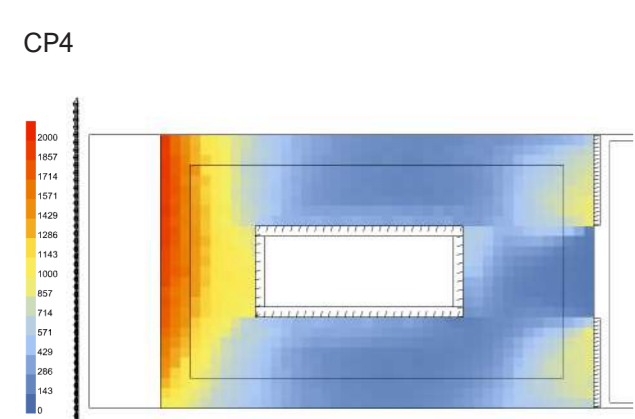
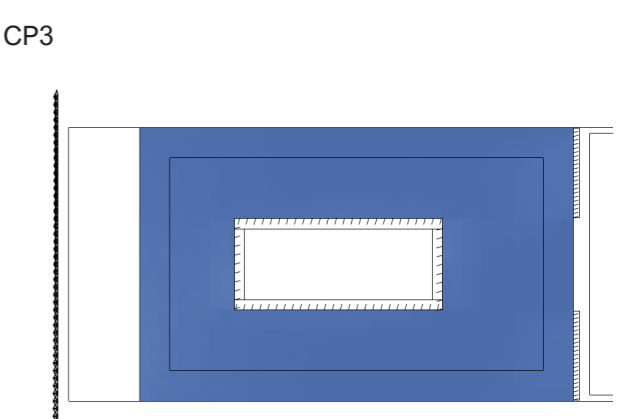
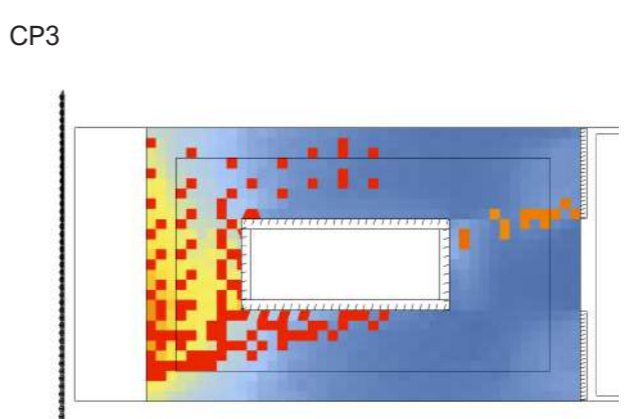
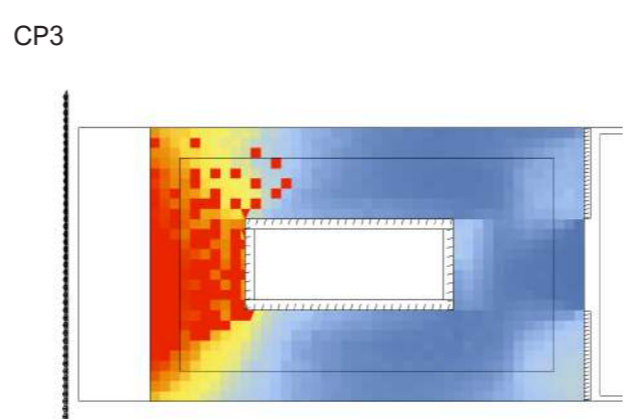
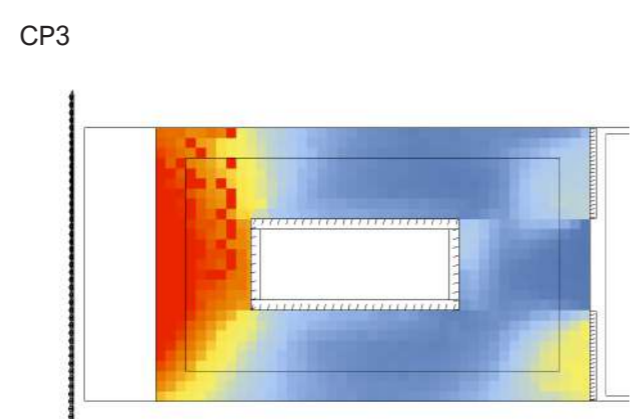
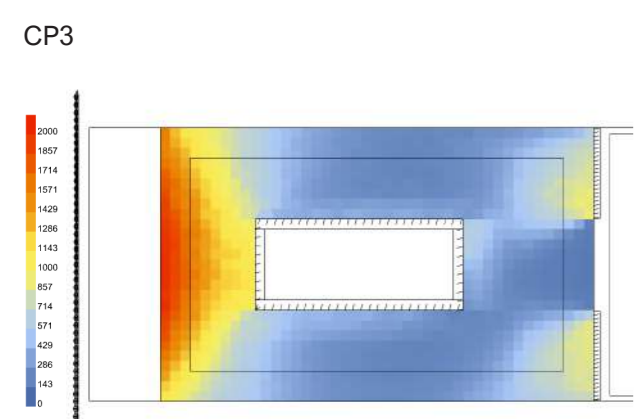
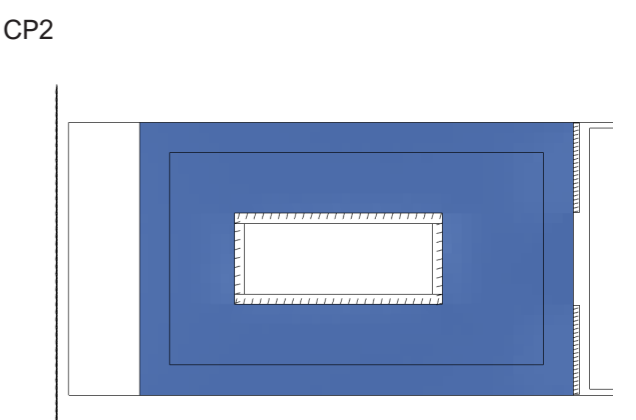
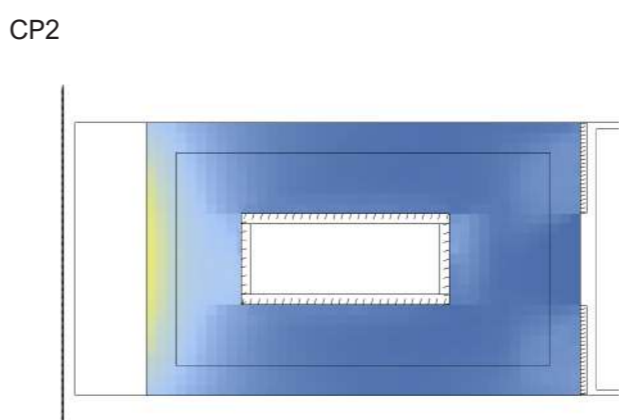
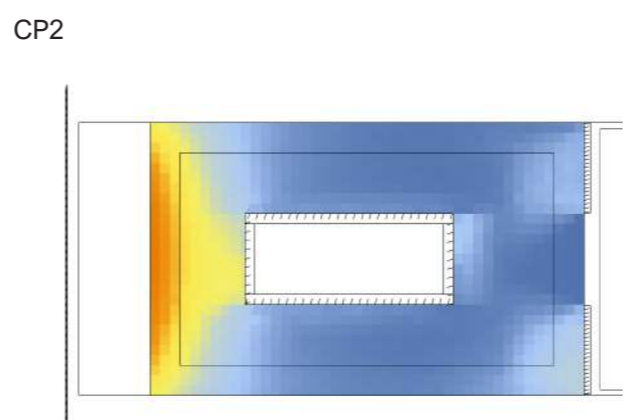
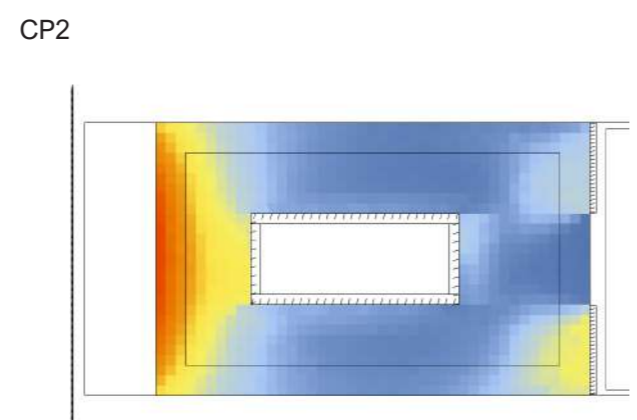
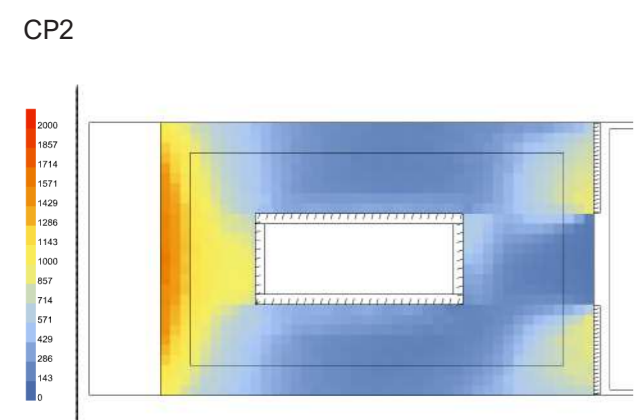
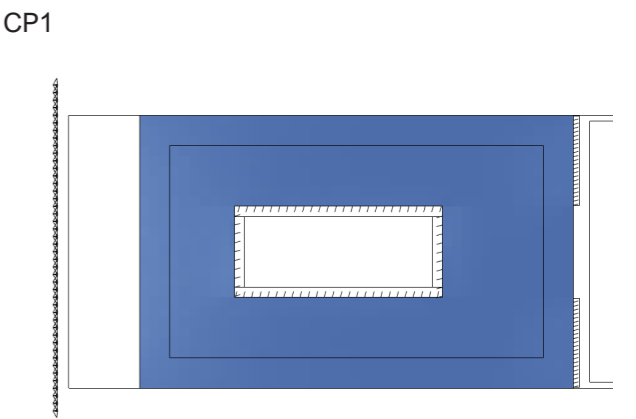
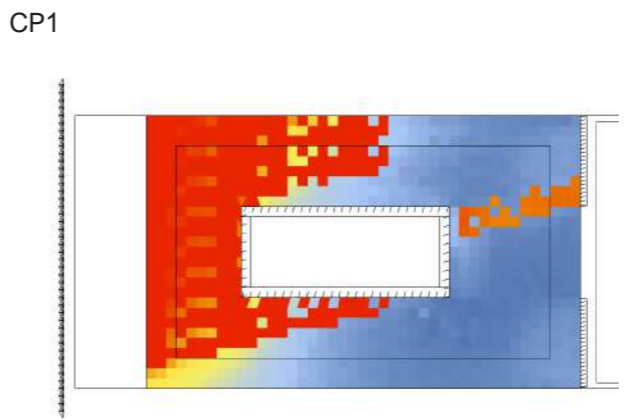
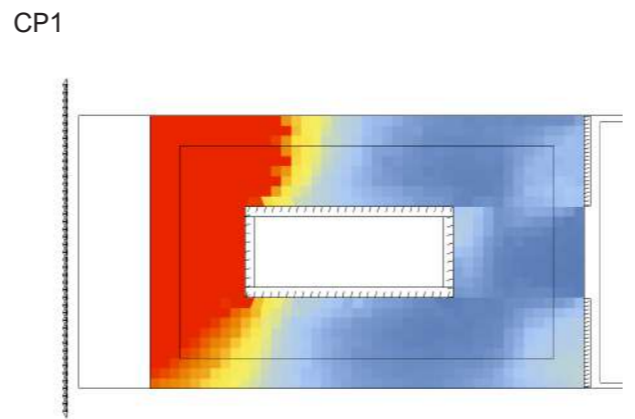
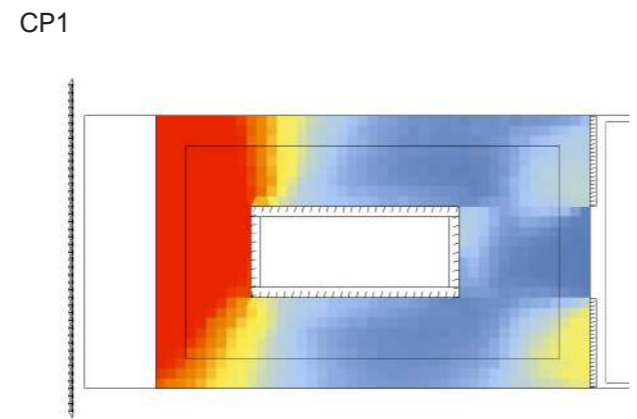
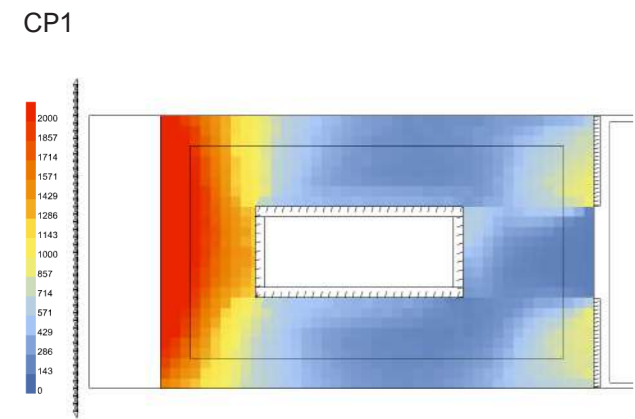
14.00

15.00

16.00

17.00

18.00



245 SCELTA CONFIGURAZIONE
23 SETTEMBRE - P1

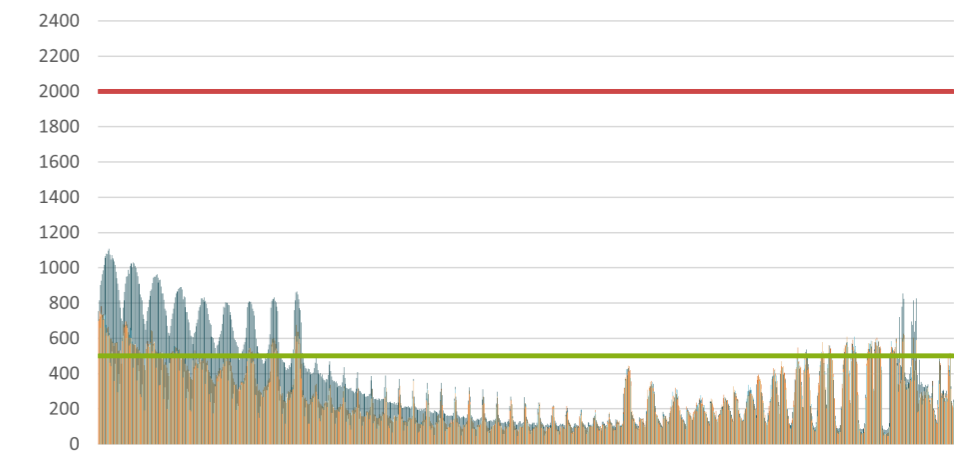
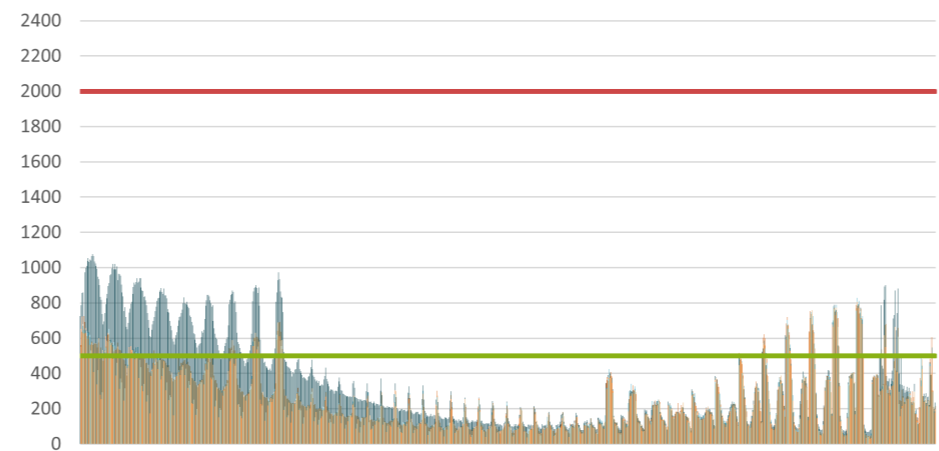
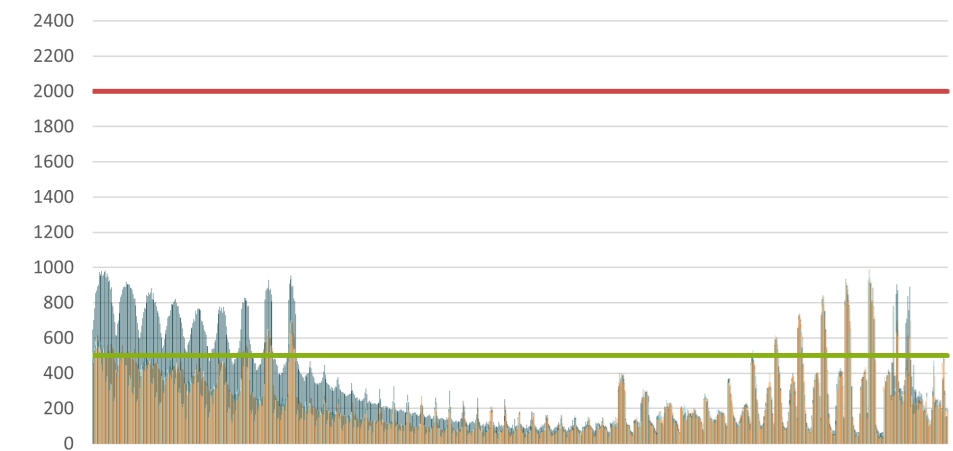


Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

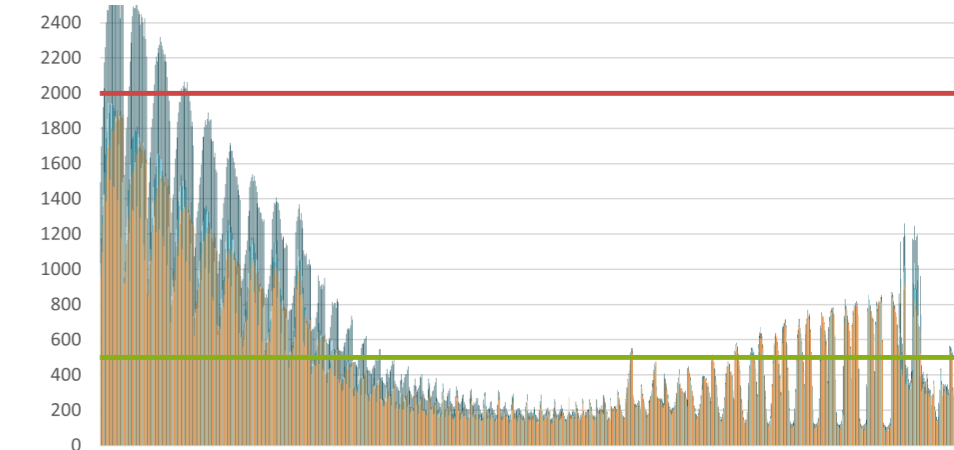
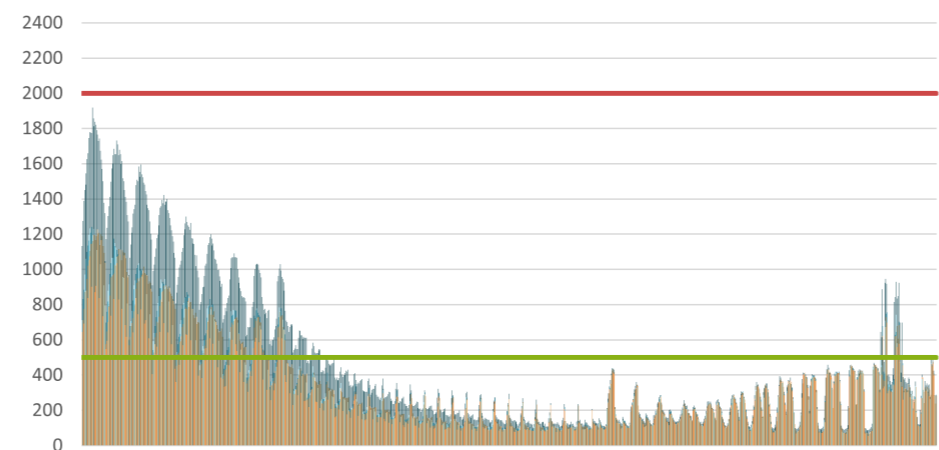
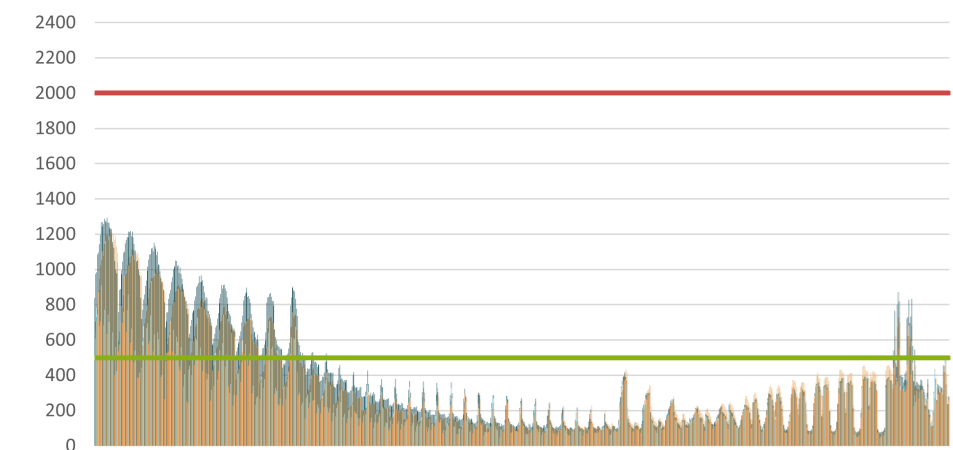
11.00



12.00

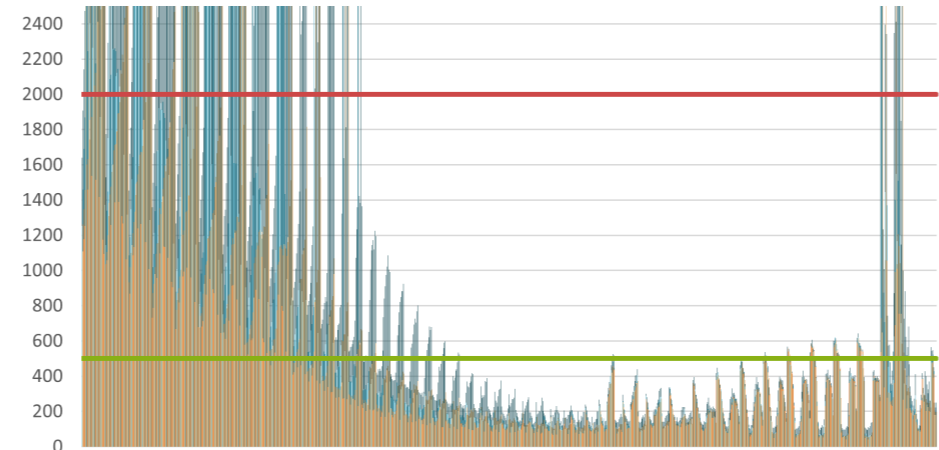
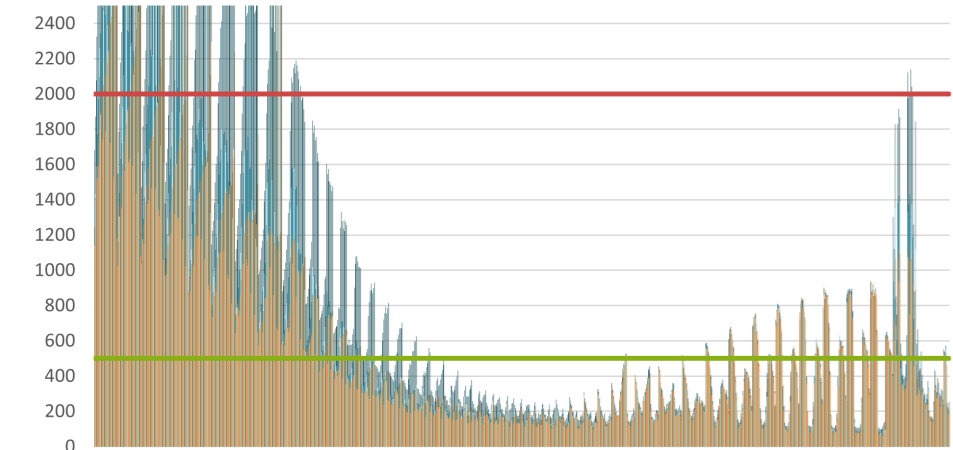
13.00

14.00



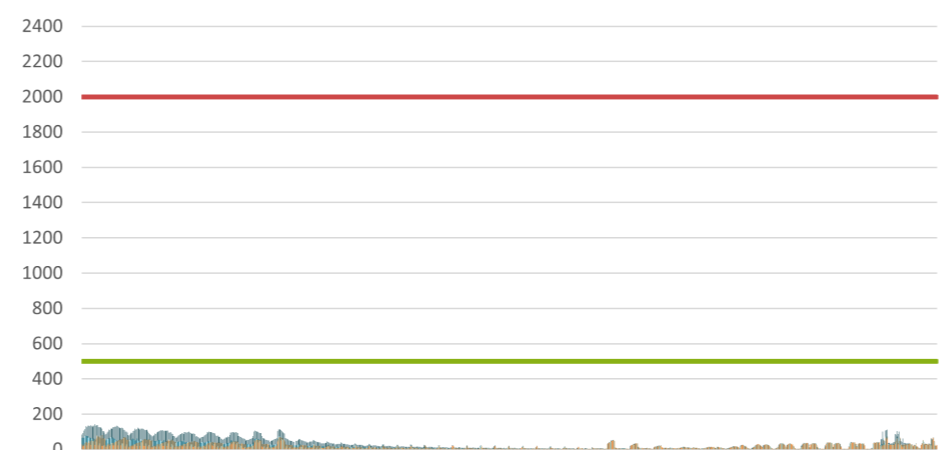
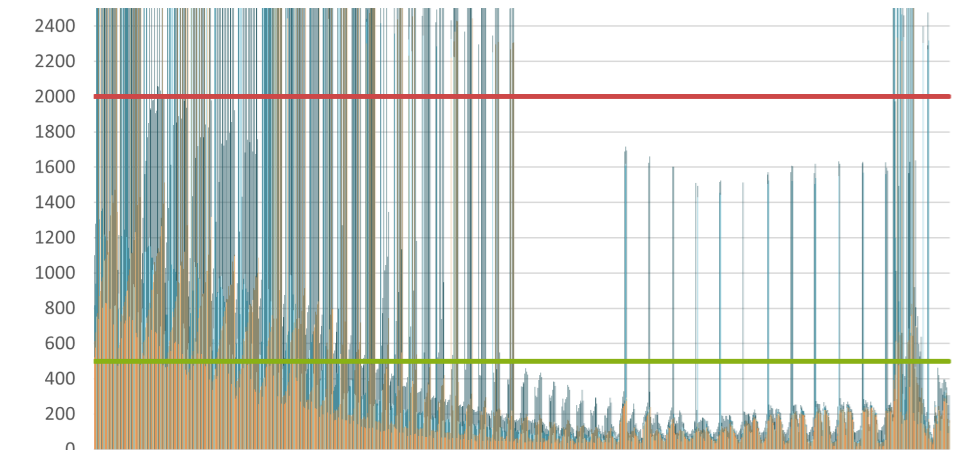
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

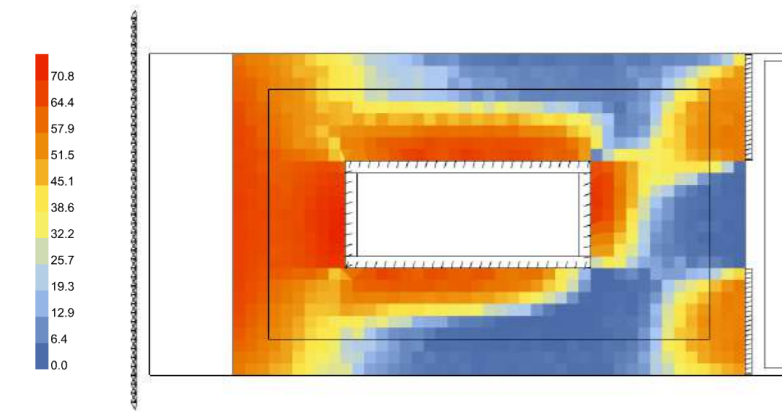
246 CONFRONTO RISULTATI
23 SETTEMBRE - P1



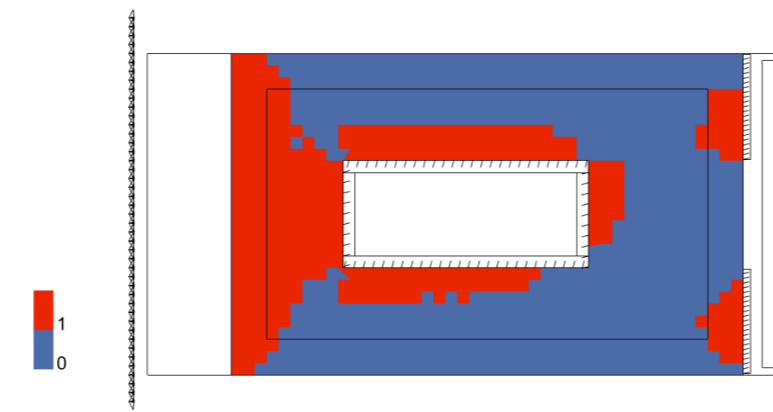
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

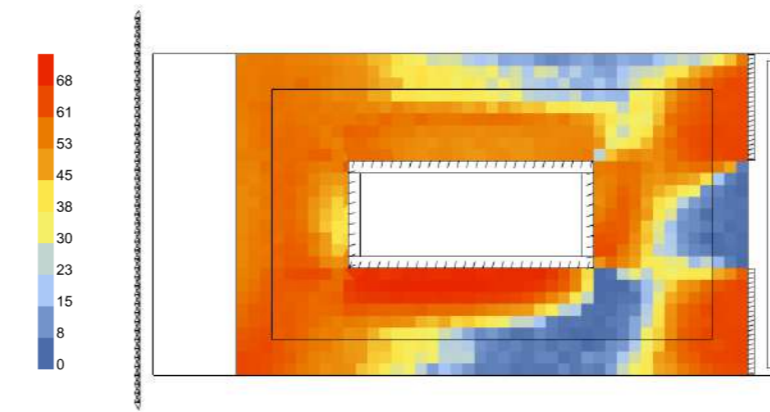
1. Daylight Autonomy (DA) - [%]



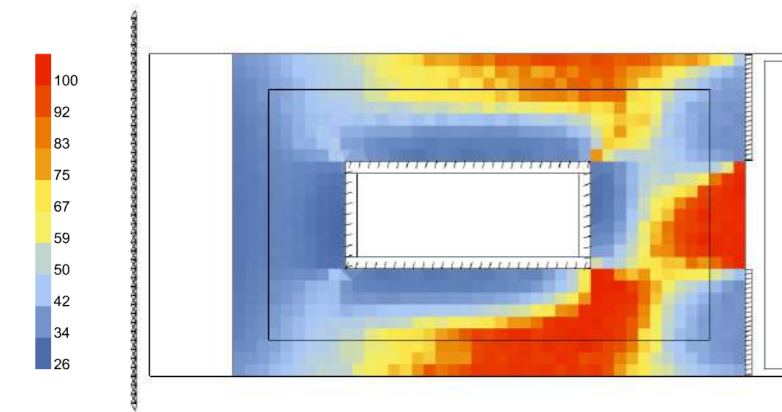
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



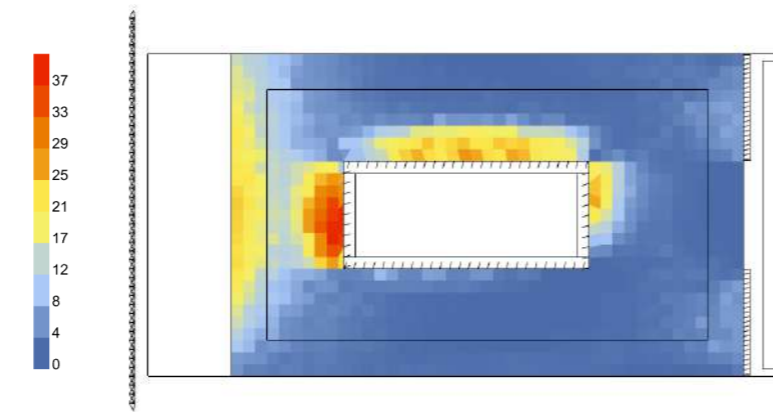
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

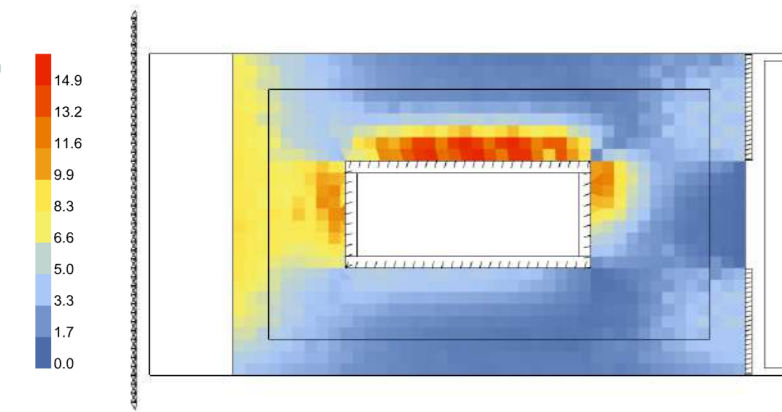


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

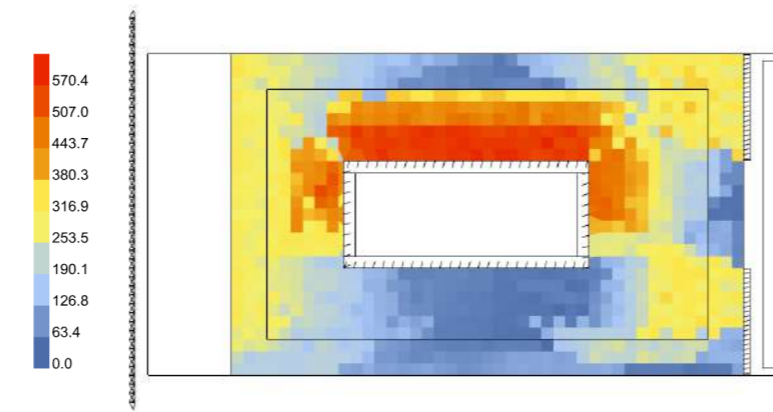


Annual Irradiance

1. Average Irradiance - [W/m²]

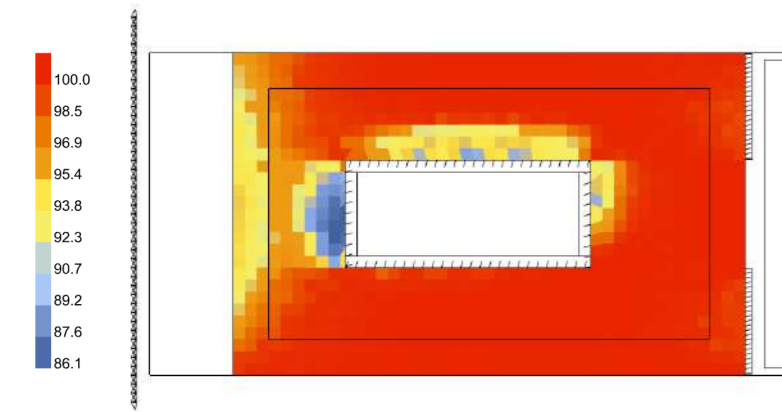


2. Peak Irradiance - [W/m²]



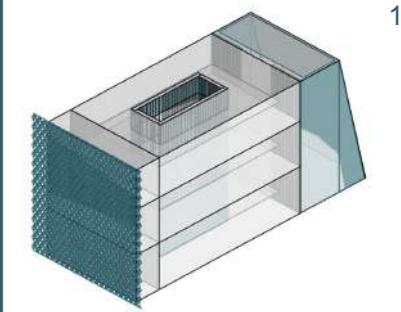
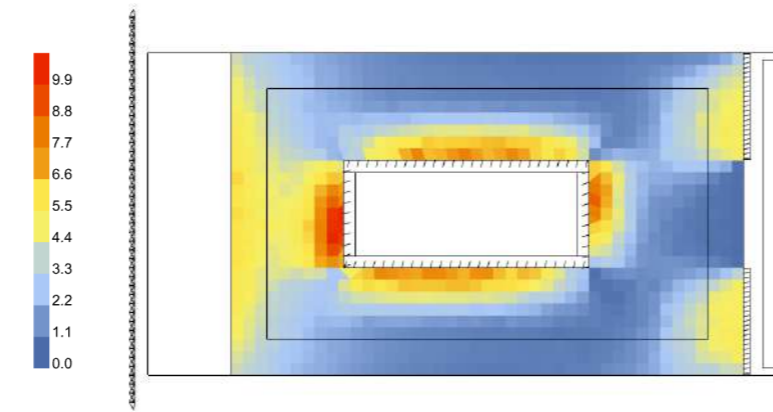
Annual Glare

1. Glare Autonomy (GA) - [%]

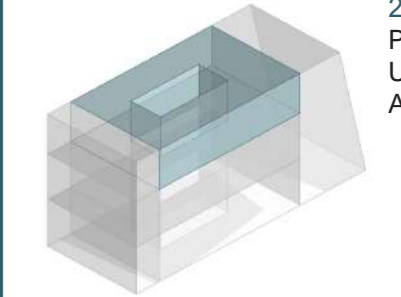


Daylight Factor

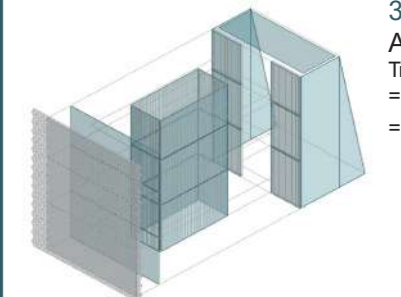
[%]



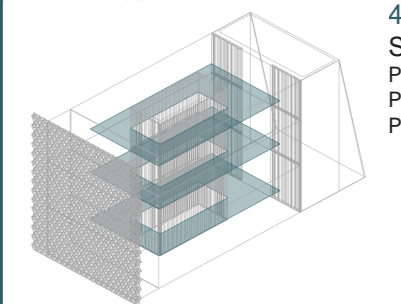
1. Modello Rhino



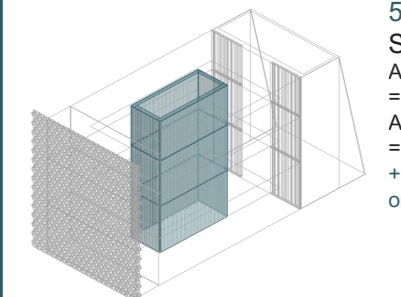
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



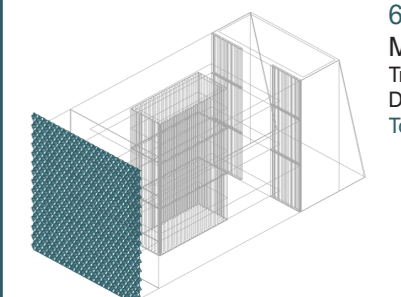
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Totalmente chiuso

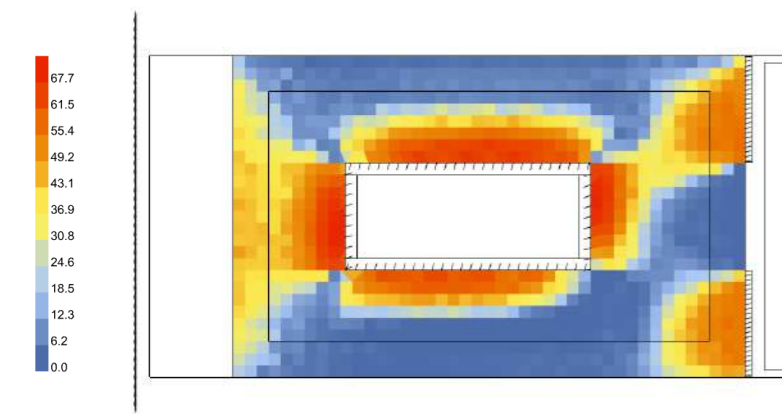
247 SCELTA CONFIGURAZIONE
CP1 - P2



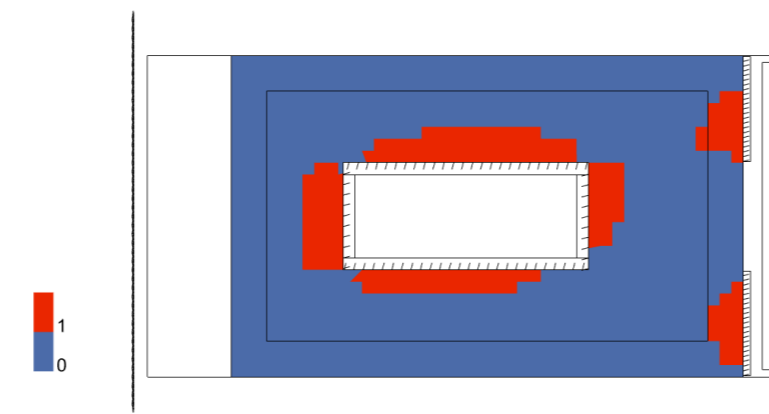
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

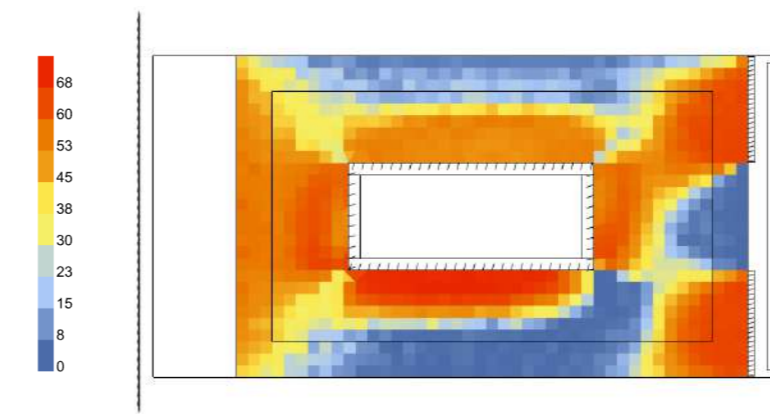
1. Daylight Autonomy (DA) - [%]



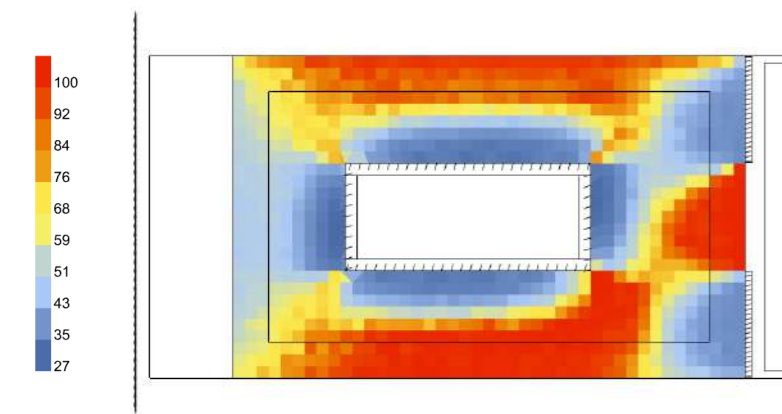
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



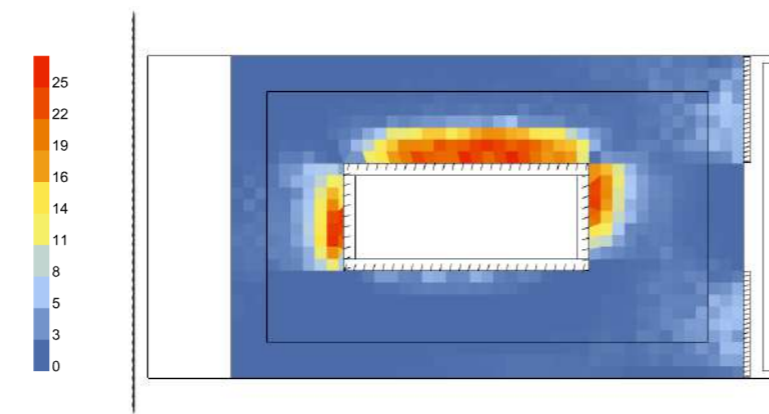
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

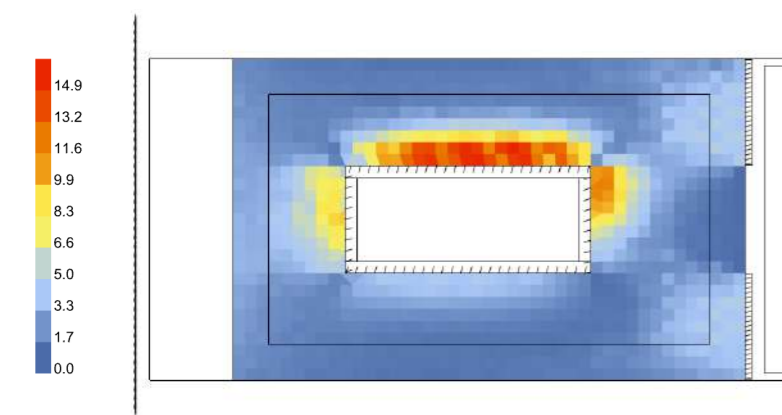


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

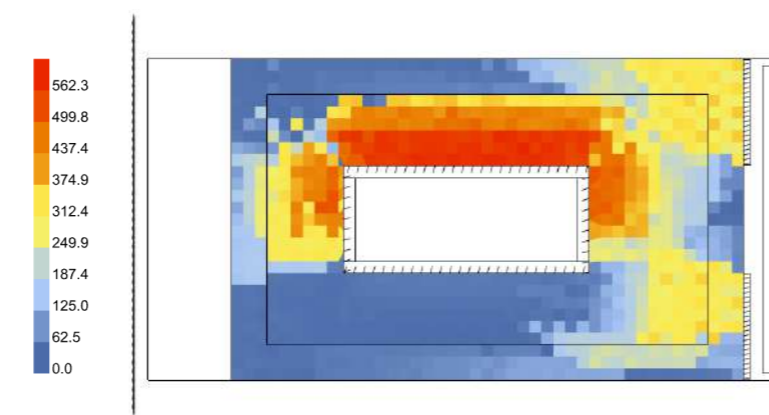


Annual Irradiance

1. Average Irradiance - [W/m²]

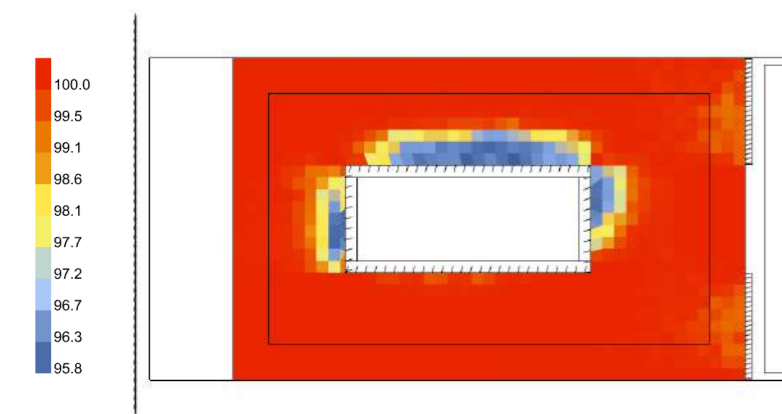


2. Peak Irradiance - [W/m²]



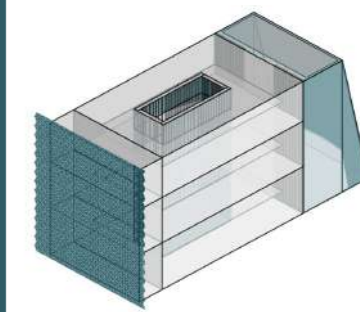
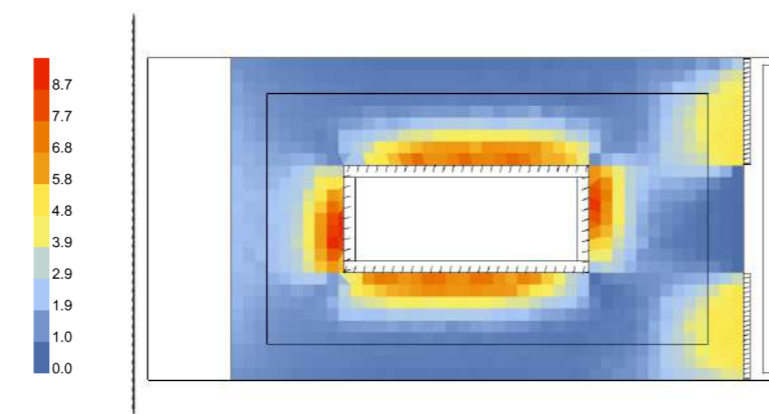
Annual Glare

1. Glare Autonomy (GA) - [%]

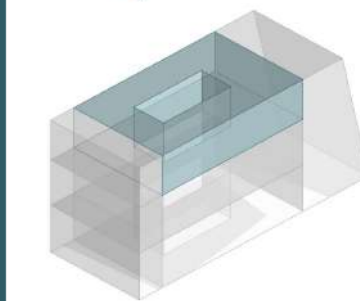


Daylight Factor

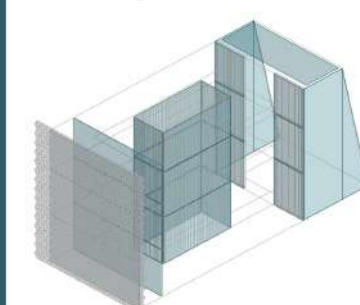
[%]



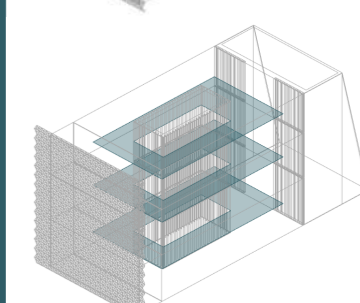
1. Modello Rhino



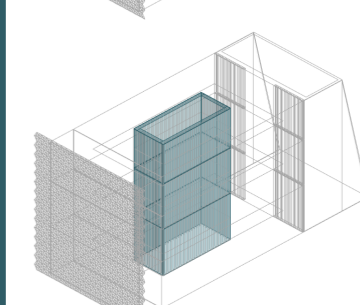
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



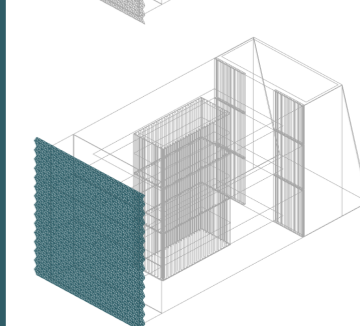
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Totalmente aperto

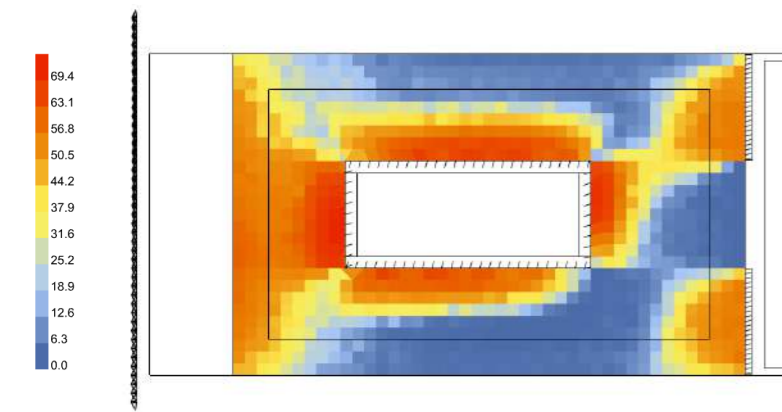
248 SCELTA CONFIGURAZIONE
CP2 - P2



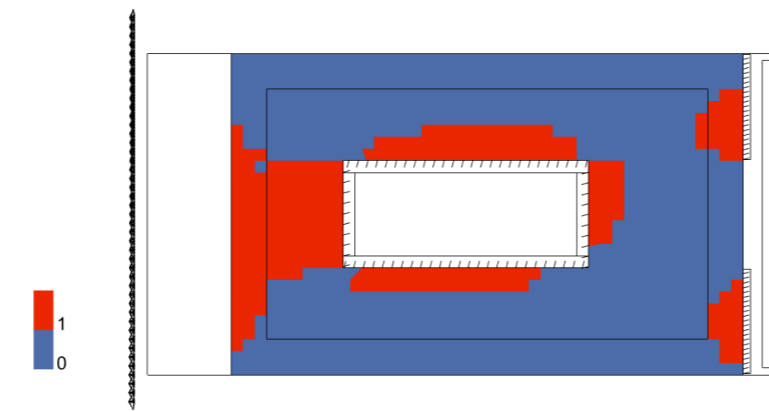
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

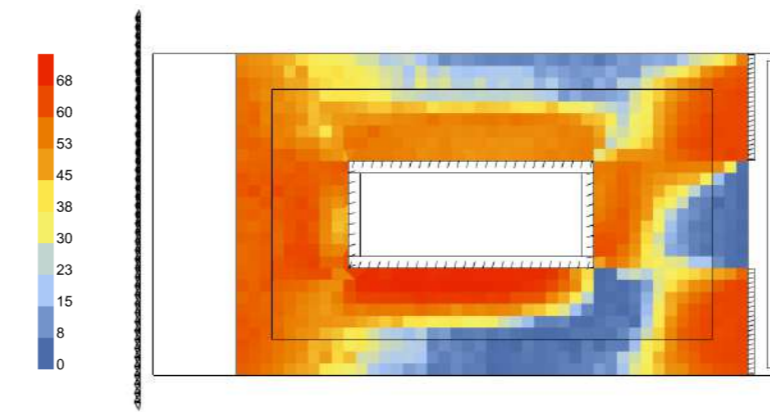
1. Daylight Autonomy (DA) - [%]



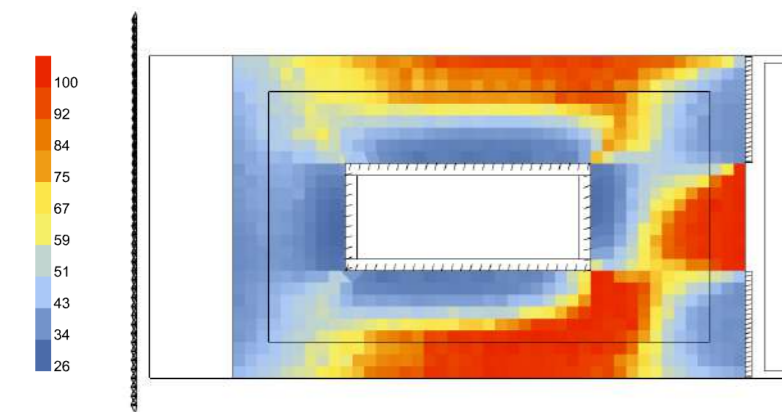
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



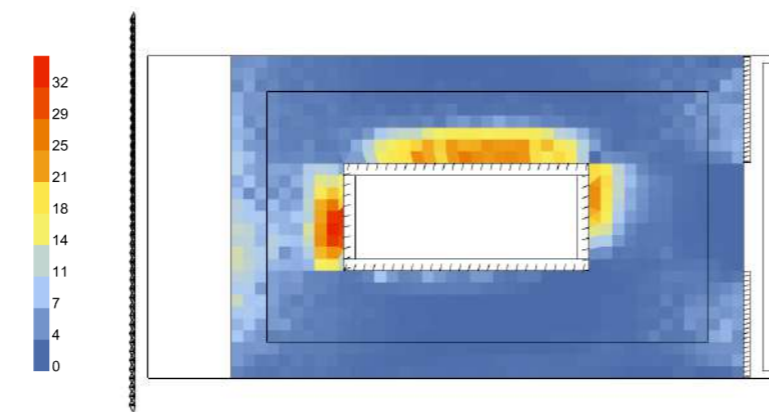
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

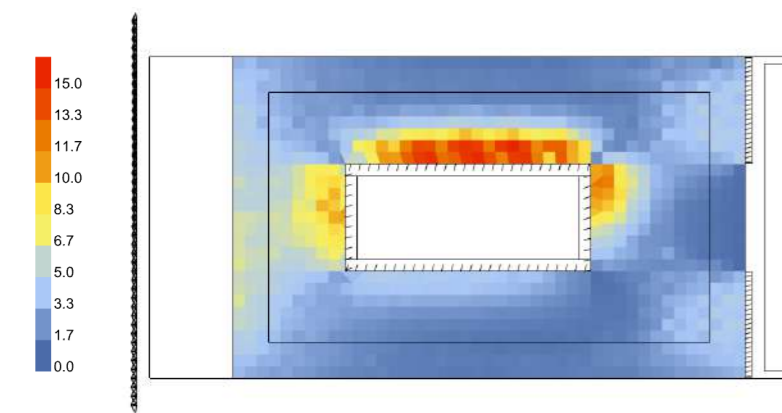


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

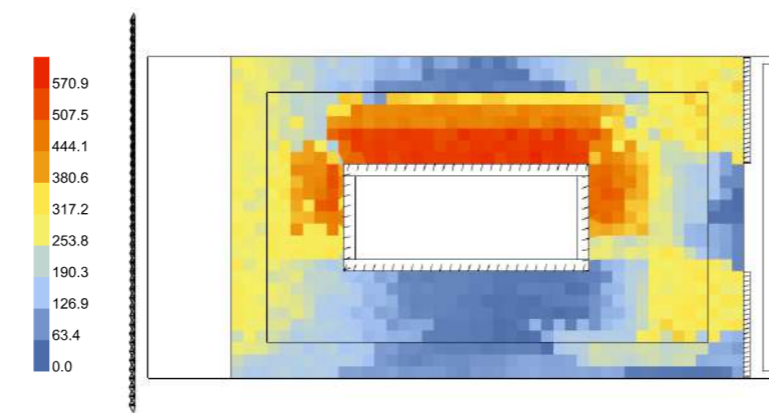


Annual Irradiance

1. Average Irradiance - [W/m²]

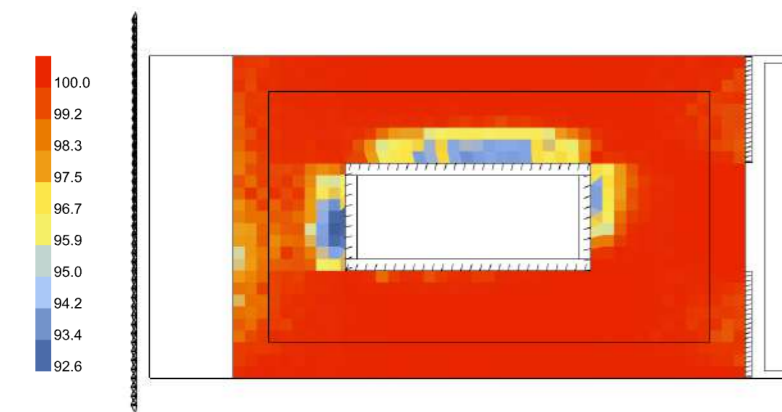


2. Peak Irradiance - [W/m²]



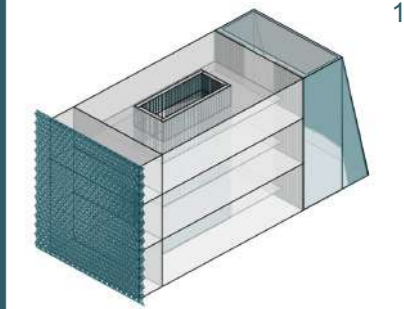
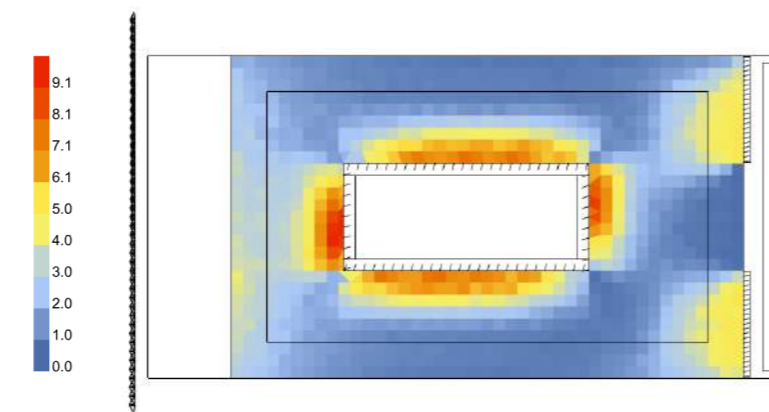
Annual Glare

1. Glare Autonomy (GA) - [%]

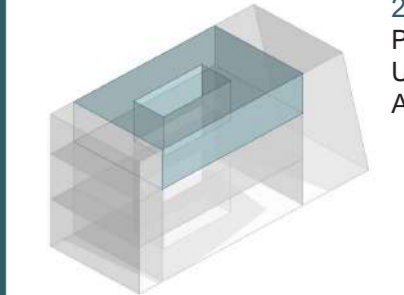


Daylight Factor

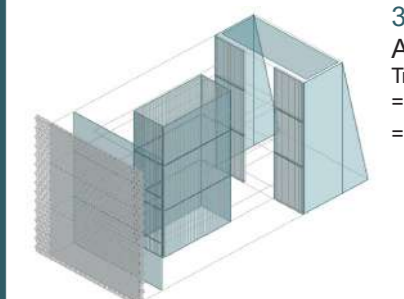
[%]



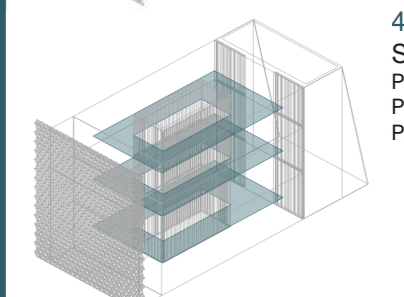
1. Modello Rhino



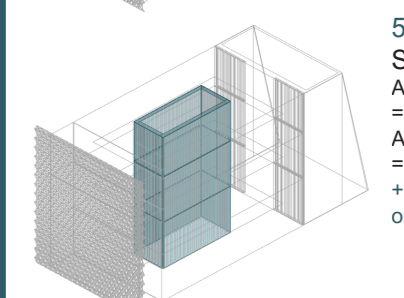
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



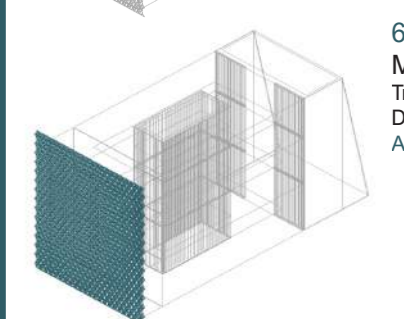
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Aperto verso Nord

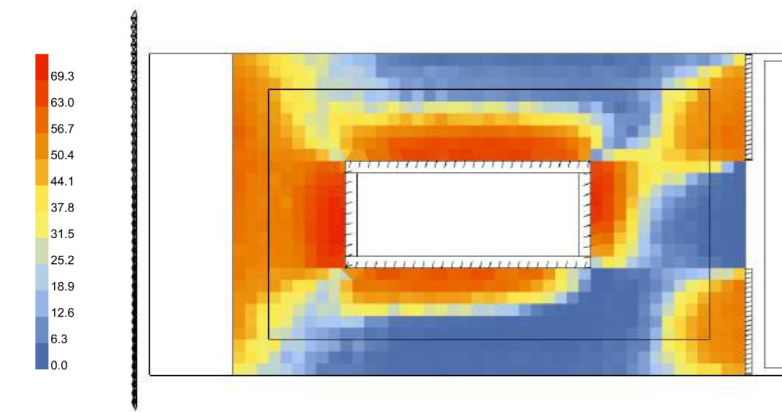
249 SCELTA CONFIGURAZIONE
CP3 - P2



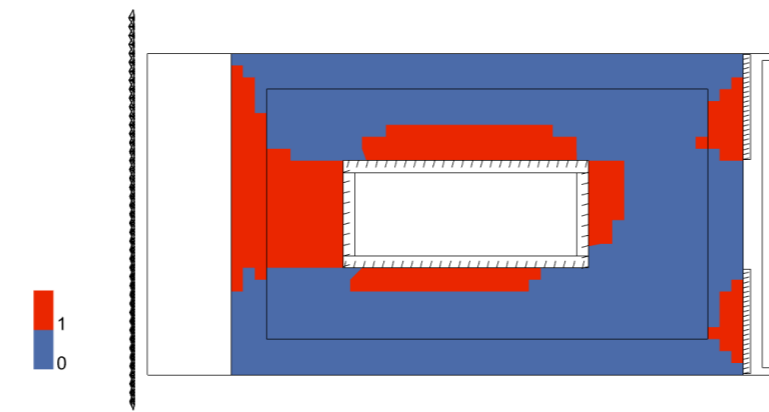
Annibale Alessandra
Chiesa Emily
Prelli Giulia

Annual Daylight

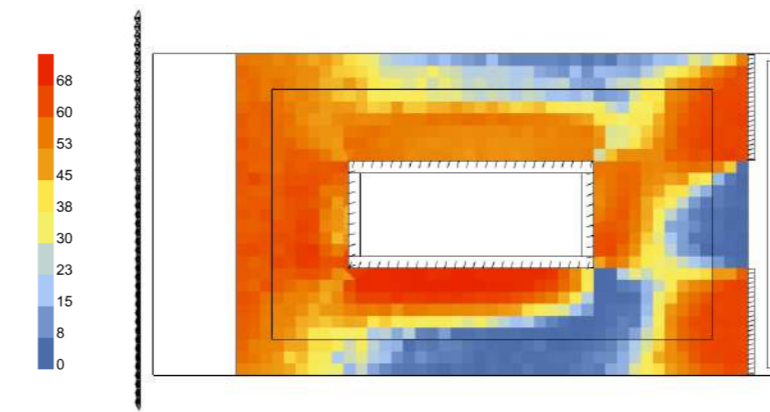
1. Daylight Autonomy (DA) - [%]



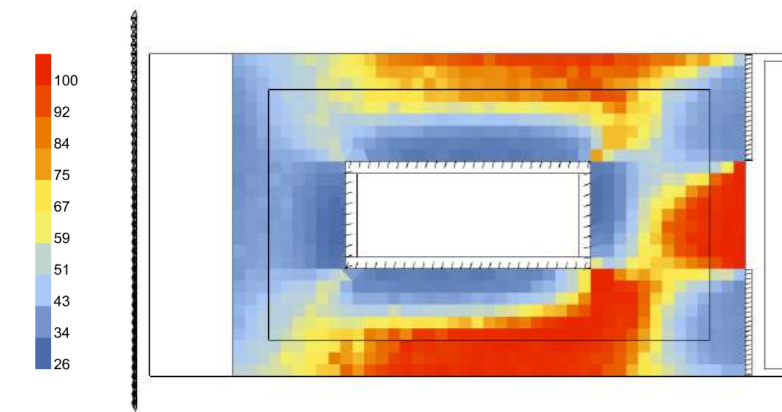
2. Spatial Daylight Autonomy (sDA) - pass=1, fail=0



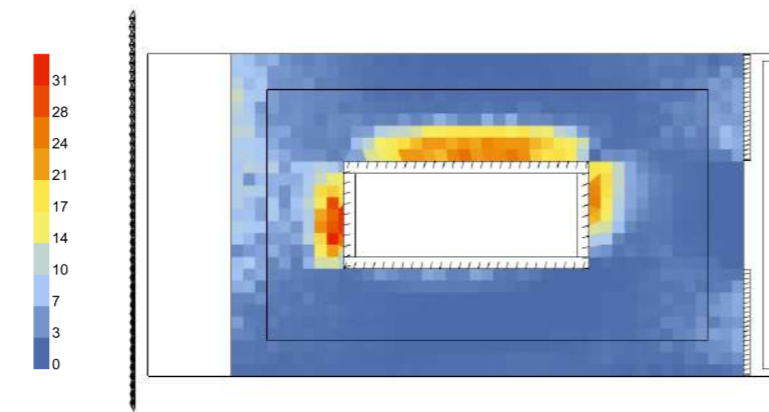
3. Useful Daylight Illuminance (UDI) - [%]



4. Useful Daylight Illuminance, below 300 lux (UDI_low) - [%]

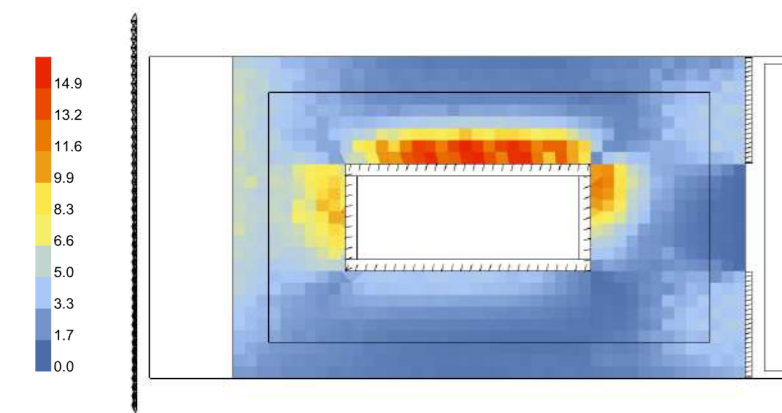


5. Useful Daylight Illuminance, above 2000 lux (UDI_up) - [%]

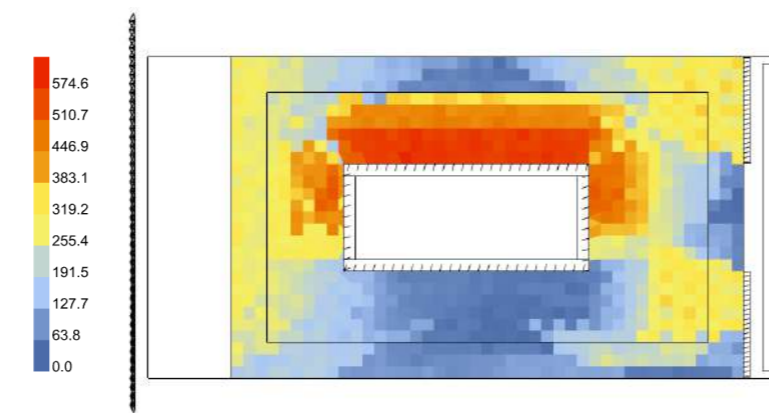


Annual Irradiance

1. Average Irradiance - [W/m²]

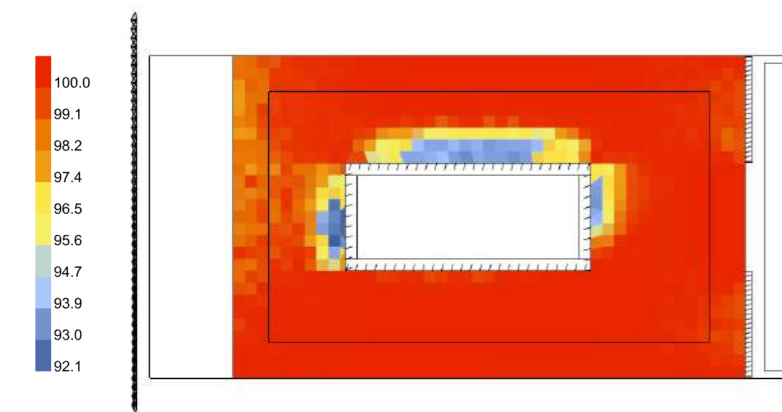


2. Peak Irradiance - [W/m²]



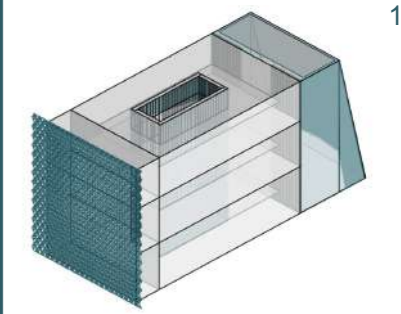
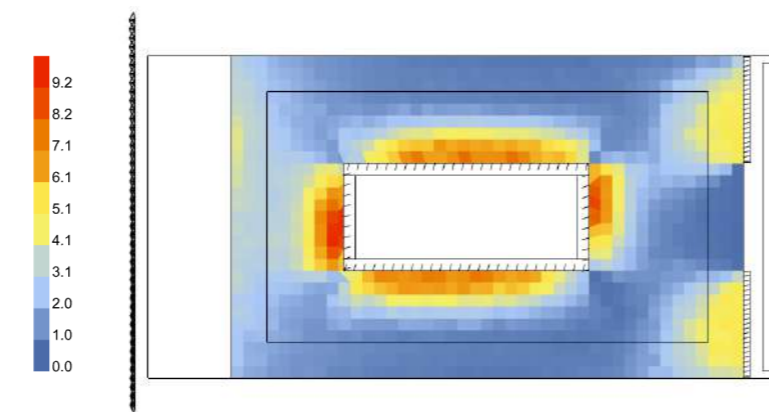
Annual Glare

1. Glare Autonomy (GA) - [%]

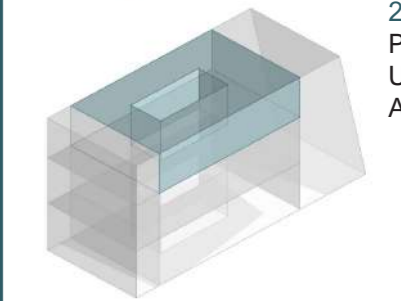


Daylight Factor

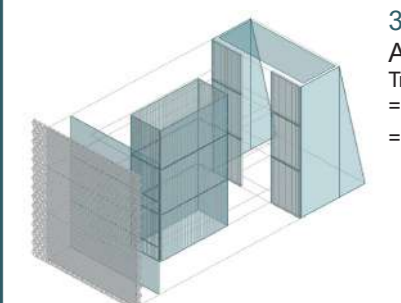
[%]



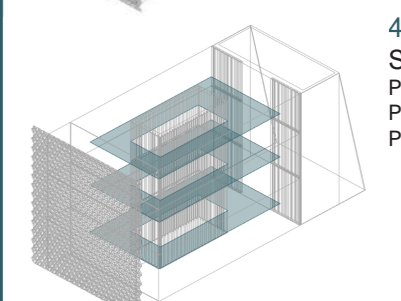
1. Modello Rhino



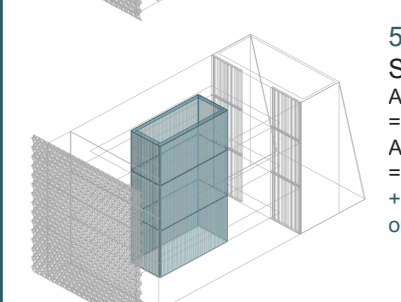
2. Modello HB
Piano Secondo
Uffici 21,5x13,5m
Altezza 5,6 m



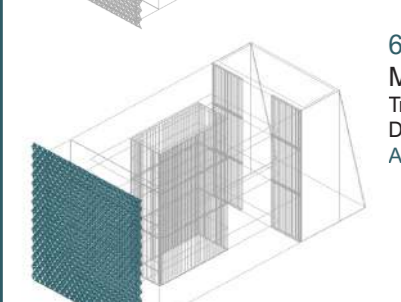
3. Modello HB
Aperture
Trasmittanza luminosa
= 0,8 (interne,esterne)
= 0,7 (esterna,LSC)



4. Modello HB
Soppalco
PT: altezza 3,10 m
P1: altezza 3,10 m
P2: altezza 2,80 m



5. Modello HB
Schermature
Aperture lato est
= inclinazione 15°
Aperture centro
= inclinazione 15°
+ schermatura
orizzontale 50 cm



6. Modello HB
Moduli PTFE
Trasmittanza = 0,2
Distanza = 0,60 cm
Aperto verso Sud

250 SCELTA CONFIGURAZIONE
CP4 - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

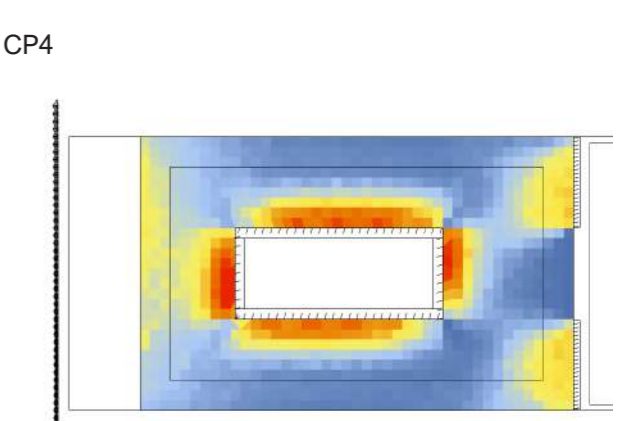
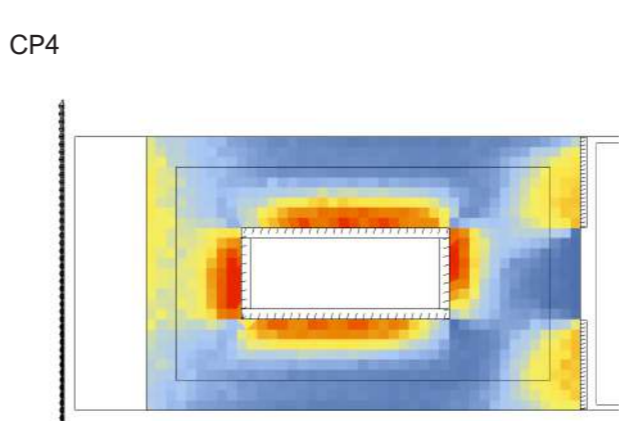
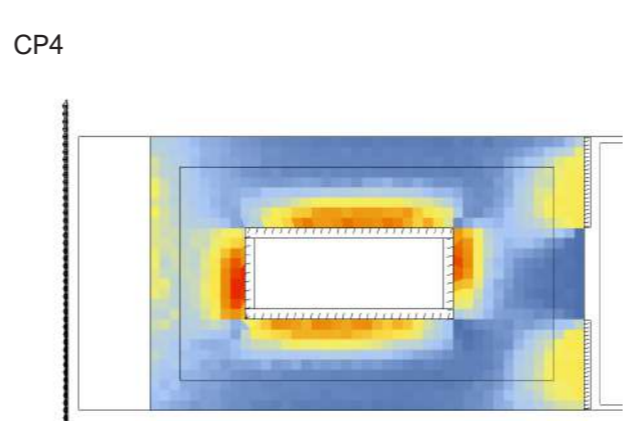
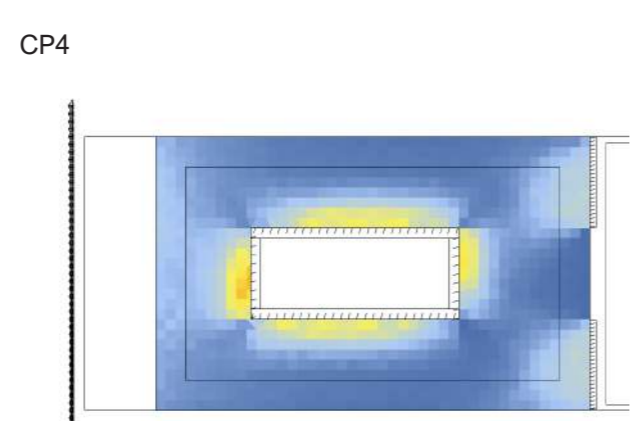
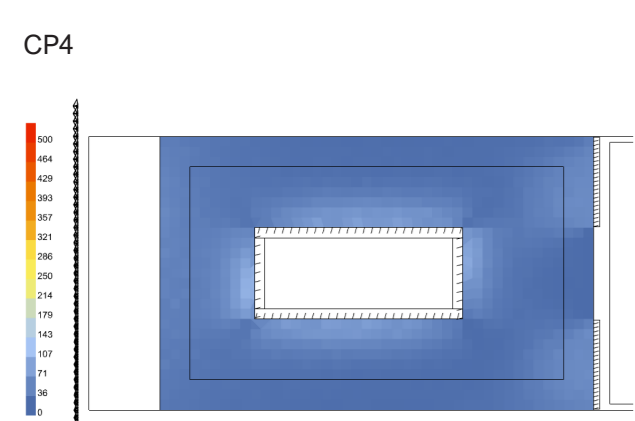
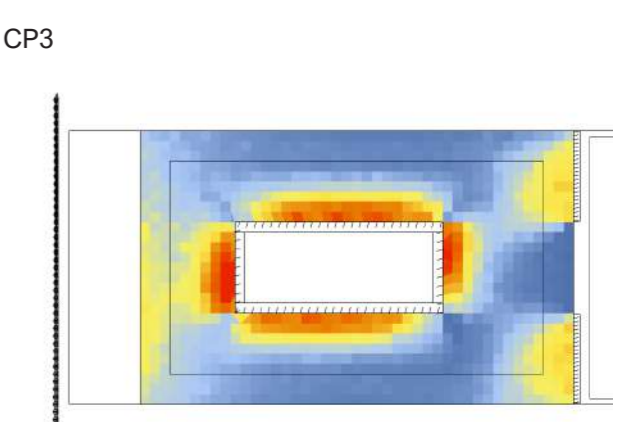
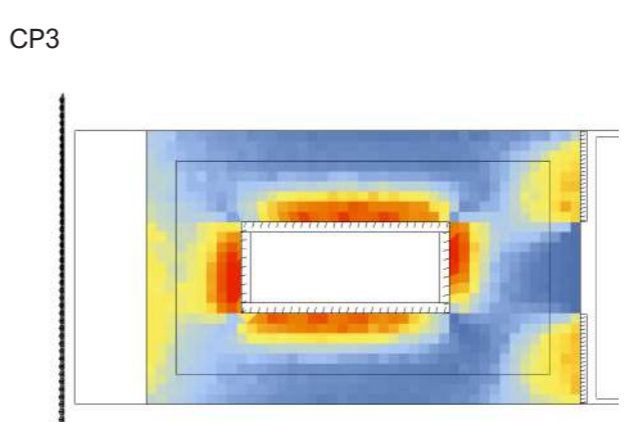
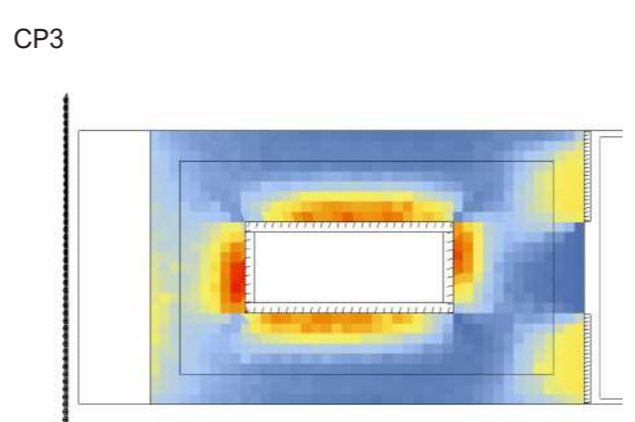
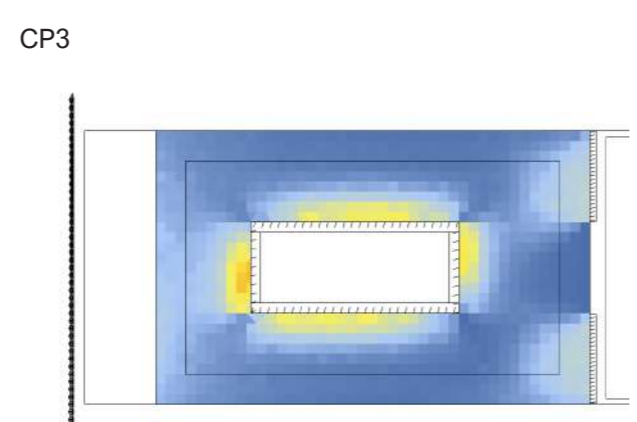
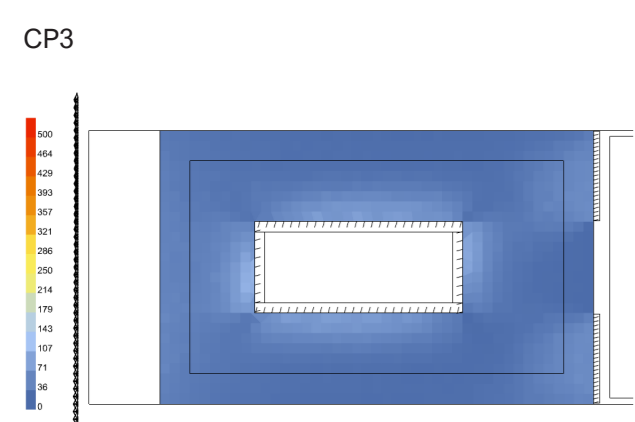
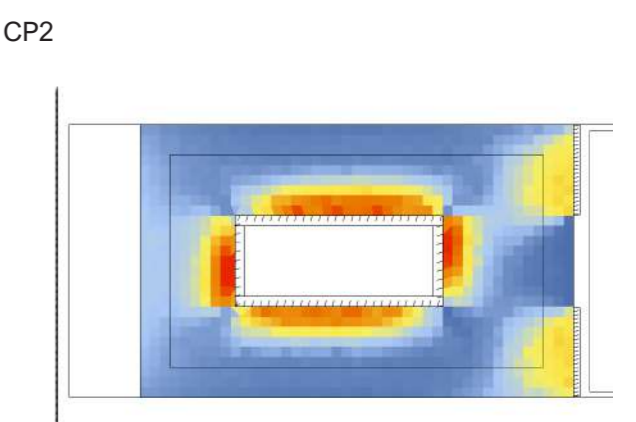
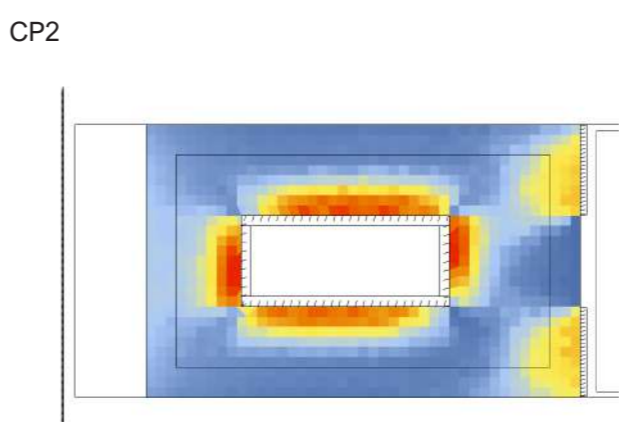
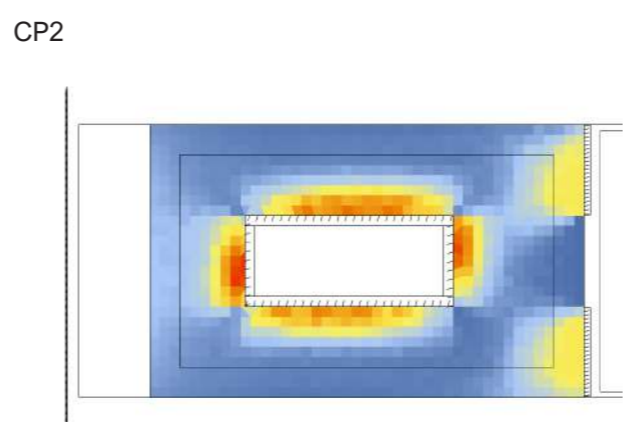
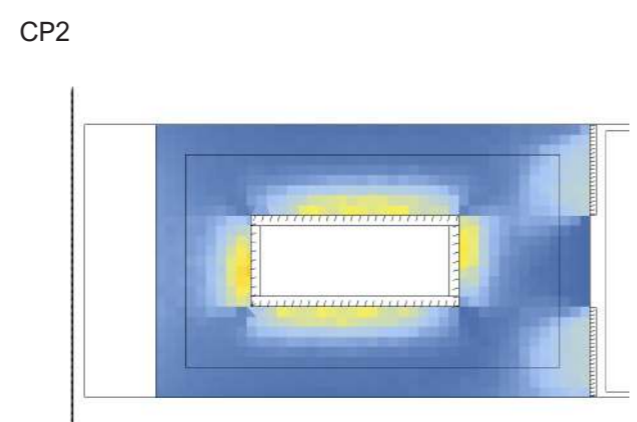
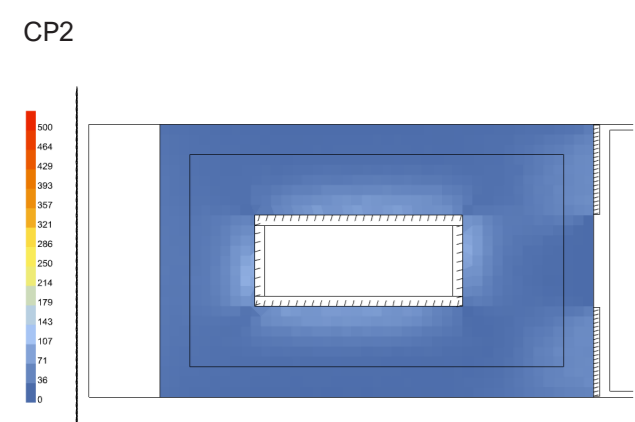
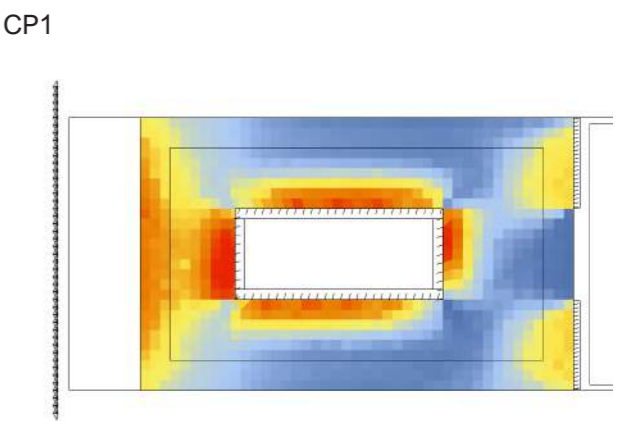
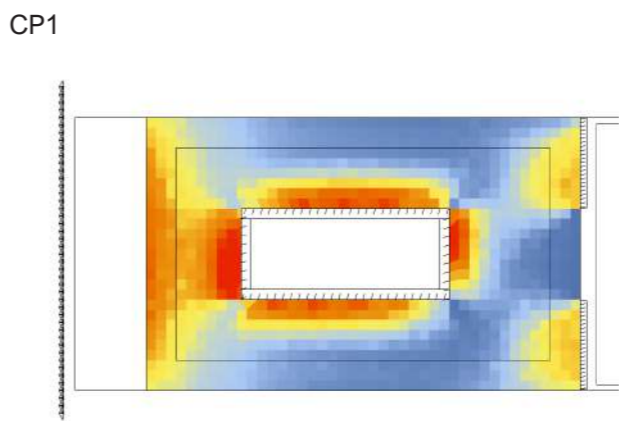
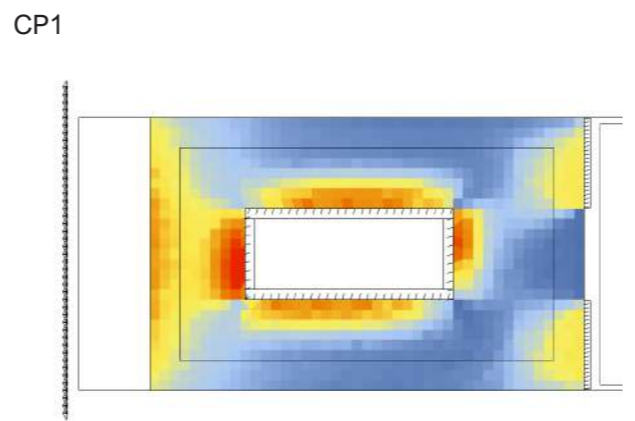
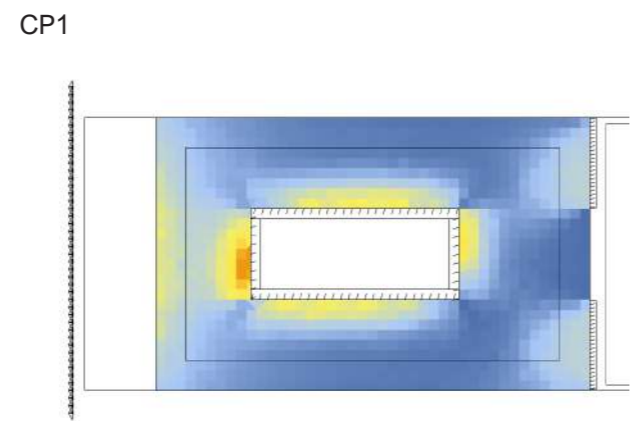
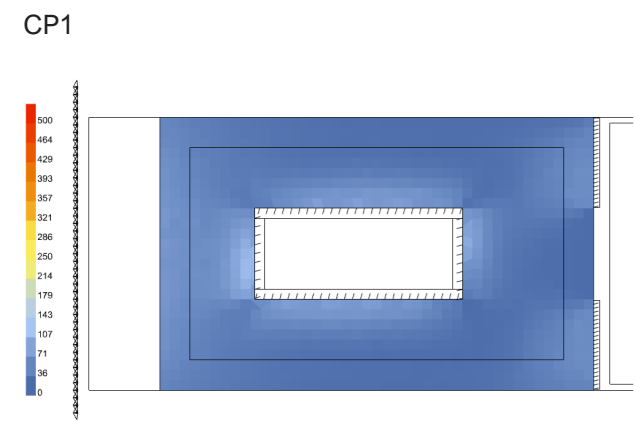
9.00

10.00

11.00

12.00

13.00



251 SCELTA CONFIGURAZIONE
21 DICEMBRE - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

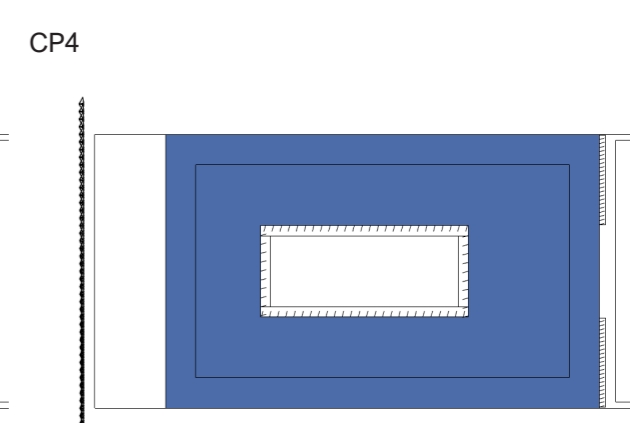
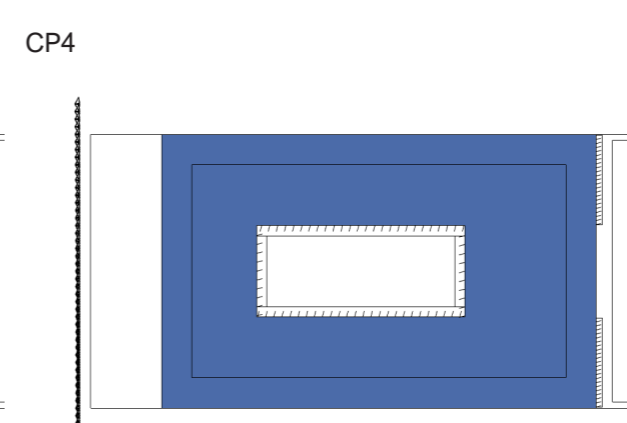
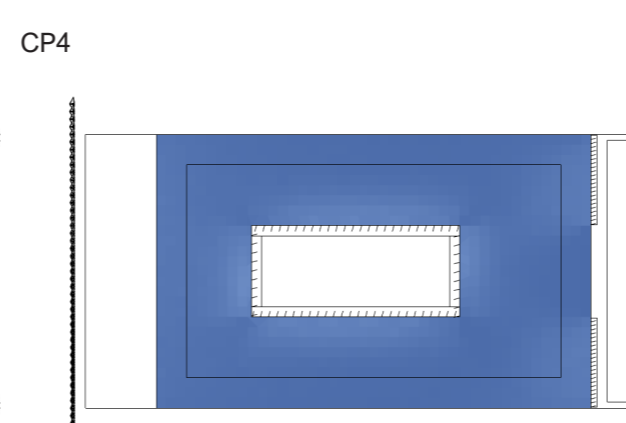
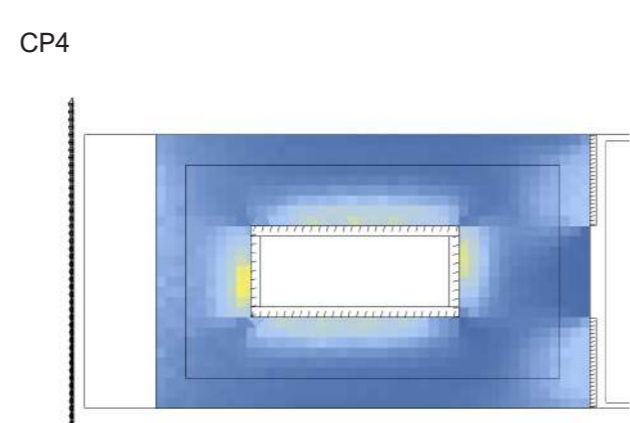
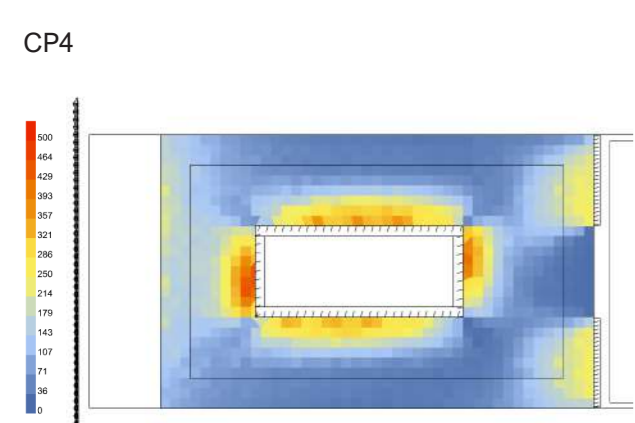
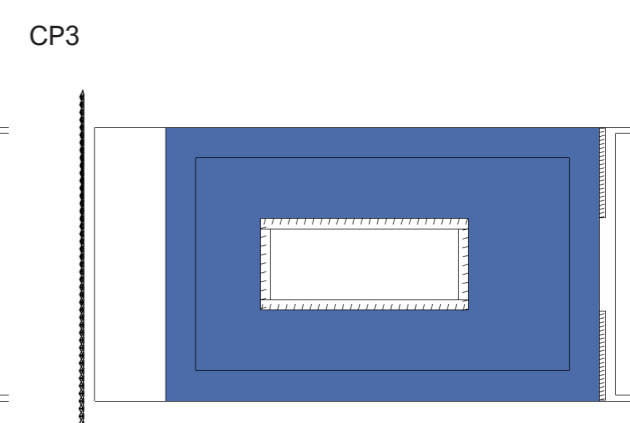
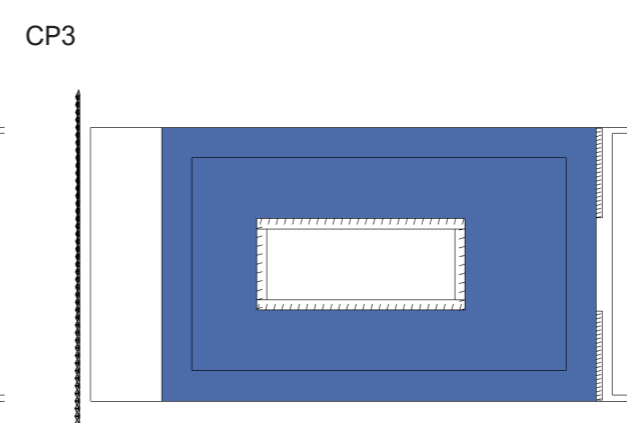
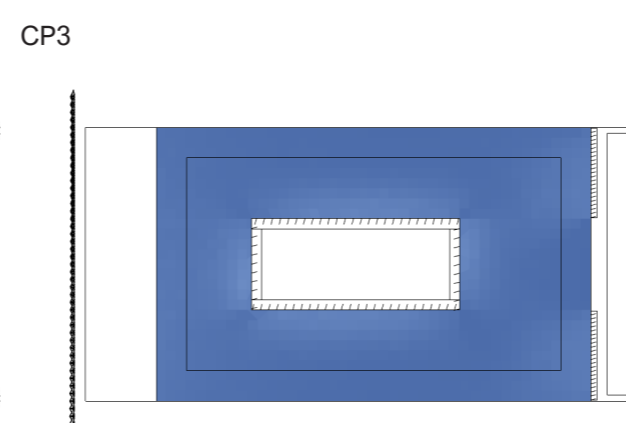
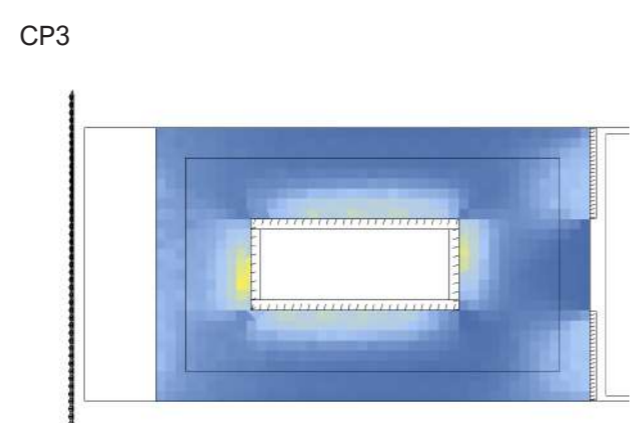
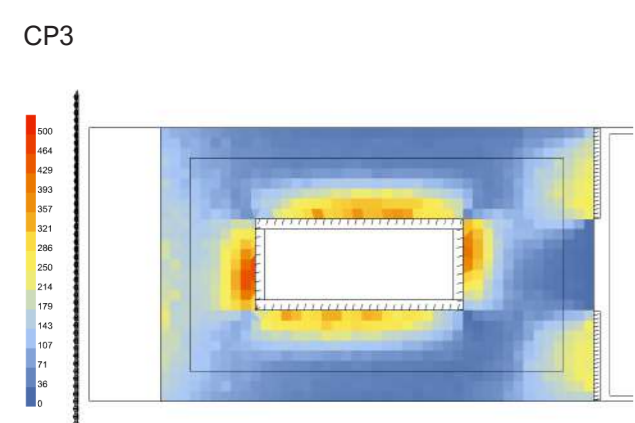
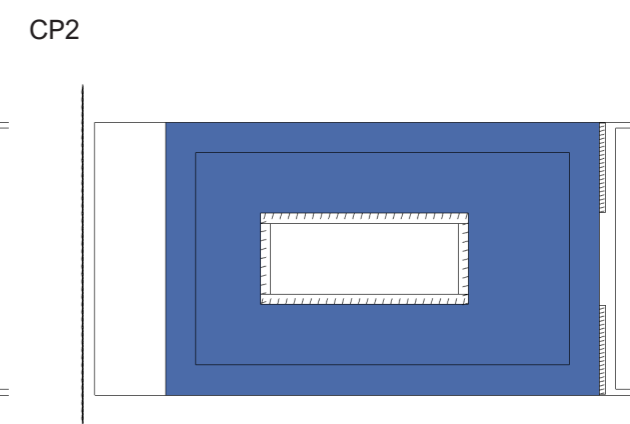
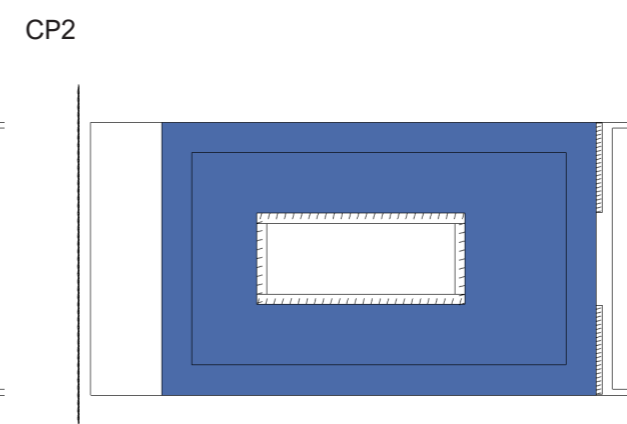
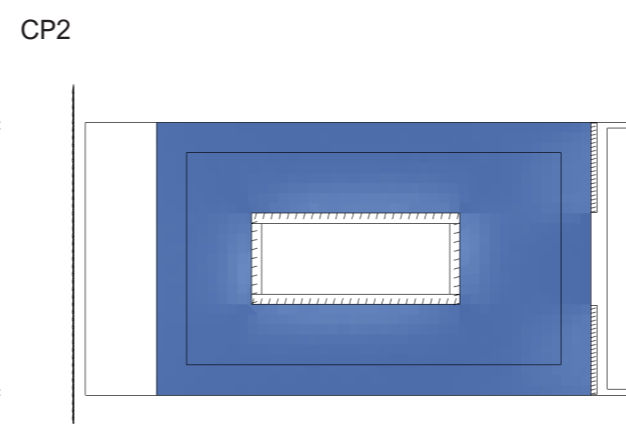
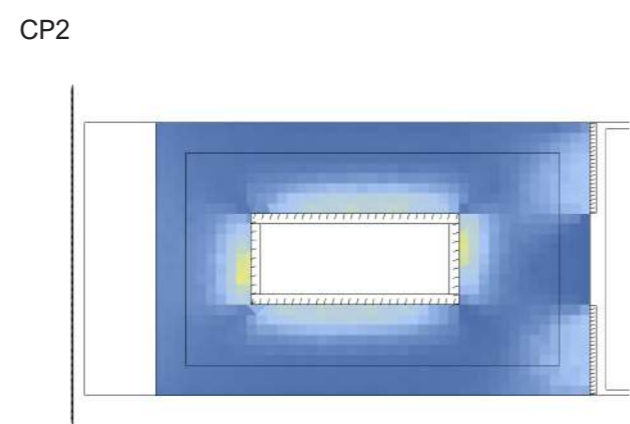
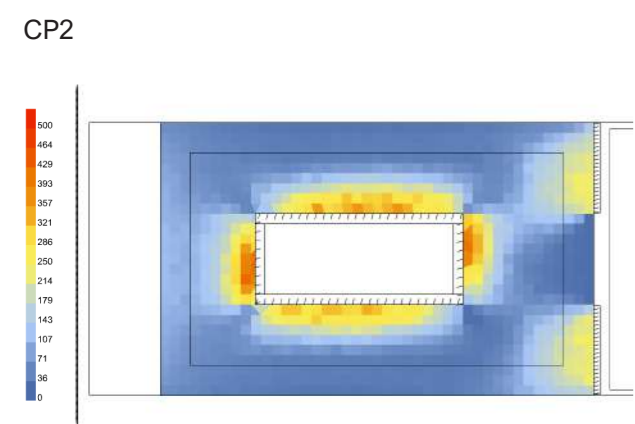
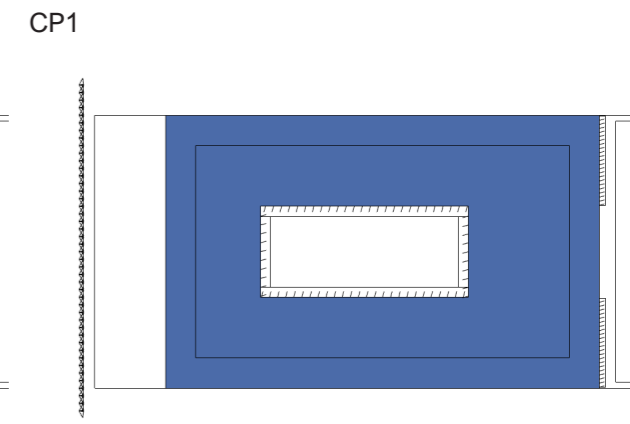
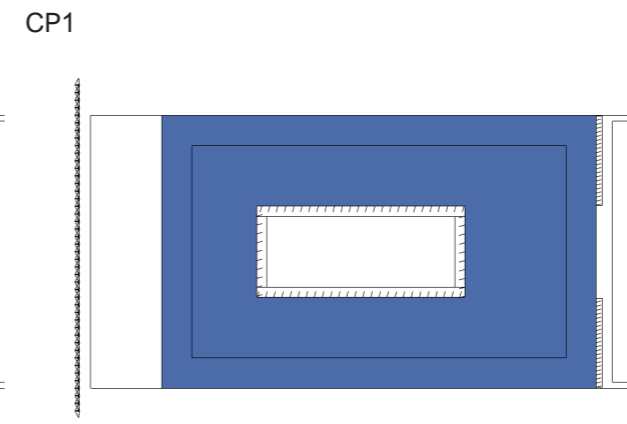
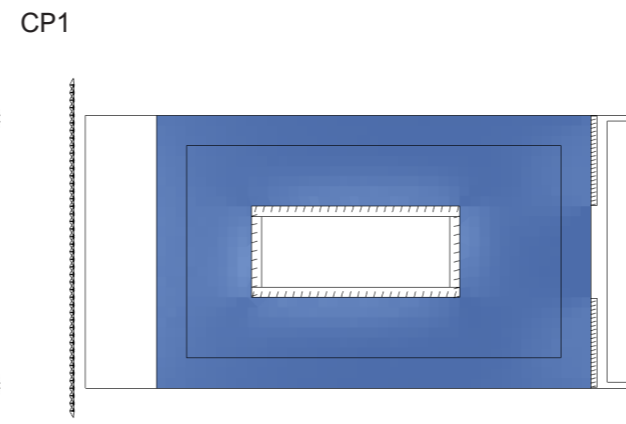
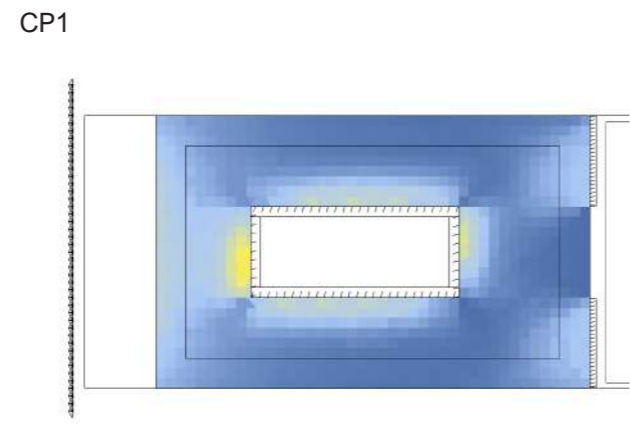
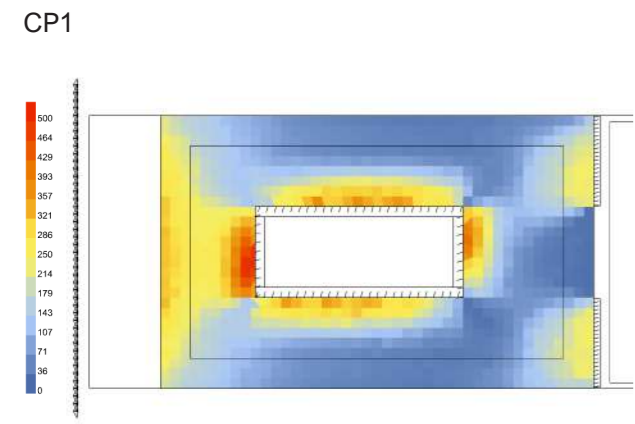
14.00

15.00

16.00

17.00

18.00

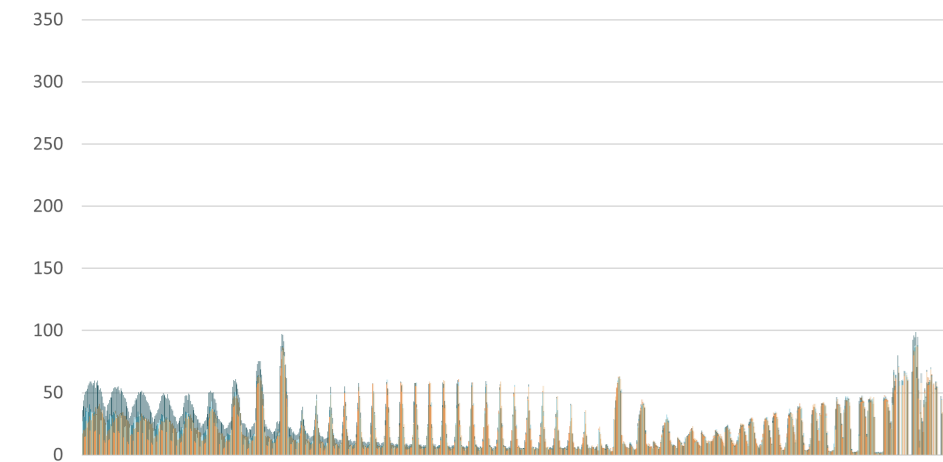


252 SCELTA CONFIGURAZIONE
21 DICEMBRE - P2

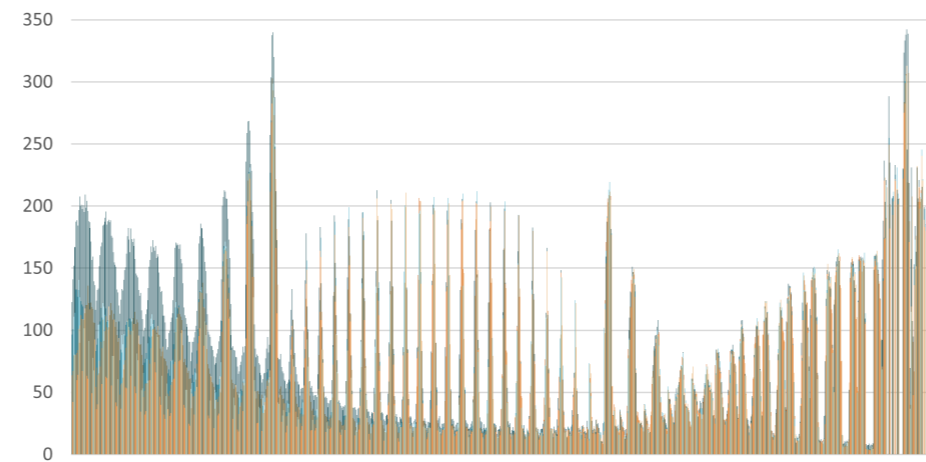


Annibale Alessandra
Chiesa Emily
Prelli Giulia

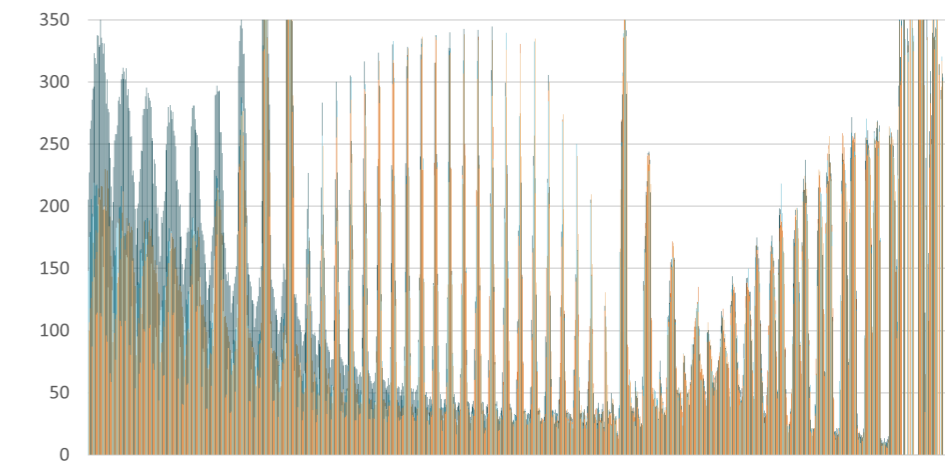
9.00



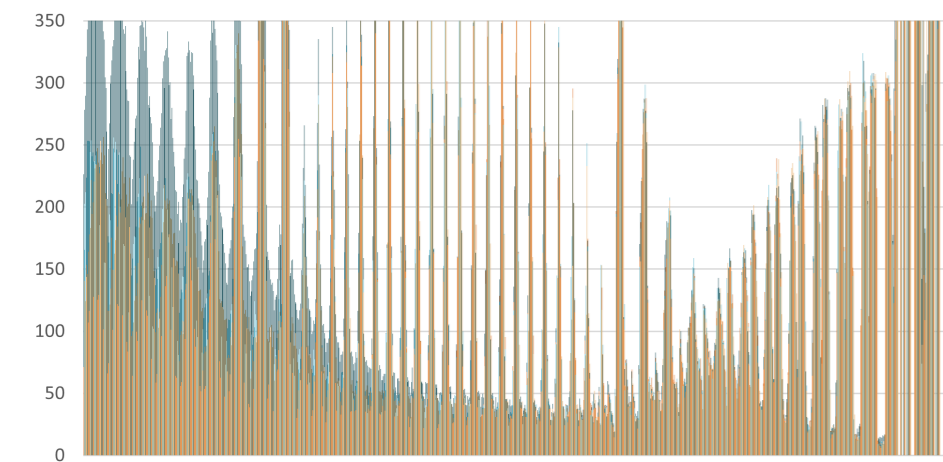
10.00



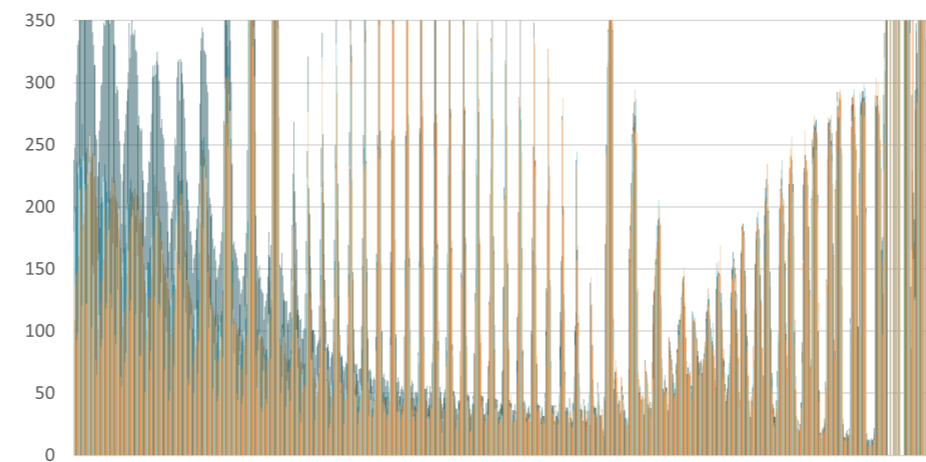
11.00



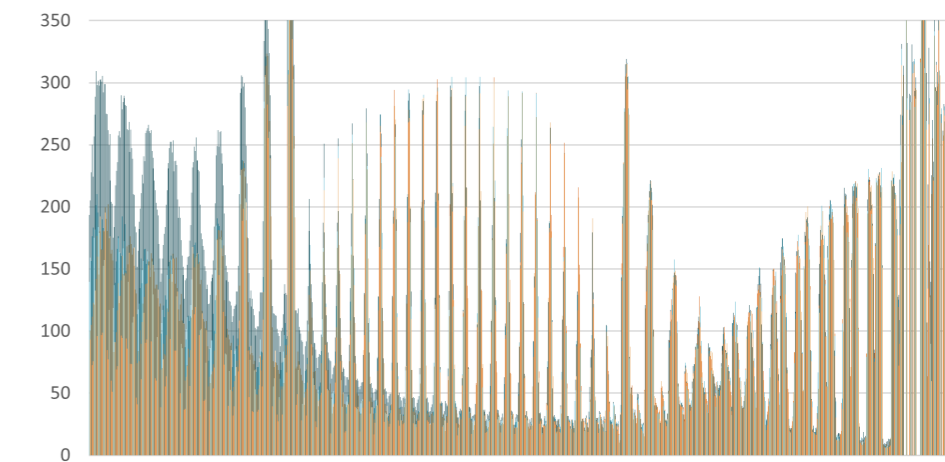
12.00



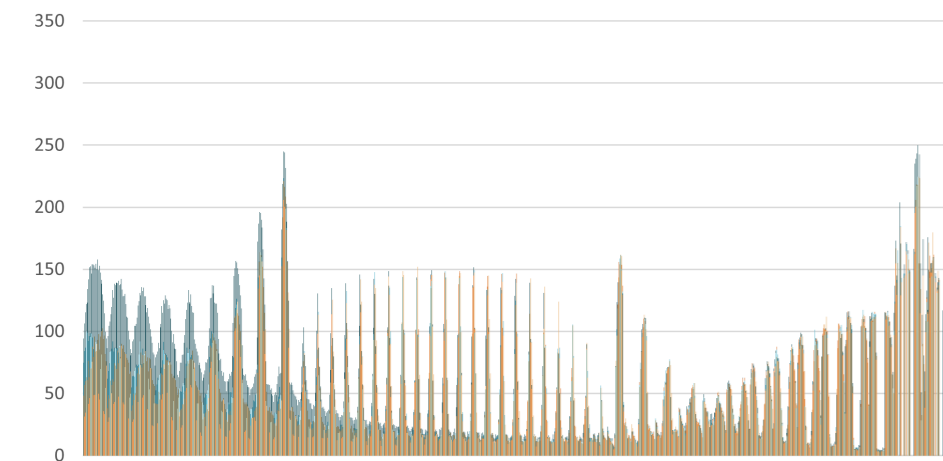
13.00



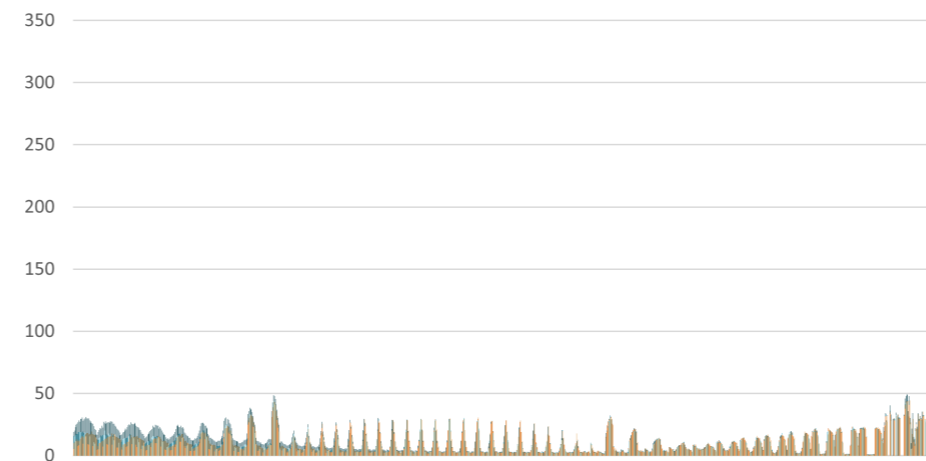
14.00



15.00



16.00



LEGENDA

- CP1
- CP2
- CP3
- CP4

253 CONFRONTO RISULTATI
21 DICEMBRE - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

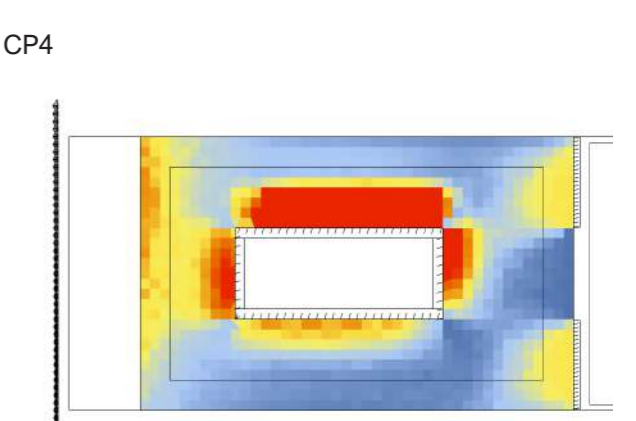
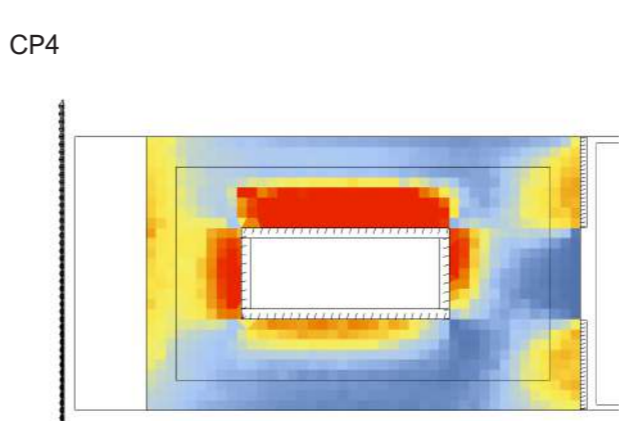
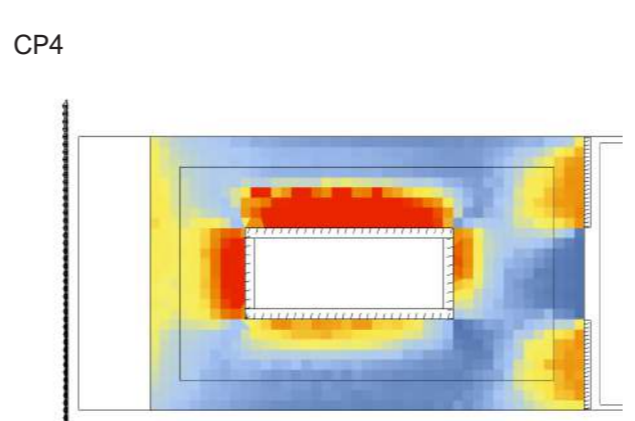
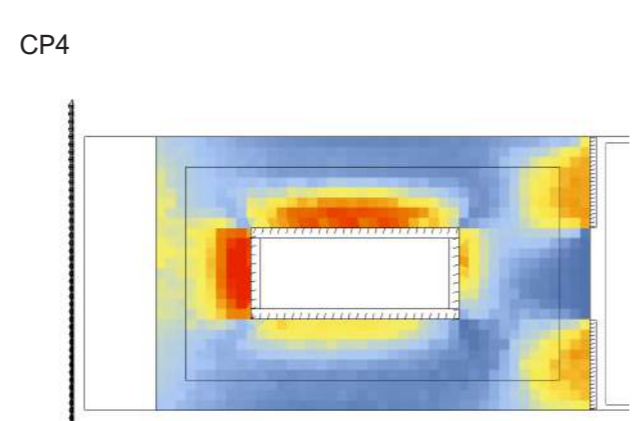
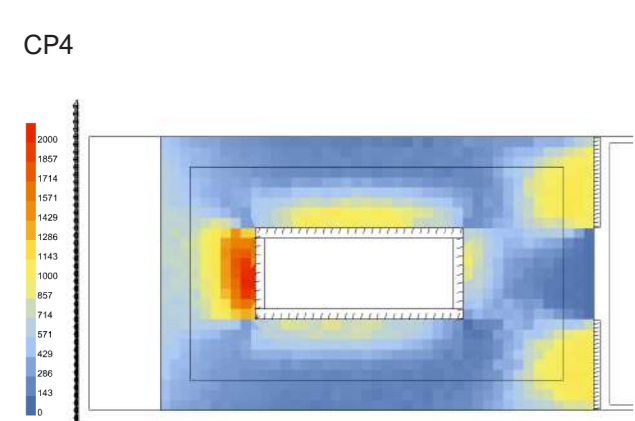
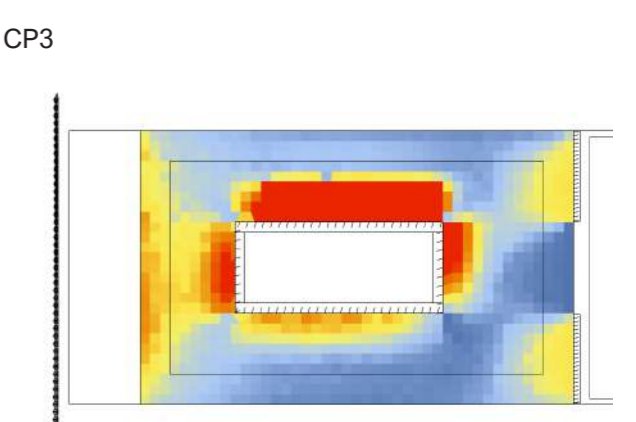
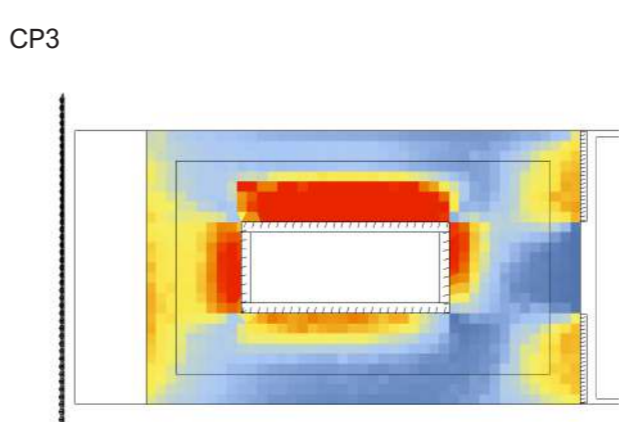
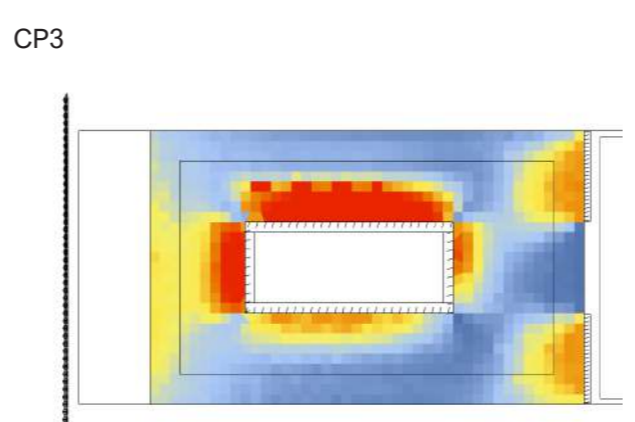
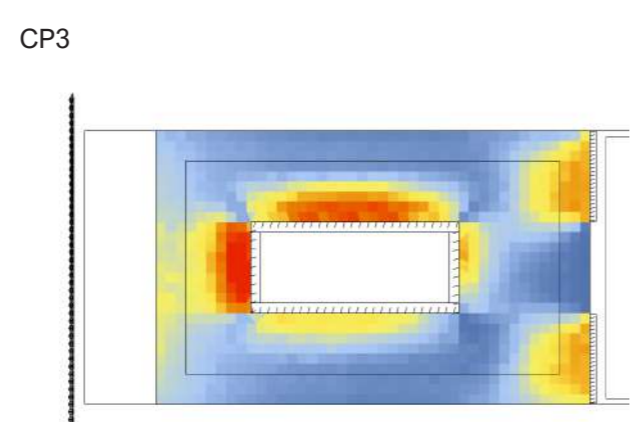
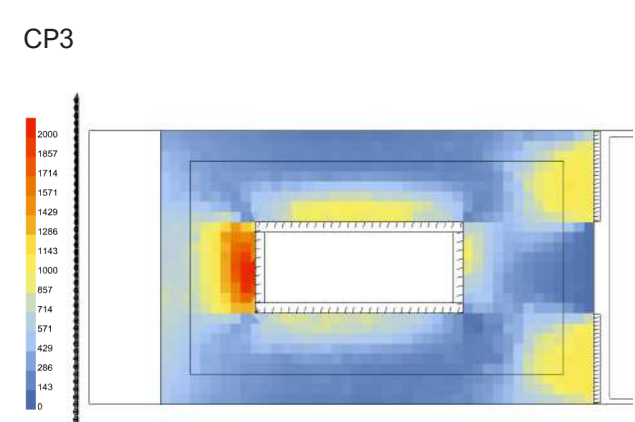
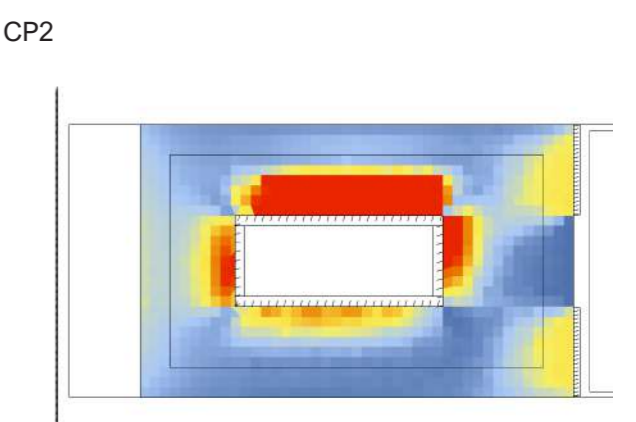
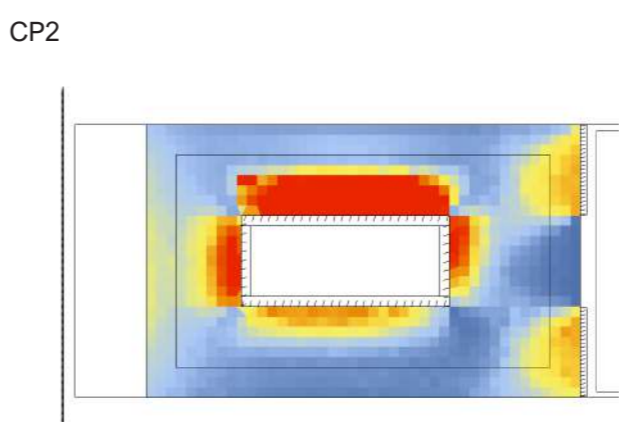
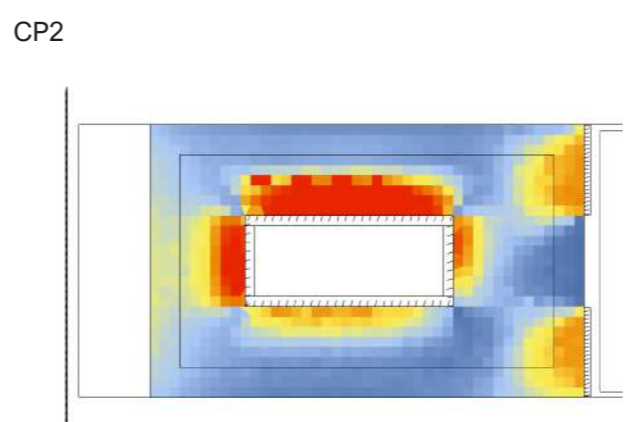
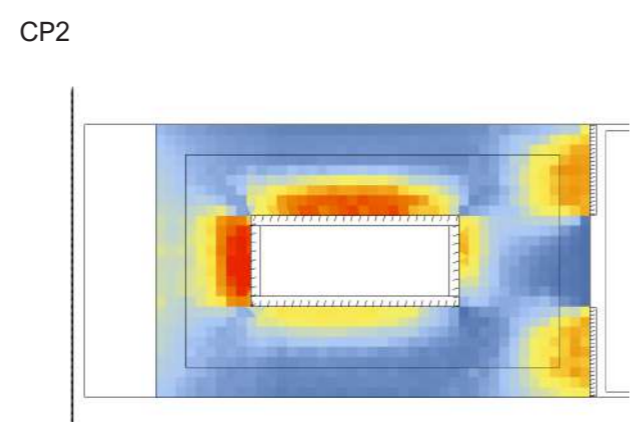
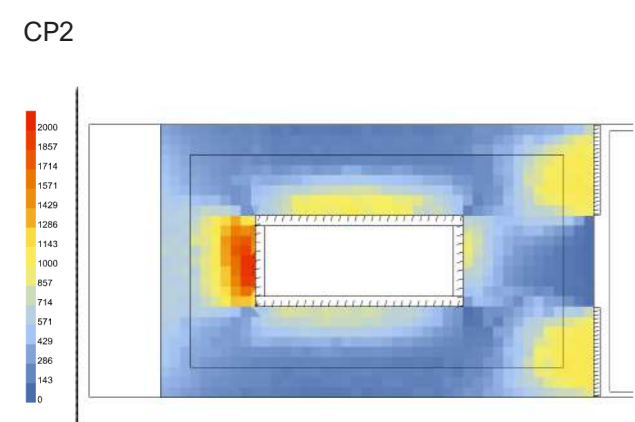
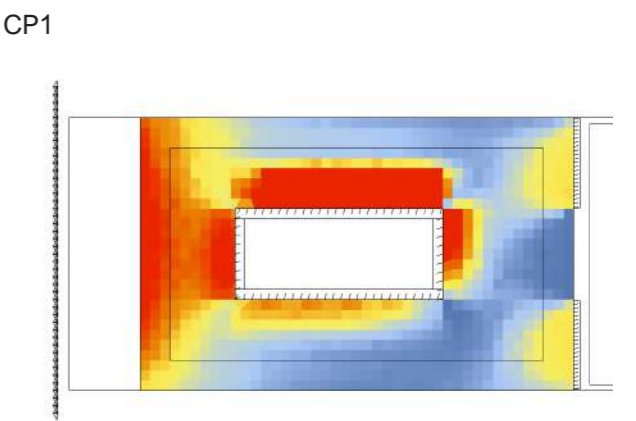
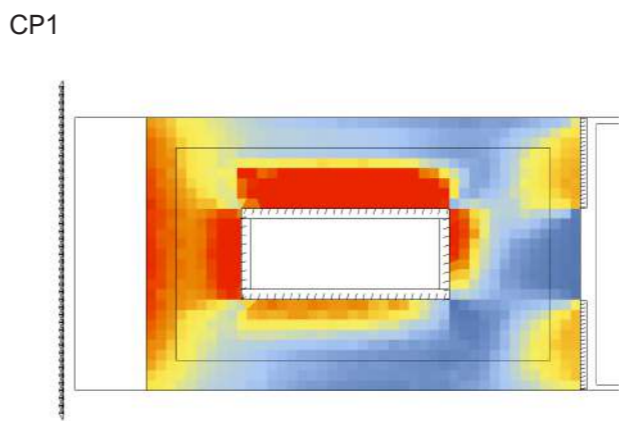
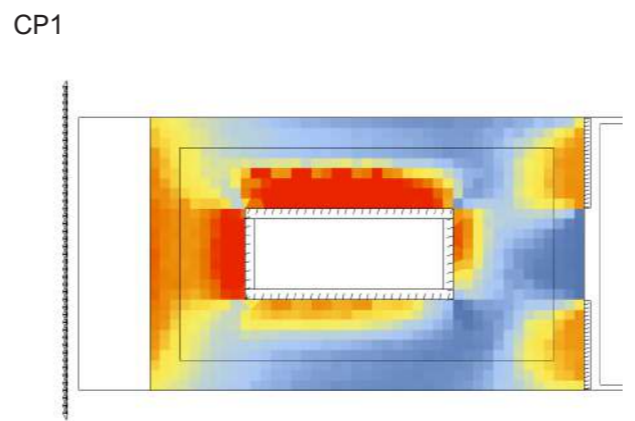
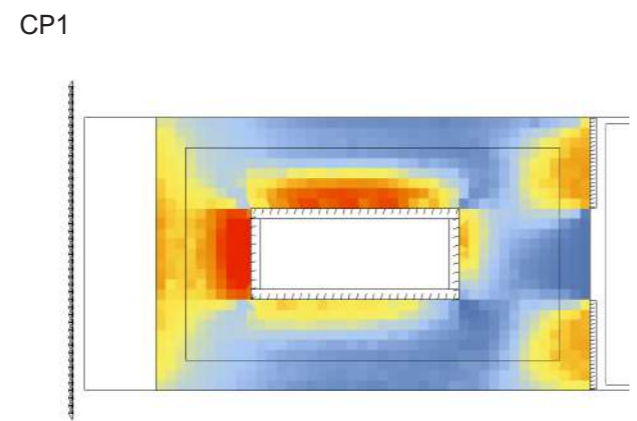
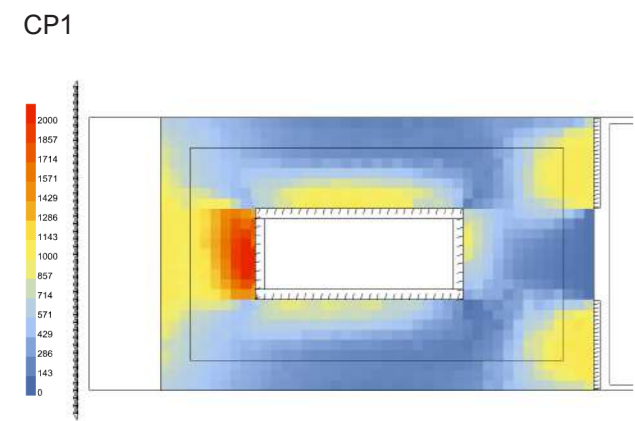
9.00

10.00

11.00

12.00

13.00



254 SCELTA CONFIGURAZIONE
21 MARZO - P2

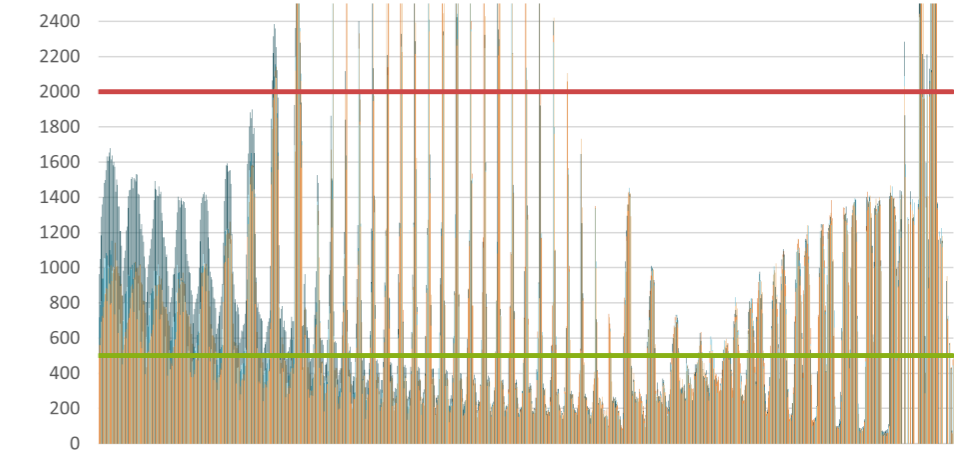
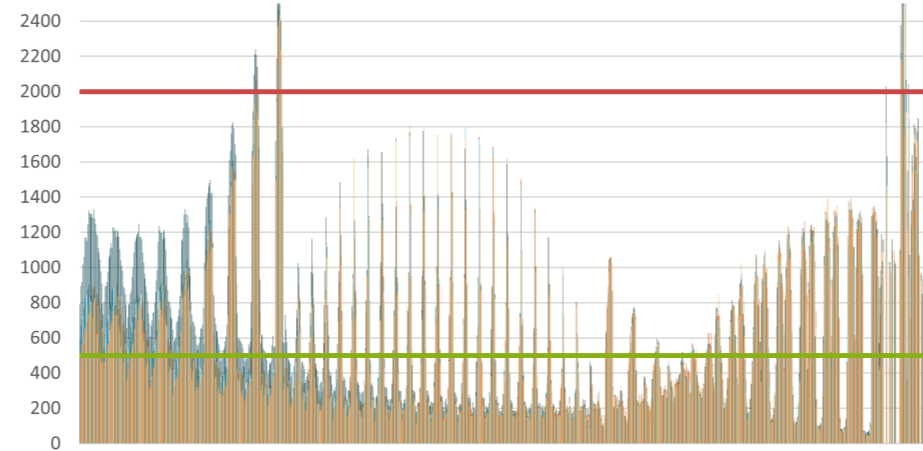
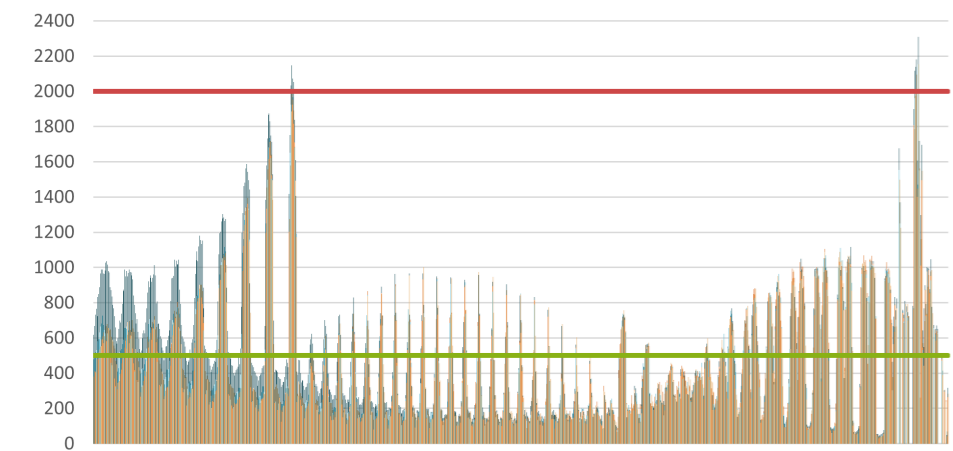


Annibale Alessandra
Chiesa Emily
Prelli Giulia

9.00

10.00

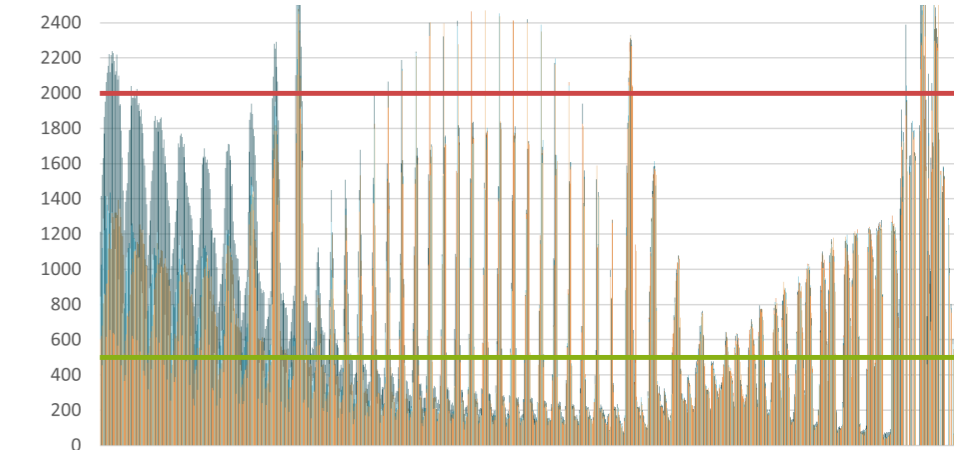
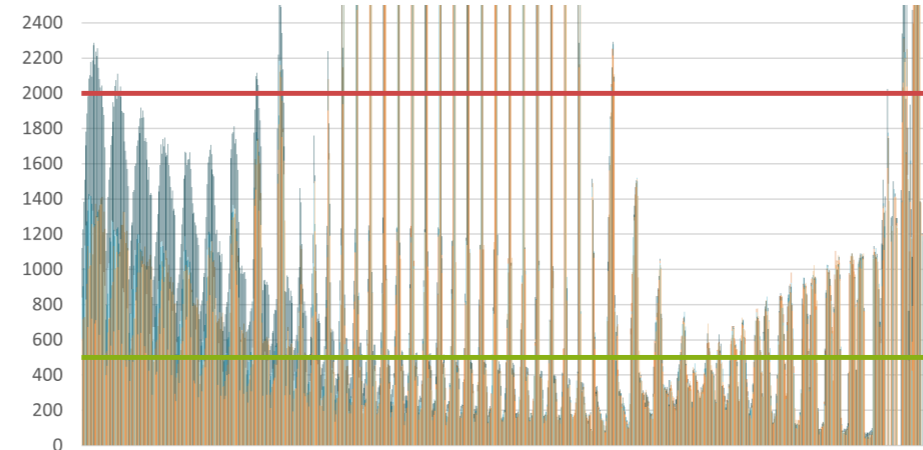
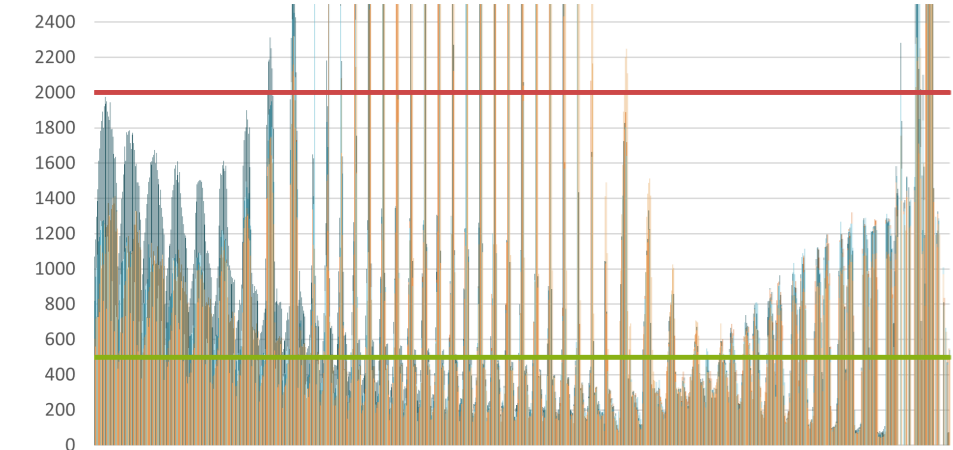
11.00



12.00

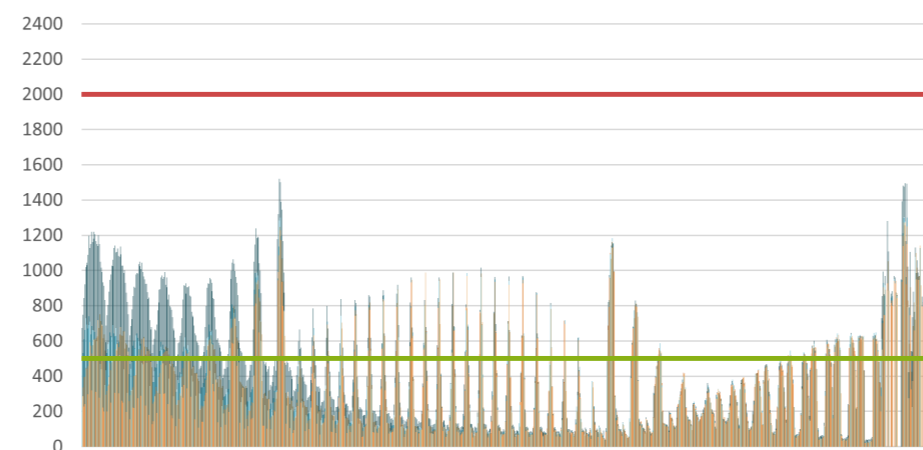
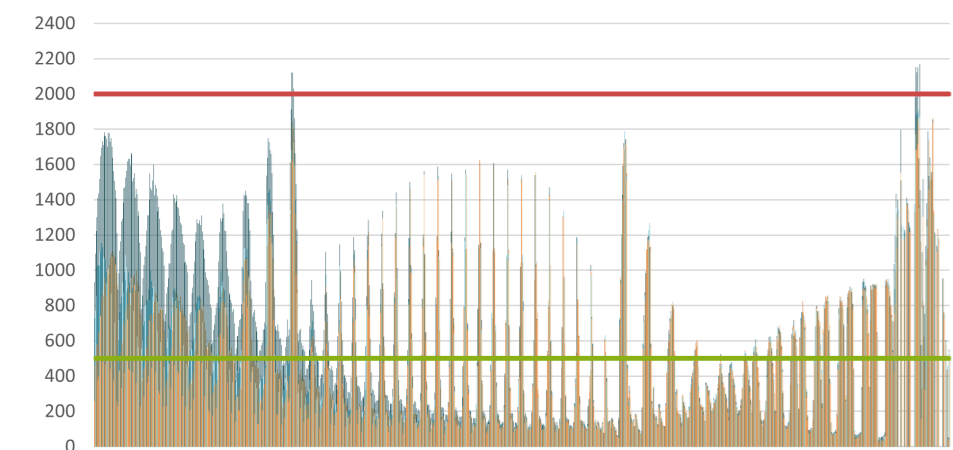
13.00

14.00



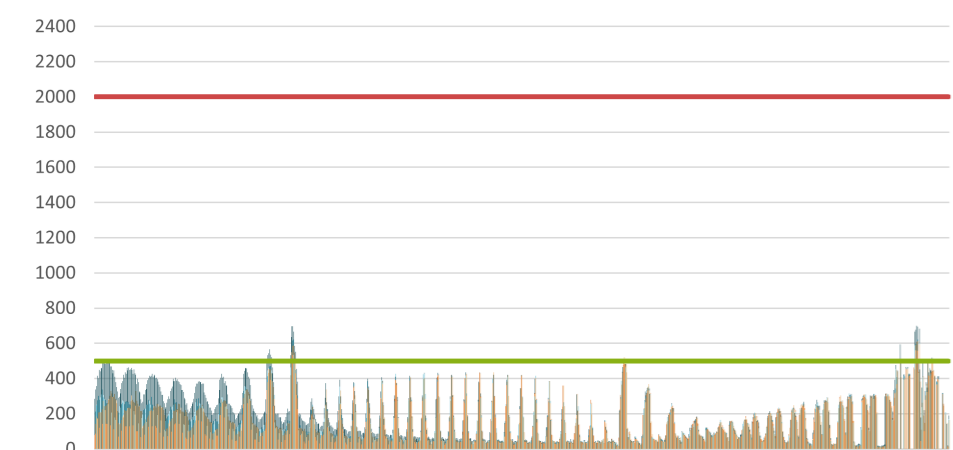
15.00

16.00



17.00

18.00



LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

256 CONFRONTO RISULTATI
21 MARZO - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

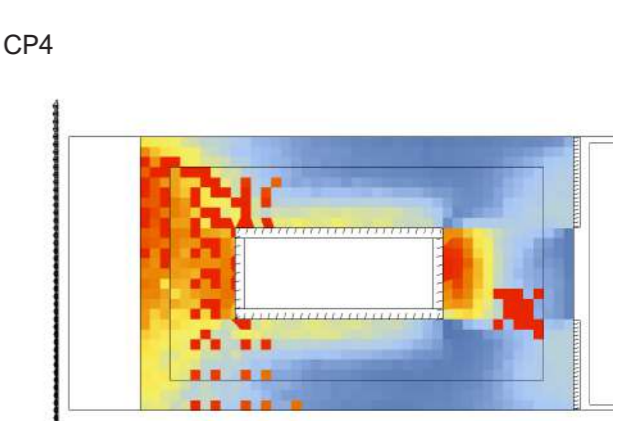
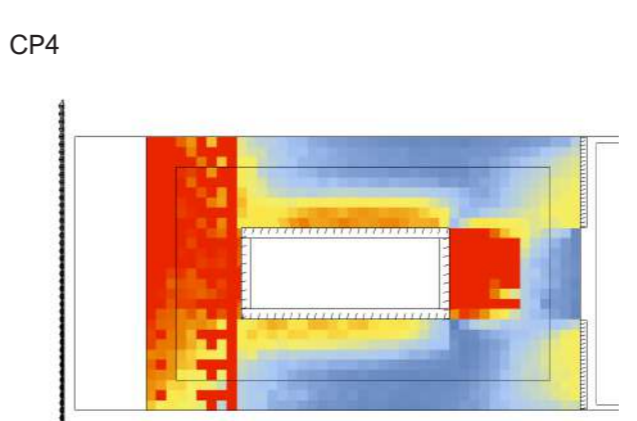
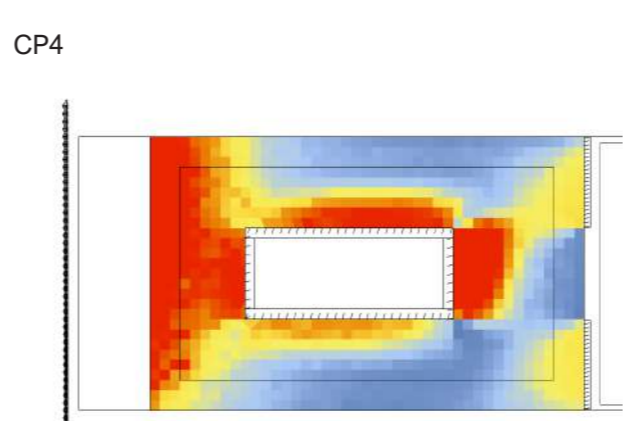
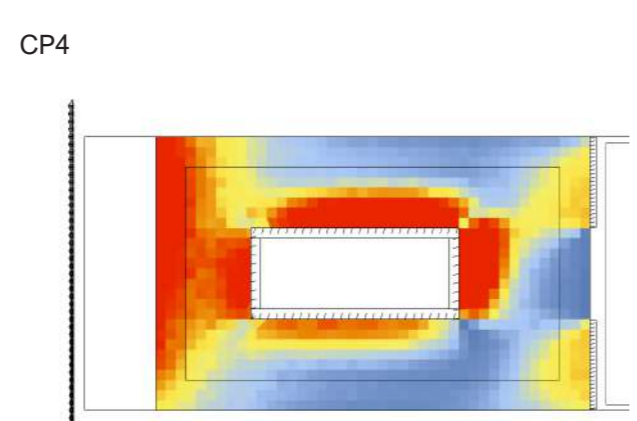
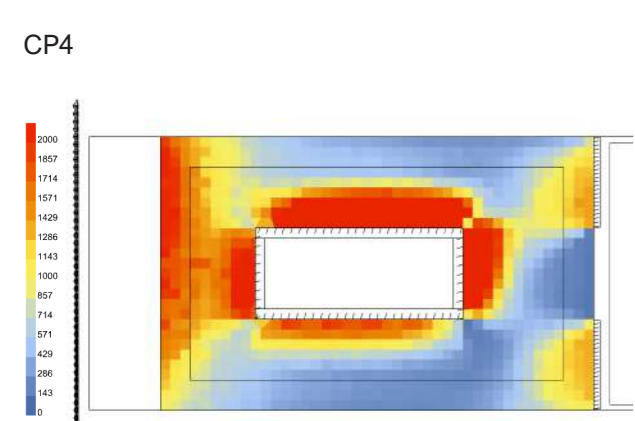
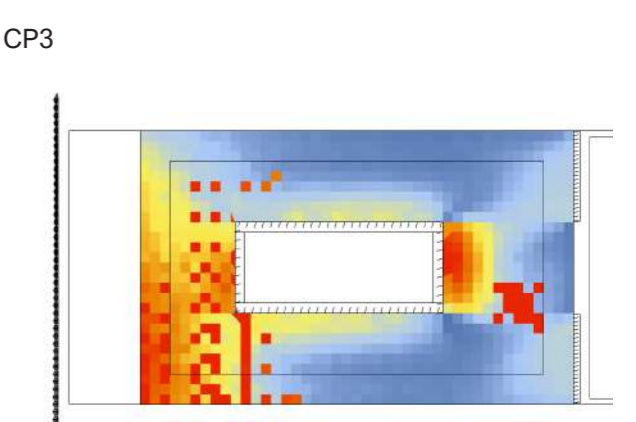
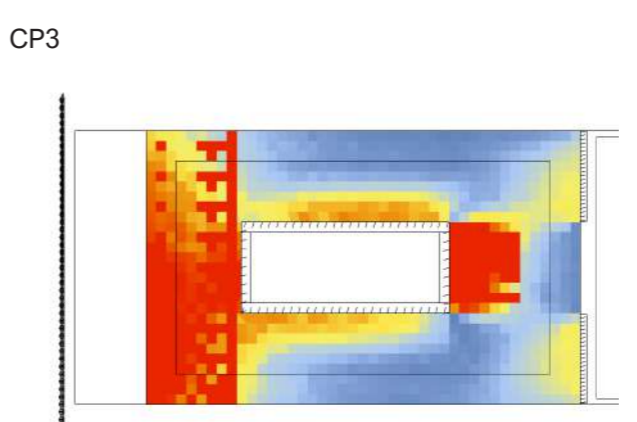
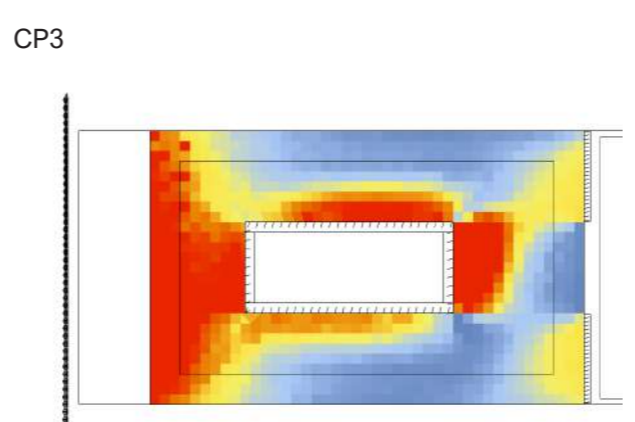
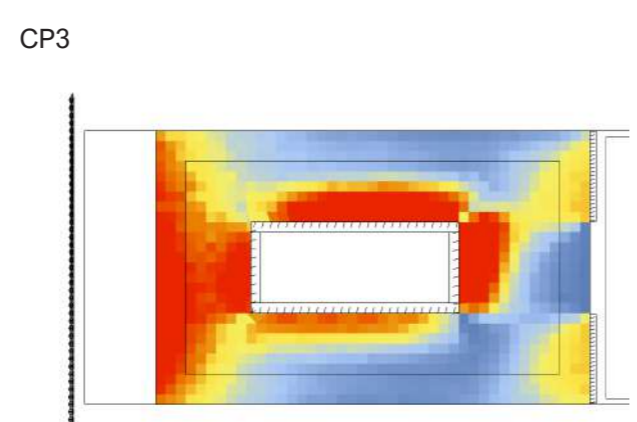
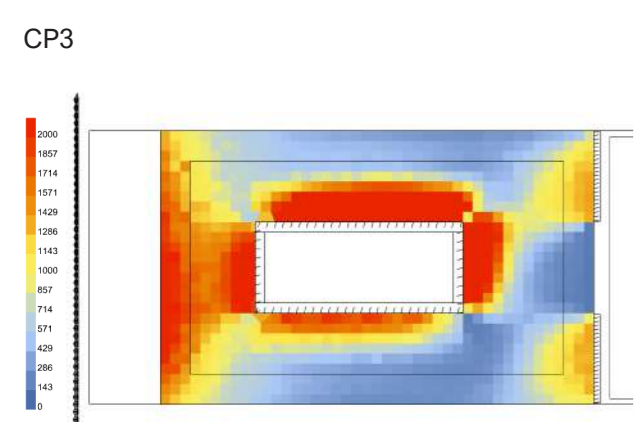
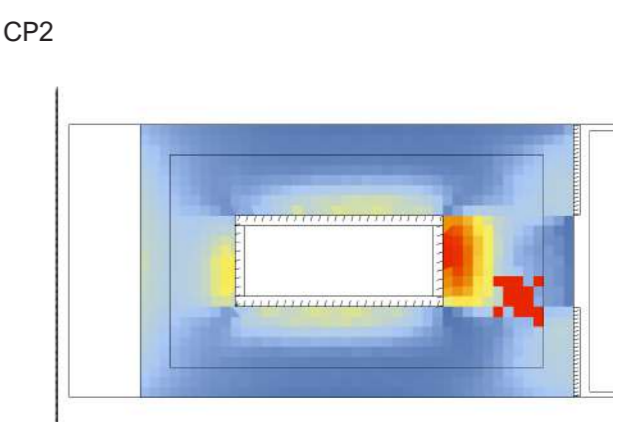
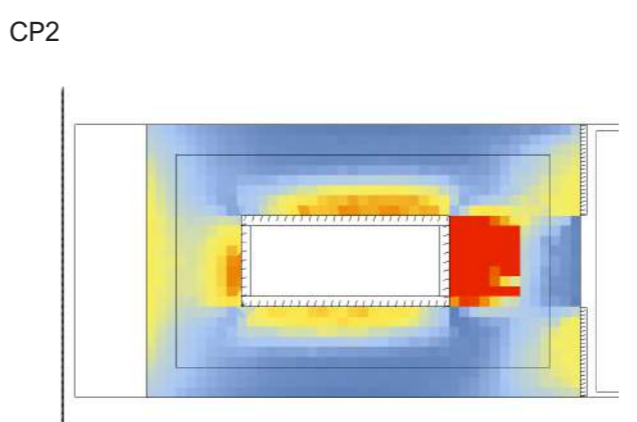
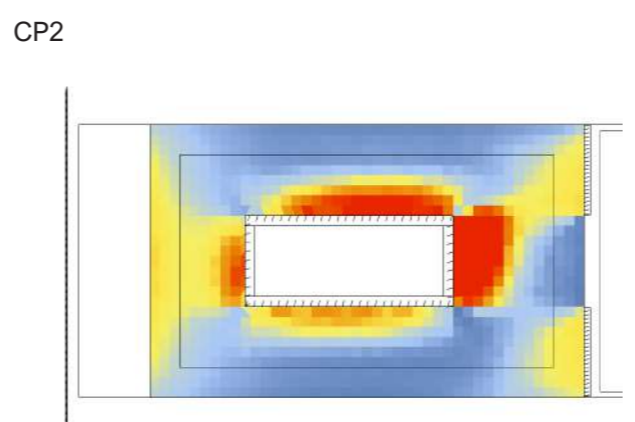
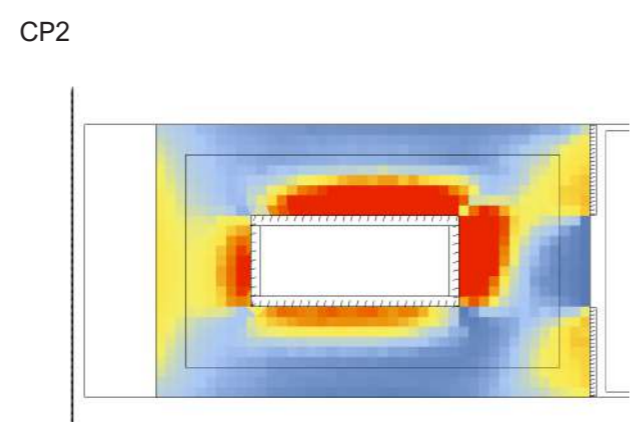
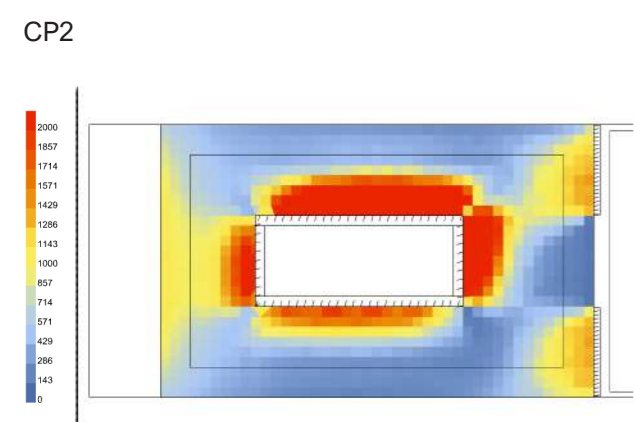
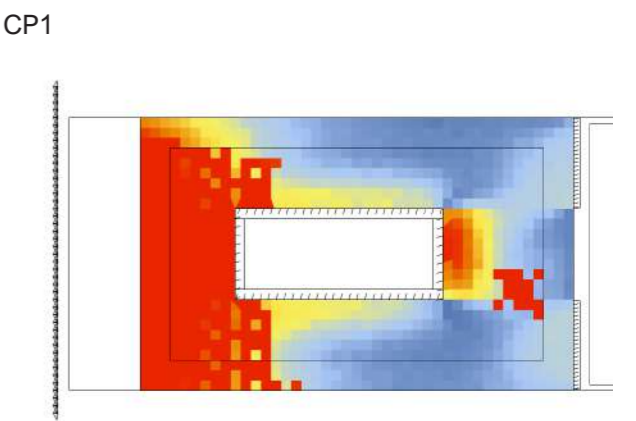
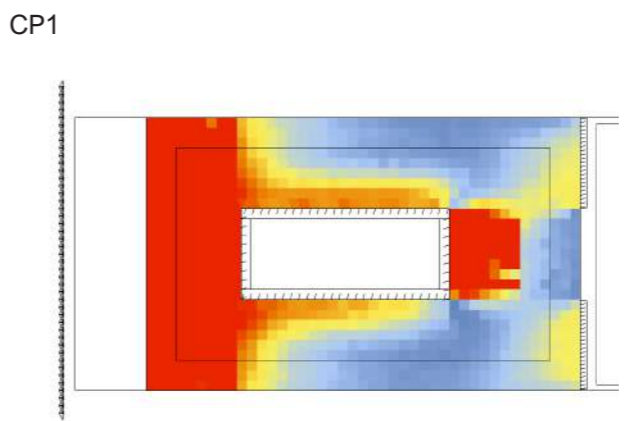
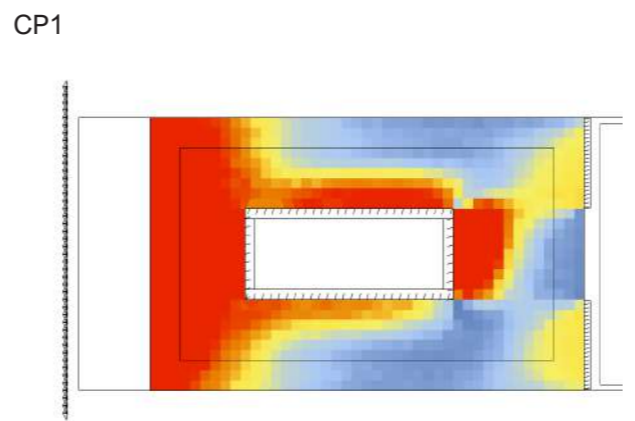
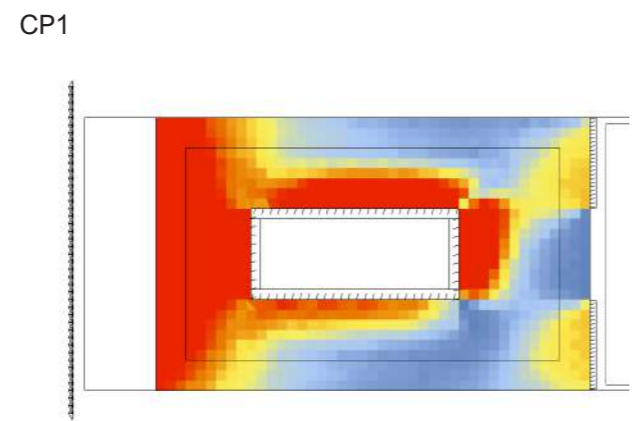
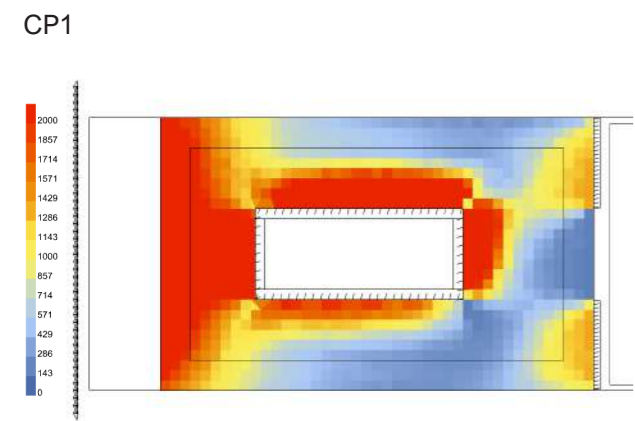
14.00

15.00

16.00

17.00

18.00



258 SCELTA CONFIGURAZIONE
21 GIUGNO - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

17.00

18.00

LEGENDA

CP1

CP2

CP3

CP4

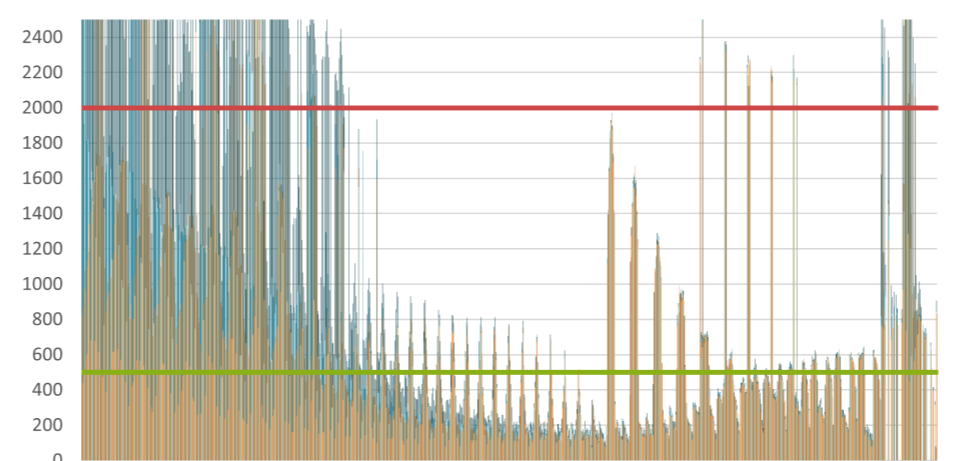
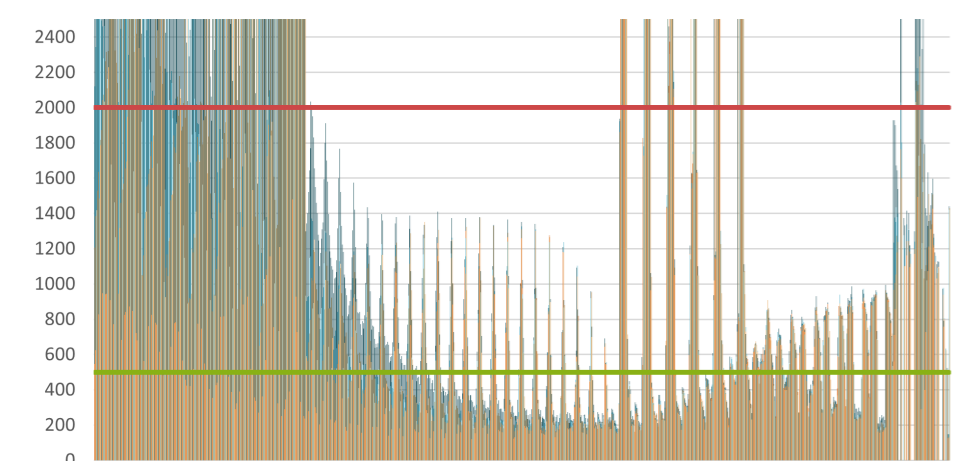
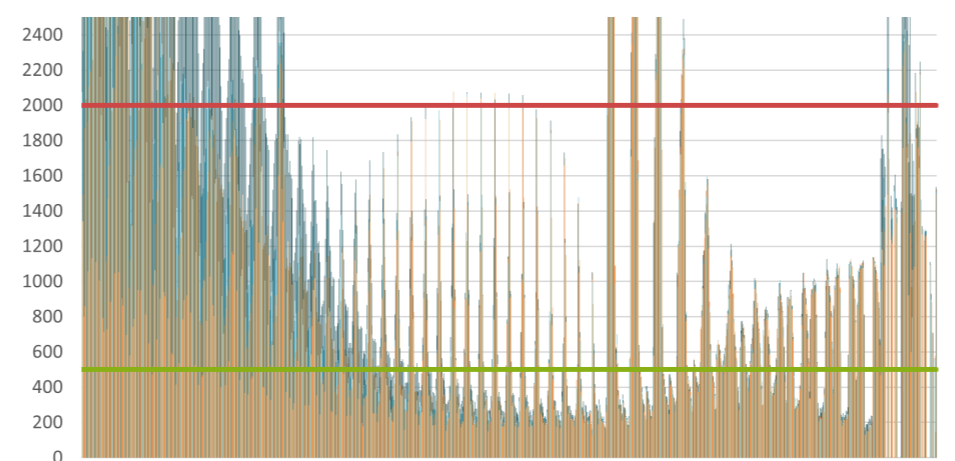
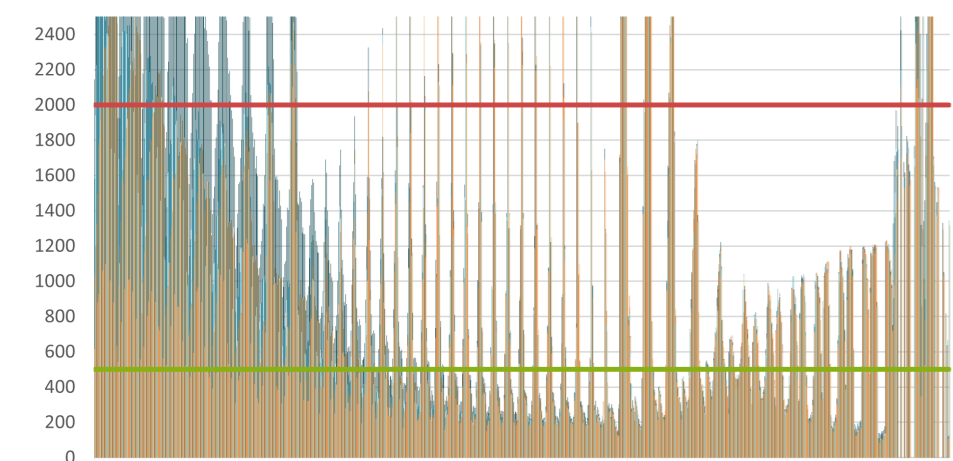
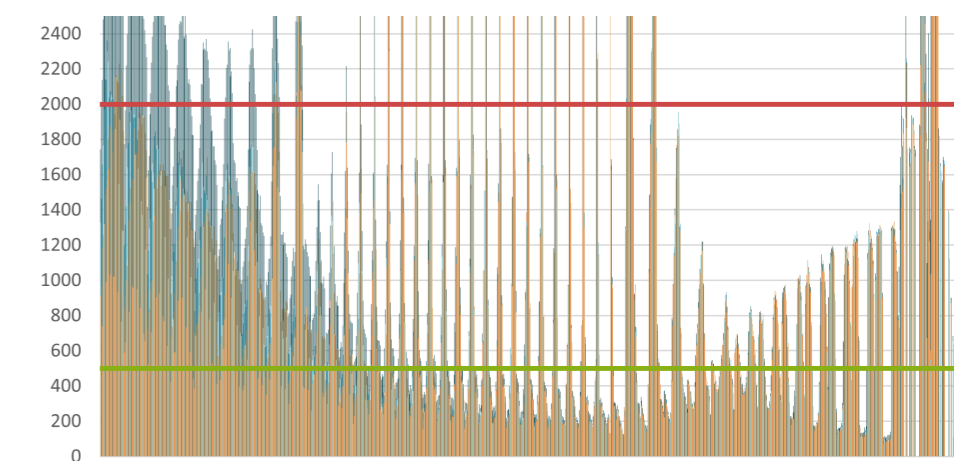
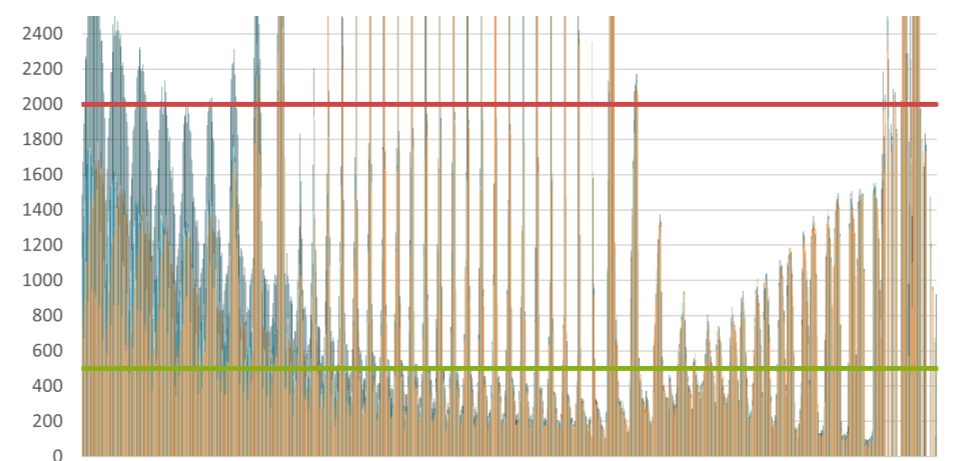
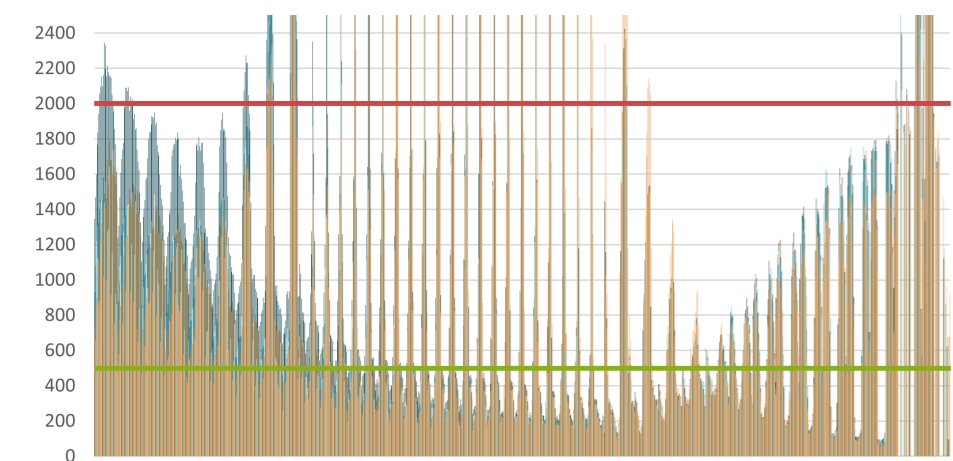
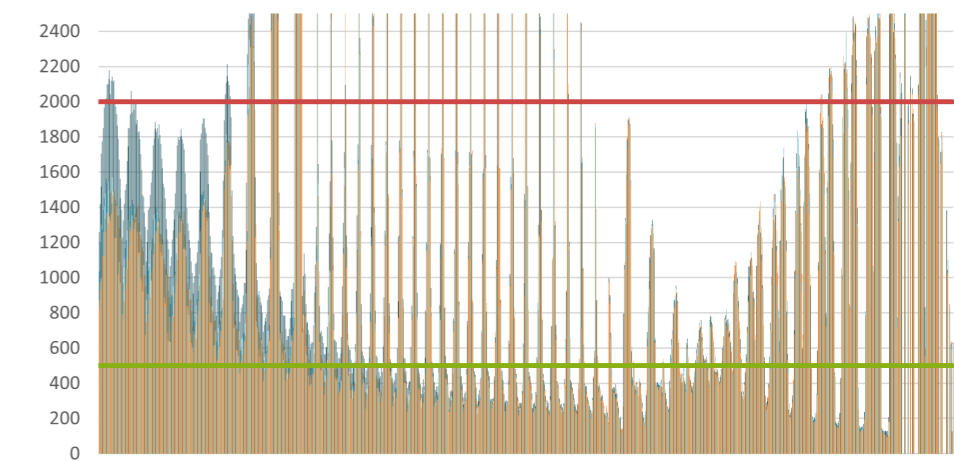
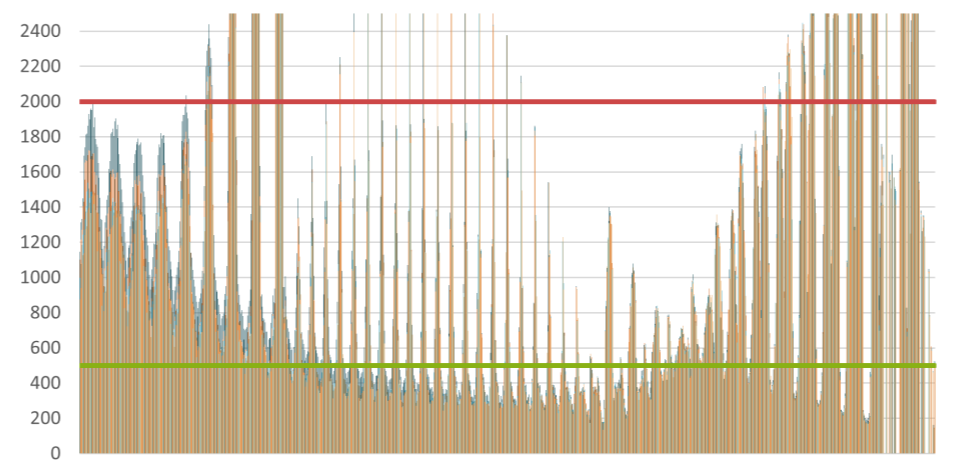
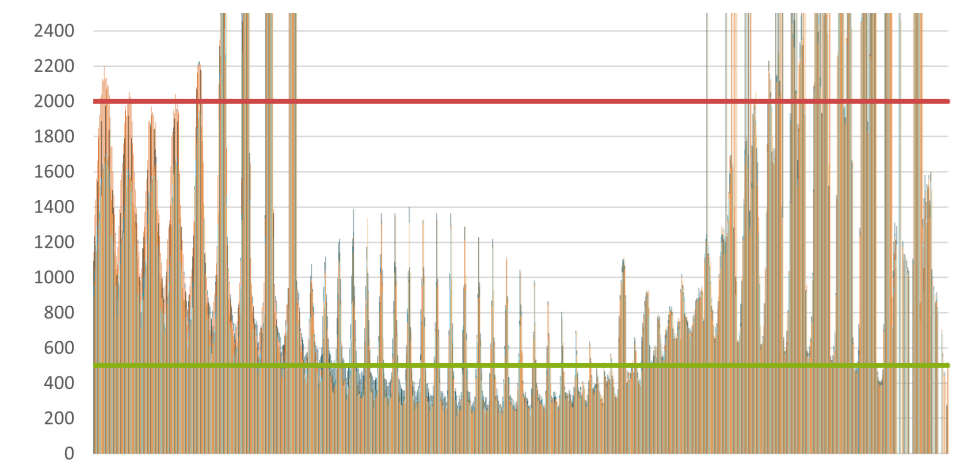
Max 2000 lux

Min 500 lux

259 CONFRONTO RISULTATI
21 GIUGNO - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia



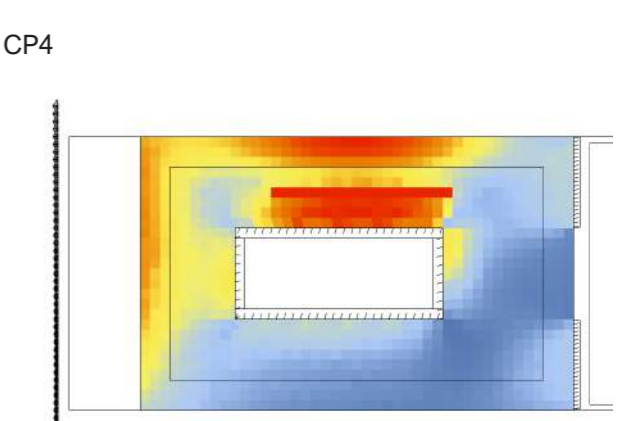
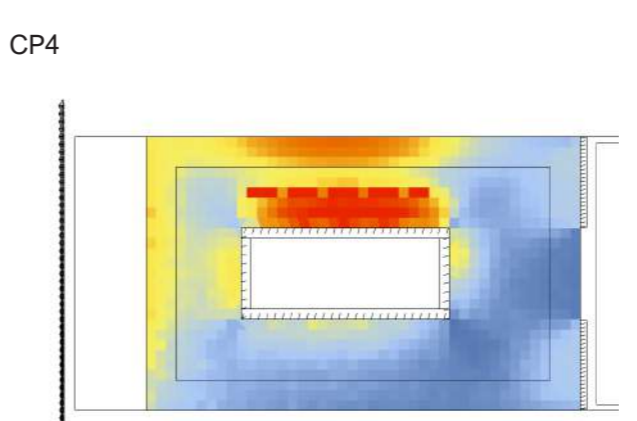
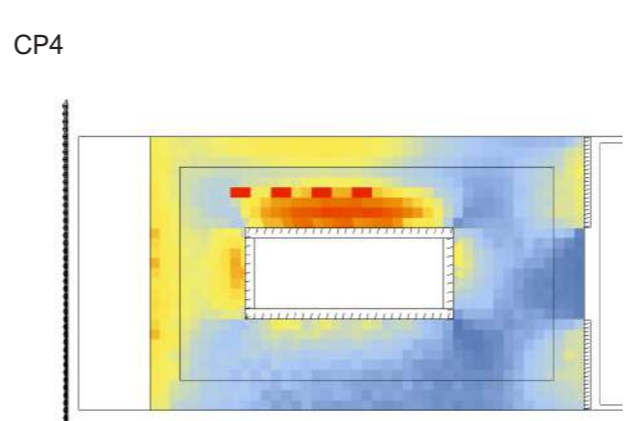
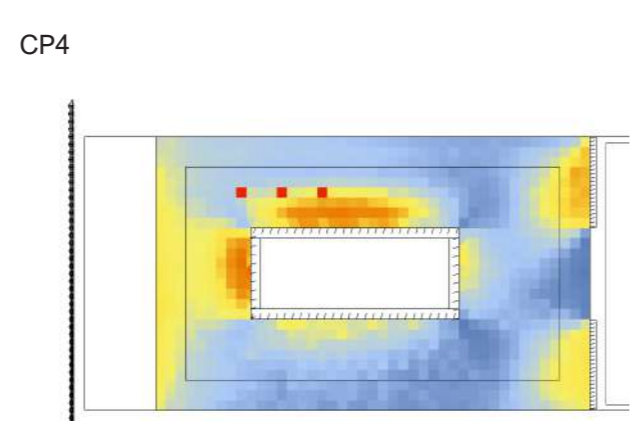
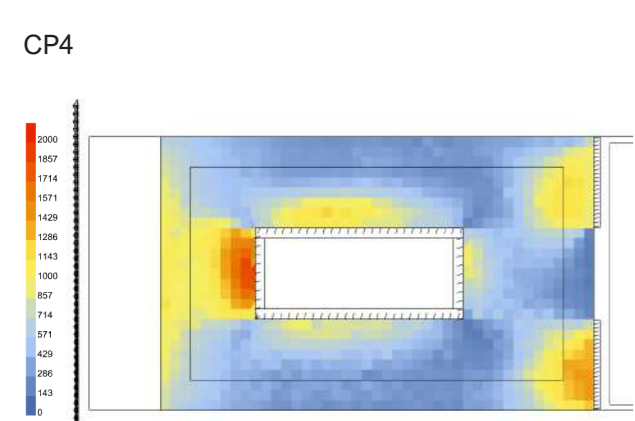
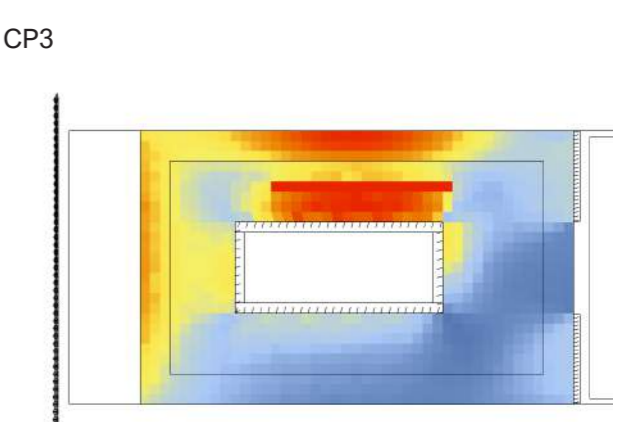
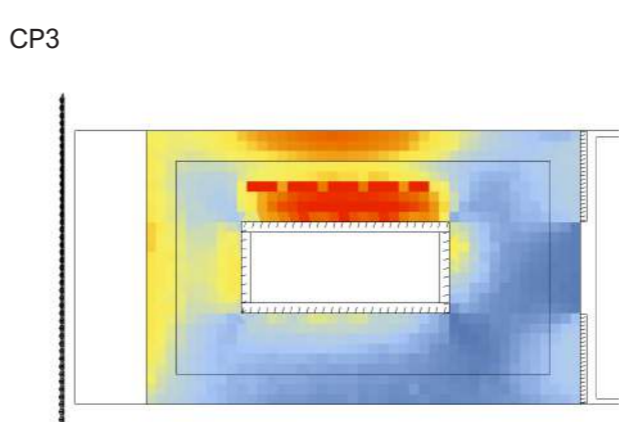
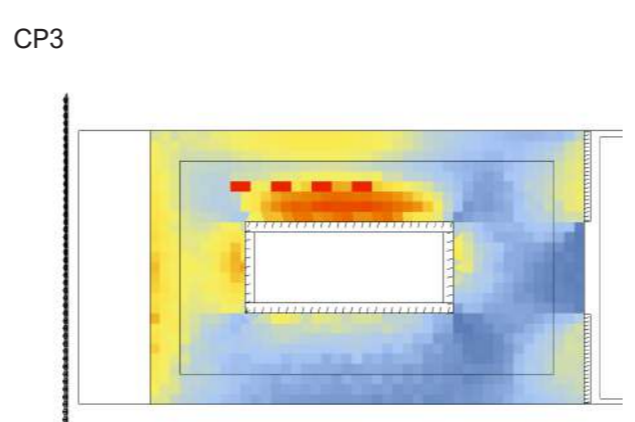
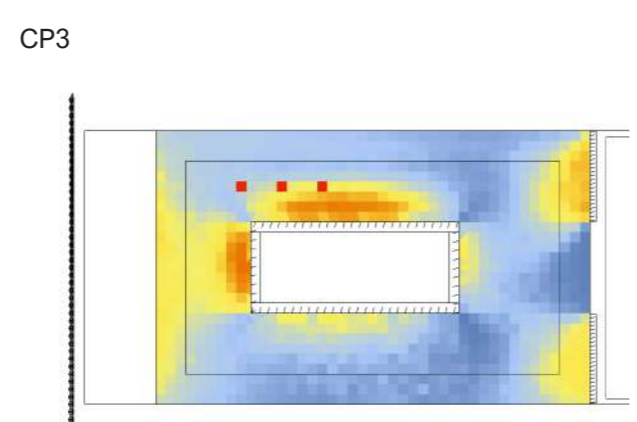
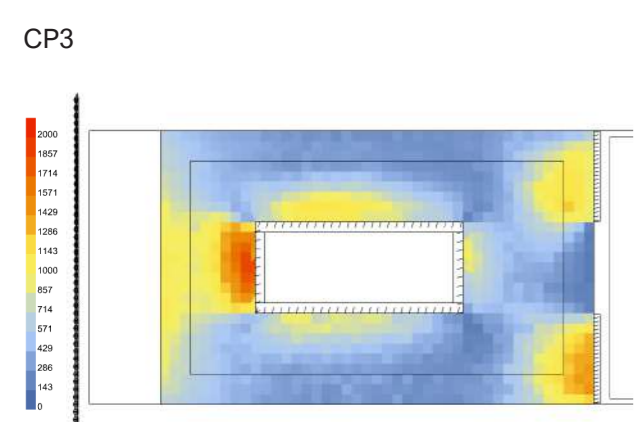
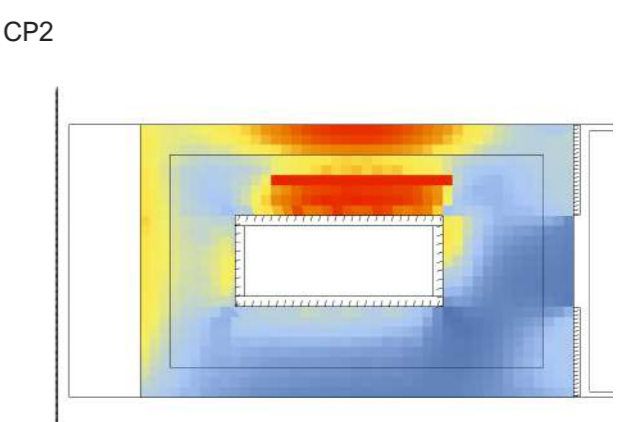
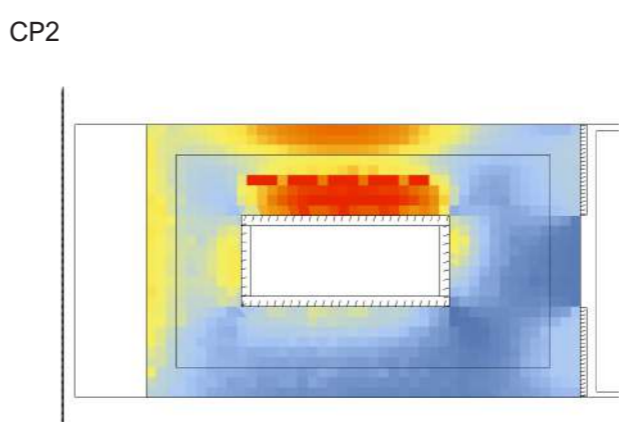
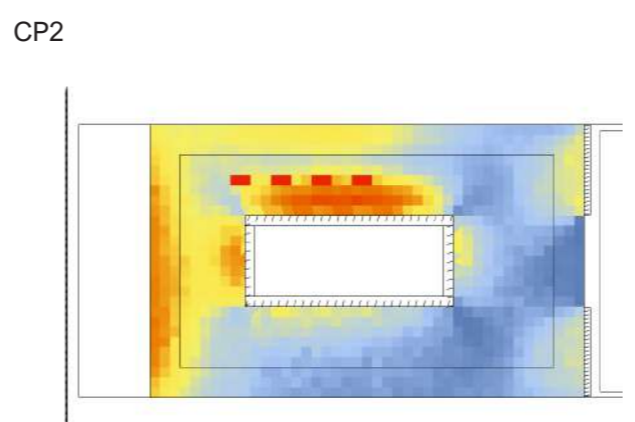
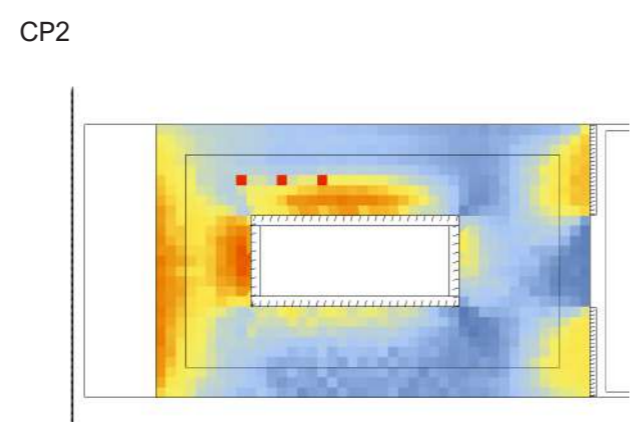
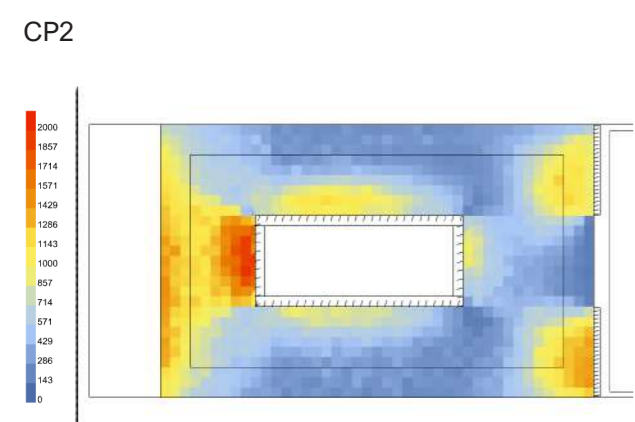
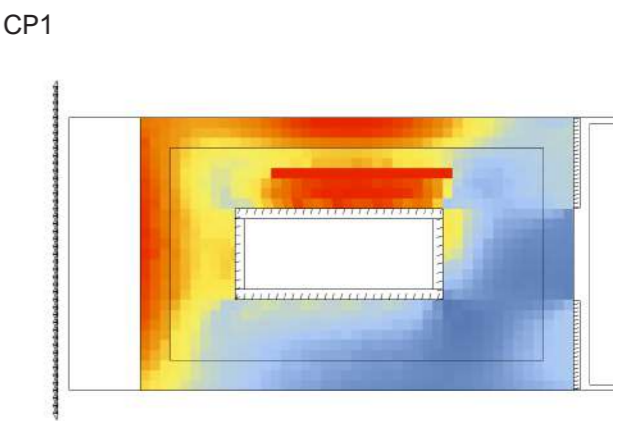
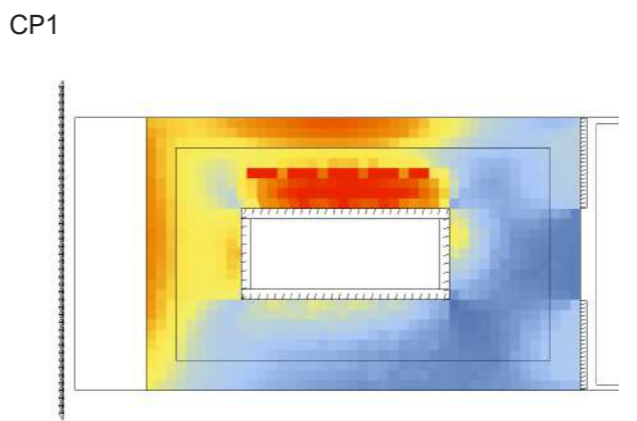
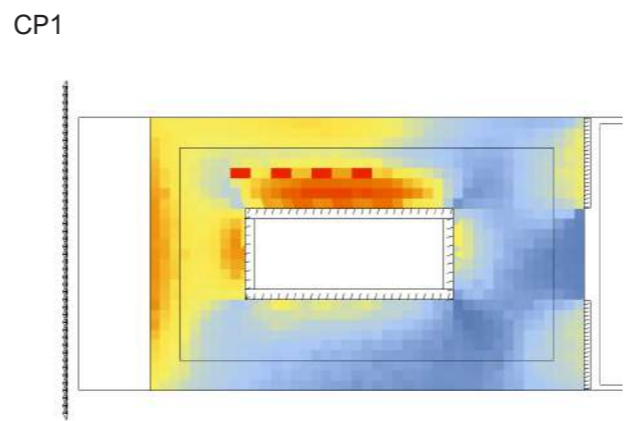
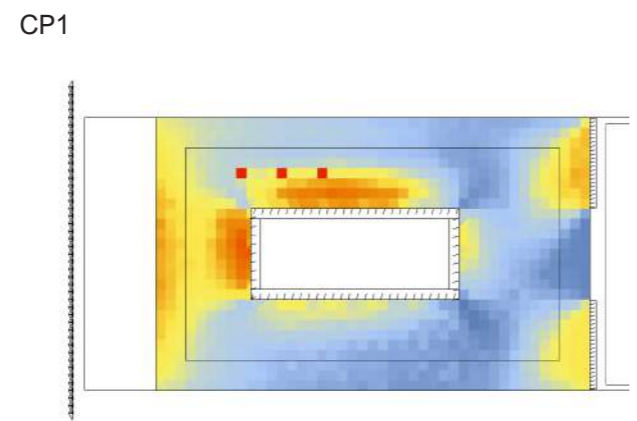
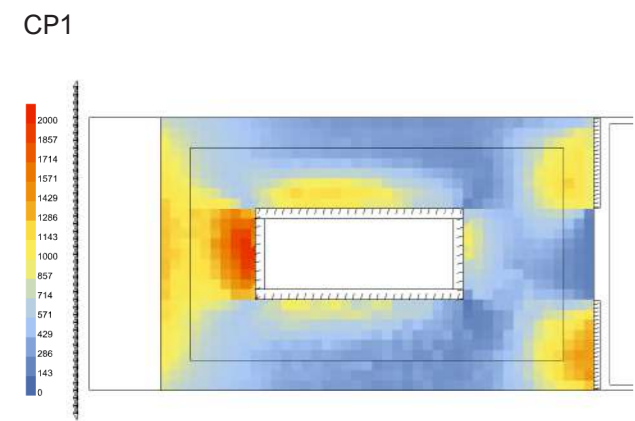
9.00

10.00

11.00

12.00

13.00



260 SCELTA CONFIGURAZIONE
23 SETTEMBRE- P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

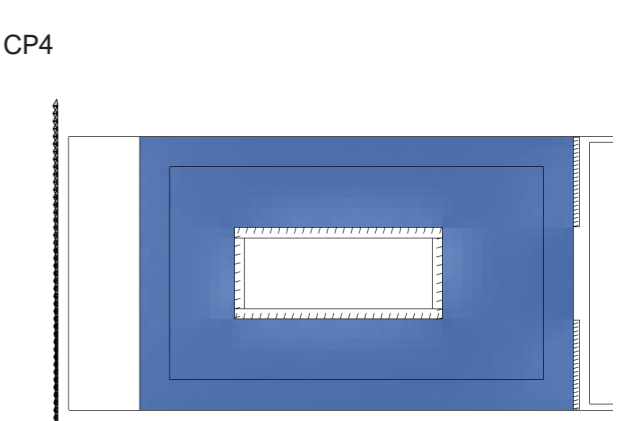
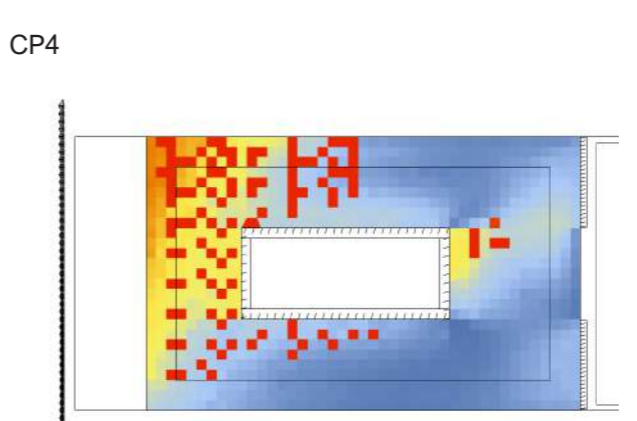
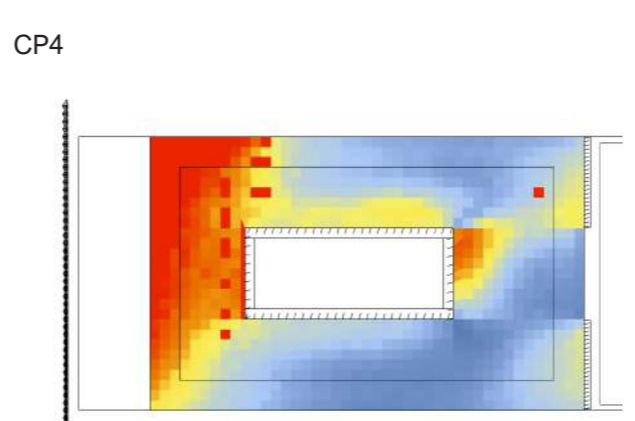
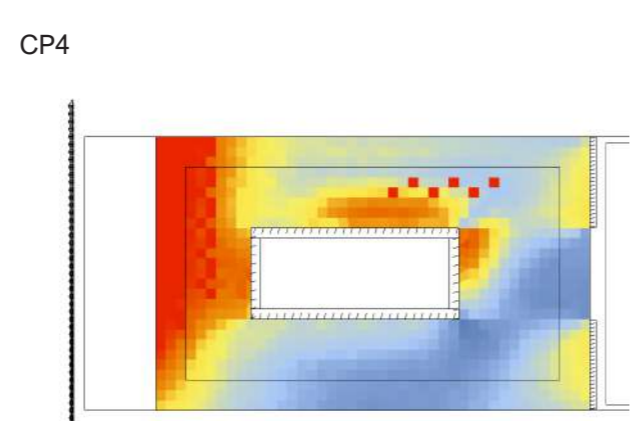
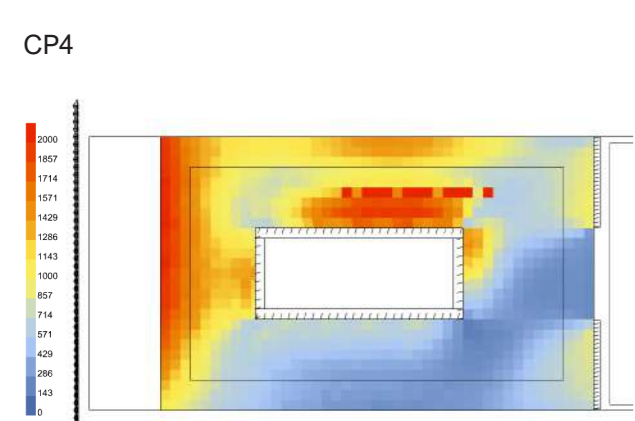
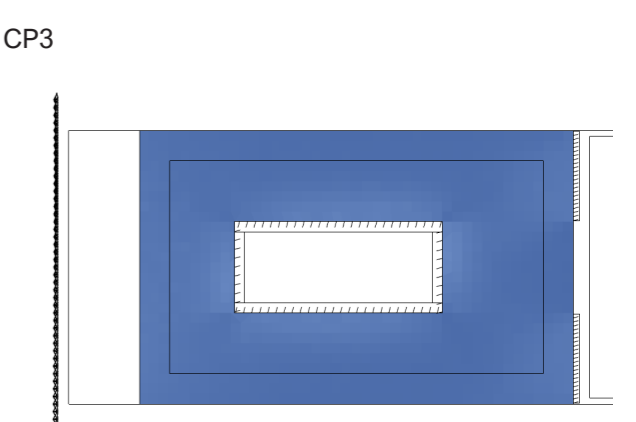
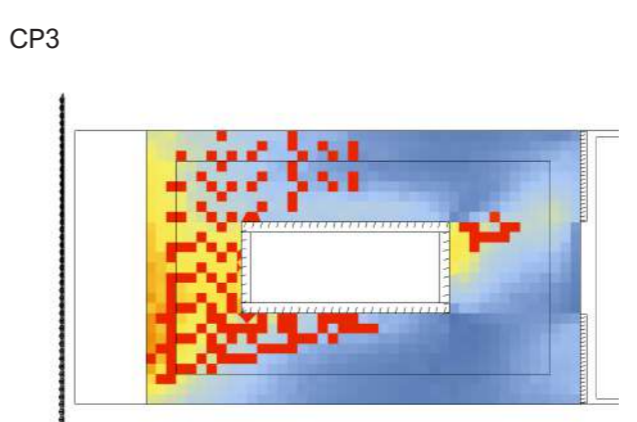
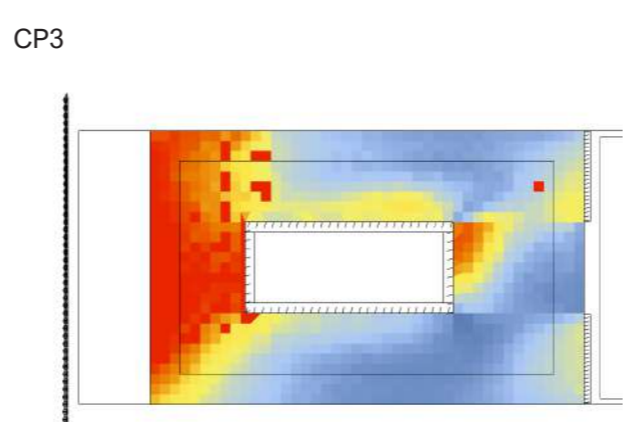
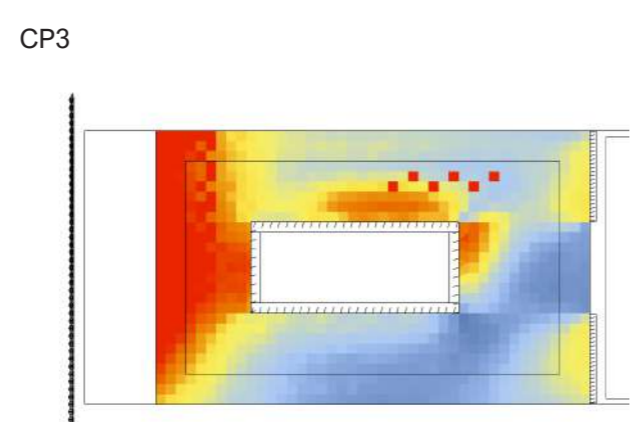
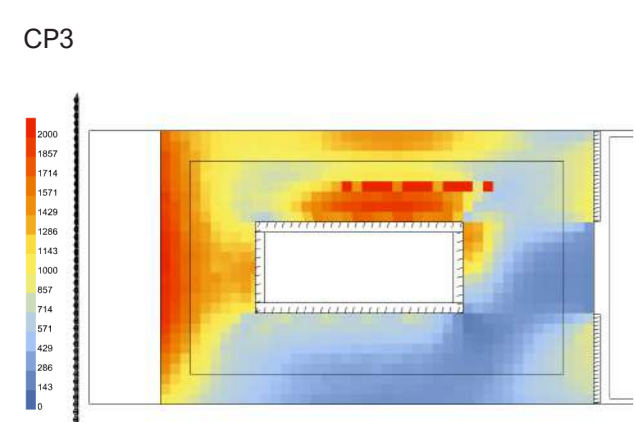
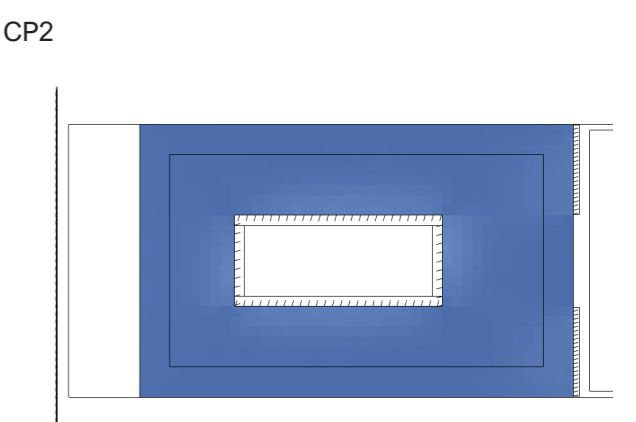
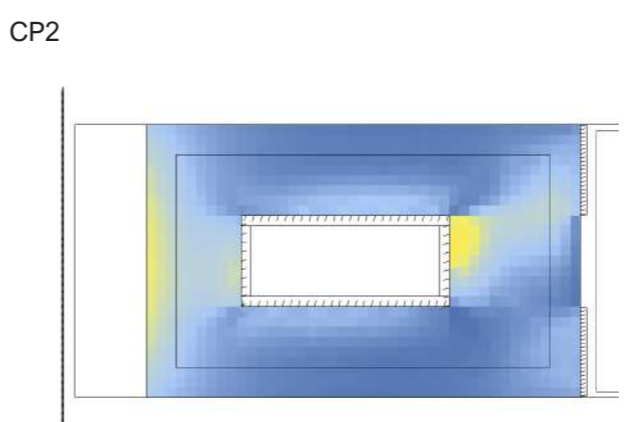
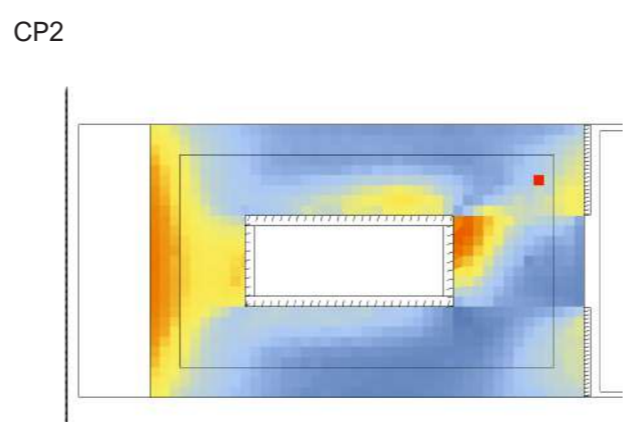
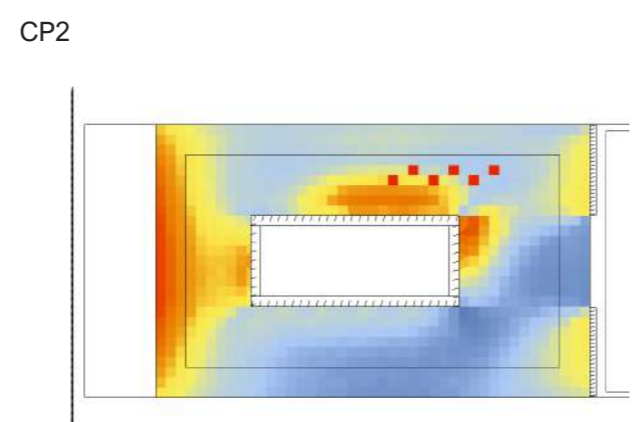
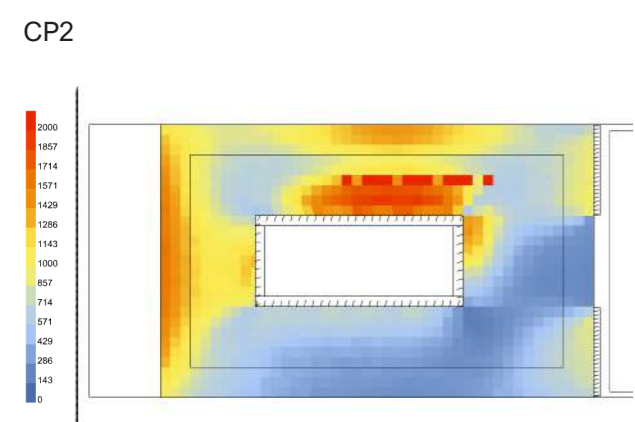
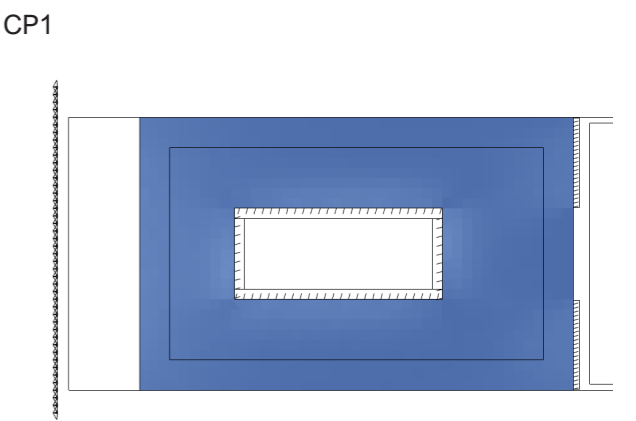
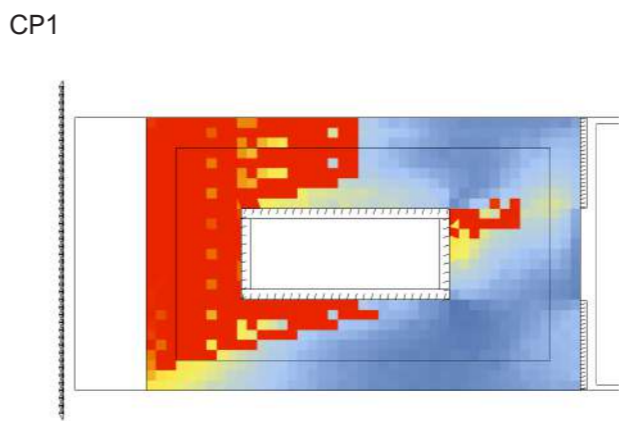
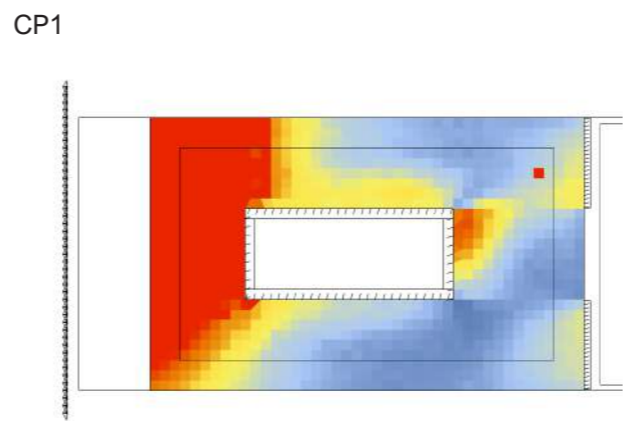
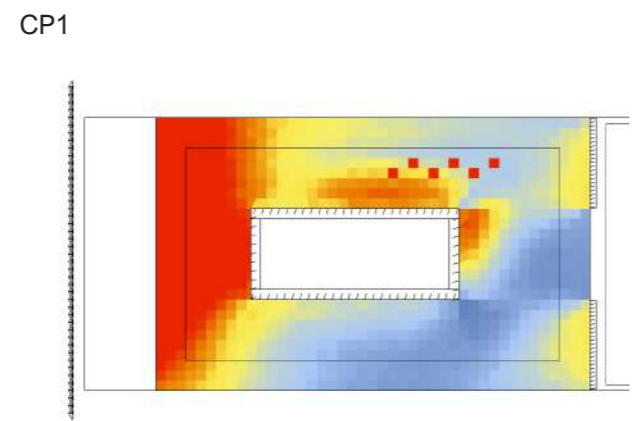
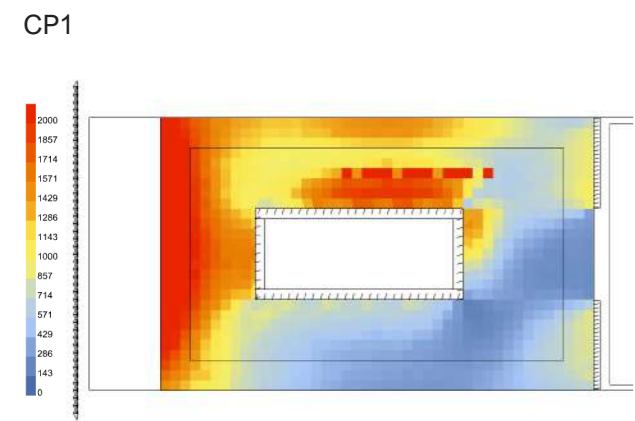
14.00

15.00

16.00

17.00

18.00



261 SCELTA CONFIGURAZIONE
23 SETTEMBRE - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

Illuminamento [lux]

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

17.00

18.00

LEGENDA

CP1

CP2

CP3

CP4

Max 2000 lux

Min 500 lux

262 CONFRONTO RISULTATI
23 SETTEMBRE - P2



Annibale Alessandra
Chiesa Emily
Prelli Giulia

