01 A LATENT ADVENTURE
ENHANCING THE POTENTIAL OF LANDSCAPE IN TEGLIO

■ REGIONAL ANALYSIS

Main reasons for hiking in Italy in 2020

- Exploring new places — 50.1%
- Spending time in nature — 48.6%
- Physical/mental well-being — 45.8%
- Going trekking — 35.8%
- Cultural reasons — 32.8%
- Making new experiences
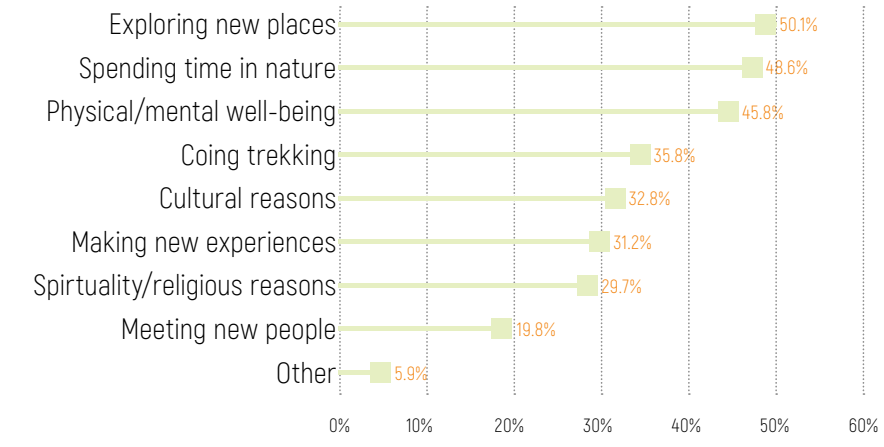- Spirituality/religious reasons
- Meeting new people
- Other — 5.0%

Figure shows the motivation of both the Italians and internationals who did hike in Italy. The sample size was 32671 participants and >95% were of Italian nationality. Of the responders,50.1% hiked with the reason to explore new places, 48.6% of hikers had as motivation to spend time in nature, 45.8% for physical and mental well-being, 35.8% went trekking, 32.8% for cultural reasons.

According to a 2020 survey focusing on Italian and international hikers, exploring new places was one of the main reasons for hiking in Italy.
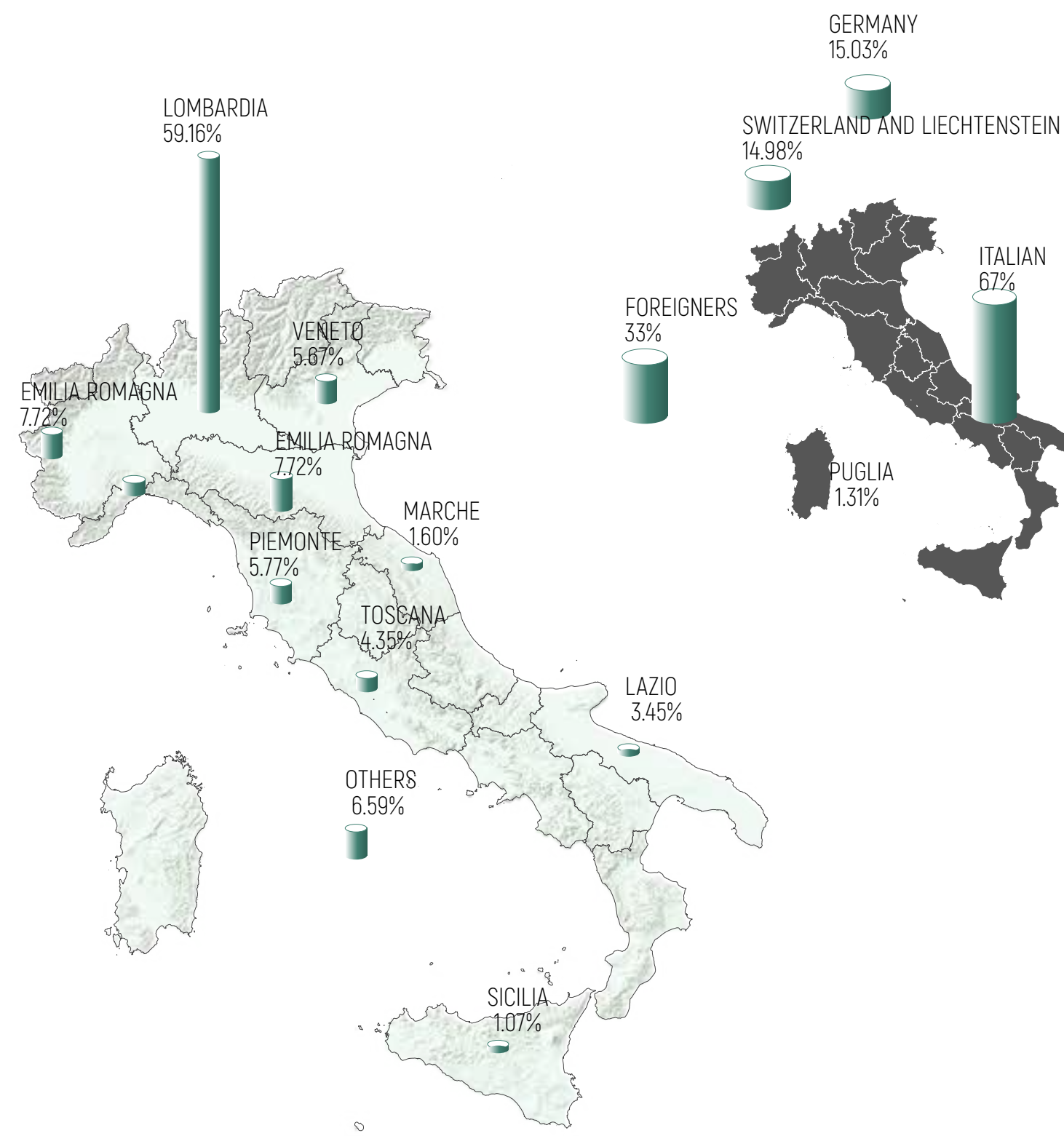
Distribution of hikers in Italy 2020, by average daily spending

- 20 euros or less — 8%
- 20-30 euros — 27%
- 30-50 euros — 47%
- 50 euros or more — 16%
- Do not know — 2%
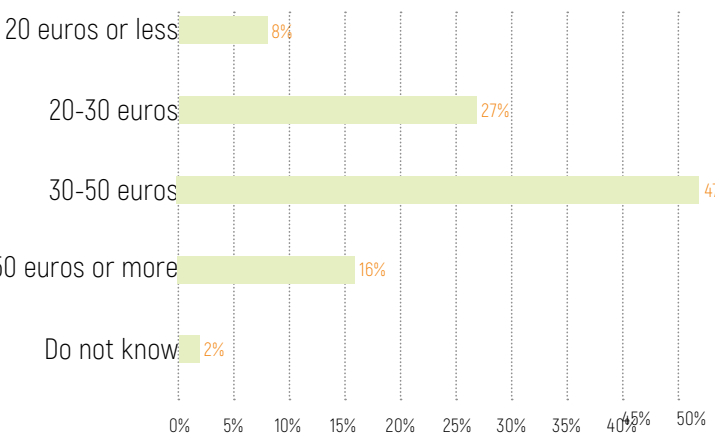
According to a 2020 study, nearly half of surveyed Italian and international hikers in Italy spent on average between 30 and 50 euros a day on their trip. Meanwhile, 27 percent of respondents claimed that their average daily expenditure reached between 20 and 30 euros. Hiking is considered a form of ecotourism, a type of tourism focusing on aspects such as environmental sustainability and respect for local cultures and traditions.

Location and transportation analysis

Valtellina (Lombard Valtelina or Valtolina, Romansh Vuclina, German Veltlin) is an Alpine geographical region, corresponding to the water basin of the Adda river upstream of Lake Como, in the Lombardy region The entire valley and Valchiavenna together form the Province of Sondrio The Mainly connected to out-of-province by railways (Trenord) and highways, the two notable highways are SS38 (Statale dello Stelvio) and the SS39 (Statale della Valmalenco)The most important comune of the valley is Sondrio, which is 135 km from Milano(capital of the Lombardy region), 344 km from Bologna(capital of EmiliaRomagna), 432 km from Firenze (capital of Toscana), 702 km Roma(capital of Lazio)

- LOMBARDIA 59.16%
- VENETO 5.67%
- EMILIA ROMAGNA 7.72%
- EMILIA ROMAGNA 7.72%
- MARCHE 1.60%
- PIEMONTE 5.77%
- TOSCANA 4.35%
- LAZIO 3.45%
- OTHERS 6.59%
- SICILIA 1.07%

- GERMANY 15.03%
- SWITZERLAND AND LIECHTENSTEIN 14.98%
- FOREIGNERS 33%
- ITALIAN 67%
- PUGLIA 1.31%

- ZURIGO 272KM
- BERLINO 970KM
- SONDRIO
- TEGLIO
- BERLINO 970KM
- TORINO 265KM
- MILANO 135KM
- VENEZIA 345KM
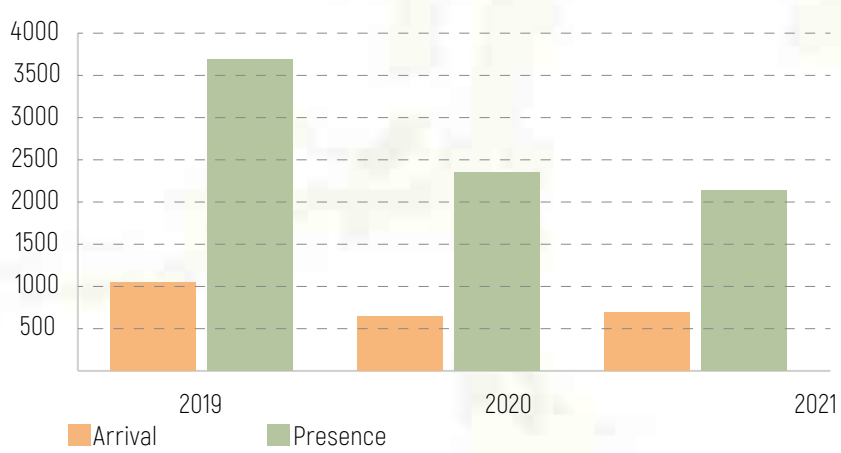- BRESCIA 143KM
- BOLOGNA 344KM
- FIRENZE 432KM
- ROMA 702KM

The tourist composition of Province Sondrio are 67% Italian and 33% foreigners.Switzerland and Liechtenstein with Germany are the two most popular foreign tourists sources, contributed together 30%
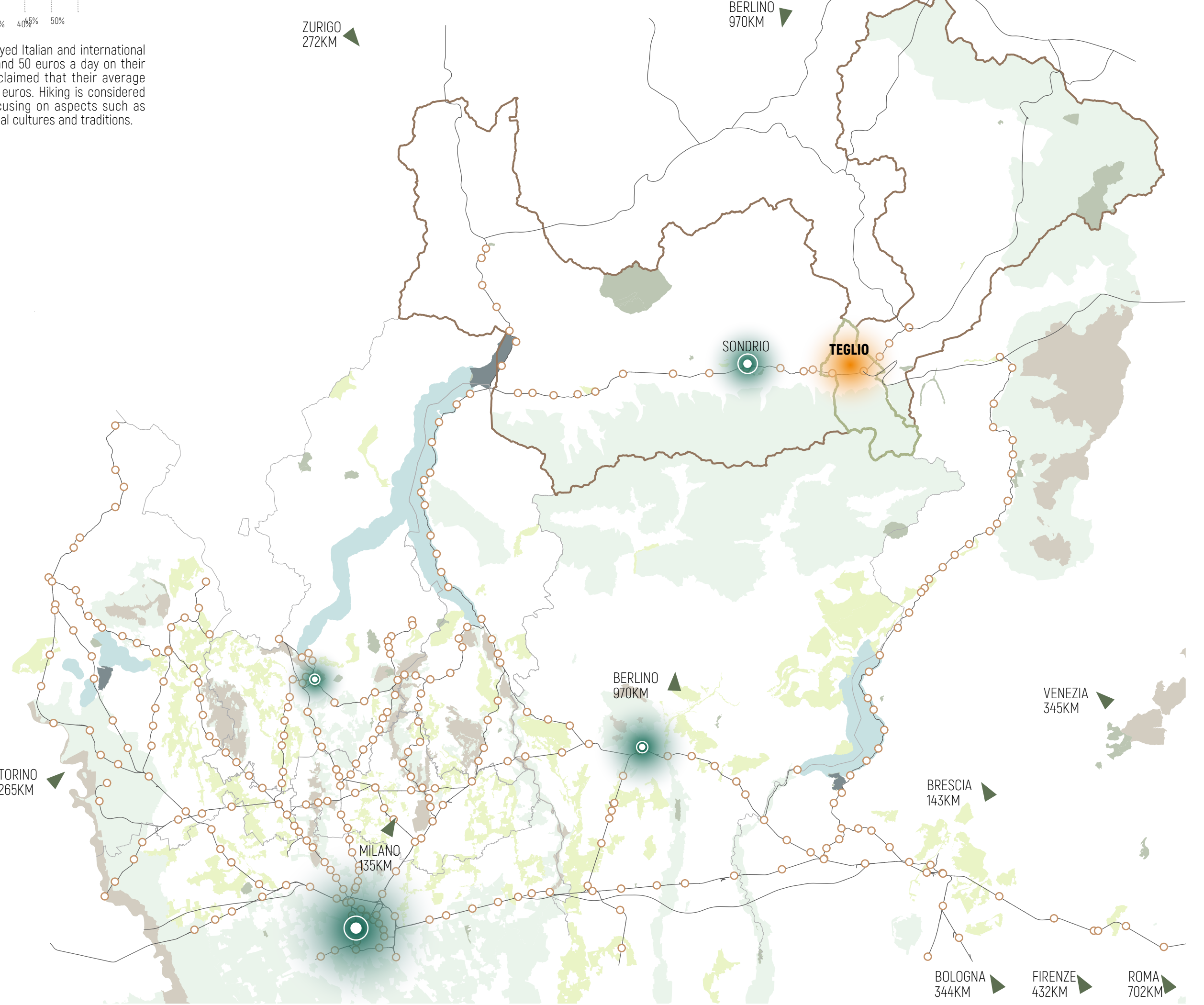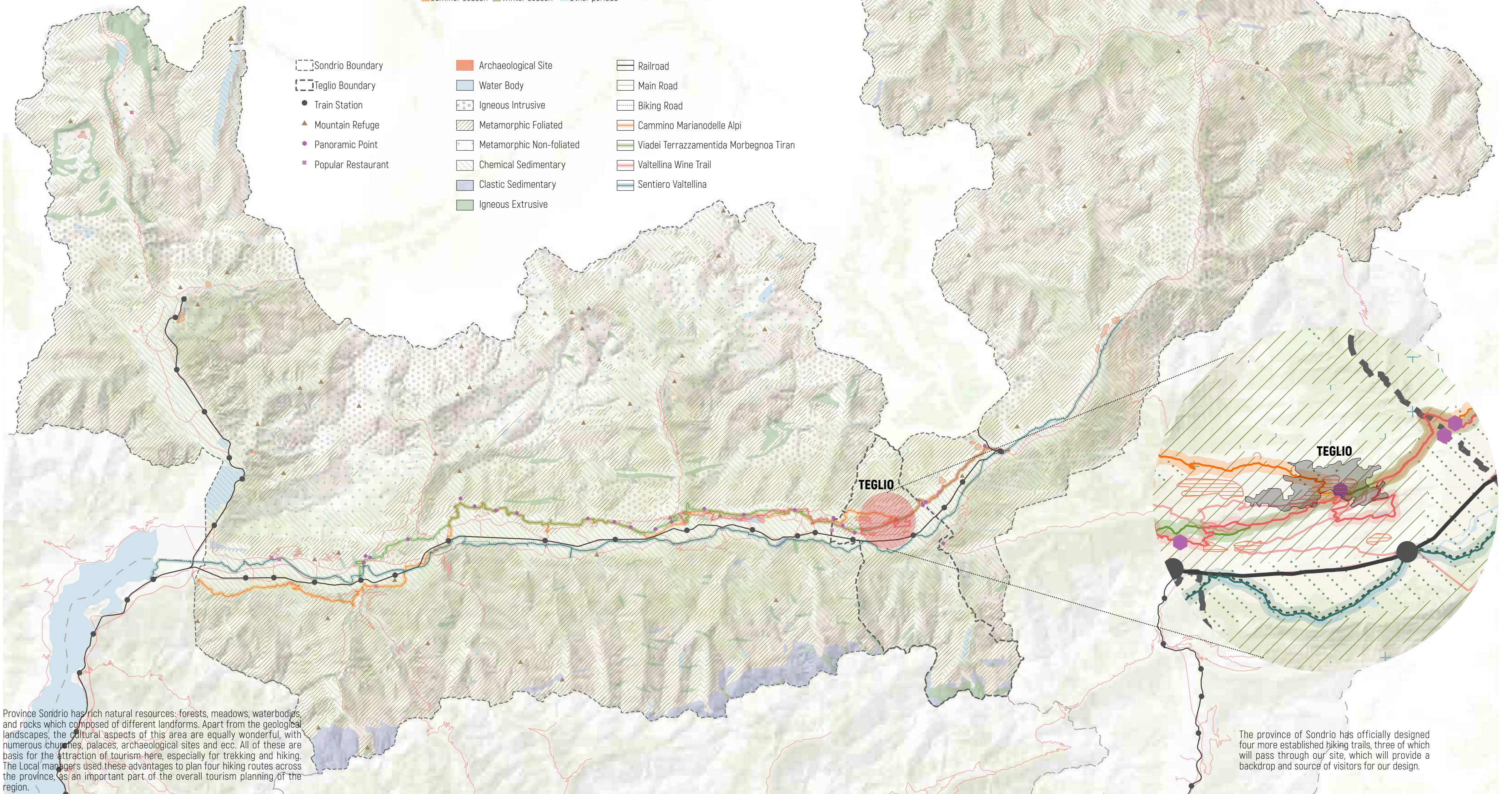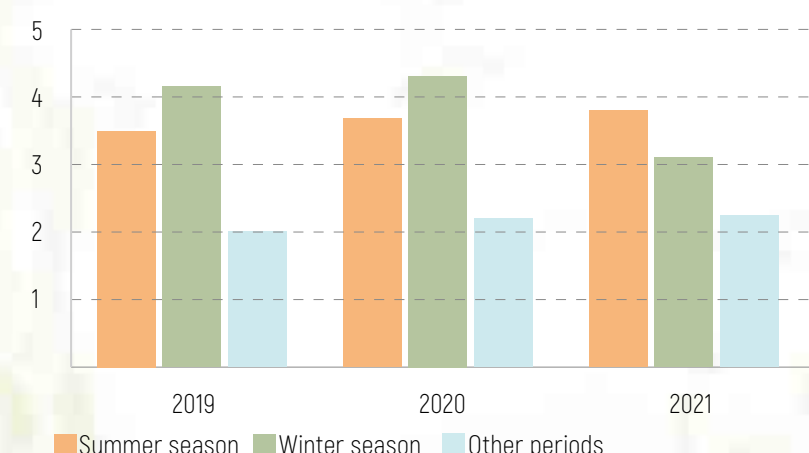
Map of hiking tourism in Sondrio

Total tourist flows of 2019, 2020 and 2021

Arrival   Presence

Average length of stay- years 2019, 2020 and 2021

Summer season   Winter season   Other periods

Legend:
- Sondrio Boundary
- Teglio Boundary
- Train Station
- Mountain Refuge
- Panoramic Point
- Popular Restaurant
- Archaeological Site
- Water Body
- Igneous Intrusive
- Metamorphic Foliated
- Metamorphic Non-foliated
- Chemical Sedimentary
- Clastic Sedimentary
- Igneous Extrusive
- Railroad
- Main Road
- Biking Road
- Cammino Marianodelle Alpi
- Viadei Terrazzamentida Morbegnoa Tiran
- Valtellina Wine Trail
- Sentiero Valtellina

TEGLIO

TEGLIO

Province Sondrio has rich natural resources: forests, meadows, waterbodies, and rocks which composed of different landforms. Apart from the geological landscapes, the cultural aspects of this area are equally wonderful, with numerous churches, palaces, archaeological sites and ecc. All of these are basis for the attraction of tourism here, especially for trekking and hiking. The Local managers used these advantages to plan four hiking routes across the province, as an important part of the overall tourism planning of the region.

The province of Sondrio has officially designed four more established hiking trails, three of which will pass through our site, which will provide a backdrop and source of visitors for our design.

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■SITE ANALYSIS

Accessibility analysis of Teglio

Legend:
- Main Road
- Main Vehicle Road
- Secondary Vehicle Roads
- Agricultural Vehicle Road
- Unpaved Path
- Existing Hiking Road
- E-bike Road
- BusA60TIRANO-TEGLIO
- BusA48SONDRIO-CHIURO-TEGLIO
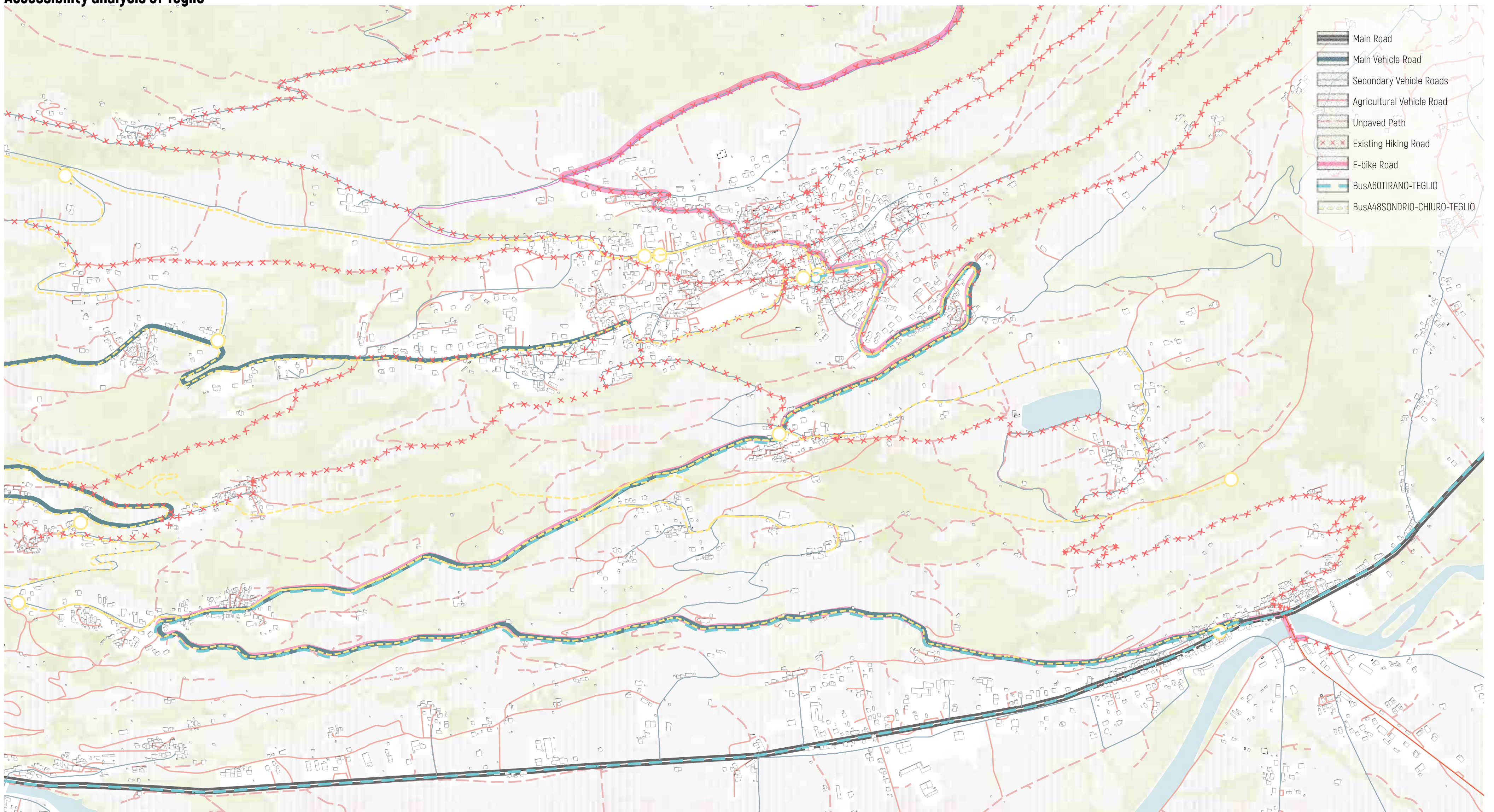
Historic sites in Teglio

1.Palazzo Besta

The palace, also known as the 'little palace in the Alps', was built by the noble Besta family and is one of the most important Renaissance residences in Lombardy

2.Chiesa di Sant'Eufemia

The Church of St. Euphemia, is one of the earliest in the Valtellina. It is the only house of worship in the Valley dedicated to the martyred saint of Chalcedon.

3.Torre de li Beli Miri

Situated on the ridge south of the village. It is what remains of the medieval castle rebuilt on the ruins of an earlier one of Roman foundation, with a square plan and numerous embrasures and the usual raised access.

4.Chiesa S. Stefano

The ancient Castrum Tilii-even endowed with its own chapel, the church of St. Stephen, which we still find today on the top of the hill-was the hub of the defensive system of Castellanza and the medieval municipality

5.Cornal

The Cornal locality is one of Teglio's most archaeologically fertile sites: in fact, over time it has returned- ited five stelae including intact specimens and fragments.

6.Chiesa S. Gervasio

The church stands on a wide terrace located just below the larger terrace on which the town of Teglio stands. The main elevation opens onto a grassy space, the right side faces the Adda valley.
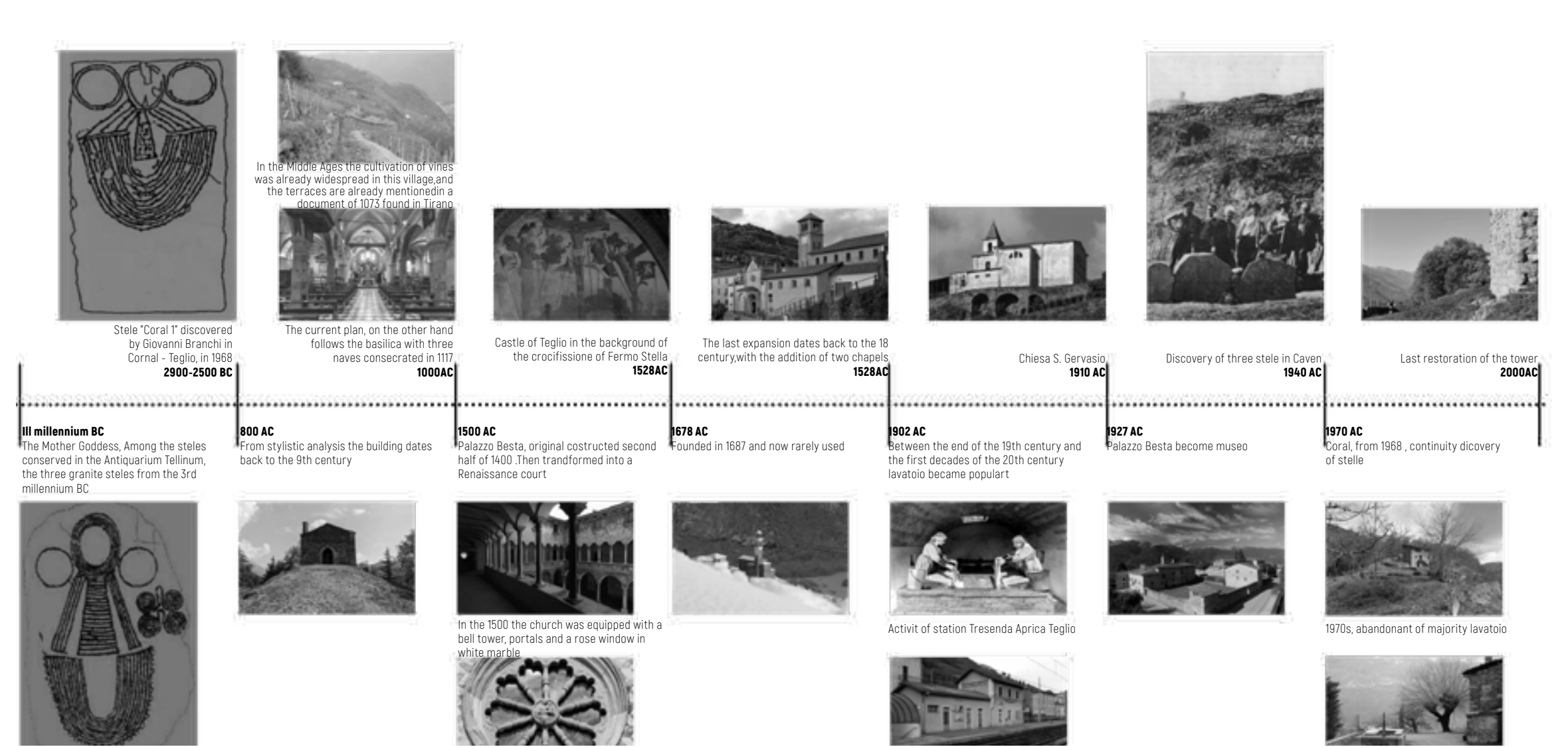
7.Chiesa San Gottardo a Somasassa

Founded in 1687 and now rarely used.Equipped with a soaring bell tower from which it dominates the valley, it attracted our attention from afar.
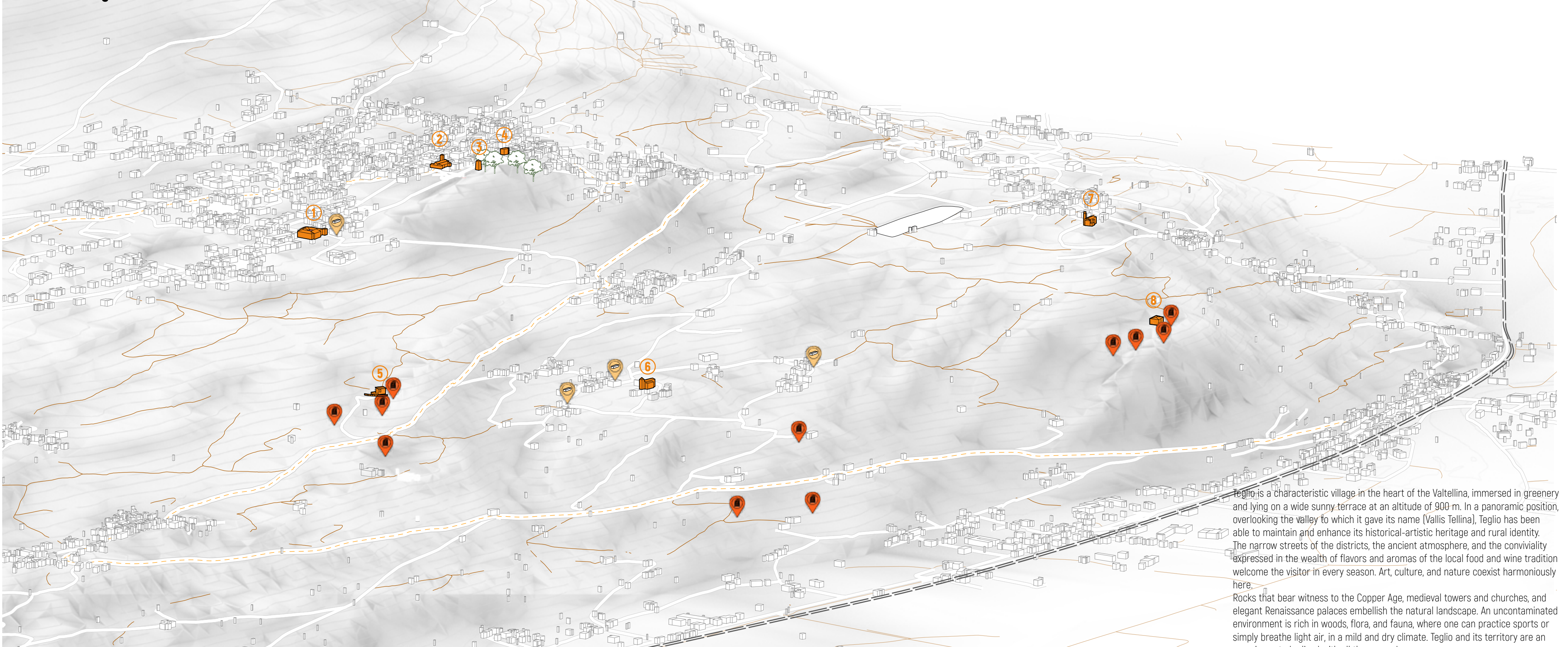
8.Caven

In February 1940 in the locality of Caven , during excavation work for the planting of a vineyard extracted three large pictre from the ground.

The story of Teglio's historic sites

Stele "Coral 1" discovered by Giovanni Branchi in Cornal - Teglio, in 1958
2900-2500 BC

The current plan, on the other hand follows the basilica with three naves consecrated in 1117
1000AC

Castle of Teglio in the background of the crocifissione of Fermo Stella
1528AC

The last expansion dates back to the 18 century,with the addition of two chapels
1528AC

Chiesa S. Gervasio
1910 AC

Discovery of three stele in Caven
1940 AC

Last restoration of the tower
2000AC

III millennium BC
The Mother Goddess, Among the steles conserved in the Antiquarium Tellinum, the three granite steles from the 3rd millennium BC

800 AC
From stylistic analysis the building dates back to the 9th century

1500 AC
Palazzo Besta, original constructed second half of 1400. Then transformed into a Renaissance court

1678 AC
Founded in 1687 and now rarely used

1902 AC
Between the end of the 19th century and the first decades of the 20th century lavatoio became populart

1927 AC
Palazzo Besta become museo

1970 AC
Coral, from 1968 , continuity dicovery of stele

In the 1500 the church was equipped with a bell tower, portals and a rose window in white marble

Activit of station Tresenda Aprica Teglio

1970s, abandonant of majority lavatoio

Full view of Teglio

Teglio is a characteristic village in the heart of the Valtellina, immersed in greenery and lying on a wide sunny terrace at an altitude of 900 m. In a panoramic position, overlooking the valley fo which it gave its name (Vallis Tellina), Teglio has been able to maintain and enhance its historical-artistic heritage and rural identity. The narrow streets of the districts, the ancient atmosphere, and the conviviality expressed in the wealth of flavors and aromas of the local food and wine tradition welcome the visitor in every season. Art, culture, and nature coexist harmoniously here.

Rocks that bear witness to the Copper Age, medieval towers and churches, and elegant Renaissance palaces embellish the natural landscape. An uncontaminated environment is rich in woods, flora, and fauna, where one can practice sports or simply breathe light air, in a mild and dry climate. Teglio and its territory are an experience to be lived with all the senses!
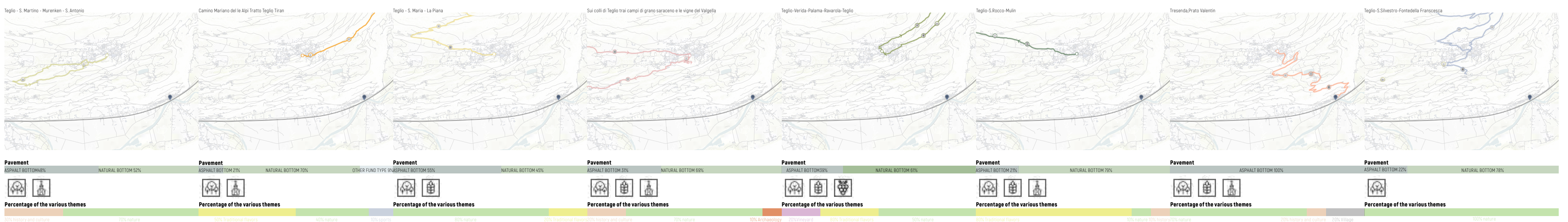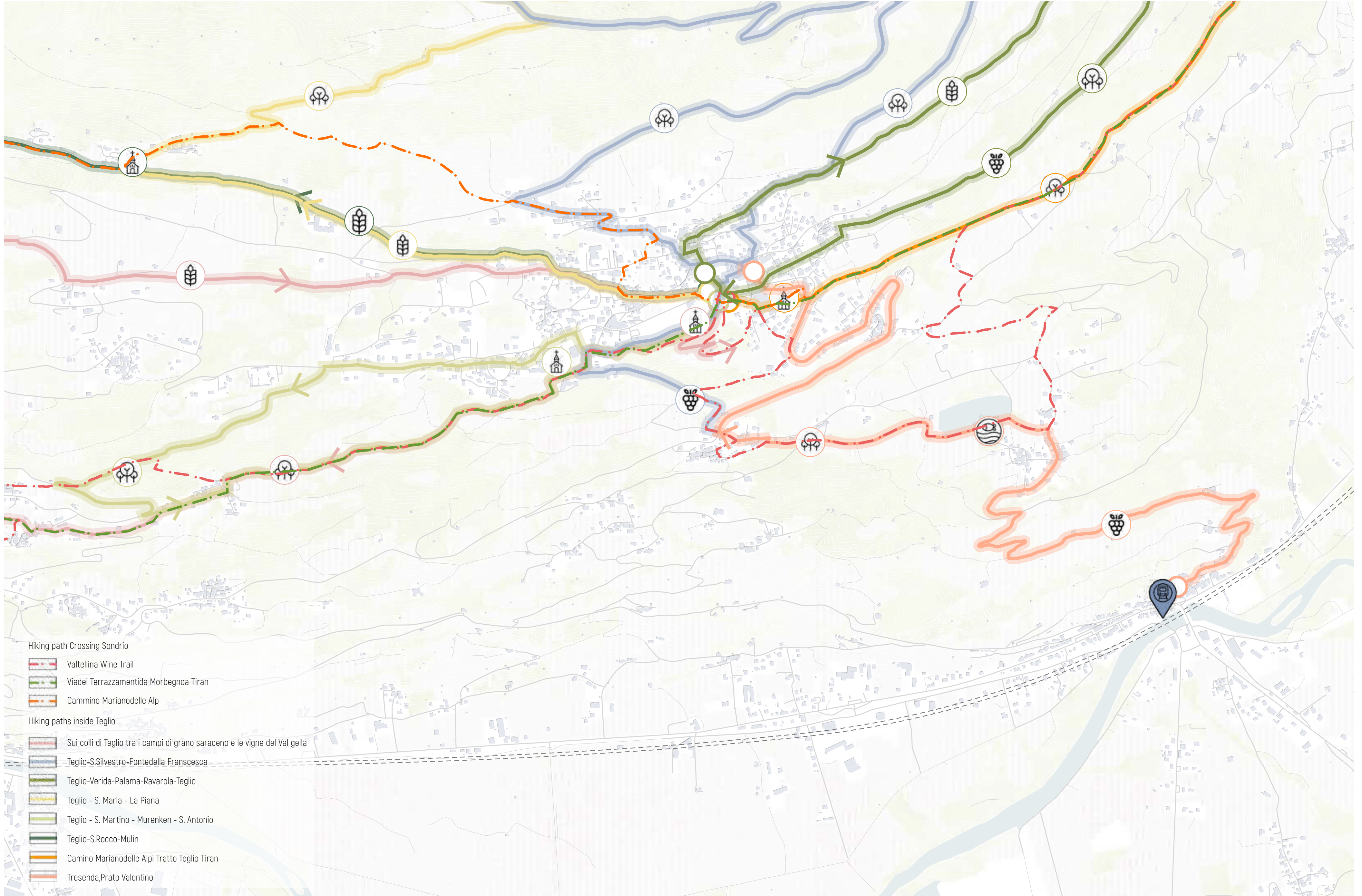
School of Architecture Urban Planning Construction Engineering
Master of Science in Landscape Architecture. Land Landscape Heritage
Academic Year 2022-2023
Thesis Advisor: Prof. Paolo Bozzuto
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POLITECNICO MILANO 1863

03 A LATENT ADVENTURE
ENHANCING THE POTENTIAL OF LANDSCAPE IN TEGLIO

■ ANALYSIS OF EXISTING HIKING ROUTES IN TEGLIO

Hiking experience analysis

Existing hiking routes map

Hiking path Crossing Sondrio
- Valtellina Wine Trail
- Viadei Terrazzamentida Morbegnoa Tiran
- Cammino Marianodelle Alp

Hiking paths inside Teglio
- Sui colli di Teglio tra i campi di grano saraceno e le vigne del Val gella
- Teglio-S.Silvestro-Fontedella Franscesca
- Teglio-Verida-Palama-Ravarola-Teglio
- Teglio - S. Maria - La Piana
- Teglio - S. Martino - Murenken - S. Antonio
- Teglio-S.Rocco-Mulin
- Camino Marianodelle Alpi Tratto Teglio Tiran
- Tresenda,Prato Valentino

There is a rich network of hiking routes in the teglio area, which provides opportunities for tourists to explore different landscapes of teglio, but most of the routes are concentrated in the north direction from the Teglio, or to other neighboring towns, which left a void on the map,**a latent place**

Existing pedestrian paths in this area

In this area, the walking roads are incoherent and scattered, and the slope of some road sections is too steep, which also brings difficulties for hiking. But at the same time, the landscape it carries is extremely rich, from forest to terraced land, from wheatfield to rocky cliff, with so many landscape elements and have great landscape potential

The latent place

- Vehicle Road
- Other Pedestrian Path
- Pedestrain Path in The Buckwheat Feild
- Pedestrain Path in The Vineyard
- Pedestrain Path in The Forest
- Pedestrain Path in The Steep Rocks Hillside
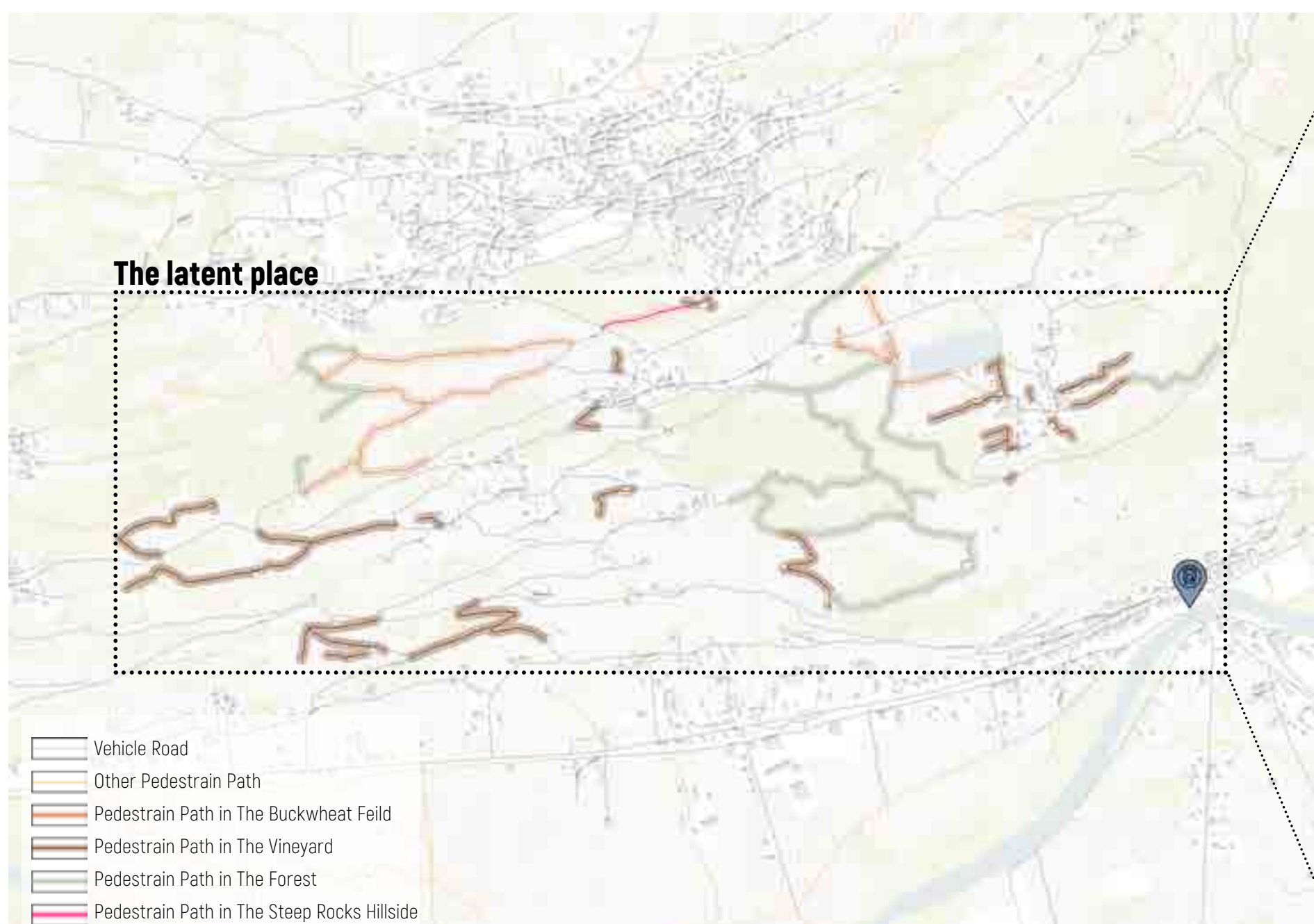
Landscape perception, a photographic narrative

From Tresenda to Caven

From Gianoli to Cornal

From Cornal to Branchi

From Branchi to Torre de li Beli Miri

04 A LATENT ADVENTURE
ENHANCING THE POTENTIAL OF LANDSCAPE IN TEGLIO

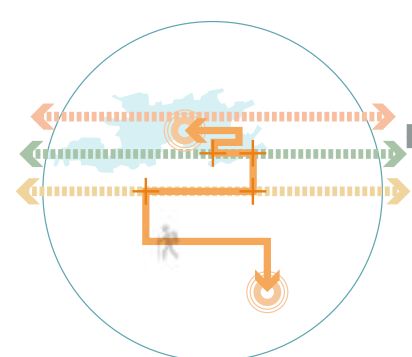## ■ DESIGN PROPOSAL IN TEGLIO

Design concept
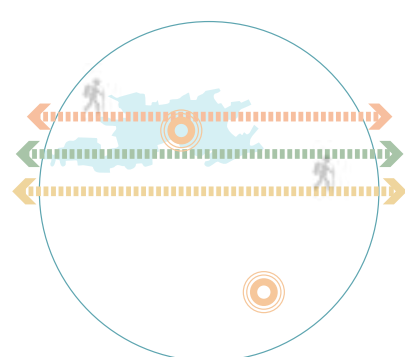
CURRENT STATUS
Existing regional hiking routes Crossing Teglio.We can take advantage of valtellina's hiking tourism resources. Bringing visitors to teglio.
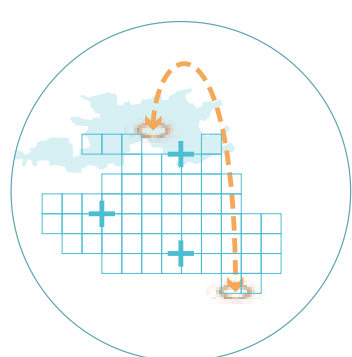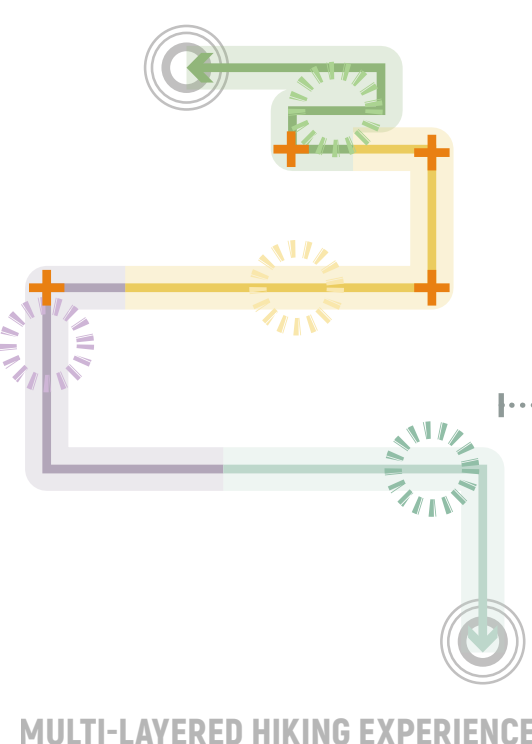
ISSUES OF CONCERN
Linking teglio and Tresenda railway stations, activating the neglected landscape on the Teglio's hill slopes.

SOLUTION
A new hiking path from Tresenda to Teglio to create a Multi-Layered hiking experience, while connecting with the regional hiking path and making teglio a junction .

MULTI-LAYERED HIKING EXPERIENCE

Design strategy

ROCKY CLIFF PATH
- TRESTLE PATH
- VIEW PLATFORM

BUCKWHEAT FIELD PATH
- RESTING POINT
- DIALOGUE WITH WHEATFIELD

TERRACED LAND PATH
- DRY STONE WALKWAY
- PANORAMIC VIEW PLATFORM
- RESTING POINT WITH WATER

FOREST PATH
- EASIER CLIMBING ROUTE
- FOREST MEDITATION
- PANORAMIC VIEW PLATFORM
- REUSE FARMHOUSE

Schematic representation of the strategy

ROCKY CLIFF PATH
- TRESTLE PATH
- VIEW PLATFORM

BUCKWHEAT FIELD PATH
- RESTING POINT
- DIALOGUE WITH WHEATFIELD

TERRACED LAND PATH
- DRY STONE WALKWAY
- PANORAMIC VIEW PLATFORM
- RESTING POINT WITH WATER

FOREST PATH
- IMPROVE WALKEBILITY
- REUSE FARMHOUSE
- PANORAMIC VIEW PLATFORM
- FOREST MEDITATION
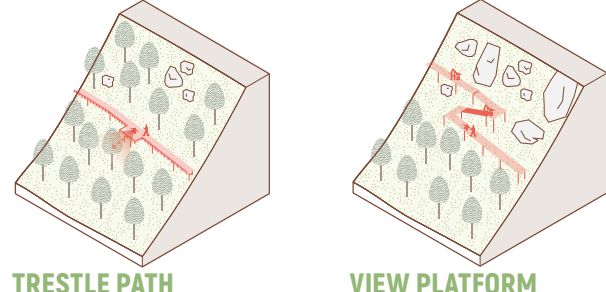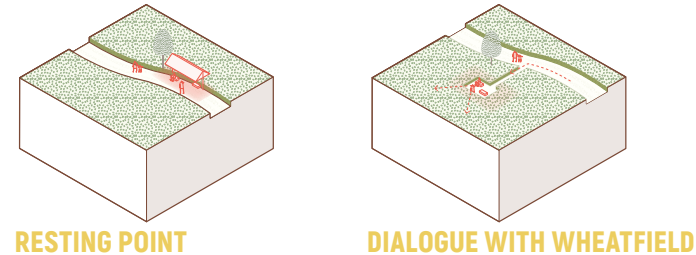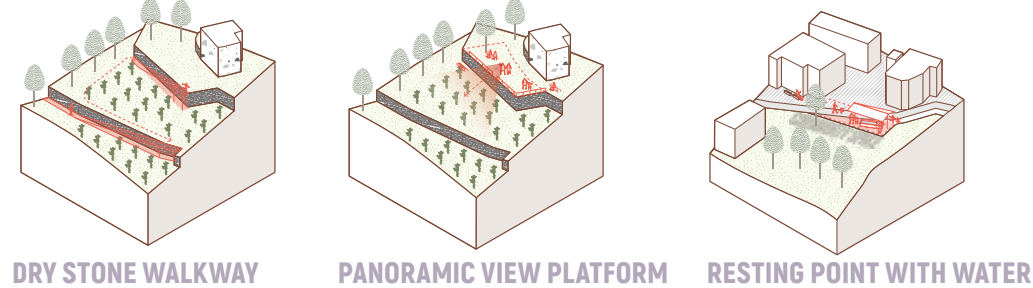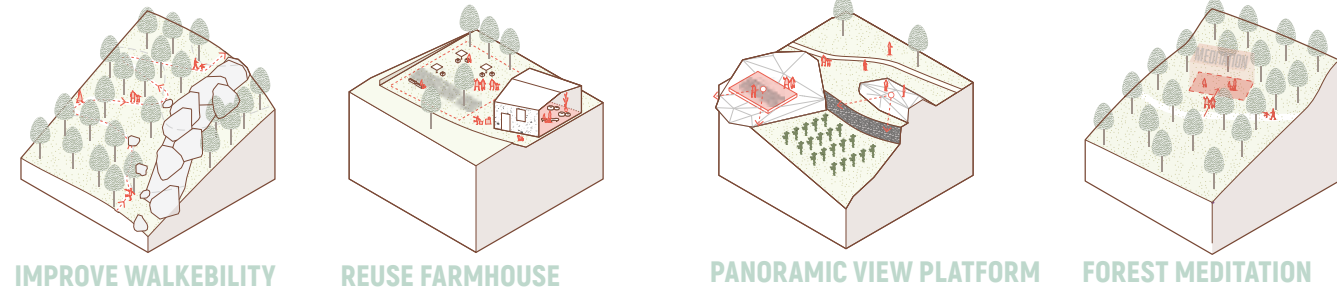
We proposed a **multi-layered landscape hiking trail**, try to enhance of the landscape potential of Teglio. The design divides the path into four main experience sections: a forest section, a vine terrace section, a buckwheat field section, and a rocky trail experience. The path will not only connect the railway station to the Teglio, but will also connect to the hiking paths of the Sondrio region, diverting hikers from the wider hiking area to the Teglio, and using the Teglio as a node for hiking in the sondrio region, promoting local tourism.

Strategy plan
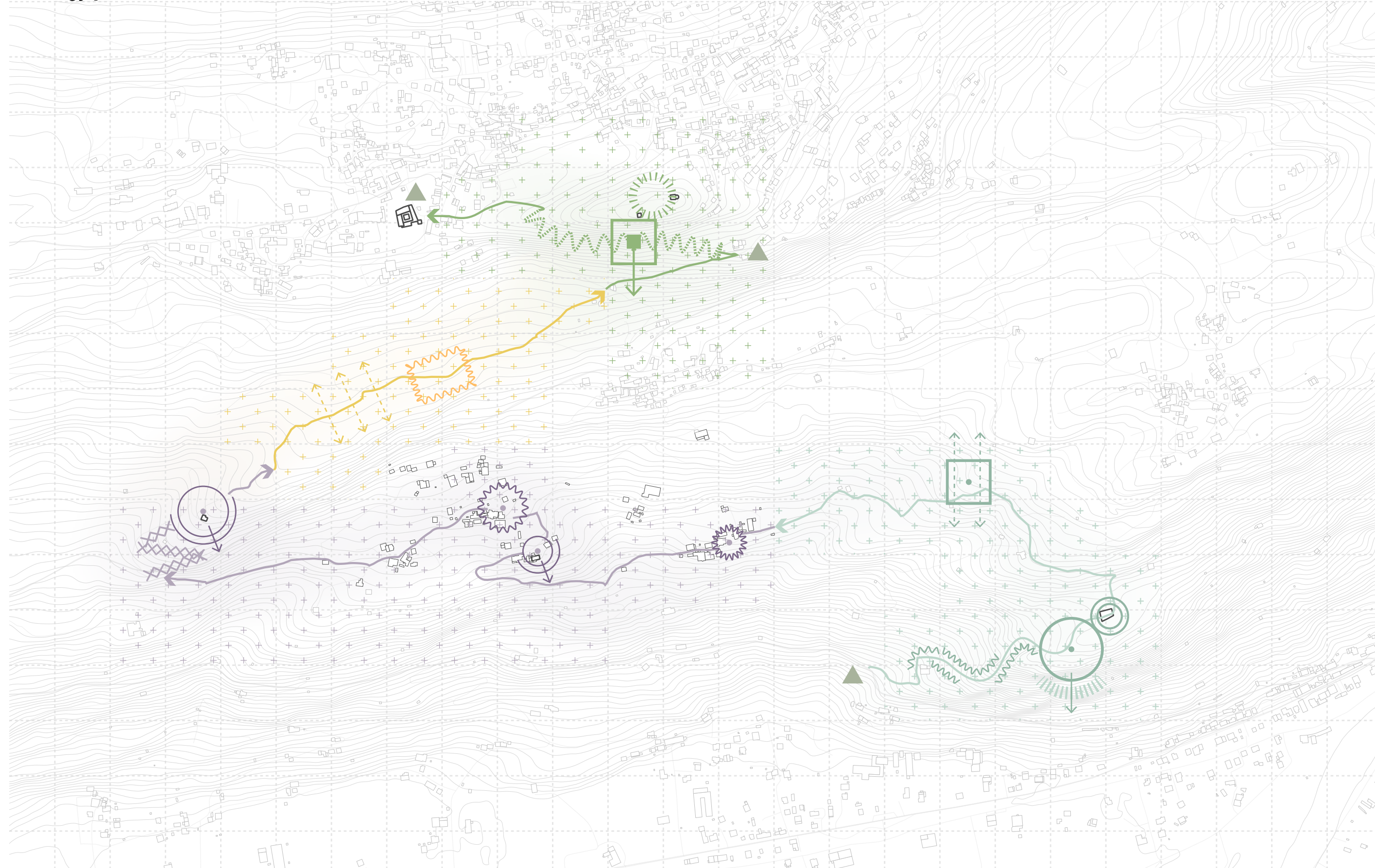
Narrative of the design hiking trail

Master plan 1:3000

⑱ Palazzo Besta
⑰ Trestle Path
⑯ Chiesa S. Stefano
⑮ Torre de li Beli Miri
⑭ Trestle Viewing Platform
⑬ Buckwheat Field
⑫ Resting Pavilion
⑪ Buckwheat Dialogue Platform
⑩ Mountain Hub Cornal
⑨ Lavatoio
⑧ Church Viewing Platform
⑦ Forest Meditation Platform
⑥ Mountain Hub
⑤ Picnic Area
④ Boulder Viewing Platform
③ Resting Pplatform
② Viewing Platform
① Entrance

05 A LATENT ADVENTURE
## ENHANCING THE POTENTIAL OF LANDSCAPE IN TEGLIO

POLITECNICO
MILANO 1863

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■FOREST PATH DESIGN 01

Design plan of steep forest path
The new route reduces the slope by going up the zigzag line to make climbing easier. At the same time, two platforms are set up to provide resting areas and allow tourists to have more ways to experience the forest landscape.

N

0m   10m   20m   30m

Perspective of steep forest roads and resting area

Section before

The previous road was almost perpendicular to the contour, with a steeper slope, and the road was scattered with fallen rocks; only a few farmers used the road. But in fact it was an archaeological road full of adventures, where archaeologists had found stone monuments proving human civilization. Our design is to reroute the road to make it smoother and more suitable for hiking, while clearing some of the boulders that pass through the road and setting up a resting space where hikers can feel the nature and history.

Section designed

3m

3m

Structure of stone stool

40cm

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### FOREST PATH DESIGN 02

Design plan of Caven
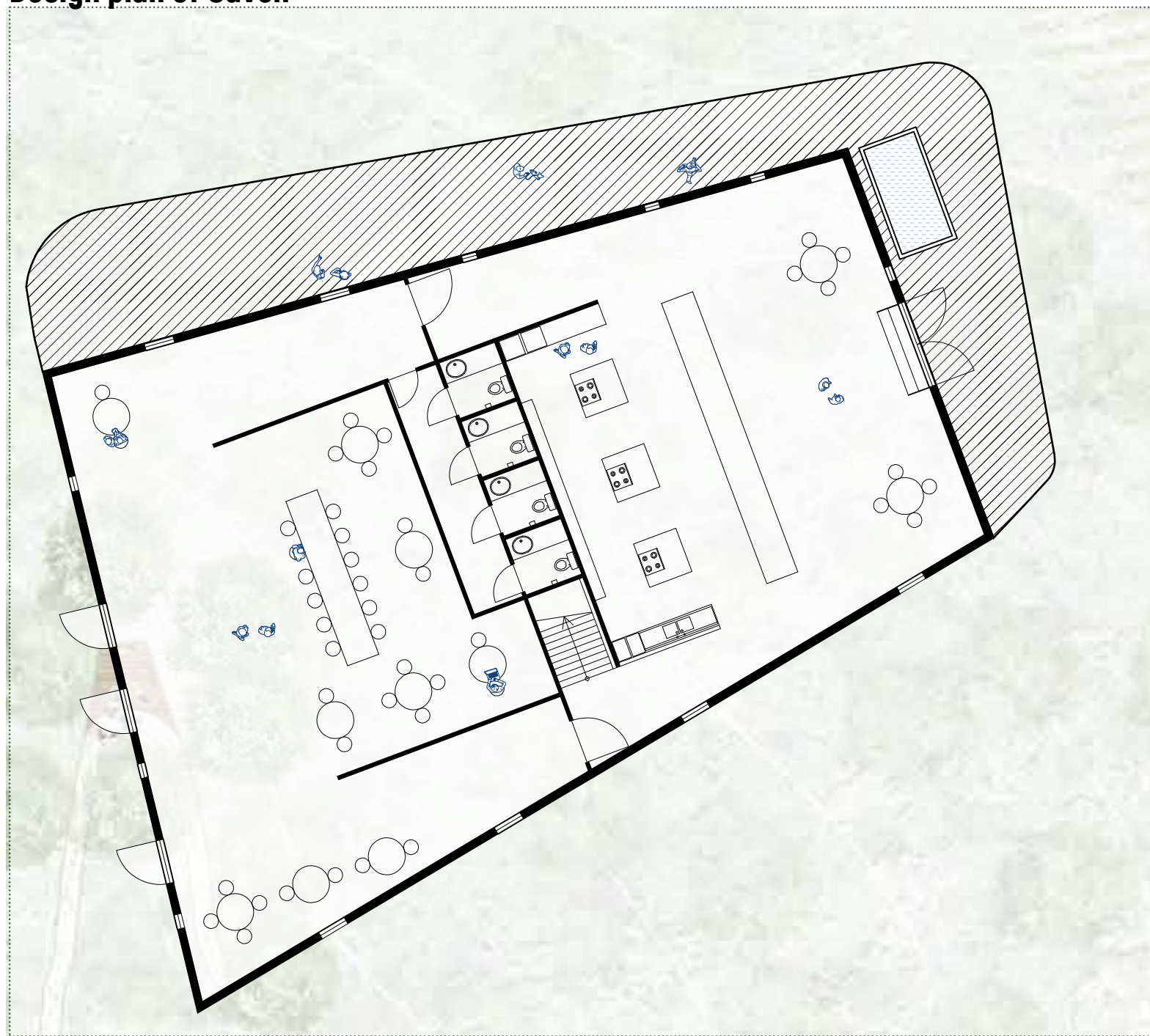
Design plan of the abandoned farm house 1:150
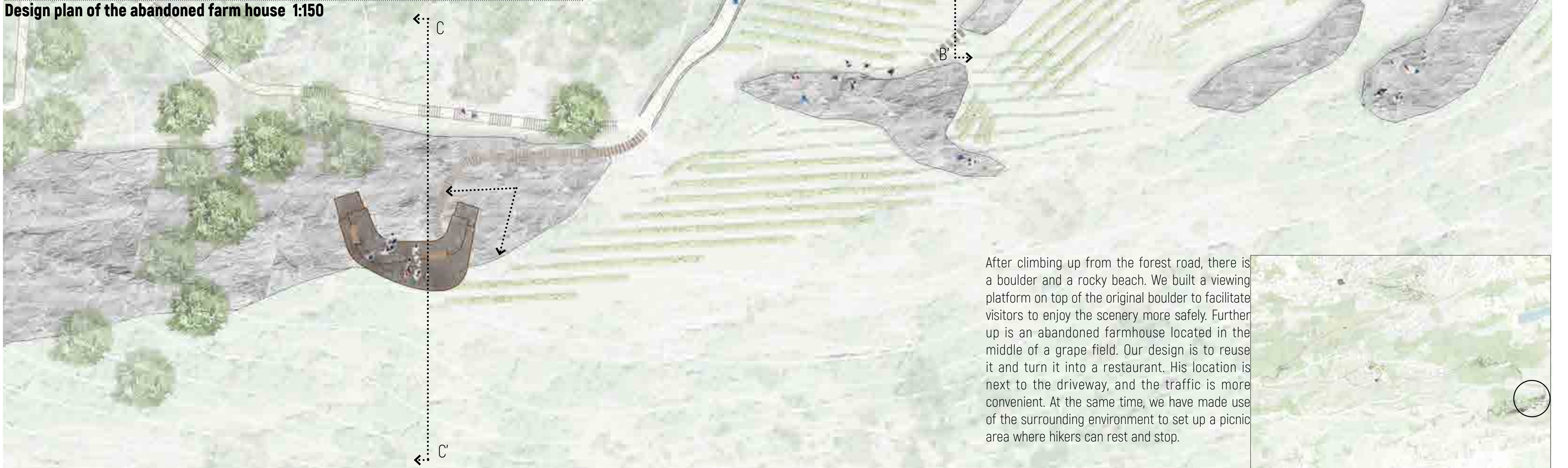
After climbing up from the forest road, there is a boulder and a rocky beach. We built a viewing platform on top of the original boulder to facilitate visitors to enjoy the scenery more safely. Further up is an abandoned farmhouse located in the middle of a grape field. Our design is to reuse it and turn it into a restaurant. His location is next to the driveway, and the traffic is more convenient. At the same time, we have made use of the surrounding environment to set up a picnic area where hikers can rest and stop.

Section A-A'

3m

Section B-B'

3m

Section C-C'

2m
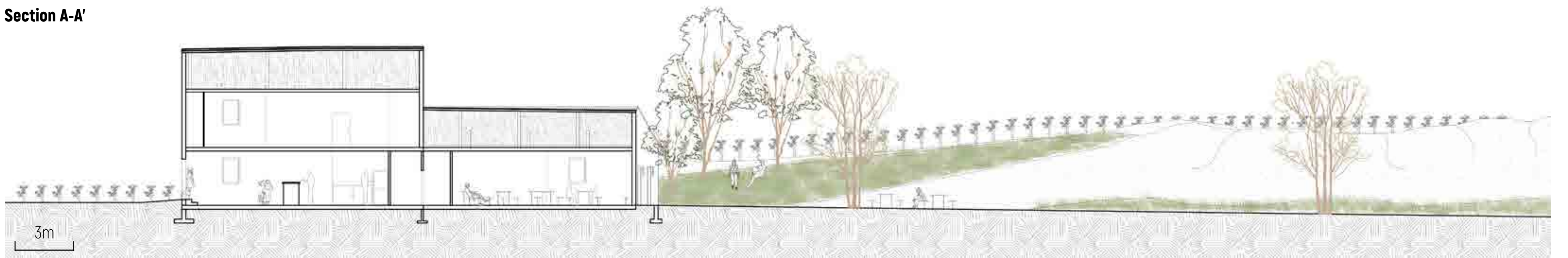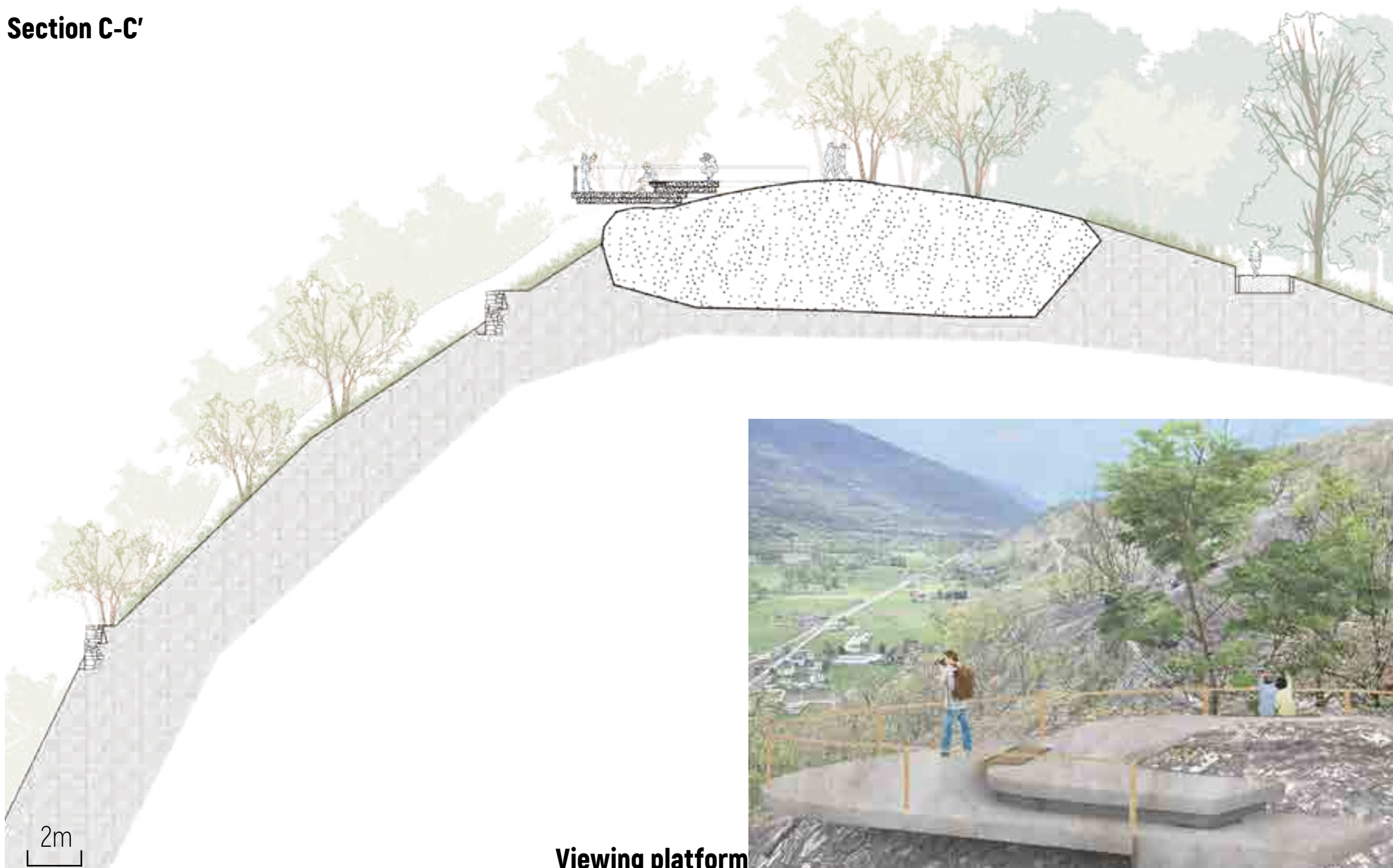
Viewing platform

Perspective view of farmhouse restaurant perspective view

■ TERRACED LAND PATH DESIGN

Design plan of Cornal

The moment you walk out of the forest, you come to the terraced path. Walking through the scattered settlements, on your one side is the panoramic picture of the valley, and the dry stone wall overlaps on the other side. Get close to them, feel the natural and artificial imprints of time on their bodies, or find out whether there are imprints engraved by the ancient people, and say hello to the little life that grows in between the blocks. You will find that dry stone walls are Landscape elements that are alive.

Design section of terraced vineyard

Wooden benches are placed at the gently sloping corners and on the platforms to provide visual balance. Inside the pavilion is the display panel made of local stone, which vividly shows the history of Teglio's dry stone wall.

A viewing platform in the vineyard with a beautiful view of the teglio

Structure of the cabin

- ROOF
- LINTEL
- LAMP
- COLUMNS
- CURTAINS
- WOODEN WALLS

People resting in the cabin

The terrain here in Cornal is not flat, so we took advantage of the detour and gentle slope to make it easier for tourists to walk onto the platform. The gentle slope is close to the stone wall, on the premise of not affecting the terraced field landscape and agricultural planting itself, it is possible for tourists to experience the unique Cornal, as the terminal of this part, sums up all the landscape elements here, walks along the stone wall and up to the platform, you can stay here for a while, sit in the wooden pavilion looking at the scenery of the river valley, or be interested to look at the rocky display boards placed, would be some good adjustments before going on the road.

Design of gently sloping road side

08 A LATENT ADVENTURE
## ENHANCING THE POTENTIAL OF LANDSCAPE IN TEGLIO

■BUCKWHEAT FIELD PATH DESIGN

Buckwheat field design plan

N 0m 20m 60m

Leaving the cornal, you will soon been surrounded by buckwheat fields. The large plains for the cultivation of this local characteristic plant make people feel as if they are in an alpine meadow, with an open view in front of them.Walking along the dirt road in between the farmland, you can choose to enter the buckwheat field along the platform, observe their appearance carefully, take a few satisfactory photos in front of the viewfinder, or sit in the kiosk by the roadside, experiencing the changing landscapes of buckwheat fields in different seasons.

Design plan of wooden kiosk 1:50

Section 1:50

Wooden kiosk and buckwheat field hiking road
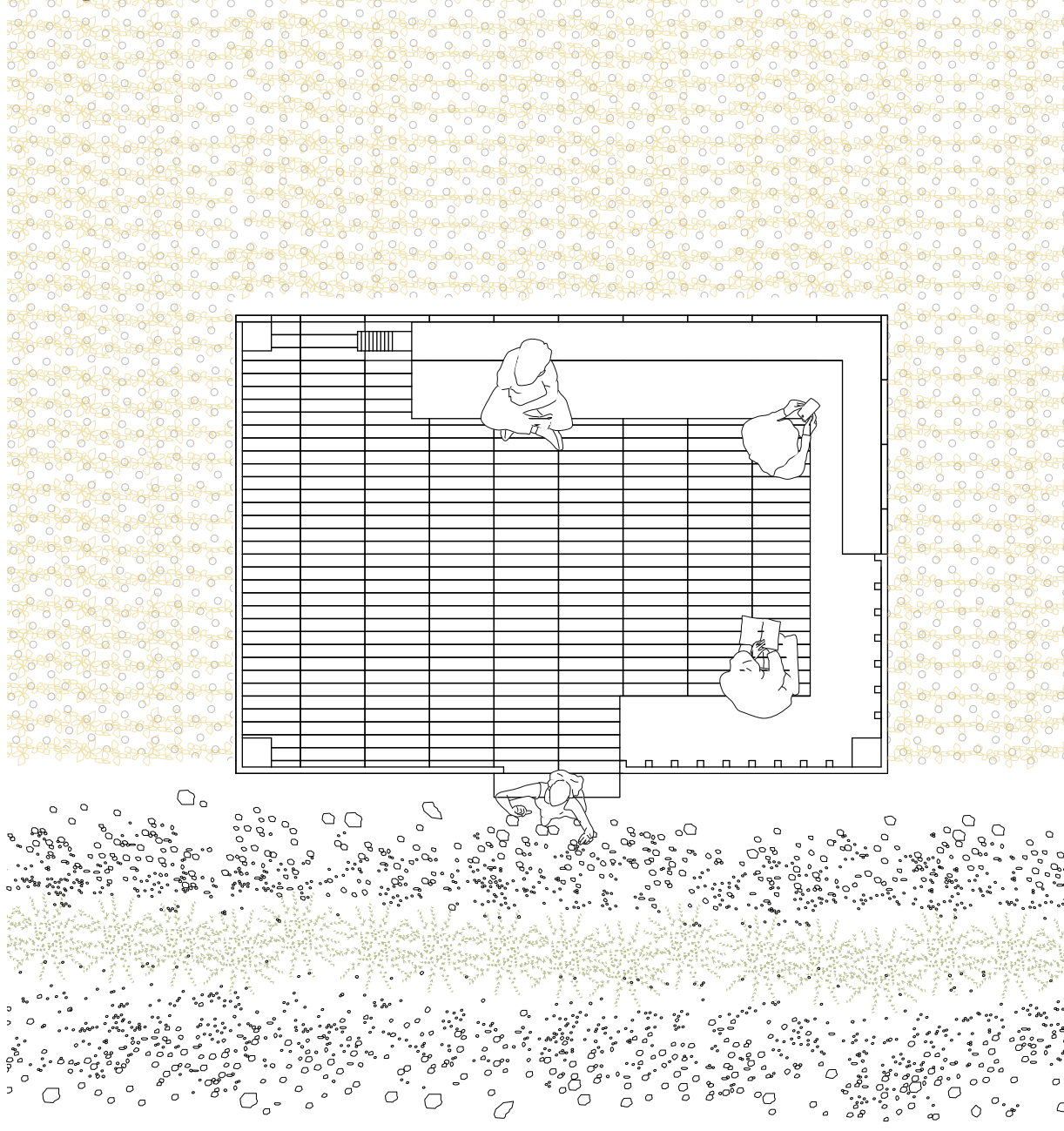
A small wooden kiosk surrounded by buckwheat fields, with a semi-open structure and windows on the wall to enjoy the view of the distant mountains.
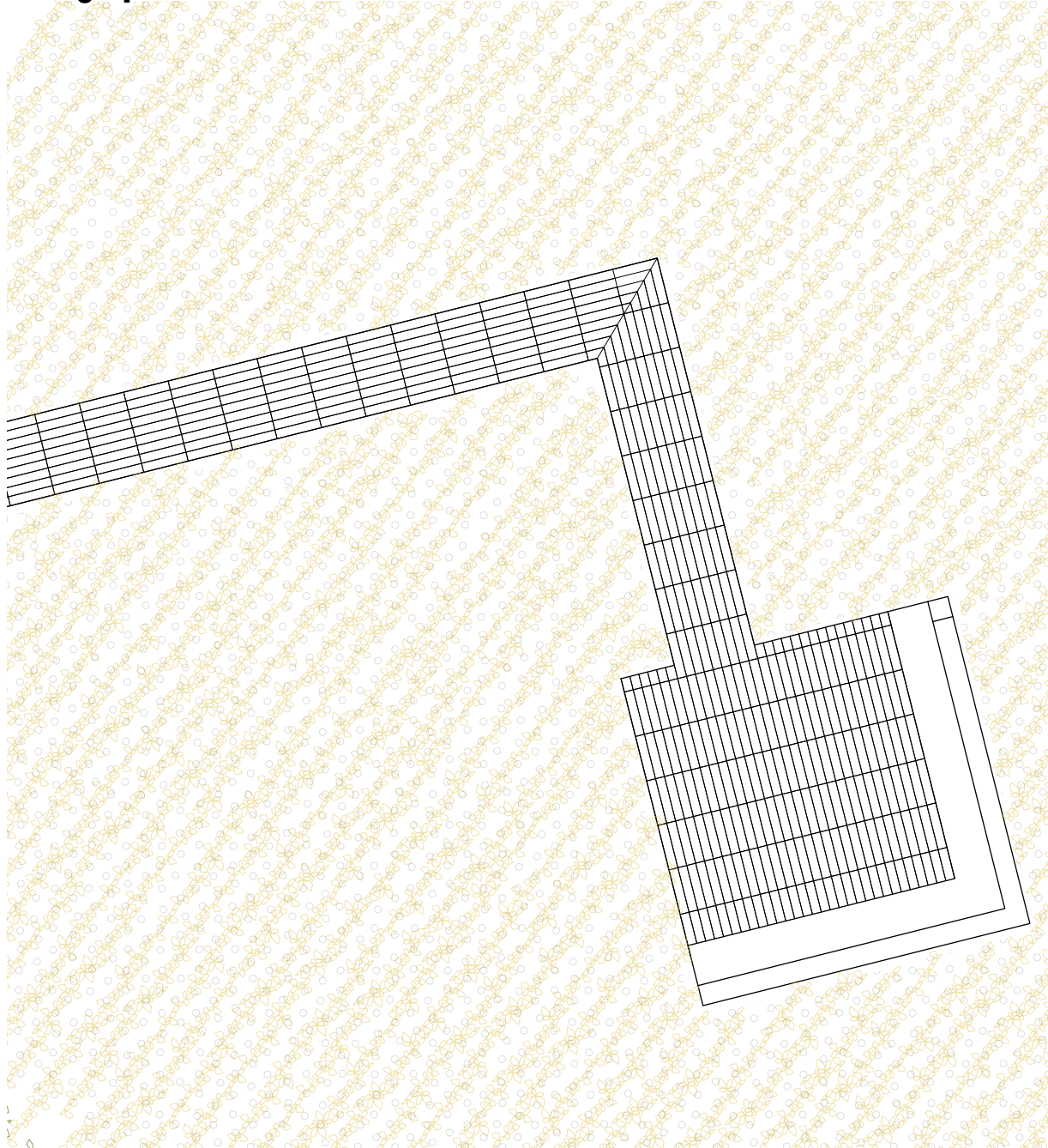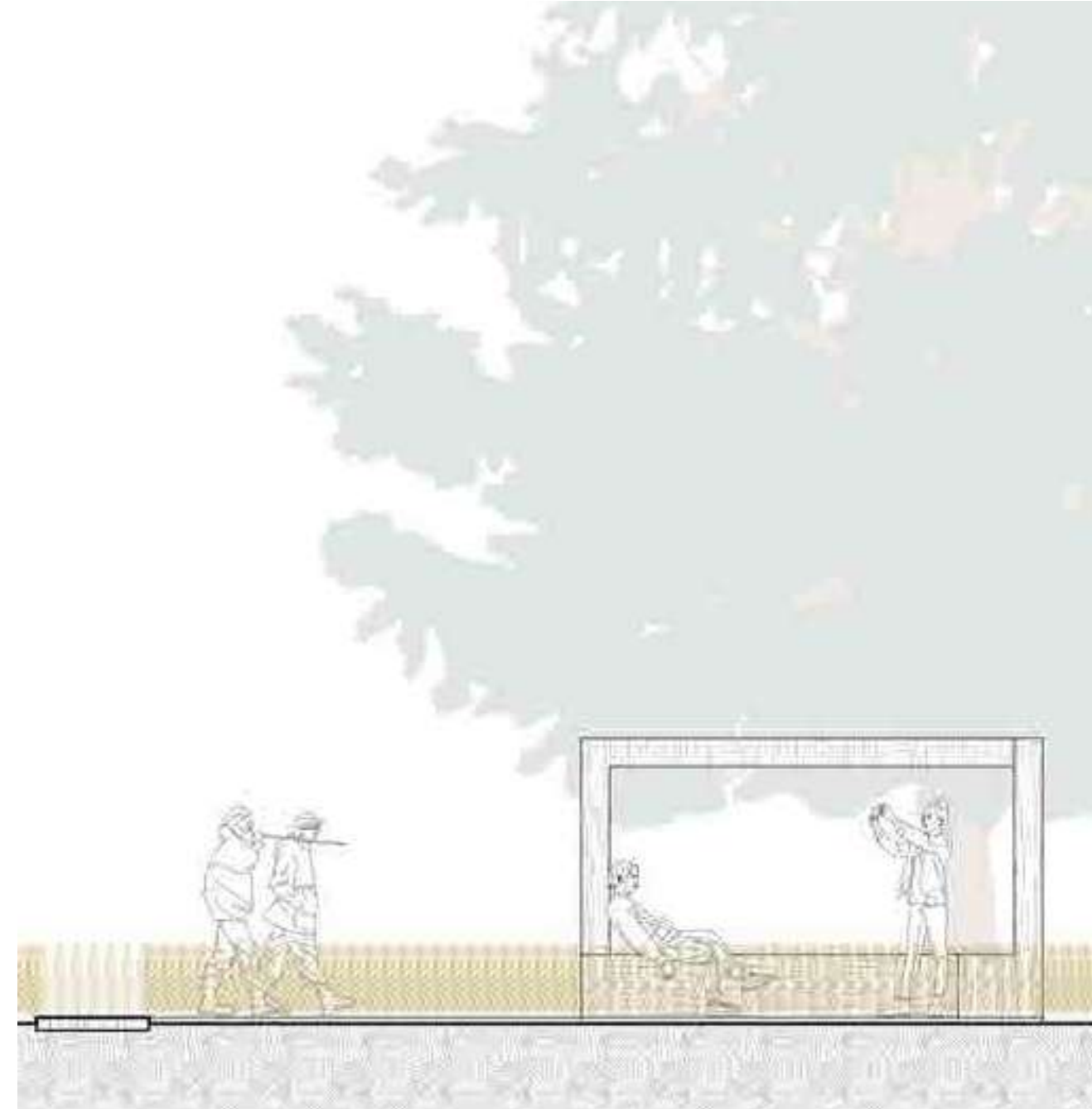
Design plan of buckwheat field frame 1:50

Section 1:50

Buckwheat field frame

The platform in the buckwheat field linked by wooden paths allows you to get close to the plants and feel the surrounding atmosphere. The viewfinder can be used as a resting place or as a background for shooting.

09 A LATENT ADVENTURE
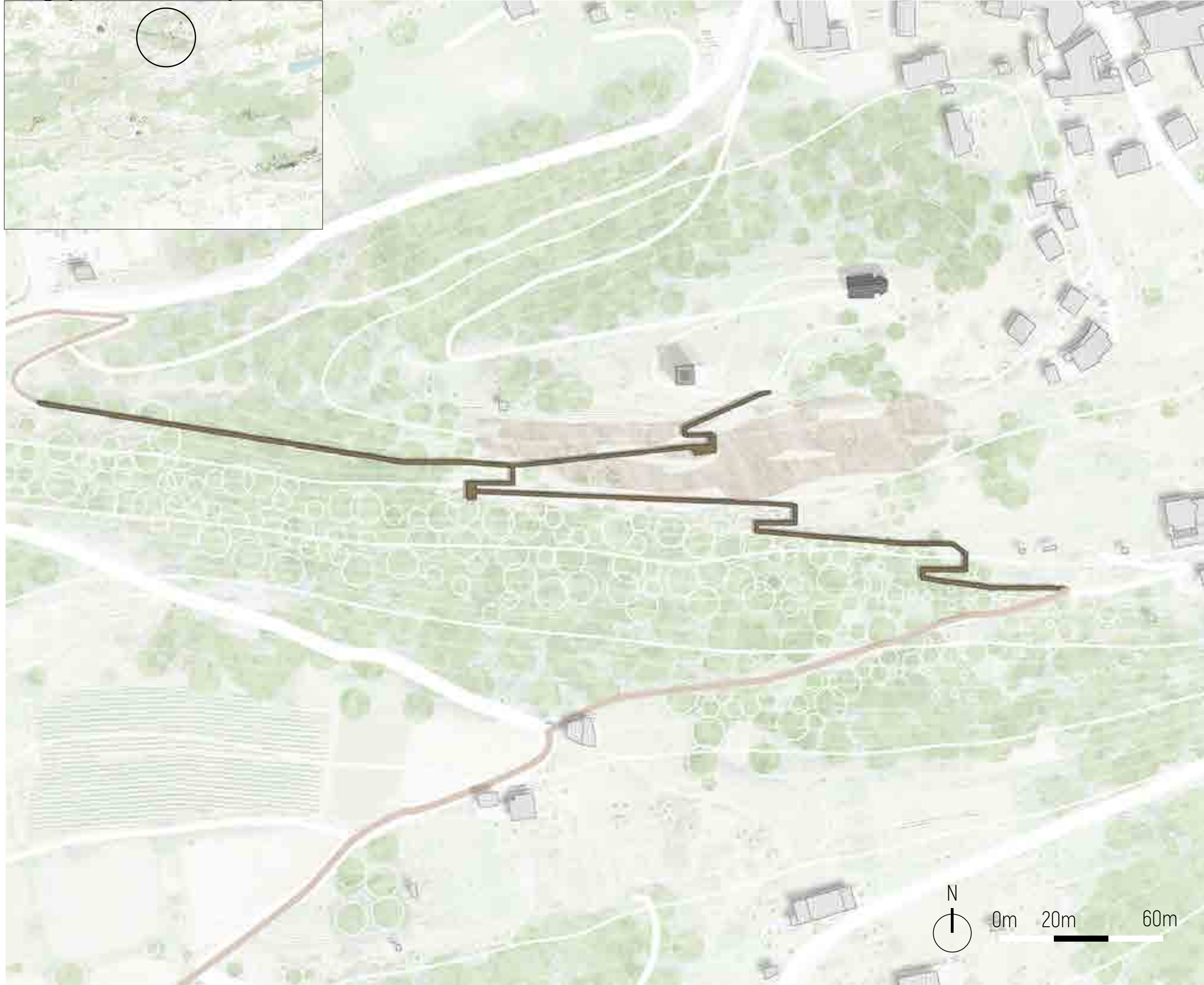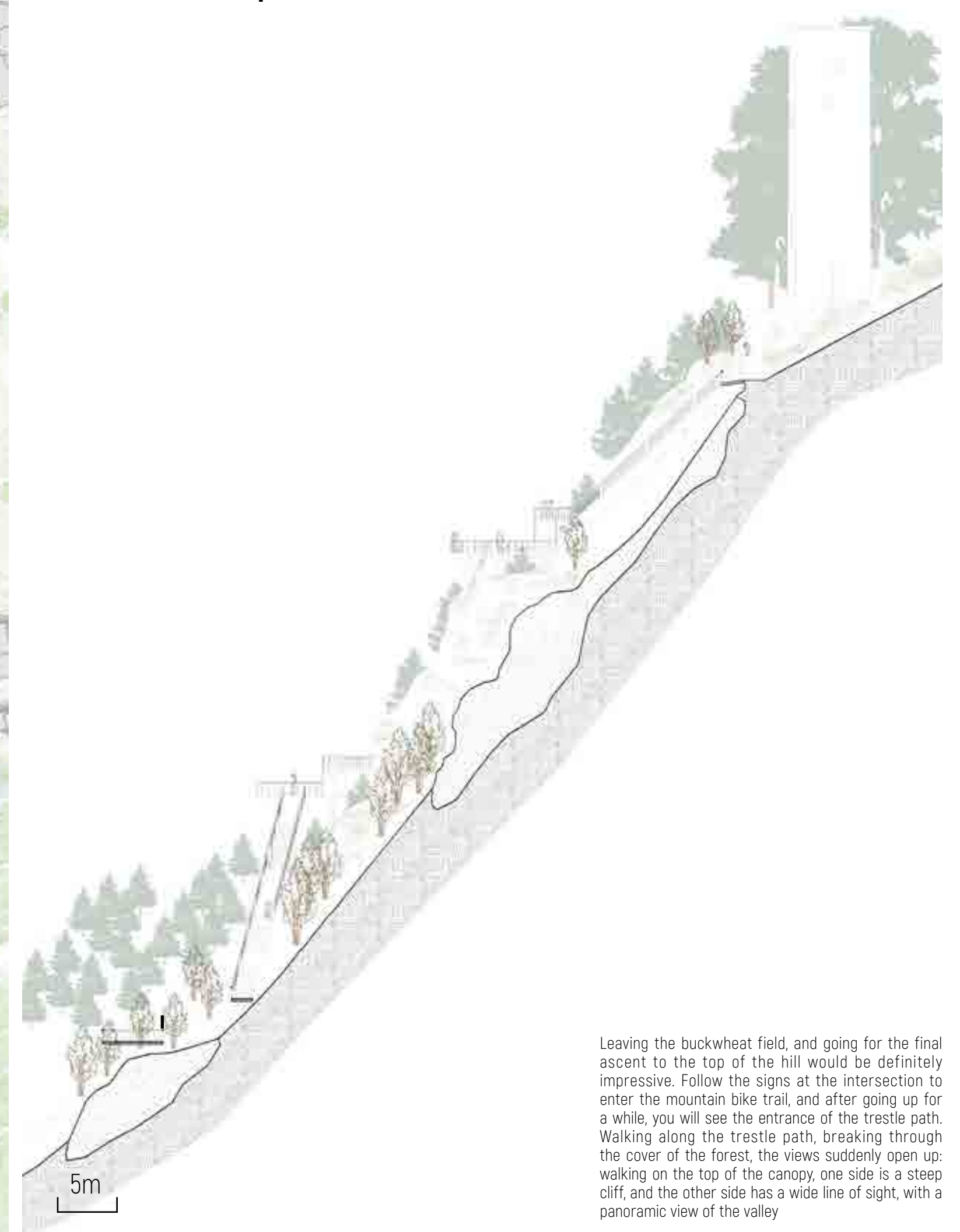## ENHANCING THE POTENTIAL OF LANDSCAPE IN TEGLIO

POLITECNICO MILANO 1863

■ROCKY CLIFF PATH DESIGN

Design plan of the trestle path

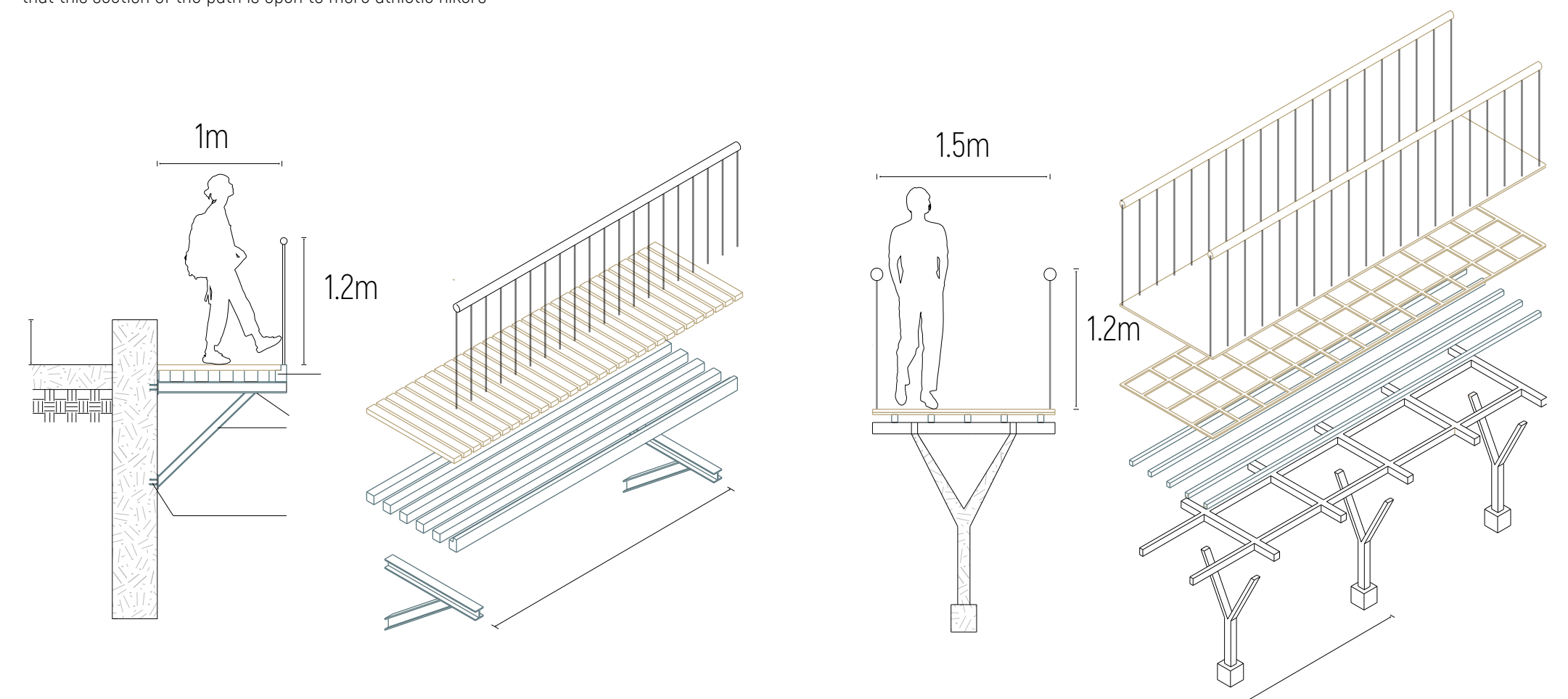**Section of the trestle path**

0m   20m   60m

5m

Leaving the buckwheat field, and going for the final ascent to the top of the hill would be definitely impressive. Follow the signs at the intersection to enter the mountain bike trail, and after going up for a while, you will see the entrance of the trestle path. Walking along the trestle path, breaking through the cover of the forest, the views suddenly open up: walking on the top of the canopy, one side is a steep cliff, and the other side has a wide line of sight, with a panoramic view of the valley

Perspective of trestle viewing platform

Structure of the wooden trestle

To reduce the difficulty of climbing, we used the zigzag path and steps, but the road to the Torre de li Beli Miri is still relatively steep, we recommend that this section of the path is open to more athletic hikers

1m   1.2m   1.5m   1.2m

Cliff and trestle elevation

Multi-layer structure of the trestle path, with more more stable foundation underneath, and light wooden structures on top.