

TOWARDS NEW TERRESTRIAL LANDSCAPES

FORMA TERRAE Productive Landscapes
MAP International 2nd level Master degree
in Landscape Architecture

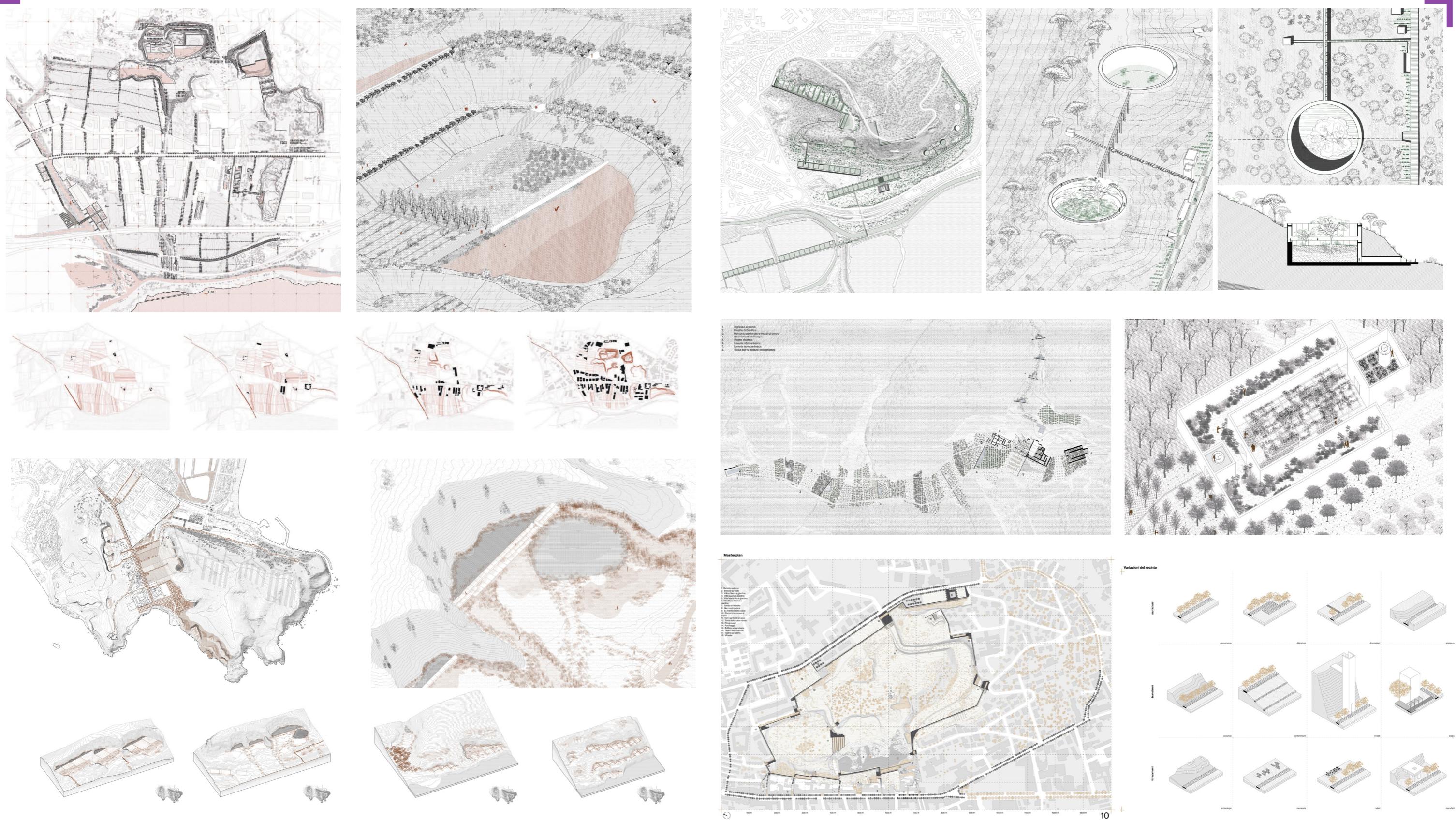


MASTER
ARCHITETTURA
DEL PAESAGGIO
UNIVERSITÀ DEGLI STUDI DI CAGLIARI

Thesis laboratory
FORMA TERRAE
MASTER DEGREE IN ARCHITCTURE - UNICA

Please provide a 250-word text explaining the selection criteria used to choose the five projects representing the school in the Ribas Piera Prize. Detail the aspects evaluated, such as conceptual quality, innovation, thematic relevance, technical resolution, or any other criteria considered in the selection process with a single image, characteristic of the academic process, to accompany the text.

The proposal "Towards New Terrestrial Landscapes" brings together the experiences of the most advanced levels of landscape architecture education at the Cagliari School of Architecture: the Thesis Laboratory: Productive Landscapes - FORMA TERRAE within the Master's Degree Program in Architecture, and the 2nd level International Master degree in Landscape Architecture, promoted by DICAAR and the Municipality of Carbonia, focusing on the multiple themes of contemporary landscape and environment. These programs are part of the complex and extensive research that the Cagliari School of Architecture has undertaken and continues to pursue on landscape, along with other activities such as theoretical and design courses, workshops, and international summer schools, seminars, and conferences that have hosted leading figures in Italian and international landscape architecture. Recently, these two advanced landscape design programs have been brought together by the topic of the return to terrestrial landscape, both as a manifestation of a workable, material, and productive reality and as a field of experimental research on the themes of ecology, the environment, and the use of natural resources.



Country/City

Italy / Cagliari - Carbonia

University / School

School of Architecture and Department of Civil, Environmental Engineering and Architecture (DICAAR) of the University of Cagliari

Academic year

2020-2021 2021-2022 2022-2023 2023-2024 2024-2025

Title of the project

Towards New Terrestrial Landscapes

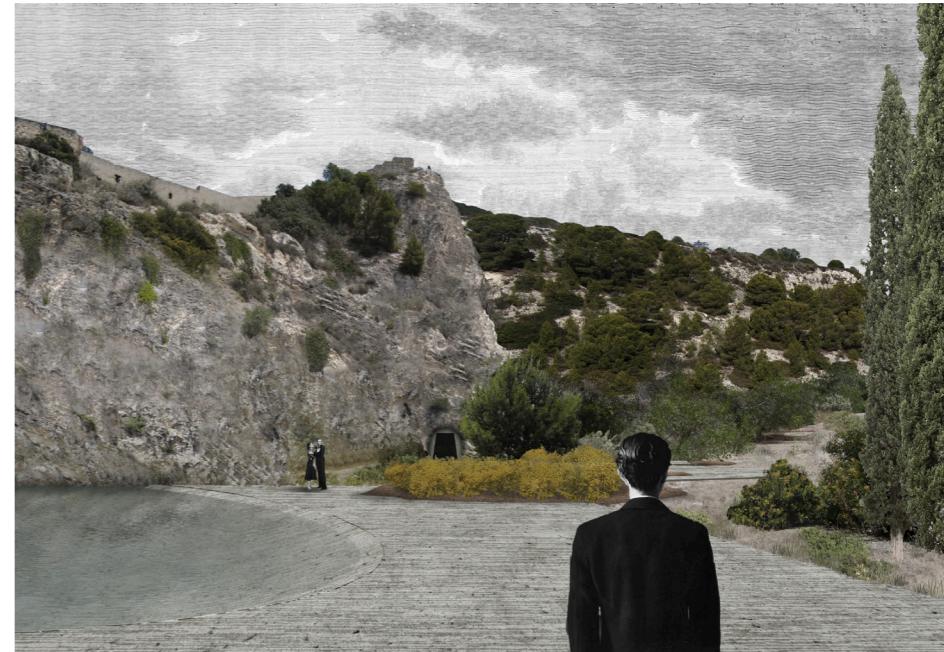
Authors

Cristiana Caddeo, Ilaria Corrias, Martina Fanni, Alberico Farci, Silvia Ledda, Fabio Piludu, Benedetta Rombi, Danila Artizzu, Gianni Ballone, Carla Bangoni, Mattia Giuseppe Barranca, Alice Becciu, Arianna Bernardini, Olivia Claudia Bina, Barbara Boi, Valeria Casciu, Anna Corda, Roberta D'Angelo, Massimo Congiu, Giovanni Andrea Enna, Luca Floris, Giovanna Murtas, Gabriele Sanna, Roberto Sanna, Santina Secchi, Davide Scarabottini, Mauro Tatti, Laura Tuveri

TECHNICAL DOSSIER

Title of the project	TERRESTRIAL LANDSCAPES
Authors	28 students from graduation and post-graduation labs
Title of the course	Towards New Terrestrial Landscapes. Forma Terrae + MAP
Academic year	2020-2021 2021-2022 2022-2023 2023-2024 2024-2025
Teaching Staff	Adriano Dessi, Giorgio Peghin (Teachers), Luca Floris, Gabriele Sanna, Roberto Sanna, Andrea Scalas (Tutors)
Department / Section / Program of belonging	Department of Civil, Environmental Engineering and Architecture (DICAAR).
University / School	School of Architecture / University of Cagliari

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

Forma Terrae has explored the themes of excavating, cultivating, and extracting the soil for new forms of production modeling and ecology of public space. All the projects presented stood out for their excellent thematic framework and significant depth at various scales, as well as for their interpretation, ranging from the scale of the city and its landscape to the morphologies and ecological structures of specific places.

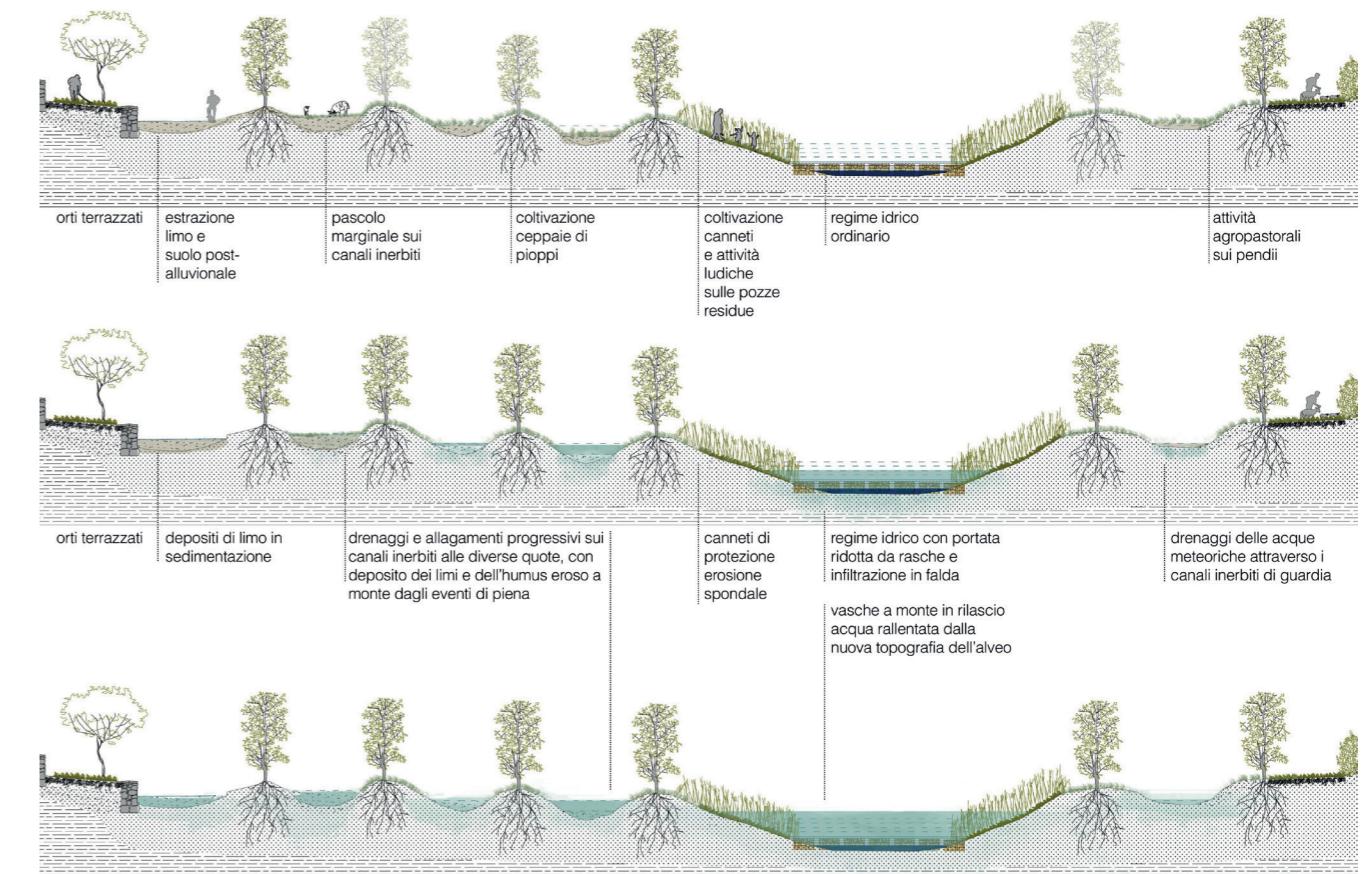
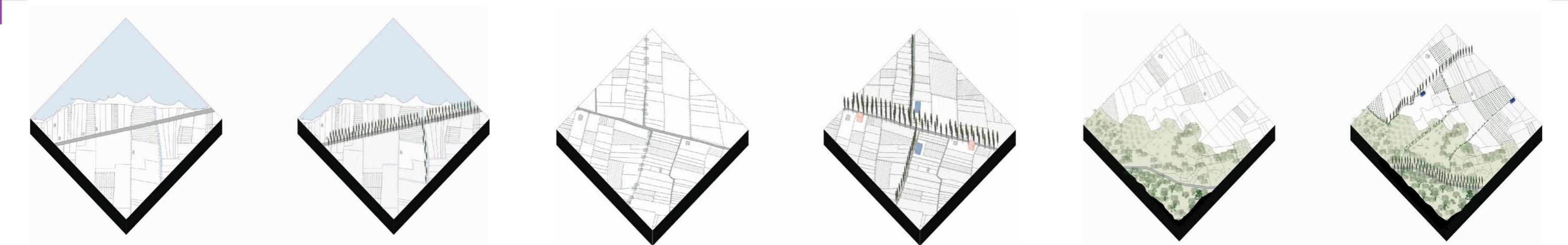
In some cases, there was also notable technical and architectural development. Now in its third edition, the Second-Level International Master Degree in Landscape Architecture fosters advanced technical, cultural, and design skills in the field of landscape architecture, with a strong focus on sustainability and territorial regeneration. Teaching is structured around real-world challenges and on complex and fragile territories, producing experimental design strategies aligned with the Paris 2030 Agenda and the European Landscape Convention.

The Master prepares participants for professional roles in landscape architecture, urban and territorial planning, and environmental design, equipping them to operate in interdisciplinary and international contexts.

Barcelona International Landscape Biennial

Contact via email:
biennaladm@coac.net

Venue:
COAC - Col·legi Oficial d'Arquitectes de Catalunya
Carrer Arcs 1-3, 08002 Barcelona - Spain





Country/City

Italy / Cagliari

University / School

School of Architecture and Department of Civil, Environmental Engineering and Architecture (DICAAR) of the University of Cagliari

Academic year

2020 - 2021

Title of the project

THE OPEN-AIR THEATRE

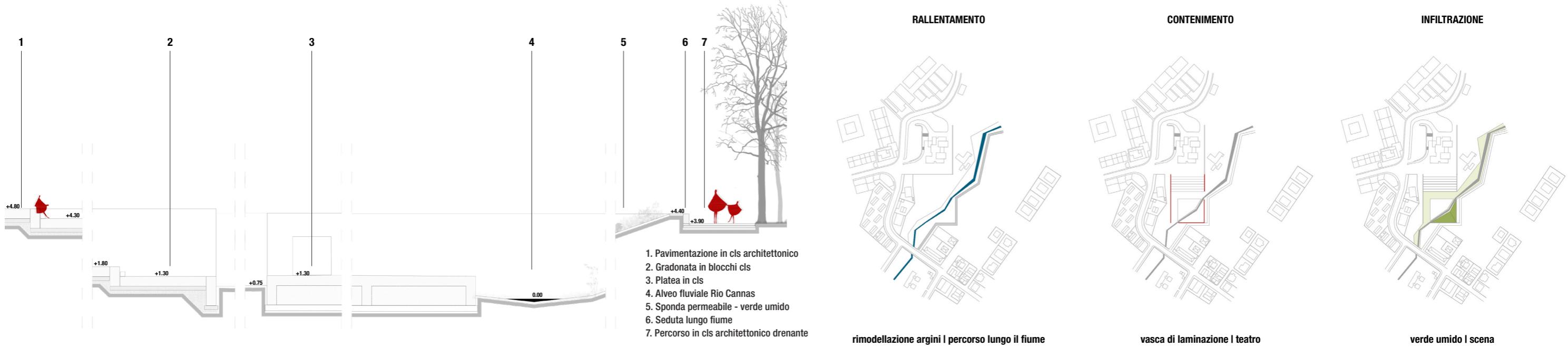
Authors

Carla Bangoni, Alice Becciu, Anna Corda, Roberta D'angelo

TECHNICAL DOSSIER

Title of the project	THE OPEN-AIR THEATRE
Authors	Carla Bangoni, Alice Becciu, Anna Corda, Roberta D'angelo
Title of the course	Towards New Terrestrial Landscapes - MAP International 2nd level Master degree in Landscape Architecture
Academic year	2022-2023
Teaching Staff	CZ STUDIO: Paolo Ceccon & Laura Zampieri
Department / Section / Program of belonging	Department of Civil, Environmental Engineering and Architecture (DICAAR)
University / School	School of Architecture / University of Cagliari

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The design process can be interpreted as a strategic sequence articulated through three distinct actions over time. The first action, a 'slowing down' of the river's flow, involves the reshaping of the riverbanks. By redesigning the edges using a sequence of frequent angular segments, the flow of water is decelerated. This newly articulated edge also defines elevated paths along the riverbanks and provides the initial framework for the future park. The second action addresses the 'containment' of water during periods of high flow or flooding. It introduces a flood retention basin along the riverbed which, for most of the year, can be used as an open-air theatre — the central feature of the new park. This theatre, directly connected to the public space in front of the municipal building, is composed of a large stepped seating area oriented toward a stage. The stage sits on a platform accessible via a ramp that gently descends along the constructed edge of the opposite riverbank. The third and final action, described as 'infiltration', focuses on the complete permeability of the new park surfaces. Through the careful introduction of selected plant species, especially along the banks, the design promotes ecological absorption and filtering. These vegetated embankments, situated at the base of the square platform, become the backdrop for the open-air performances, merging landscape infrastructure and cultural programming into a unified spatial gesture.

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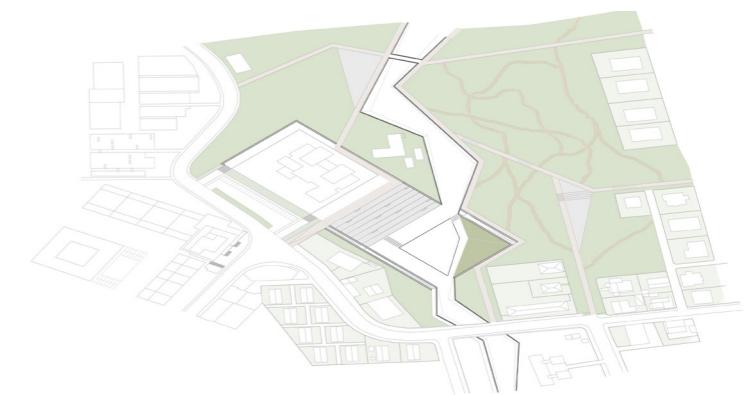


1. Ingressi al parco
2. La nuova piazza pubblica gradonata
3. Il teatro all'aperto
4. I percorsi lungo fiume
5. Le aree di sosta del parco
6. Il ponte pedonale di connessione tra le due sponde



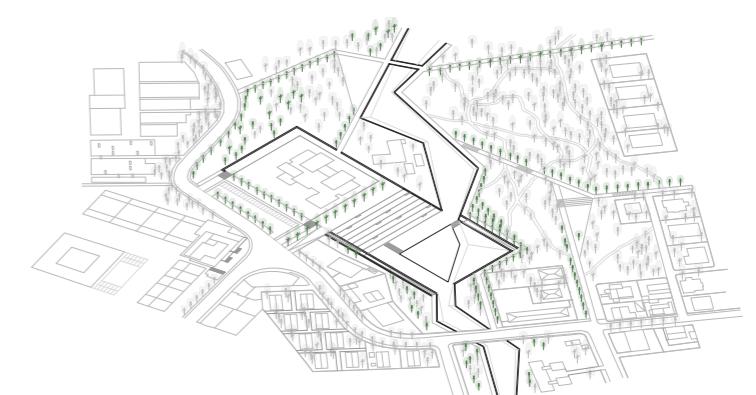
ACCESSIBILITA' I PERCORSI

- percorsi liberi
- percorsi secondari
- percorsi principali
- parcheggi
- strade carrabili
- aree di sosta



SUPERFICI PERMEABILI - IMPERMEABILI

- prati stabili alberati
- verde privato
- verde umido
- superfici in cls
- percorsi in cls architettonico drenante
- percorsi in terra stabilizzata



ALBERATURE

- alberi esistenti
- alberi di progetto



Country/City

Italy / Cagliari - Carbonia

University / School

School of Architecture and Department of Civil, Environmental Engineering and Architecture (DICAAR) of the University of Cagliari

Academic year

2022-2023

Title of the project

FLOATING PLATFORMS. New productive archaeologies for the Santa Gilla Lagoon

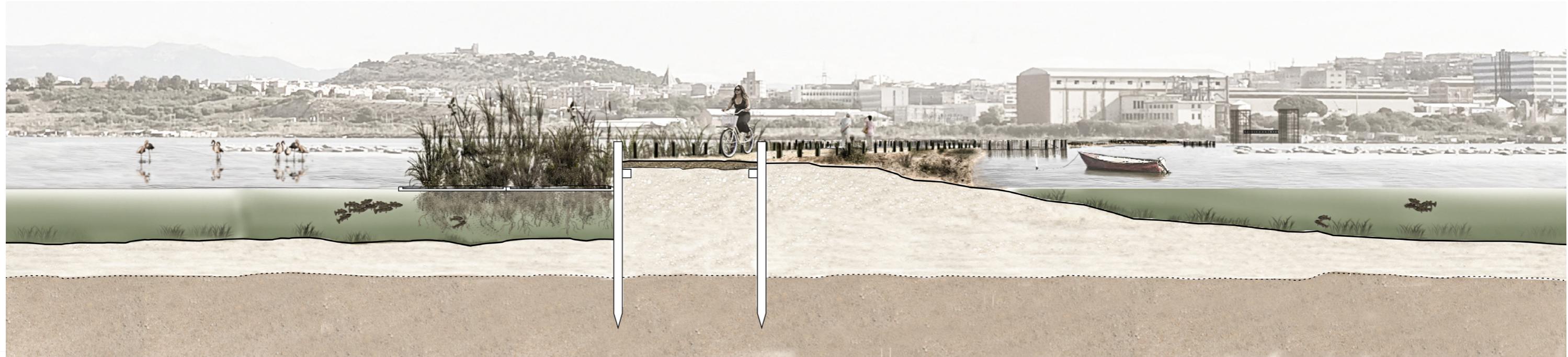
Authors

Luca Floris, Gabriele Sanna, Roberto Sanna

TECHNICAL DOSSIER

Title of the project	FLOATING PLATFORMS. New productive archaeologies for the Santa Gilla Lagoon
Authors	Luca Floris, Gabriele Sanna, Roberto Sanna
Title of the course	Towards New Terrestrial Landscapes - MAP International 2nd level Master degree in Landscape Architecture
Academic year	2022-2023
Teaching Staff	João Nunes
Department / Section / Program of belonging	Department of Civil, Environmental Engineering and Architecture (DICAAR)
University / School	School of Architecture / University of Cagliari

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

In the Santa Gilla Lagoon, a unique and historically stratified landscape located near Cagliari, the project investigates the processes of soil formation and ecological succession within lagoon environments. By reinstating the path of a long-lost fish farm along the arc of the palaeodune, the intervention explores the dynamic relationship between land and water and the natural capacity of pioneer species to colonise marginal environments. The new infrastructural system is conceived as a strategic and resilient device that re-establishes a physical and ecological link between the two currently disconnected shores of the lagoon. It lays the groundwork for a hybrid landscape that integrates both productive and recreational functions, operating at the intersection of ecology, archaeology, and contemporary design. The main infrastructure acts as a scaffold for the development of artificial islands intended to be gradually colonised by native pioneer vegetation. These floating or semi-floating platforms become experimental grounds for ecological regeneration, contributing to the diversification of the lagoon's habitat and the restoration of its biological richness. On either side of the central canal, two productive platforms are articulated through a grid of earthen embankments. These allow for the excavation of basins dedicated to aquaculture and experimental agriculture, while also enabling the possible recovery and visibility of submerged or buried archaeological remains dating back to ancient and medieval times. This landscape infrastructure proposes a new model of coexistence between ecological restoration, productive reuse, and cultural heritage in fragile and dynamic coastal territories.

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1920

1943

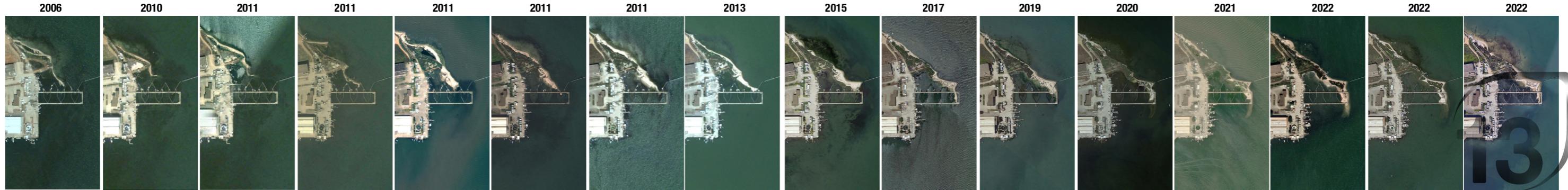
1953

1968

1977

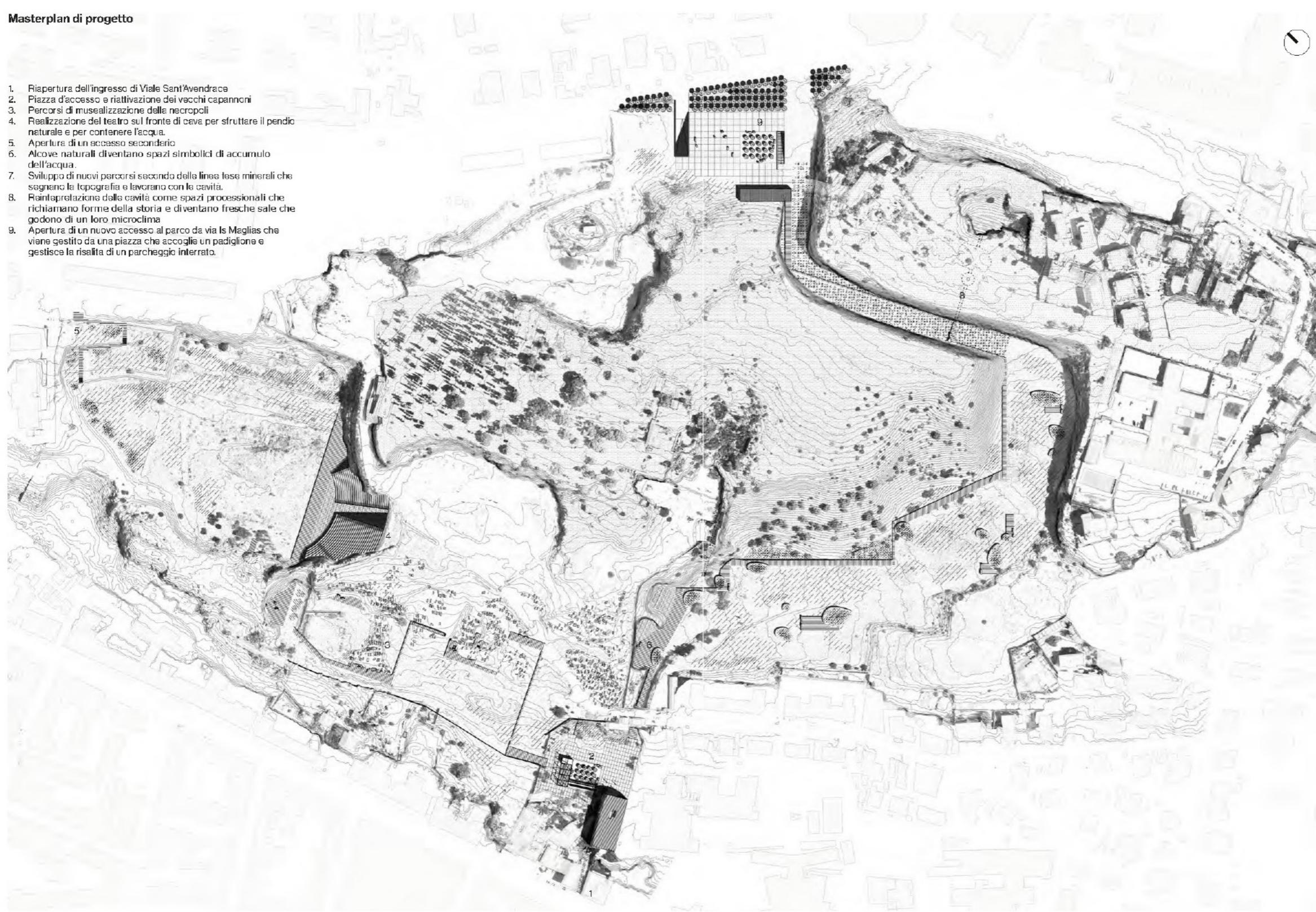
1998

CINEMATICA DI UN PAESAGGIO
La continua costruzione delle dune lungo le rive della laguna



Masterplan di progetto

1. Riapertura dell'ingresso di Viale Sant'Avendrace
2. Piazza d'accesso e riattivazione dei vecchi capannoni
3. Percorsi di musealizzazione delle necropoli
4. Realizzazione del teatro sul fronte di ceva per sfruttare il pendio naturale e per contenere l'acqua.
5. Aperture di un accesso secondario
6. Alcove naturali diventano spazi simbolici di accumulo dell'acqua.
7. Sviluppo di nuovi percorsi secondo delle linee lessive minerali che segnano la topografia e lavorano con le cavità.
8. Reinterpretazione delle cavità come spazi processionali che richiamano forme della storia e diventano fresche sale che godono di un loro microclima
9. Apertura di un nuovo accesso al parco da via Is Maglias che viene gestito da una piazza che accoglie un padiglione e gestisce la risalita di un parcheggio interrato.



Dinamiche geomorfologiche e vegetative

Macchia bassa ad "Ephorbia dendroides" e "Pistacia Lentiscus"

[V1]



0 1
metri



0 5
metri

Bosco di "Cupressus" e "Pinus Pinea"

[V2]



0 10
metri



0 10
metri

Macchia bassa ad "Thymus capitatus" con elementi arborei di "Pinus Halapensis"

[V3]



0 0,5
metri



0 10
metri

Macchia ad "Atriplex Halimus" con rari esemplari di Artemisia Arborescens"

[V4]



0 1
metri



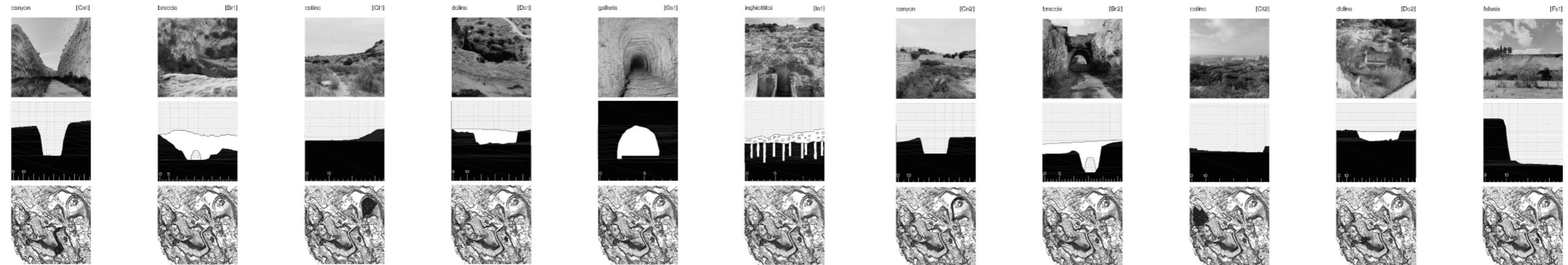
0 1
metri

Country/City	Italy / Cagliari
University / School	University of Cagliari / Faculty of Engineering and Architecture
Academic year	2022/2023
Title of the project	In-Cavo. Design of new cavities between the ground and the hypogea in the Tuvixeddu Quarry Park
Authors	Martina Fanni

TECHNICAL DOSSIER

Title of the project	In-Cavo. Design of new cavities between the ground and the hypogea in the Tuvixeddu Quarry Park
Authors	Martina Fanni
Title of the course	Towards New Terrestrial Landscapes - Forma Terrae graduation lab.
Academic year	2022/2023
Teaching Staff	Adriano Dessì, Giorgio Peghin, Luca Floris, Gabriele Sanna, Roberto Sanna, Andrea Scalas
Department / Section / Program of belonging	Department of Civil, Environmental Engineering and Architecture (DICAAR)
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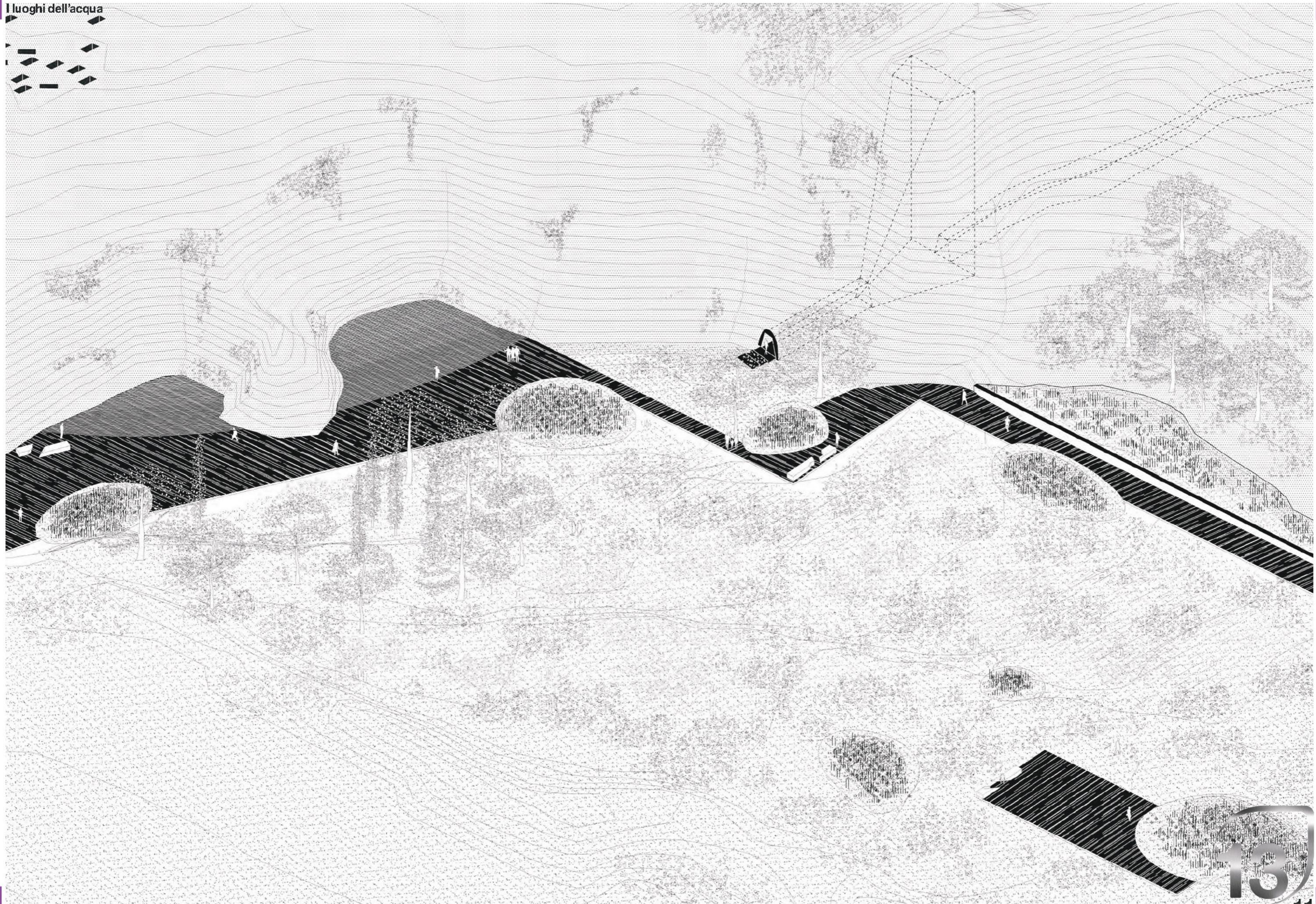
Written statement, short description of the project in English, no more than 250 words

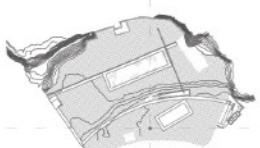
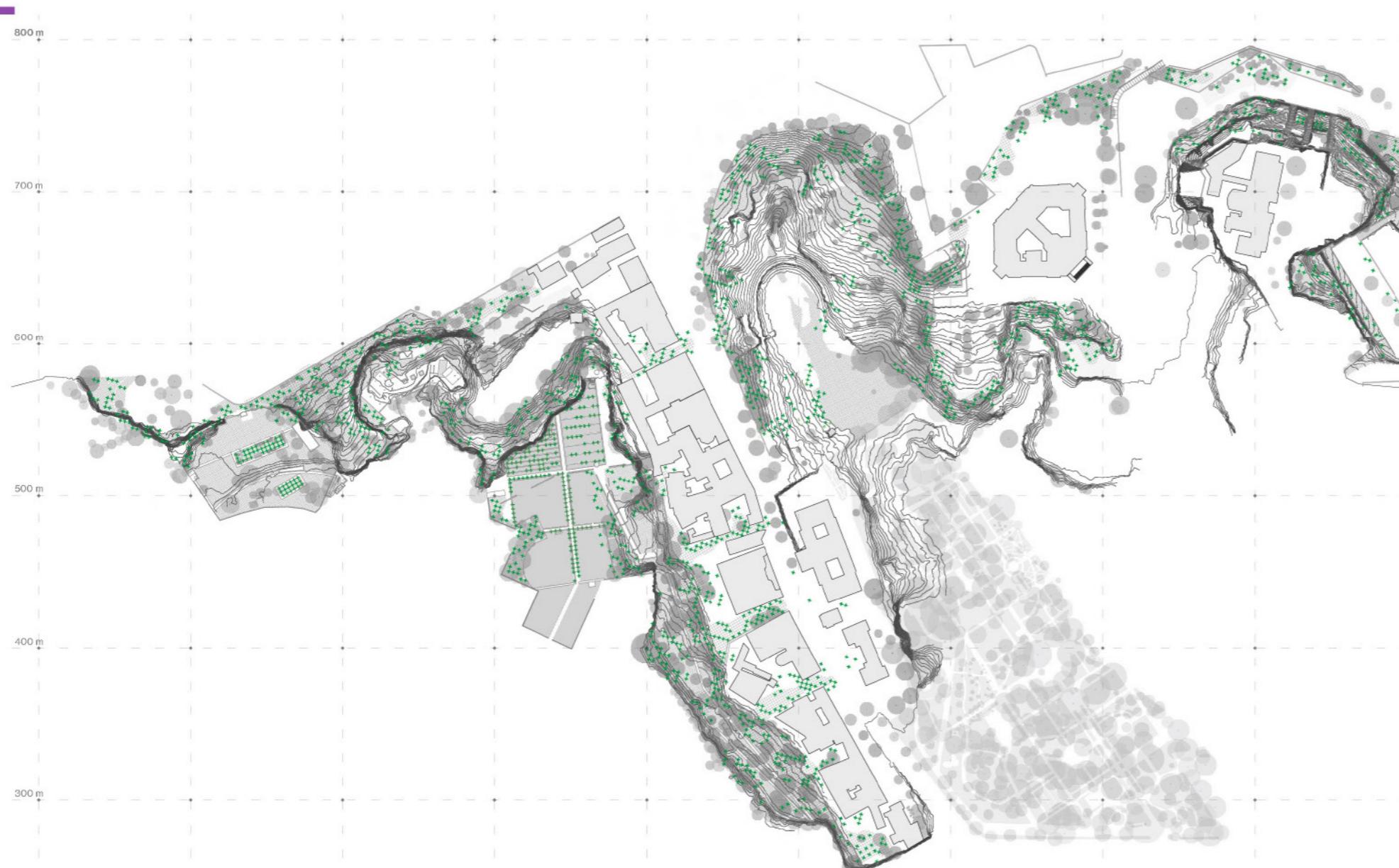
The hills of Tuvixeddu and Tuvumannu form a vast urban void that reflects a layered history of land transformations tied to burial practices and quarrying activities, which have shaped a deeply marked landscape. In the last century, soil exploitation played a crucial role in their exclusion from the urban context and in the loss of their centrality. Yet these very processes contributed to the formation of a new morphology, marked by a complex interplay of epigean and hypogea forms, each relating to the territory through its spatial scale and generating distinct types of space. These elements now define the new outlines of the hill and stand as unique and recognizable features of the contemporary landscape. Understanding them is essential to re-establish a genuine connection with the place. This seemingly devastated environment has gained a distinctive character through this "morphological evolution," and still retains a strong identity. The voids become an expressive tool within the project, giving meaning and value to the solids—that is, what remains. The project aims to rediscover the *genius loci* by allowing these forms to emerge, while highlighting and completing the topography that defines them. By engaging with specific and singular places, the project seeks to express the site's authenticity and formal diversity, animating the cavities through symbolic interpretation and re-rooting itself in the ground, working in dialogue with the enduring elements of the landscape: rock and water.

Barcelona International Landscape Biennial

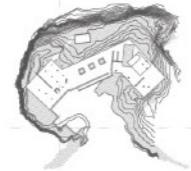
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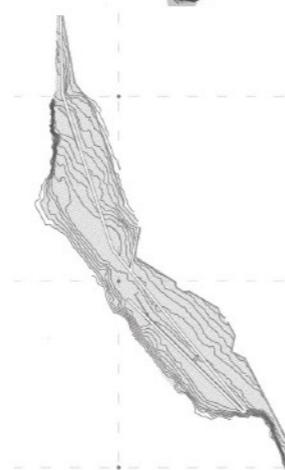
A1_PARTERRE ARCHEOLOGICI
Ex ospedale militare



A2_TERRAZZE INCOMPIUTE
Vico viale Merello



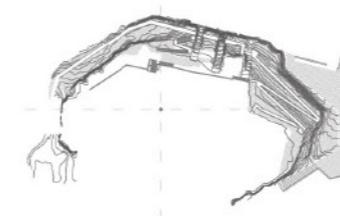
A3_LINEE PRODUTTIVE
Orto dei Cappuccini



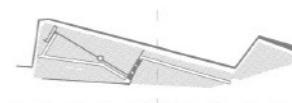
A4_TRAME A PETTINE
Viale Fra Ignazio



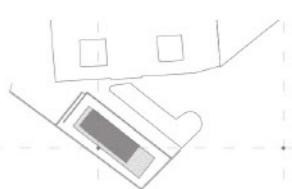
A5_PROPILEO ARBORATO
Anfiteatro Romano



A6_PROMENADE
Fossa San Guglielmo



A7_PIAZZA PENSILE
Bastione di Santa Croce



A8_CORTE IPOSTILA
Bastione del Balice

Country/City

Italy / Cagliari

University / School

University of Cagliari / Faculty of Engineering and Architecture

Academic year

2023/2024

Title of the project

Wild coves. Ecological connections in the central system of the urban quarries of Cagliari

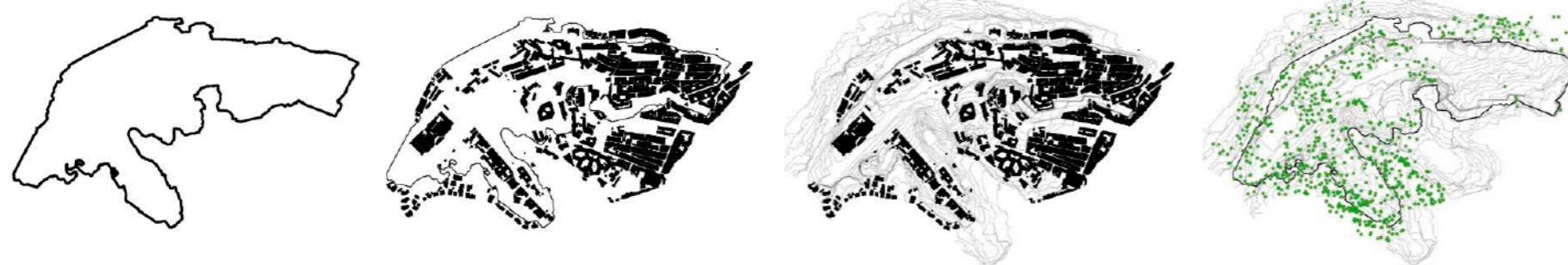
Authors

Fabio Piludu

TECHNICAL DOSSIER

Title of the project	Wild coves. Ecological connections in the central system of the urban quarries of Cagliari
Authors	Fabio Piludu
Title of the course	Towards New Terrestrial Landscapes - Forma Terrae graduation lab
Academic year	2023/2024
Teaching Staff	Adriano Dessì, Giorgio Peghin, Luca Floris, Gabriele Sanna, Roberto Sanna, Andrea Scalas
Department / Section / Program of belonging	Department of Civil, Environmental Engineering and Architecture (DICAAR)
University / School	University of Cagliari / Faculty of Faculty of Engineering and Architecture

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

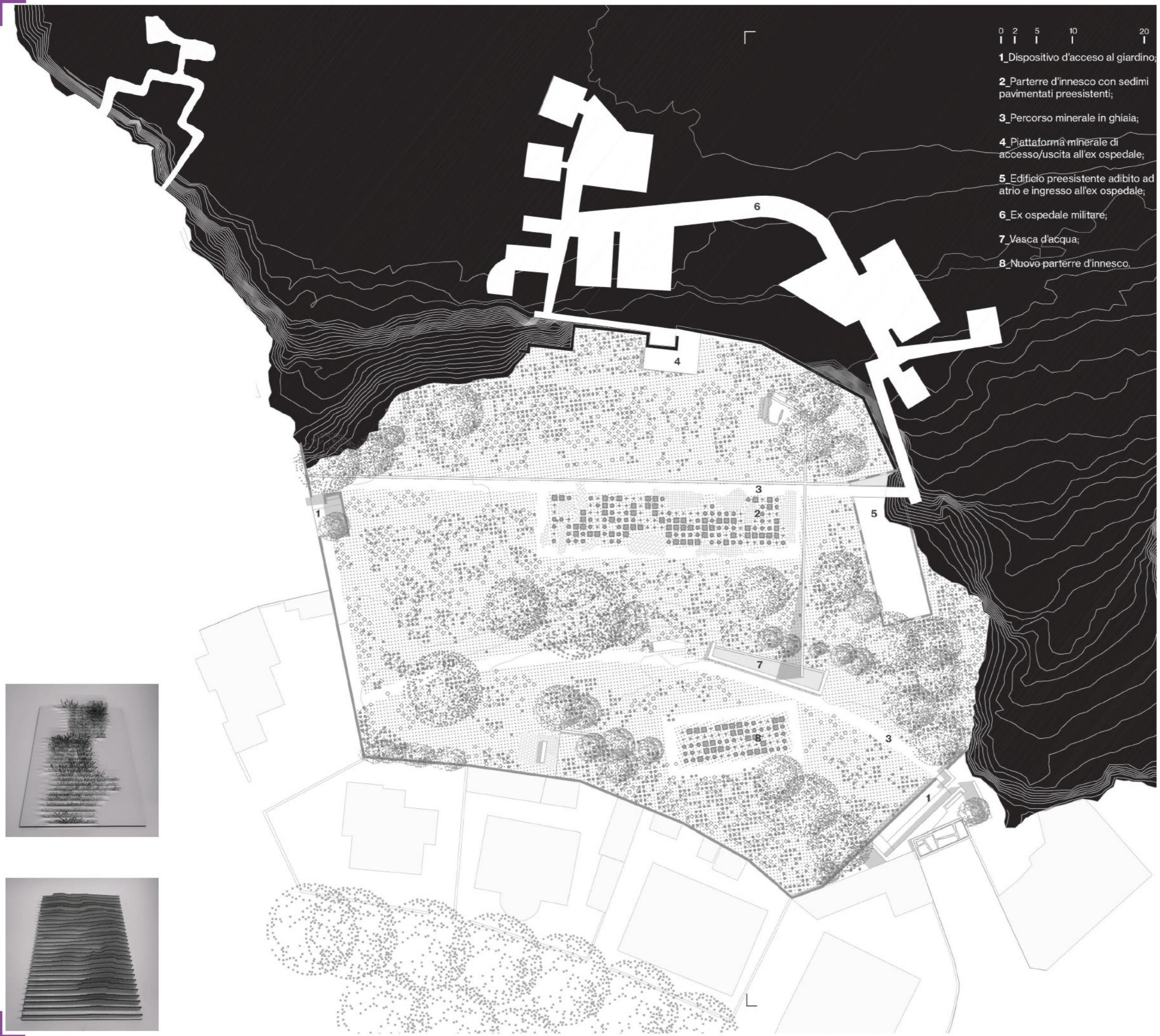
The sea, in its continuous motion, delimits and identifies the island, tracing its boundaries and defining its relationships. Similarly, the urban form identifies a morphological system within which a coastline unfolds: irregular, hollowed out, jagged, stratified, rich in coves, where the soil shape meets the city and where formal and informal systems are arranged over time. Through the landscape project, the thesis work explores the urban littoral of Cagliari's central quarry system, following its course, reading its bends as places of tension and possibility, places where the wild spreads, where the urban retreats. Following these limits, through a coasting made of proximity and distance, new ecological potential is revealed, fragments of wild continuity that time has silenced, circumscribed, or overwritten. In this fragmented system, interpreting the tension generated between the wild dimension and that of the 19th-century formal garden, the thesis reasons out a new ecological continuity through the use of the wildness, capable of making space in the residual component that the city offers and activating new ecological dynamics. A continuity that is not built by imposing connections, but by allowing the spontaneous conditions of the landscape of the quarry to suggest them.

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INNESCHI ARCHEOLOGICI
NELL'EX-OSPEDALE MILITARE



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000-
000-