Country / City	Italy / Trento
University / School	University of Trento / DICAM / School of Architecture and Building Engineering
Academic year	2017 / 2018
Title of the project	The floating landscape of the lake of Santa Giustina. Rediscover and reactivate “invisible” landscapes through interventions between water, nature and architecture
Authors	Michele Sicher

TECHNICAL DOSSIER

Title of the project	The floating landscape of the lake of Santa Giustina. Rediscover and reactivate “invisible” landscapes
Authors	Michele Sicher
Title of the course	Master Thesis
Academic year	2017 / 2018
Teaching Staff	Prof. Arch. Favargiotti Sara / Prof.Ing. Toffolon Marco
Department/Section/Program of belonging	Department of Civil, Environmental and Mechanical Engineering School of Architecture and Building Engineering
University/School	University of Trento / DICAM / School of Architecture and Building Engineering

Written statement, short description of the project in English, no more than 250 words

The issue of the energy supply has always played a fundamental role in the transformation of the landscape, particularly in the alpine territories. Since the Fifties, impressive infrastructures were built in the Alps necessary for the production of hydroelectric energy.

These works have heavily altered the places, the lives and the territories of the areas involved. The lake of Santa Giustina – in the north of the city Trento (IT) - was formed following the creation of the dam which quickly hid, under its waters, an invisible landscape made up of traces of the ancient communication system, bridges, streets, mills that have now become submerged ruins.

The invisible landscape periodically appears because the basin is regulated by environmental, energetic, economic flows and conditioned by strong alluvial events, strongly increased with the climate change, which generates a high variation in the height of the water level. The lake becomes a floating system that shows and hides its slopes, passing from living landscapes, made of vegetation and water, to other ones made of stone and silence.

The projects propose different interventions distinguishable by size and strategy united by a shared strategy of meeting between water, nature and architecture. These interventions, facing the extremely vulnerable and changing environment such as the artificial basin, adapt themself to the fluctuation of the lake, transforming critical issues into opportunities.
These proposals want to be possible strategies that future cities will have to consider and adapt to coexist and contrast the critical progress of climate change.

For further information
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CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020

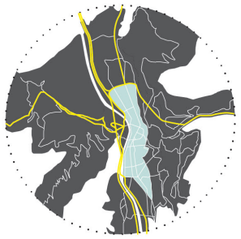
SCHOOL PRIZE

Valle di Non
Lake S.Giustina

100 %

Area
3,76 km2

Perimeter
24,10 km



Trento
City

139 %

Area
5,26 km2

Perimeter
14,34 km

Milano
Center

319 %

Area
12,02 km2

Perimeter
13,29 km

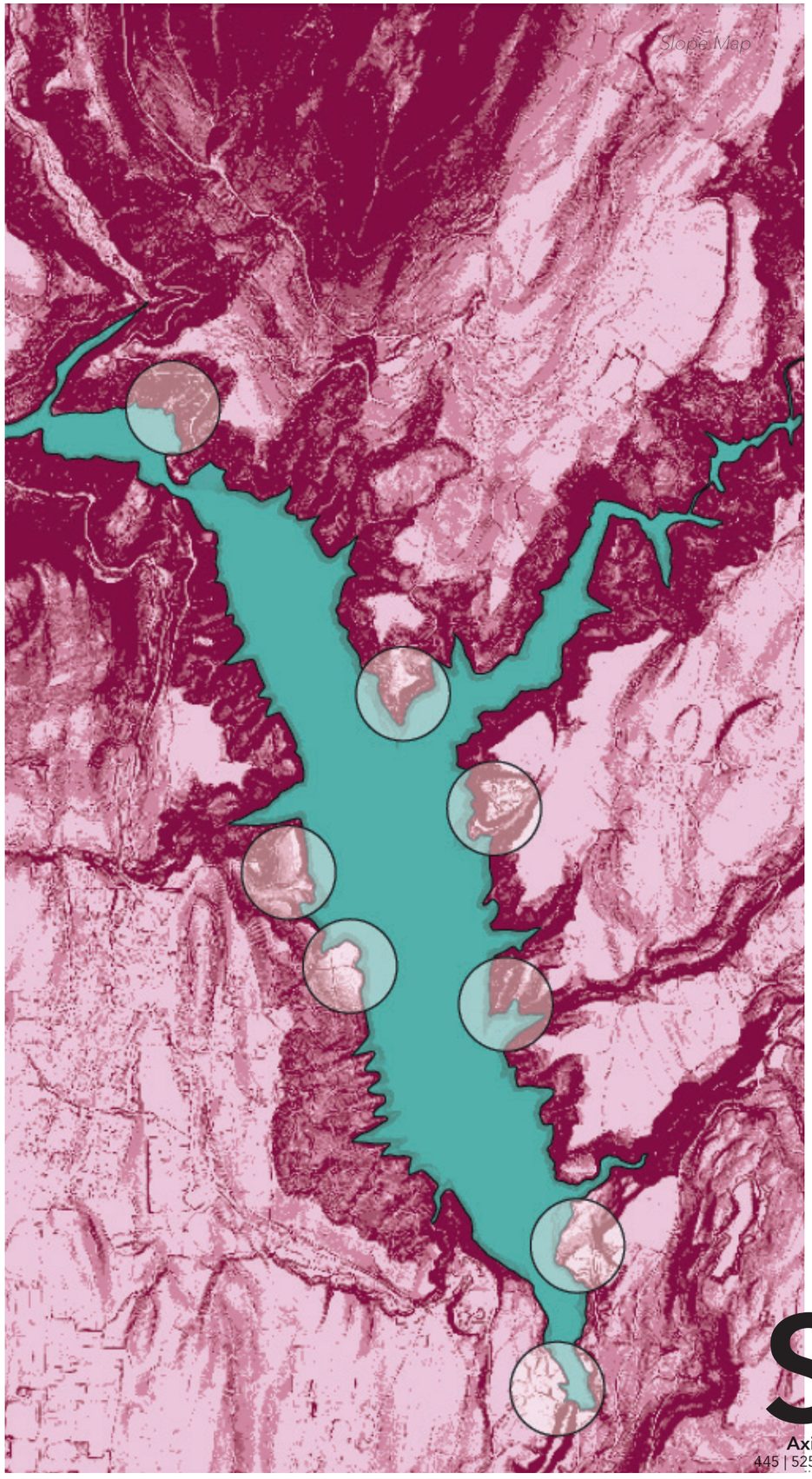
Manhattan
Central Park

89 %

Area
3,36 km2

Perimeter
9,36 km

Dimension|Shape proportion between the lake and Cities



S

Axis
445 | 525 mslm

Invisible landscape

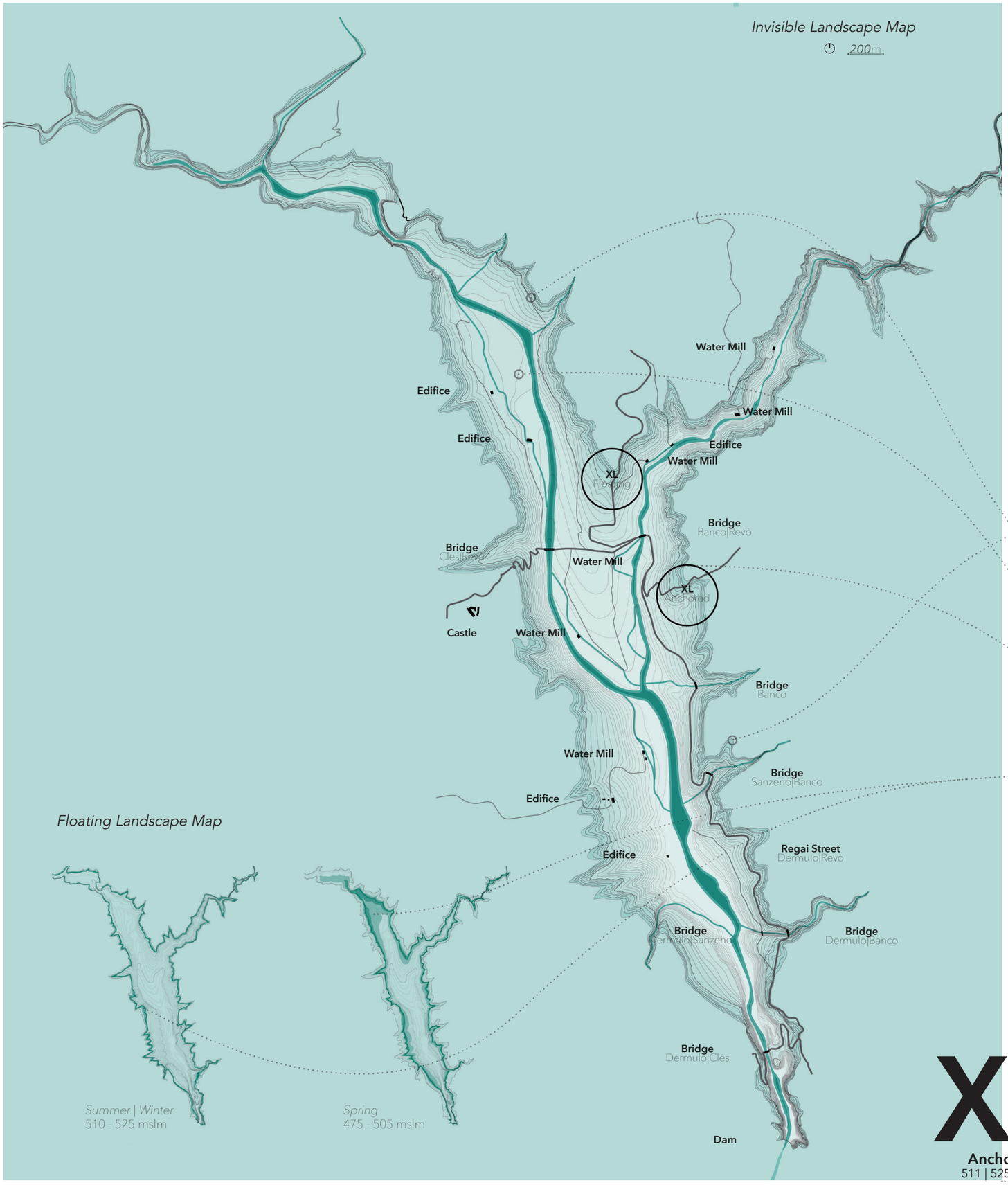
Visible Landscape

- 525 mslm -

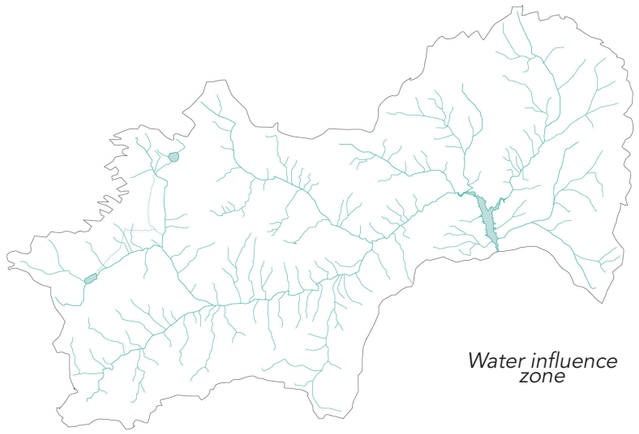
Invisible Landscape

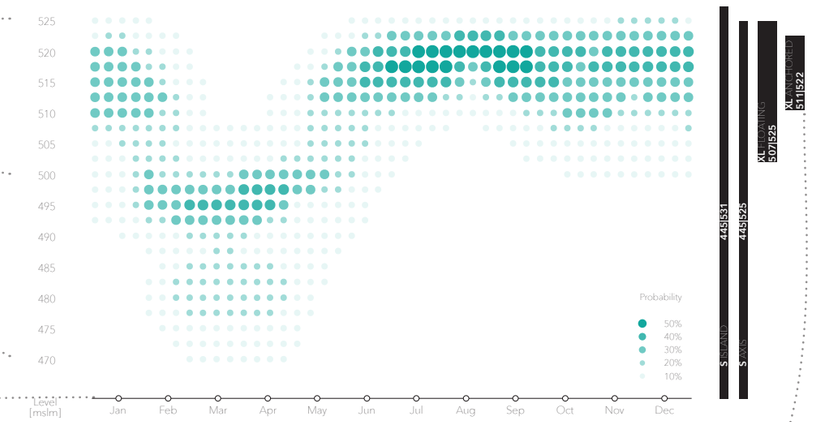
- 485 mslm -

Proposal - Invisible Landscape

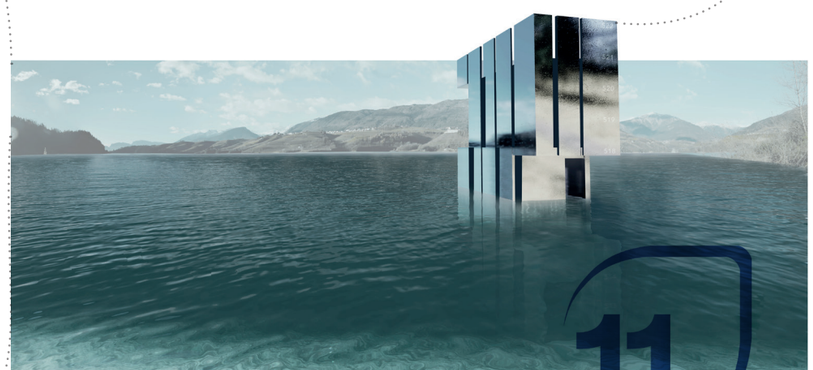


Floating landscape





Distribution curve of the monthly average probability of the lake level



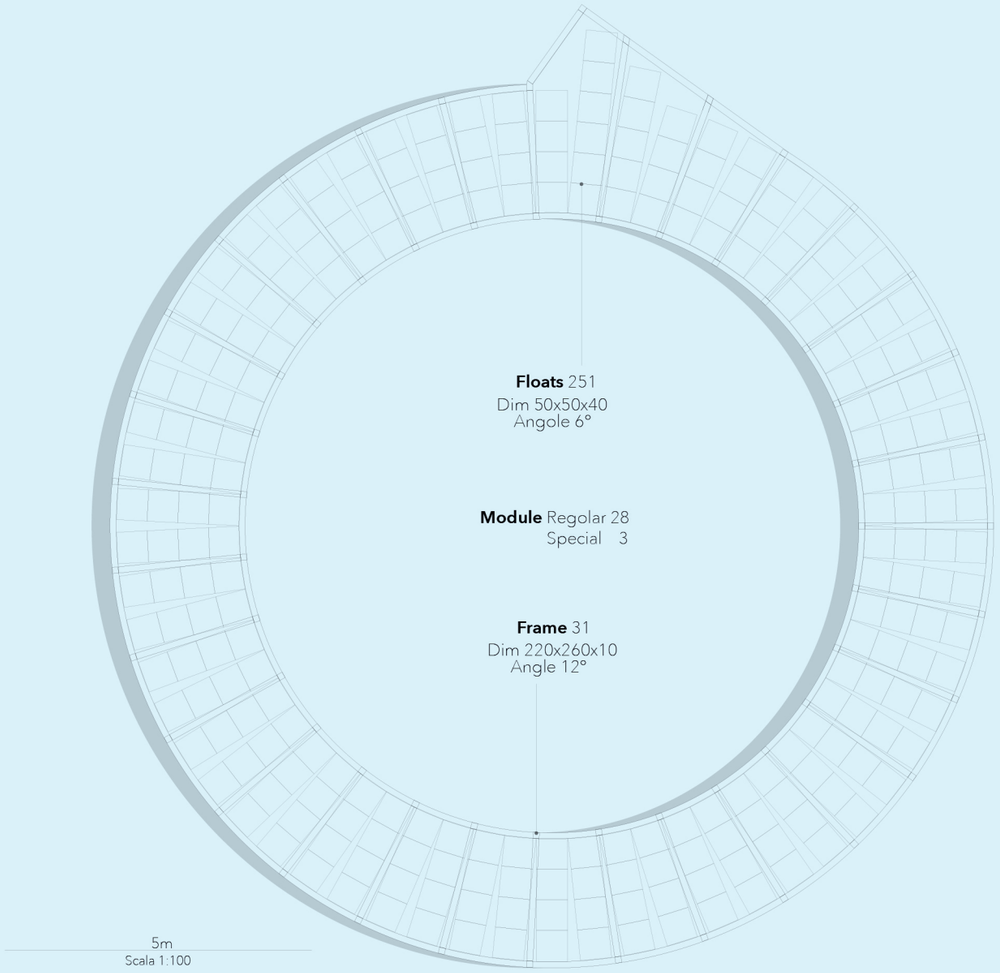
Proposal - Floating Landscape

XL

Anchored

511 | 525 mslm

Project proposal

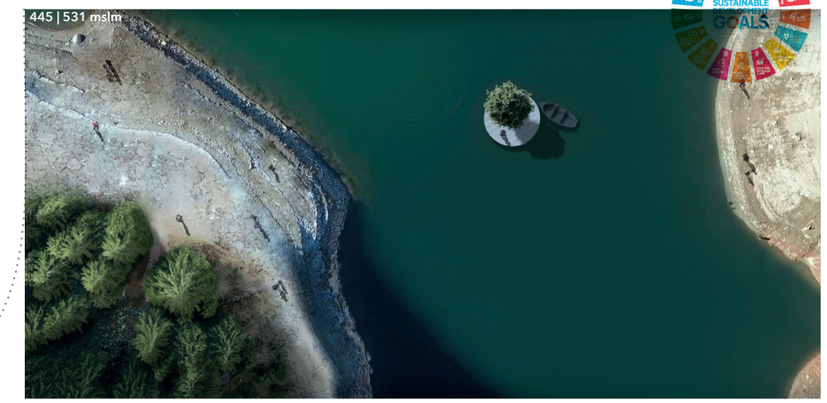


S

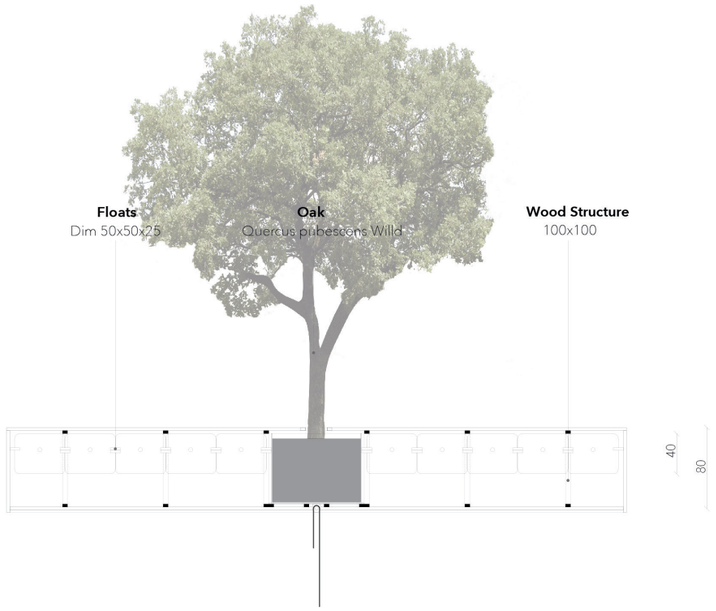
Rediscover
Memory Theme

Bringing back to light the submerged "invisible landscape" made of stones and history, which have now become imperceptible and illegible, is a duty.

The S interventions allow to rediscover the ancient network of connections and with it the multitude of mills, farms, orchards and cultivated fields.



Proposal - S Island



Proposal - XL Floating

Reactivate
Landmark

XL

Tangible mark on the landscape keeping the essence of the place unchanged.

A landmark capable of reducing the perceptual distance between the inhabited area and the forgotten lake. It is the starting elements on which build a systematic intervention.