CONCEPT DEVELOPMENT
Battling the Loss of Biodiversity

the Oasis

"I paesaggi [...] sono luoghi di incontri, mai completamente stabili, tra specie viventi, e gli esseri umani non sono che un elemento, certamente a volte predominante, di questi incontri e degli insiemi che ne risultano"

Jean-Marc Besse, *Paesaggio ambiente. Natura, territorio, percezione*, 2020.

Located on the existing Canaro Solar Park, The Oasis proposes a series of actions to balance energy efficiency and landscape quality, while giving a direct answer to the protection of the local avifauna.
This research proposes an experimental approach that focuses on the needs and well-being of birds, assuming that the implementation of strategies aimed at their preservation will produce overall habitat restoration relevant to wildlife more broadly.

PROTECTED SPECIES

Protected species identified by the Italian Bird Directive

LOCATION

Birds recorded in the Rovigo area for nesting or wintering

HABITAT

Selection of species present in farmlands

Ciconiidae/ardeidae
Great Egret
Λ

Circus aeruginosus
Western Marsh Harrier
•

Circus cyaneus
Hen Harrier
ᴡ

Circus pygargus
Montagu's Harrier
+

Grus grus Linnei
Common Crane
Ø

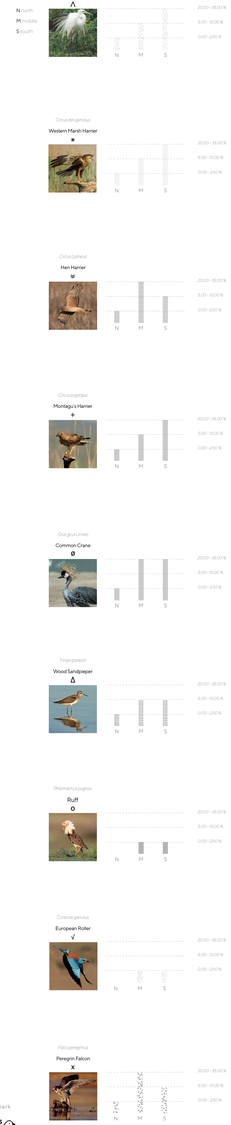
Tringa glareola
Wood Sandpiper
Δ

Philomachus pugnax
Ruff
O

Coracias garrulus
European Roller
√

Falco peregrinus
Peregrin Falcon
x

N North
M Middle
S South

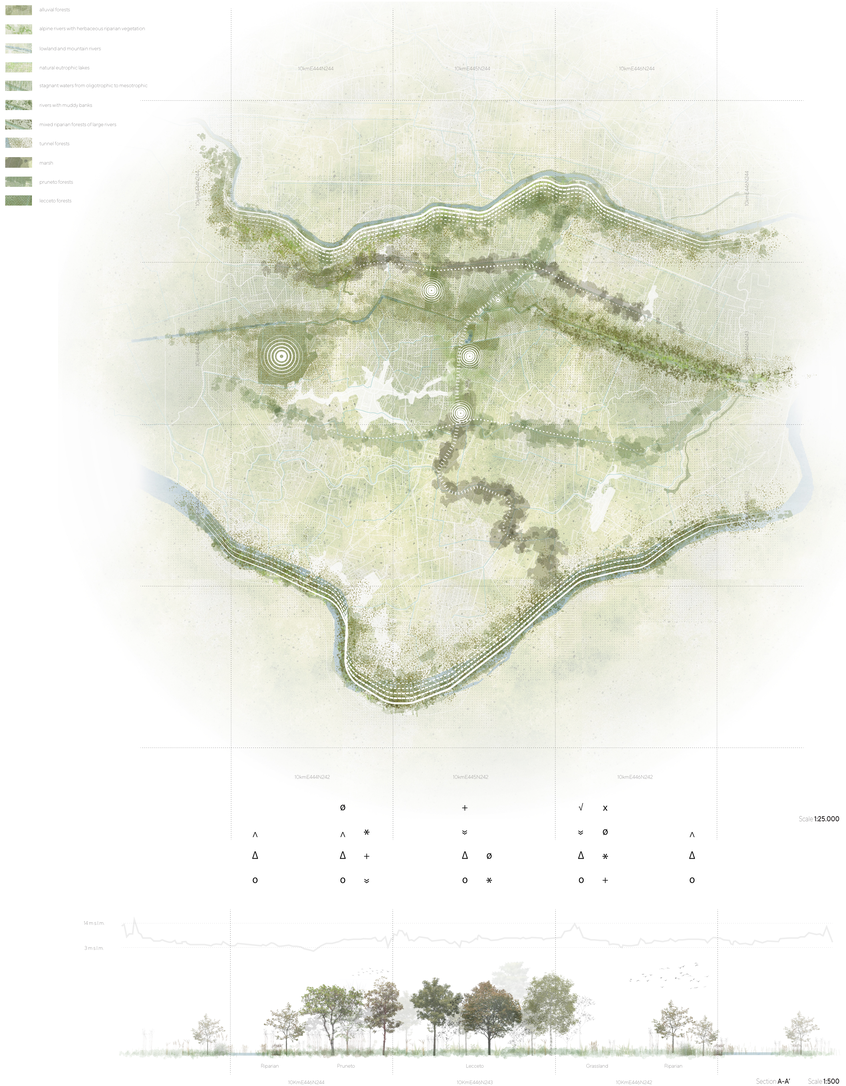


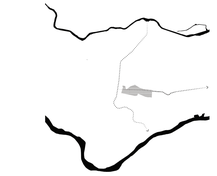
Designing a circuit to promote biodiversity in a solar park
EXISTING SITUATION
Supervisor : **Prof.ssa Sara Protasoni**
Assistant supervisor : **Dott.ssa Sara Barani**
Thesis of **R.T Coli, F. Ferrara, G. Zogaglia**

POLITECNICO MILANO 1863

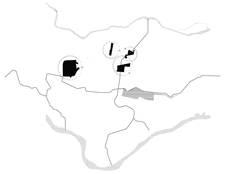
the Oasis

LARGE SCALE ACTIONS TO DIVERT BIRDS
Strategies for deverting birds from entering the PV park area





Implementation of an ecological corridor to provide safe passage for birds from the Adige river to the Po river



The existing ecological patches are identified and connected

Riparian buffers of Pruneto and Lecceto forests along the canals connect the fragmented ecological patches

Habitats are defined according to the Habitat Directive 92/43/CEE

EXISTING SITUATION
PV park and intensive agriculture