# The course

The Master's Degree in Landscape Architecture (LM03) is structured with an italian course and an english course.

#### **PURPOSES**

 To train professionals able to deal with the complexity of ecological, climatic and social challenges that affect urban, natural and agricultural landscapes and to understand the human-environment interaction.

#### WHAT DO YOU LEARN

- Theoretical basis and applied tools of landscape architecture and open space design
- Traditional and advanced tools and techniques of territorial and landscape's cartography and topography
- Functioning of biological systems, soils, water and agro-forestry systems
- Landscape ecology aimed at describing, analysing and managing ecosystems at different scales
- History and theories of garden and landscape
- National and international instruments and regulations on landscape and protected areas planning
- Principles of economics and laws regarding development, management and protection of land, cultural heritage and environmental resources

#### **CARREER OPPORTUNITIES**

The Master's Degree graduated in Landscape Architecture will be able to carry out his professional activity as a coordinator or a consultant, within the private practice or in the public sphere, in the following fields:

- Landscape design
- Restoration of historical parks and gardens
- Drafting landscape plans
- Estimation, cadastral, topographical and cartographic activities
- Designing agricultural, forestry and environmental systems
- Environmental assessment and certification of landscape interventions



# Study Plan A.Y. 2025-2026

# **FIRST YEAR**

#### **I SEMESTER**

- Phitogeography and applied Geobotany (6cfu)
- Urban Forestry and Landscape (6cfu)
- Landscape Representation (6cfu)
- Theories of Contemporary Landscape (9cfu)
- -Landscape Theories of the Twentieth Century (6cfu)
- -Monographic Seminar (3cfu)

### II SEMESTER

- Landscape Design Studio I (12cfu)
- -Garden and Landscape Design (6cfu)
- -Economic Assessment (3cfu)
- -Landscape and water management (3cfu)
- Restoration and Landscape Studio (12cfu)
- -Restoration of parks and gardens (9cfu)
- -Plants defence and protection (3cfu)
- Landscape Geoscience (6cfu)
- -Landscape geomorphology (3cfu)
- -Geohazard and Land-use (3cfu)

# SECOND YEAR

### **I SEMESTER**

- Landscape Aesthetics (6cfu)
- Planning and Landscape Infrastructures Studio (12cfu)
- -Landscape Planning (6cfu)
- -Landscape Design (3cfu)
- -Landscape Ecology (3cfu)
- Landscape Design Studio II (12cfu)
- -Landscape Design (6cfu)
- -Urban Design (3cfu)
- -Landscape Agronomy (3cfu)

# II SEMESTER

• Internship- Workshop - Computer skills (3cfu)

# To complete the course

- Elective courses (18cfu)
- Final Thesis (12 cfu)

The five selected projects are representative of Landscape Architecture School at Sapienza-Rome, whose primary objective is to train designers capable of addressing the most pressing environmental, climate, and social challenges through landscape design tools. Students are therefore trained to develop proposals for transforming cities and landscapes, using environmental variables (soil, water, vegetation, fauna, climate) as design materials, leveraging the intelligence of nature and combining scientific knowledge and empathetic, immersive approach to the natural world. In the words of Laura Boella (2023) - invited several times to our courses - the recent awareness of the fragility and interconnectedness of all living things has brought out the need for a new relationship with nature, for an empathy with non-humans extended to everything that was once considered inanimate nature (mountains, seas, atmosphere, deserts)". This way of designing, supported by interdisciplinary teachings and workshops and by constant dialogue with communities and human and non-human stakeholders, is in line with the most recent orientations of international schools and scientific associations (IFLA, ECLAS), which invite landscape designers to take charge of global problems, to proactively explore the complexity of ecological and social interrelationships, "descending from an artificially constructed observatory above nature to immerse oneself in it, placing oneself no longer above or at the centre, but rather inside and with" (G.Clement, 2014). Selected projects address ecological and social fragilities in an integrated and interconnected way, demonstrating the ability to deal with very different contexts, design maturity, and conceptual and graphic communication skills





University / School
Academic year
Title of the project

Authors

Rome (RM)

Sapienza, University of Rome

2022/2023

The new gardens of Santa Maria della Pietà\_biodiversity and car

Edoardo Nevi



Title of the project	The new gardens of Santa Maria della Pietà_biodiversity and care
Authors	Edoardo Nevi
Title of the course	Landscape Design
Academic year	2022\2023
Teaching Staff	Prof. Arch. Lucina Caravaggi
	on / Program of belonging Landscape Architecture Master's Degree
	DiAP Department of Architecture and Project
University / School	Sapienza University of Rome

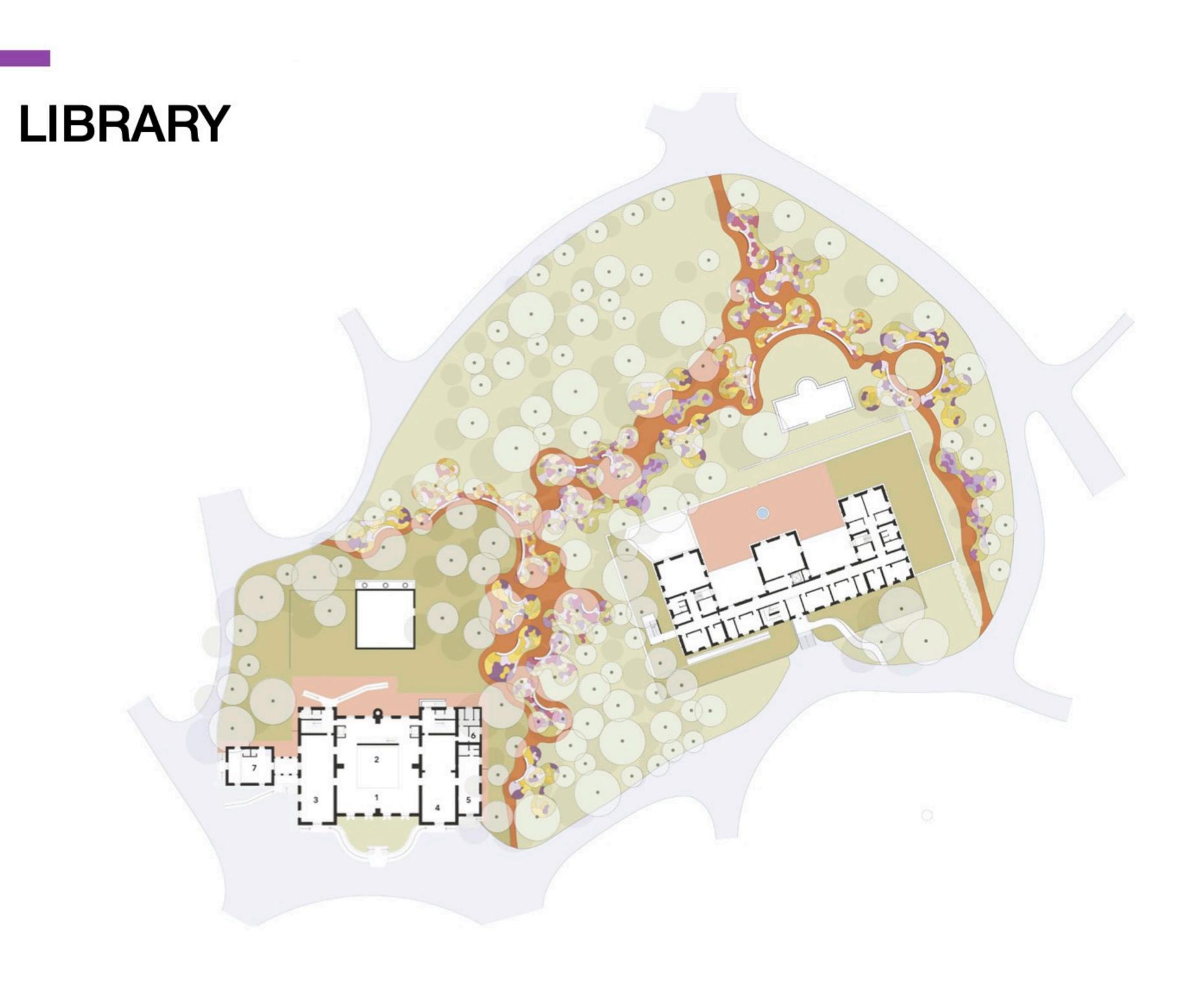


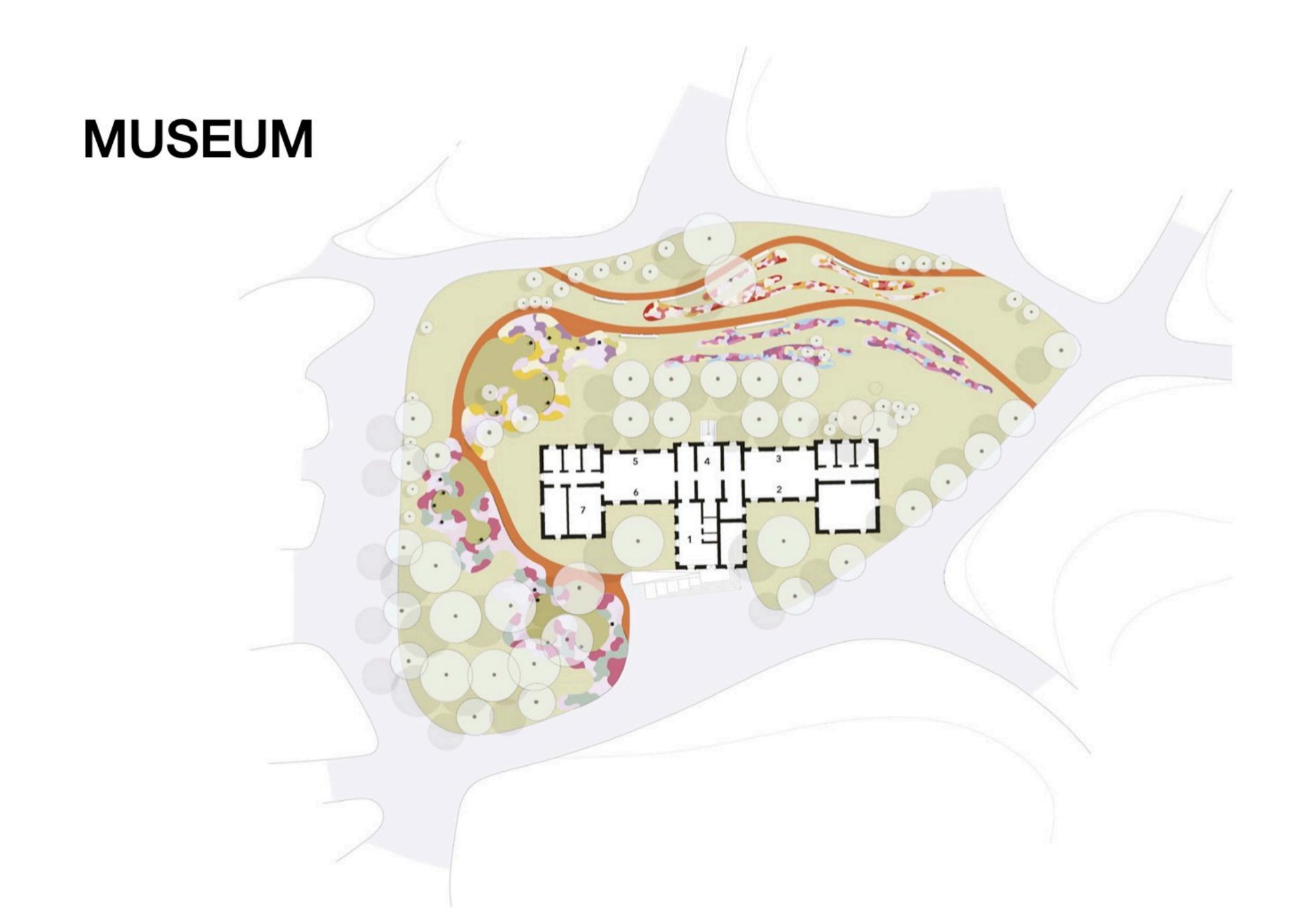
# Written statement, short description of the project in English, no more than 250 words

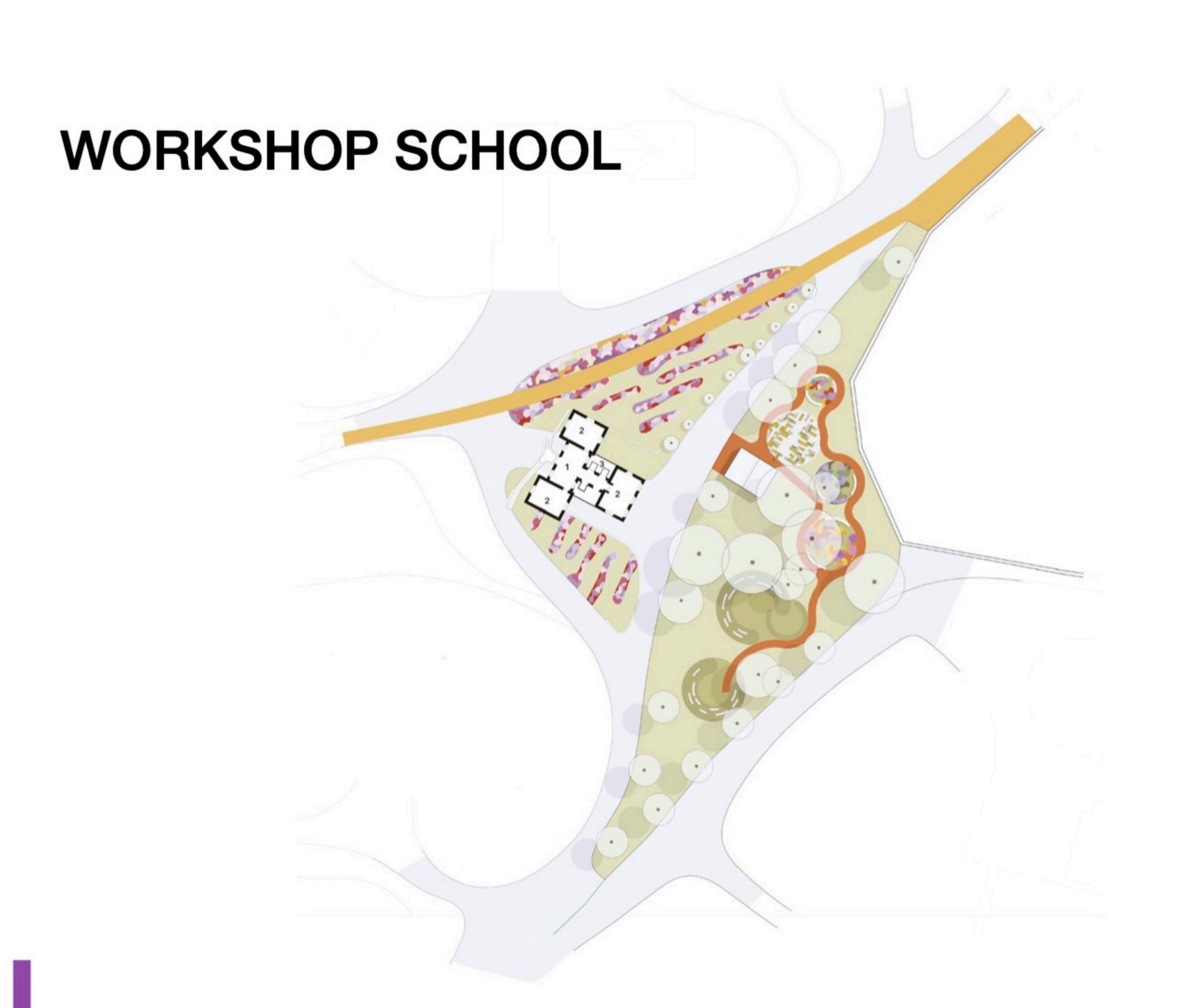
The Project for the Park of the former Santa Maria della Pietà mental asylum in Rome, built in the early 1900s and closed in the 2000s, is consistent with the objectives of the Degree Course, which see landscape architecture as the ideal tool for addressing the interconnection between environmental and social issues. The project to reactivate a place with a painful past, such as a mental asylum, attempts to go beyond the generic assertion that "green" is good for health, exploring specific declinations of themes that are particularly relevant today: the culture of biodiversity as a relationship of empathy, interdependence, familiarity with other species and as a means to overcome forms of isolation, marginalization, and exclusion; the activation of urban spaces as natural gyms for sports and daily movement in a holistic perspective, centered on the relationship between health, quality of life, inclusion, and the environment, as is emerging in the social, environmental, and medical sciences. The Masterplan provides to realize places where all people, sick and not, can meet and benefit from social exchange and relationship with nature, starting from the extraordinary heritage of biodiversity that has increased in the park over time, also intervening for adaptation to climate change. Santa Maria thus becomes a laboratory of "intelligences in dialogue": between the mycorrhizal networks of the soil and the relational networks of people, between the indelible traces of history and the possibilities of a shared future. landscape is no longer an object to be designed, but, a context of mutual learning between nature, technology and culture.

# Barcelona International Landscape Biennial

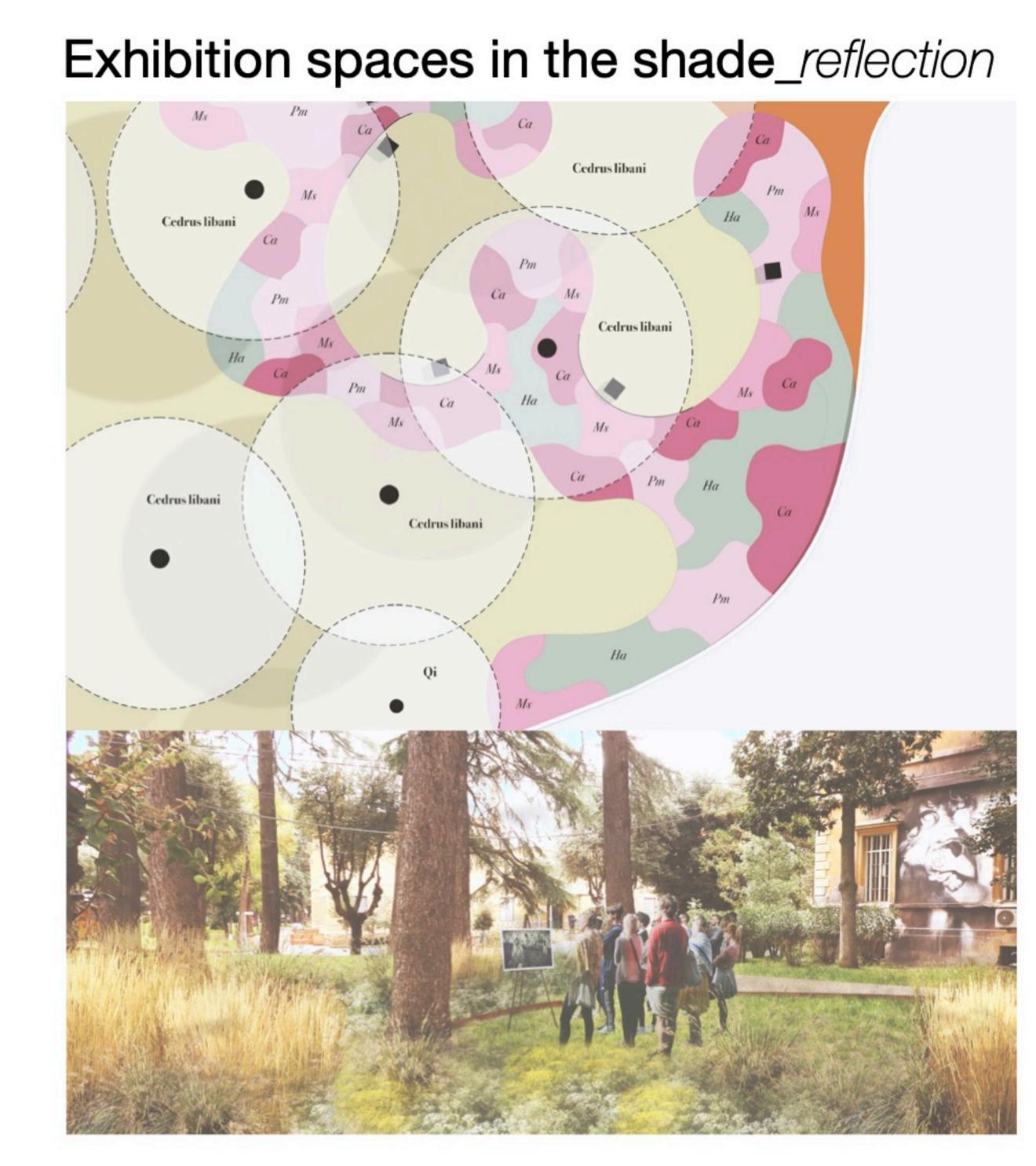
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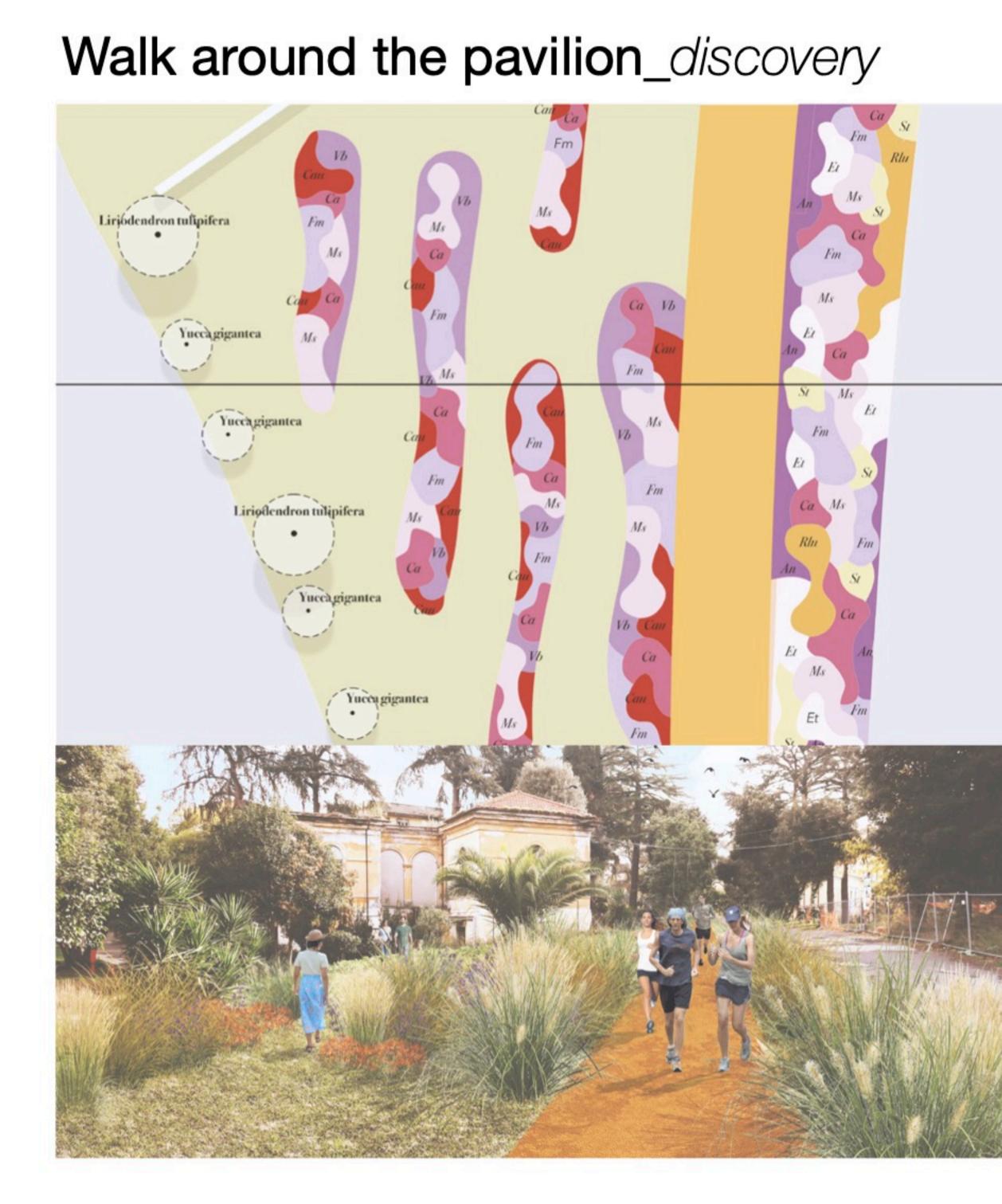




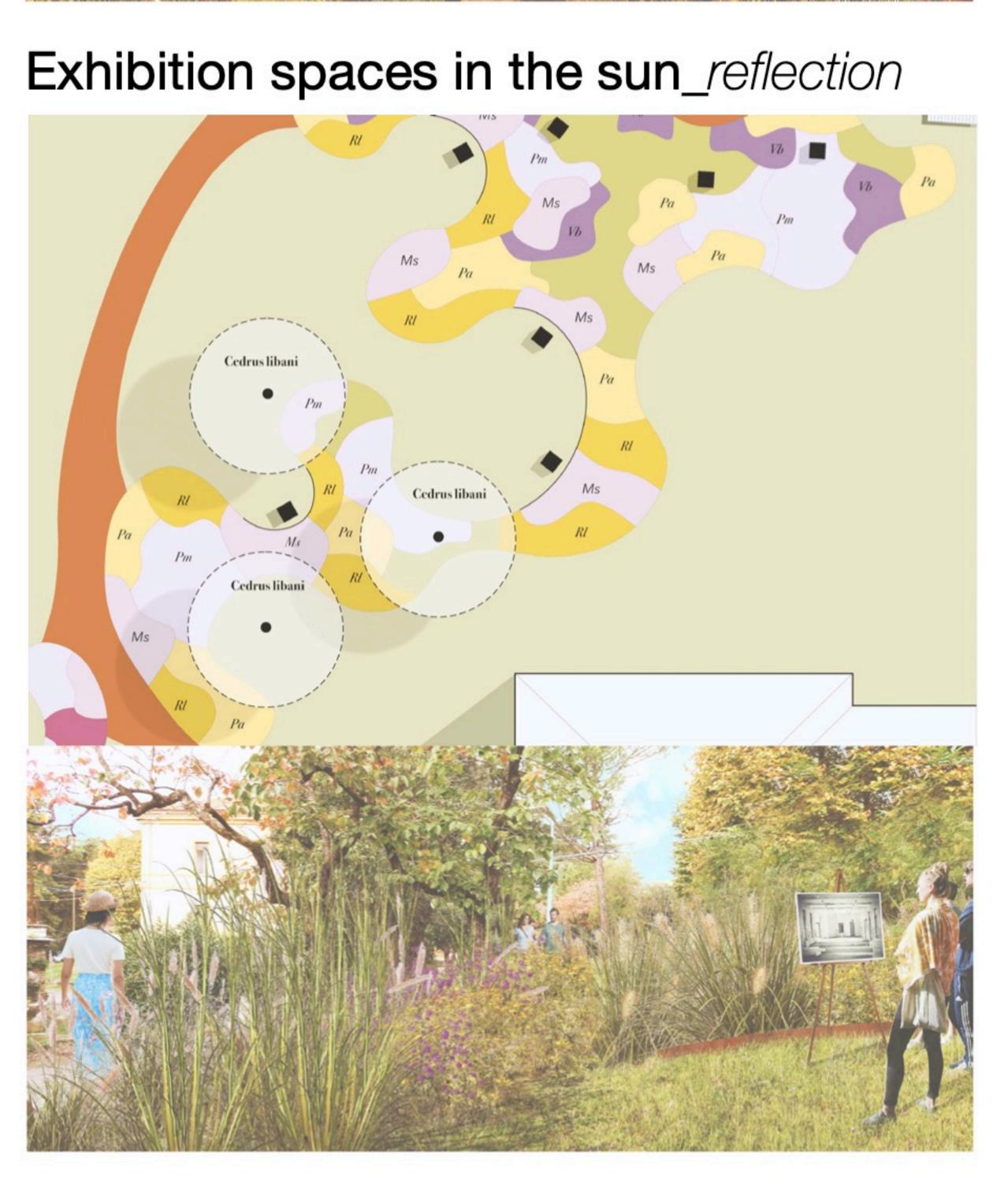




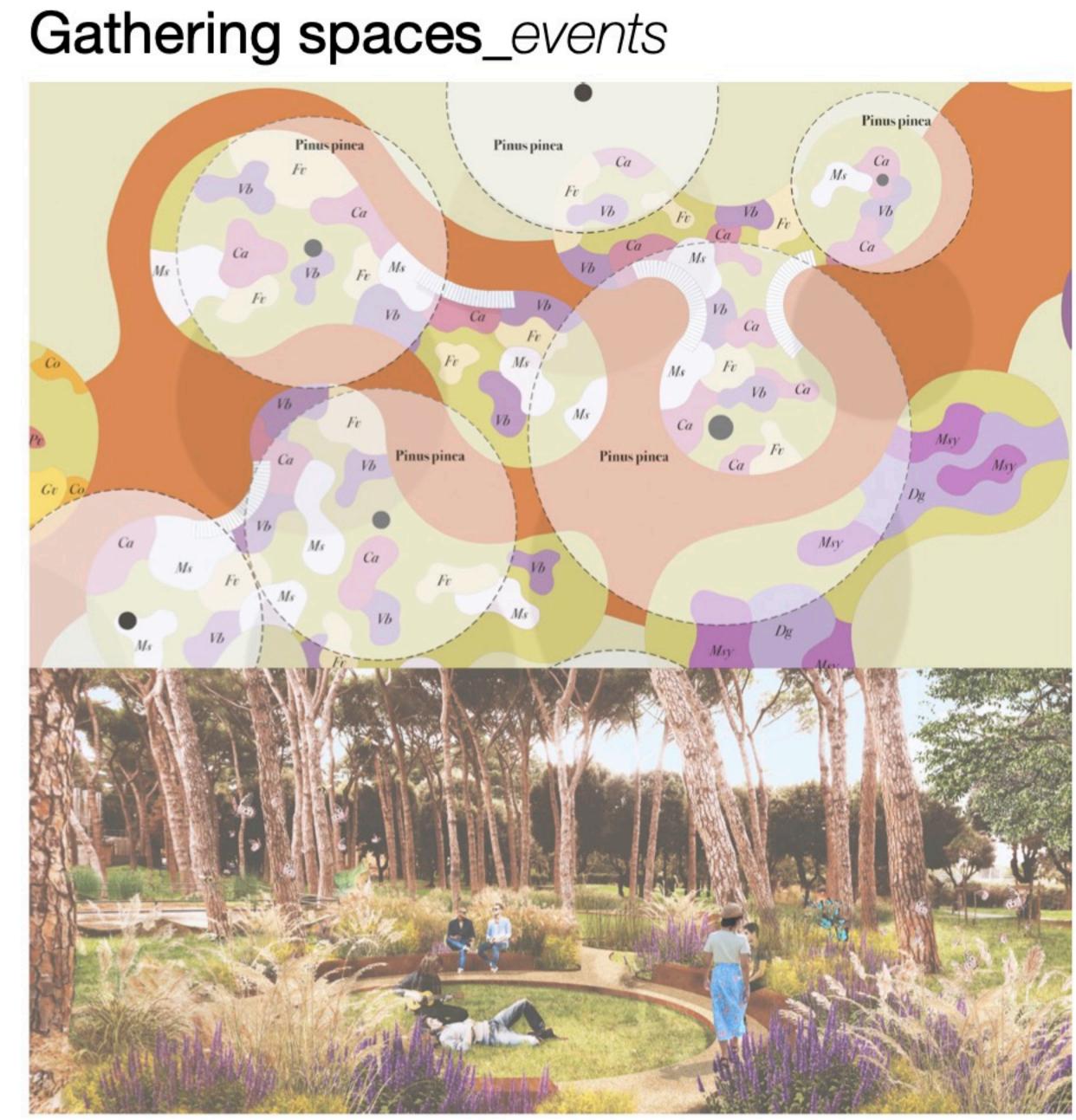


















Italy, Rome

University / School Sapienza Università di Roma

2023/2024

"Restoration of the historical landscape of Villa Doria in Albano Laziale (Rome)"

Giulia Cordella



Title of the project
Authors
Giulia Cordella

Title of the course
Academic year
Teaching Staff
Department / Section / Program of belonging
University / School

Restoration of the historical landscape of Villa Doria in Albano Laziale (Rome)

Restoration of the historical landscape of Villa Doria in Albano Laziale (Rome)

Restoration and Landscape

Academic year
2023 / 2024

Landscape Architecture Master's Degree

DiAP, Department of Architecture and Project

University / School

Sapienza ,University of Rome

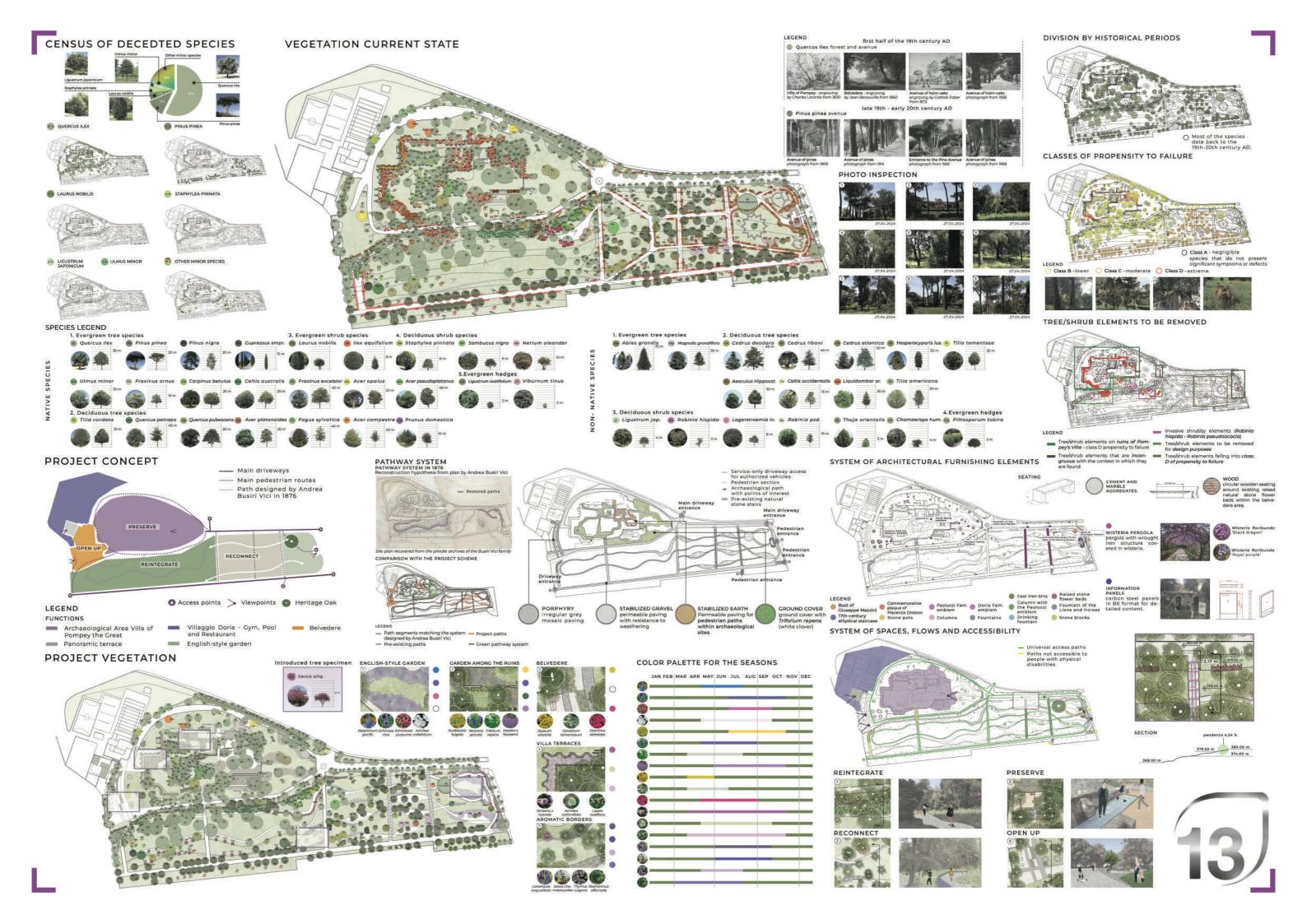


The Villa Doria restoration project in Albano Laziale reflects the Landscape Architecture program's core goals: integrating historical knowledge with ecological and design strategies. Built in the 18th century over a Roman villa linked to Pompey, the landscape balances historical heritage and ecological processes. Through detailed historical research and a survey of existing flora and conservation conditions, the park is viewed as a living, evolving system. The project aims to preserve traces of Andrea Busiri Vici's 19th-century garden design and enhance the park's identity while respecting both historical and ecological layers. Key actions include creating a new visitor path through the archaeological area, improving

accessibility and safety, and reconnecting historic garden elements by replacing a recent, botanically inconsistent addition with a new design aligned with the original vision. Special attention was given to the vegetation, with each plant studied for structural stability, historical importance, and ecological role. This informed a reflection on natural overgrowth and degradation, understood not just as decay but as a natural transformation process to be carefully guided. Conservation here is dynamic, promoting dialogue between human care and ecological resilience to sustain the site's vitality.

# **Barcelona International Landscape Biennial**

Contact via email: biennaladm@coac.net





Italy, Rome
Sapienza University of Rome
2023 / 2024

"New life cycles of infrastructures in the Malagrotta area: from landfill to biodiversity hotspot"

Alice Giuli



Title of the project
Authors
Alice Giuli

Title of the course
Academic year
Teaching Staff
Department / Section / Program of belonging
University / School

New life cycles of infrastructures in the Malagrotta area: from landfill to biodiversity hotspot

Alice Giuli

Landscape Design

2023 / 2024

Gianni Celestini, Marco Marchetti

Landscape Architecture Master's Degree

DiAP, Department of Architecture and Project

University / School

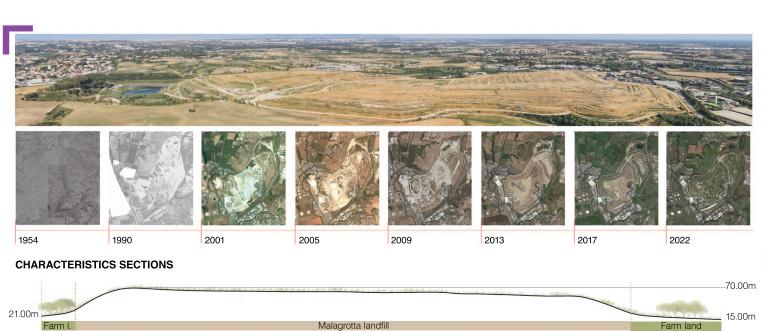
Sapienza, University of Rome

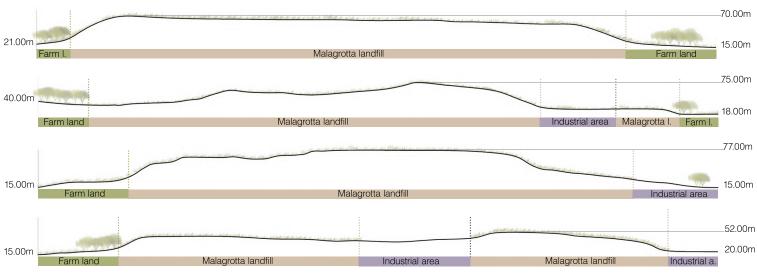


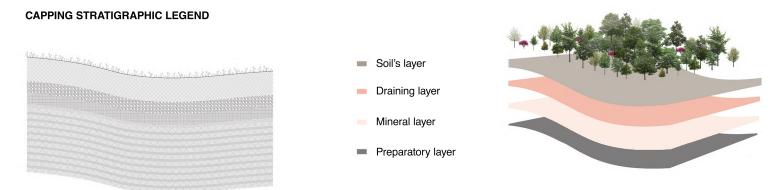
In line with the objectives of the degree course, the project for the former Malagrotta landfill proposes an environmental restoration strategy that focuses on natural intelligence, the capacity for environmental recovery triggered through interventions on the soil and water, but above all through spontaneous vegetation colonization processes, which will develop over different time horizons. In this way, the project combines innovative technological solutions (for pollutant containment and soil remediation) with ecological wisdom, selecting vegetation coenoses consistent with the landscape context and which have proven particularly effective in the ecological regeneration of degraded spaces. This strategy, while maintaining the aesthetic, perceptive, and cultural dimensions, can reconnect local communities with a place once considered dangerous and unhealthy. The ex Malagrotta landfill is located on the western side of Rome, in the Valle Galeria. It is considered the largest landfill in Europe, covering an area of 240ha and reaching a height of 50-60m. From 1987 until October 1st, 2013, the former received 45 mln/t of solid waste. This caused to high levels of air and groundwater pollution, exceeding contamination thresholds. The project for the area is divided into phases, gradually aiming to reverse the role of the landfill, from a harmful site to a biodiversity hotspot. Initially, the area is secured through soil capping interventions. Cycle-pedestrian paths are planned alongside the landfill to connect it with nearby residential areas. At the base of former trees and shrubs species will be planted for phytoremediation, and reforestation will take place on the top.

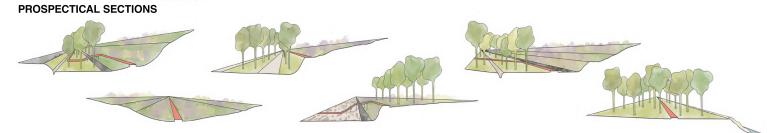
# **Barcelona International Landscape Biennial**

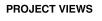
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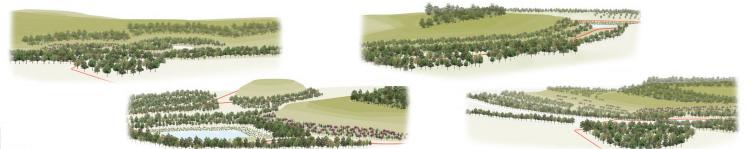


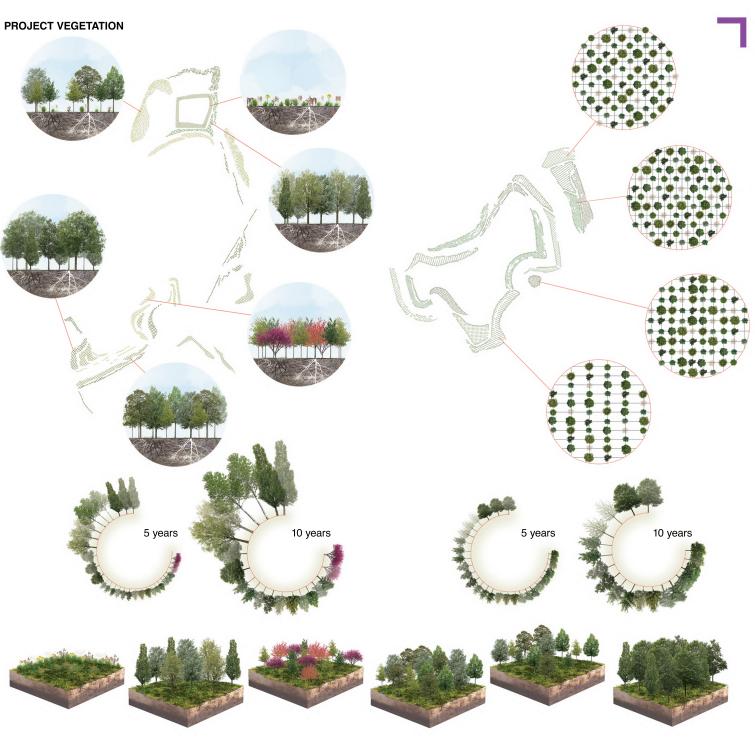






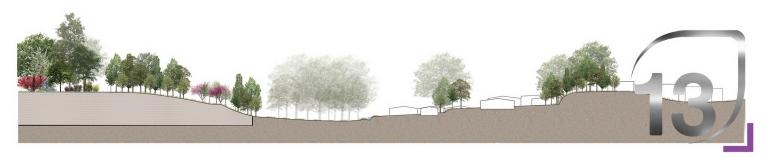






**CHARACTERISTICS SECTIONS OF THE PROJECT** 







Italy, Rome "La Sapienza", University of Rome

2023 / 2024

FIRE Project – A Landscape-Based Strategy for Wildfire Risk Mitigation in Ischia

Federica Salvi





The territory of Ischia, one of the largest islands in the Gulf of Naples, provided an opportunity to test the potential of the Landscape Project with respect to fire risk management, recently made even more evident by the effects of ongoing climate change, due to the coexistence and interconnection of seismic, hydrogeological, and related risks. Consistent with the objectives of the Course, the project measures outlined are based on landscape elements, local traditions inherited from the past, adaptation strategies, and forms of natural intelligence. The "parracine," dry-stone walls, elements of the historic agricultural landscape, which, in 2018, was recognized as an intangible cultural heritage by UNESCO, and the existing vegetation constitute the landscape devices for experimenting with a multidisciplinary approach to risk reduction, involving disciplines such as applied geology, environmental engineering, and landscape restoration. These fields of expertise were aimed at identifying fire forecast scenarios, combined—in a multi-hazard perspective—with scenarios of shallow landslides in areas affected by fires. Understanding fire dynamics, how flames spread, and resistant and resilient elements allowed us to adopt strategies based on the intelligence of nature. The mechanisms that fuel the flames themselves become tools for risk reduction, while simultaneously enhancing the island's landscape and biodiversity, supporting consolidated agricultural and tourism economies and encouraging the spread of Civic Ecology practices and Citizen Science projects, where researchers and citizens work together on environmental monitoring and regeneration projects, because the natural world is no longer separable from the destiny of humans.

# **Barcelona International Landscape Biennial**

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Italy Rome

Sapienza, University of Rome, Faculty of architecture

2024-2025

Connecting through landscape: A strategy for Municipio V

Maria Romina Castro Mendoza



Title of the project
Authors
Maria Romina Castro Mendoza
Title of the course
Academic year
Teaching Staff
Department / Section / Program of belonging
DIAP, Department of Architecture and Project
University / School

Connecting through landscape: A strategy for Municipio V
Maria Romina Castro Mendoza
Planning and Landscape Infrastructure
2024-2025
Benedetta di Donato, Daniele Frediani
Landscape Architecture Master's Degree
DIAP, Department of Architecture and Project

University / School
Sapienza, University of Rome



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

This project, set in a large area of Rome's eastern sector, seeks to radically rethink the approach traditionally taken by municipal planning. Rather than adhering to outdated development schemes—originally intended for office buildings and major road infrastructure that were never realized—it proposes a new vision based on a network of forested areas and ecological corridors. Aligned with the goals of the Degree Program, the project explores the role of landscape design as a catalyst for urban regeneration, positioning forestation as a structural and functional framework for a renewed urban landscape. The envisioned "urban forest"—comprising woodland strips, tree-lined avenues, large parks, community gardens, and historic villas—emerges as a strategic tool to activate extensive areas that have remained unused for over 40 years (so-called SLOP: Space Left Over After Planning).

A central focus of the proposal is the reinterpretation of the 1931 City General Plan and the Sistema Direzionale Orientale (SDO), a large-scale urban strategy developed in the 1960s–70s by the Studio Asse group. The SDO aimed to decentralize administrative functions by creating a new hub in the eastern periphery, structured around a service-integrated axis and connected through a sequence of megastructural elements. Rather than reproducing the SDO's linear formalism, the project adopts its systemic logic—conceiving architecture, infrastructure, and landscape as interconnected parts of a unified urban structure. In doing so, it generates new spatial configurations that reconnect fragmented areas, organize flows, and reinforce ecological and social functions within the contemporary city.

Ultimately, the proposal outlines a new eu-topia—a forward-looking vision in which architecture, infrastructure, and landscape form a cohesive whole, and nature, with its intrinsic intelligence, plays a defining and generative role.

# **Barcelona International Landscape Biennial**

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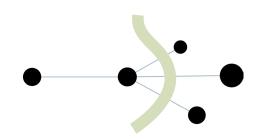
The project site consists of a vast free flat area, located in the metropolitan area of Rome, that was in the past the subject of strong and formal planning, but today totally devoid of qualities (neither historical nor ecological) that are capable of guiding a new design process. The concept revisits the City General Plans of the twentieth century (1931, 1965) and questions the architectural signs that these plans have projected on the area, although they have not been achieved. From this point of view, the proposed urban forest defines its image starting from a series of figures that belong to the memory of the places even though they have never passed from paper to reality. Some significant urban primary elements (the trident, the axis, the crescent, the courtyard, etc.), proposed for the same area but at different times, are superimposed and critically reinterpreted in a new synchronic layout. What emerges is a new urban image that holds together the memory of places and the needs of contemporary urban life, assuming, through the landscape project, a new integrated urban vision.

# PRG 1930 Adoptarion - 1931 Aproval



radially along the consular roads. The city was set to expand significantly to the East, with a continuous series of buildings and intensive structures stretching to Via Tuscolana. The Western limit was defined by a major eastern ring road, which seems to have anticipated the current Viale Palmiro Togliatti.

# **THE TRIDENT**



PRG 1962 Adoptation - 1965 Aproval



Map extracted from http://www.urbanistica.comune.roma.it

New neighborhoods were then planned, to be developed — It intended to improved living conditions in residential complexes, developing a new underground metro line, and promoting growth east of Tiburtina and Prenestina. It also expanded green spaces and added sports facilities to enhance community life and well-being.

#### THE ORIGINAL DIRECTIONAL SYSTEM



#### PRG 2005 Adoptarion - 2008 Aproval



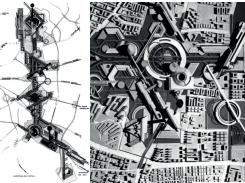
Map extracted from http://w

It aimed to promote eco-friendly construction and efficient resource use, encourage biking and walking to reduce car dependence, and ensure urban growth respected historical sites. Their goal was also to create accessible areas that fostered social cohesion and improved quality of life.

#### LINKING FRAGMENTS

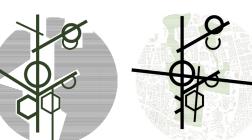


## Studio Asse - 1969 / Anello Verde - 2020

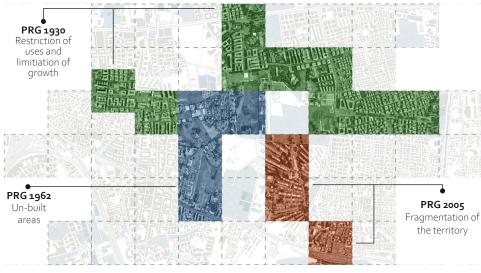




# FIGURES OF CONTINUITY



#### Current status with effects from PRGs



# Response methodology

#### PRG 1930 Re-read possible connectors

The PRG laid the foundations for rigidity. This rigidity became the problem. To move forward, we must read these voids not as absences, but as openings —where a more adaptable, inclusive, and fluid urbanism can emerge.

# PRG 1962

Activate from the Un-Build

This PRG sought efficiency through separation. In doing so, it sowed disconnection. Today, those residual gaps can become seams—spaces of encounter, not

#### PRG 2005 Think of Open Urban Ecosystems

The current PRG planned the city in detail, but left it empty in reality. In solving for control, it dismissed spontaneity. What remains is not failure, but potential—a landscape waiting to be reimagined.

"Problems are solve in order to create new ones. Acknowledge that and **review our solutions**."

Dilip da Cunha, Ocean of wetness. Università Roma Tre,

# **DESIGN STRATEGY - Gestalt Principles**

BIC SCALE

MEDIUM SCALE











