

5 PROJECTS from ARISTOTLE UNIVERSITY OF THESSALONIKI

School of Architecture
Faculty of Engineering
AUTH

MLA
Joint Postgraduate Program
In Landscape Architecture
School of Architecture +
School of Agriculture



Cover image by students of 07EA10 graduate landscape design studio, School of Architecture AUTH

A selection varying from graduate landscape design studio work to postgraduate landscape design projects. Five projects offering distinct yet interconnected explorations of landscape, ecology, and urbanism, each proposing thoughtful and innovative interventions.

FIVE PROJECTS:

Tracing Nature: Tree Diagrams + Urban Fabric

delves into community, nature, and topography dynamics. It reimagines landscape as democratic space responsive to diverse social and ecological needs.

Streamlines

identifies Thessaloniki's Ortansia Stream as both a natural boundary and a connective tissue between fragmented neighborhoods. The stream appears as a transitional zone, the project merges ecological and urban narratives, offering a technically resolved and thematically relevant model for re-integrating nature into dense residential fabrics.

BringBackTheRiver

addresses the buried Ilisos River in Athens, advancing a bold vision of environmental restoration and climate adaptation. A critical re-reading of lost urban ecologies, innovatively positions daylighting as both cultural and environmental act.

Ecofolia

proposes a visionary, community-driven model for urban commons through ecological pedagogy. Its emphasis on co-creation and experimental stewardship introduces new urban ecology language.



Country/City Greece/Thessaloniki

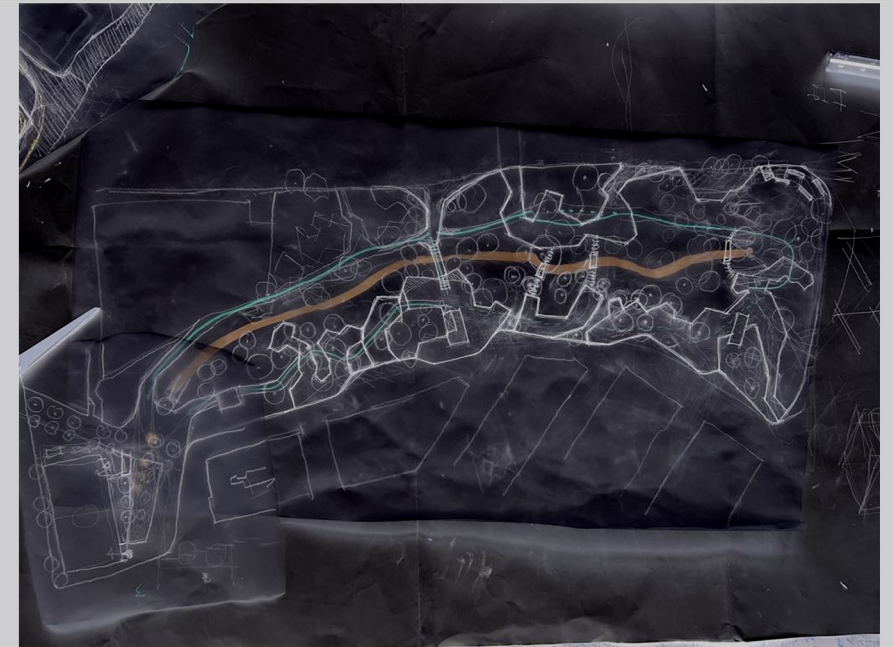
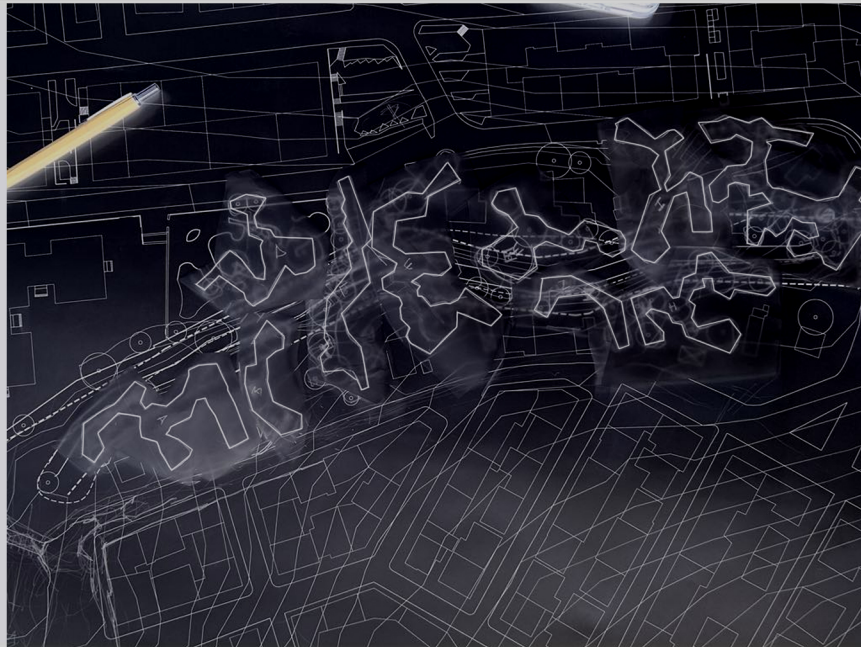
University / School Aristotle University of Thessaloniki / School of Architecture

Academic year 2023-2024

Title of the project Tracing nature - tree diagrams + Urban fabric

Authors Vagionas Ioannis, Papoutsopoulos Achilleas, Tzavelas Sotiris

Title of the project	Tracing nature - tree diagrams + Urban fabric
Authors	Vaglonas Ioannis, Papoutsopoulos Achilleas, Tzavelas Sotiris
Title of the course	Landscape design of urban open spaces
Academic year	2023-24
Teaching Staff	Athina Vitopoulou, Eleni Athanasiadou, Despoina Zavraka, Maria Tratsela
Department / Section / Program of belonging	Architectural and urban design / Undergraduate course
University / School	Aristotle University of Thessaloniki / School of Architecture



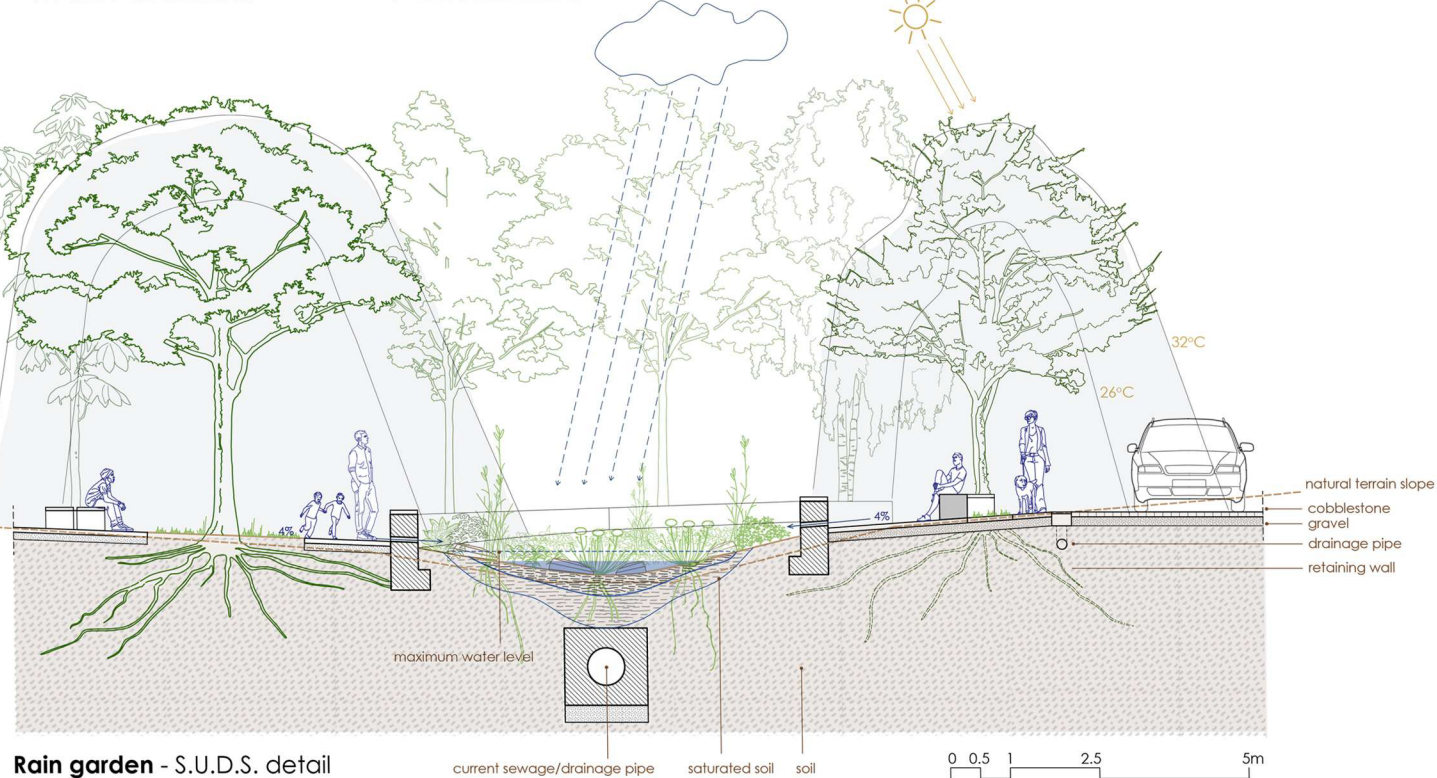
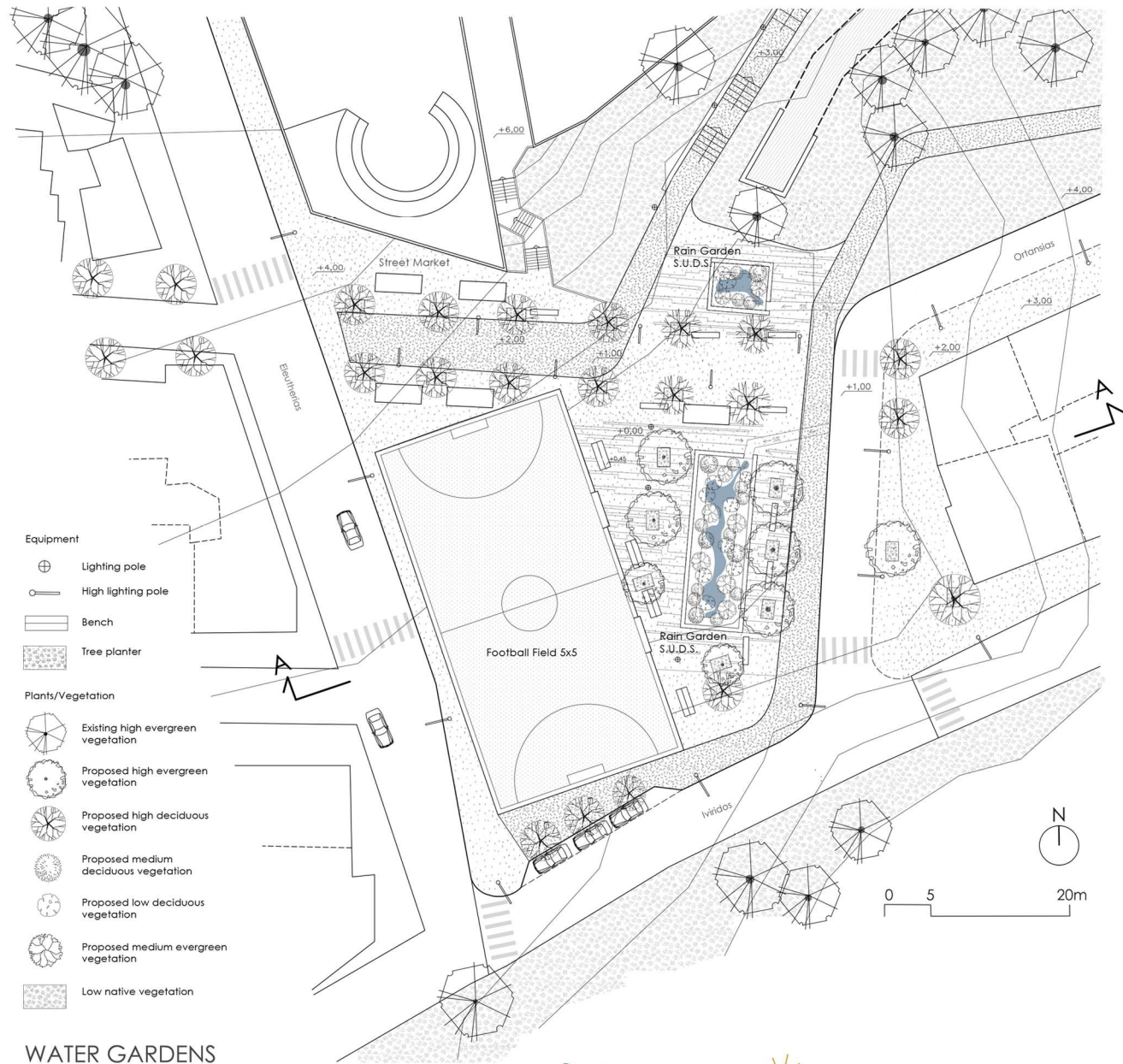
Written statement, short description of the project in English, no more than 250 words

The dynamics of the landscape and the need to highlight the area's natural wealth constitute key parameters of the architectural design. The activities of the local inhabitants, along with their interaction with the topography and natural features of the site, define the primary aspect of the intervention. The landscape is interpreted as a gathering space for people of all ages, each with different needs, bringing to the forefront the individual's connection with the environment. This relationship is shaped and influenced by the density of contour lines, the richness of vegetation, the saturation of the ground, and other natural elements, which together form pathways and resting points within the landscape. Subsequently, the architectural interpretation of the landscape will shape an architectural language rooted in it, in order to express this relationship. In other words, the positioning of the trees as an integral element of the site's background is translated into inflection points along the paths, which bend according to the terrain, accentuating its contours. Meanwhile, the tree canopies are interpreted as spatial surfaces hovering above the ground, forming resting areas. All these elements are ultimately articulated into a unified gesture that integrates harmoniously into the spatial context.

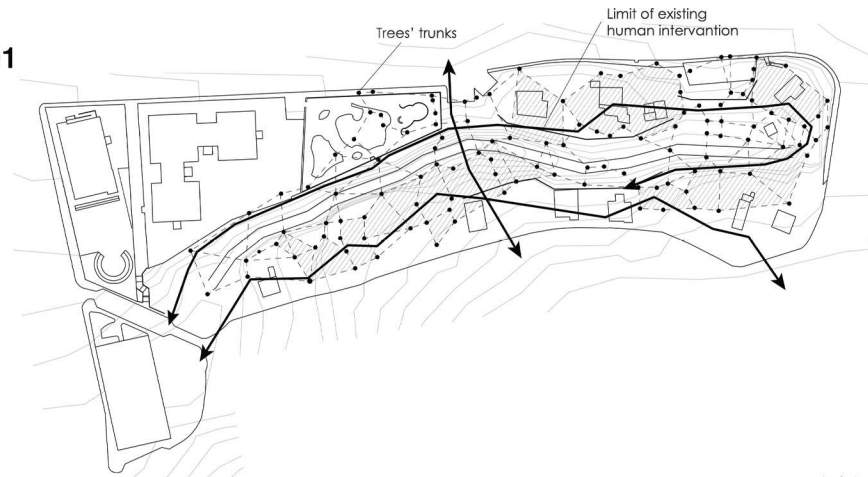
Barcelona International Landscape Biennial

Contact via email:
biennialadm@coac.net

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

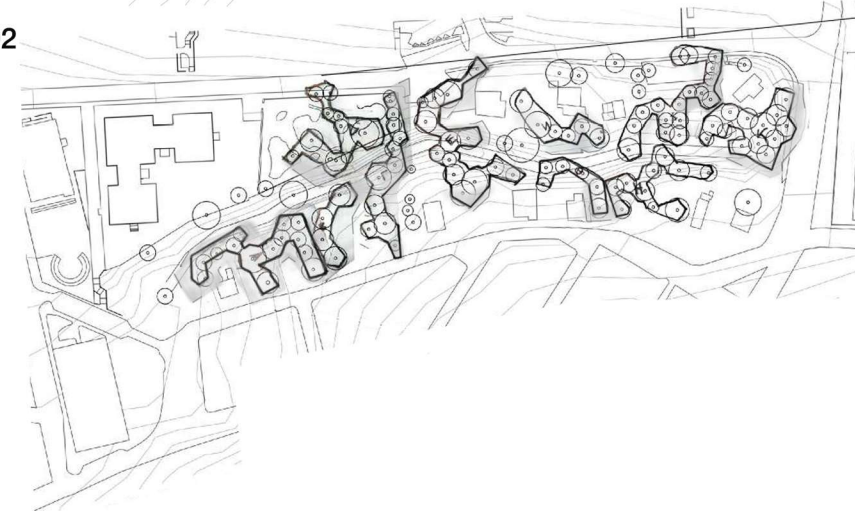


01



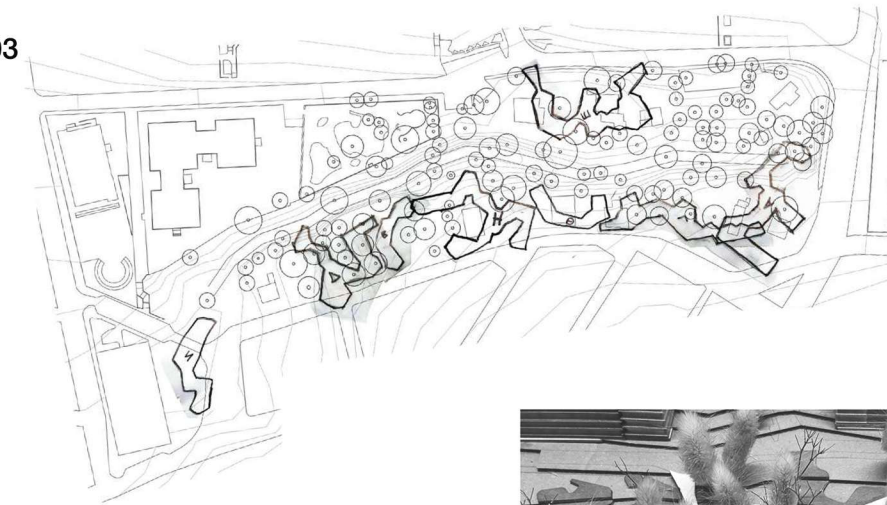
Architectural analysis of design parameters

02

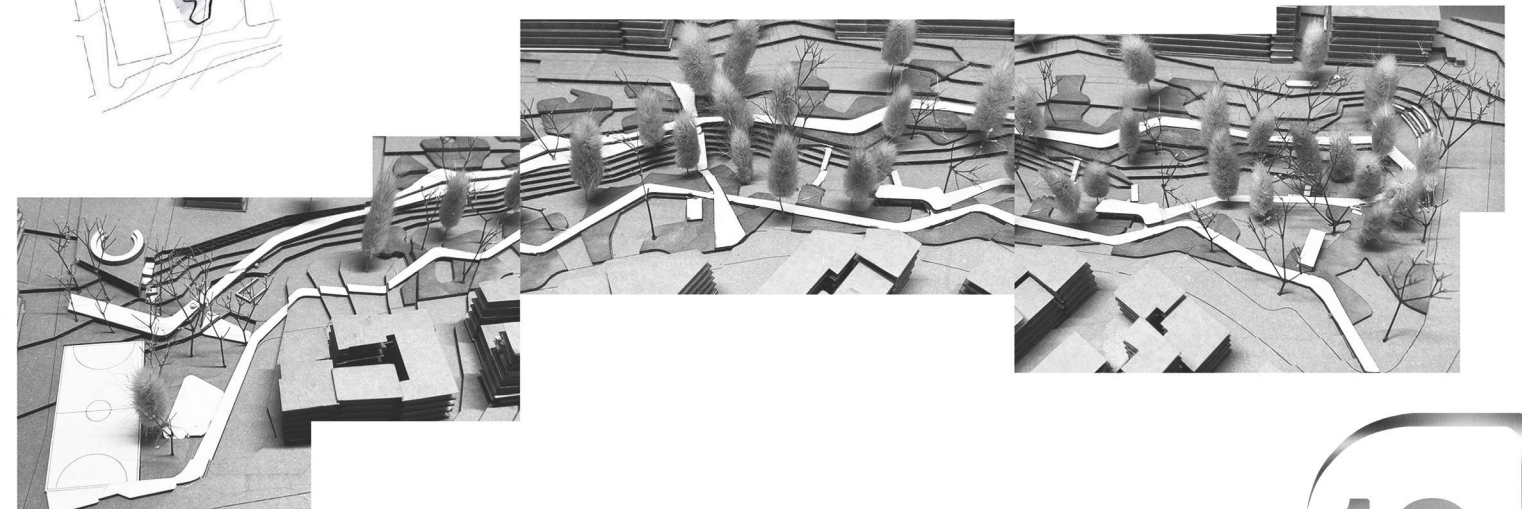


Silhouette production from trees' canopy

03

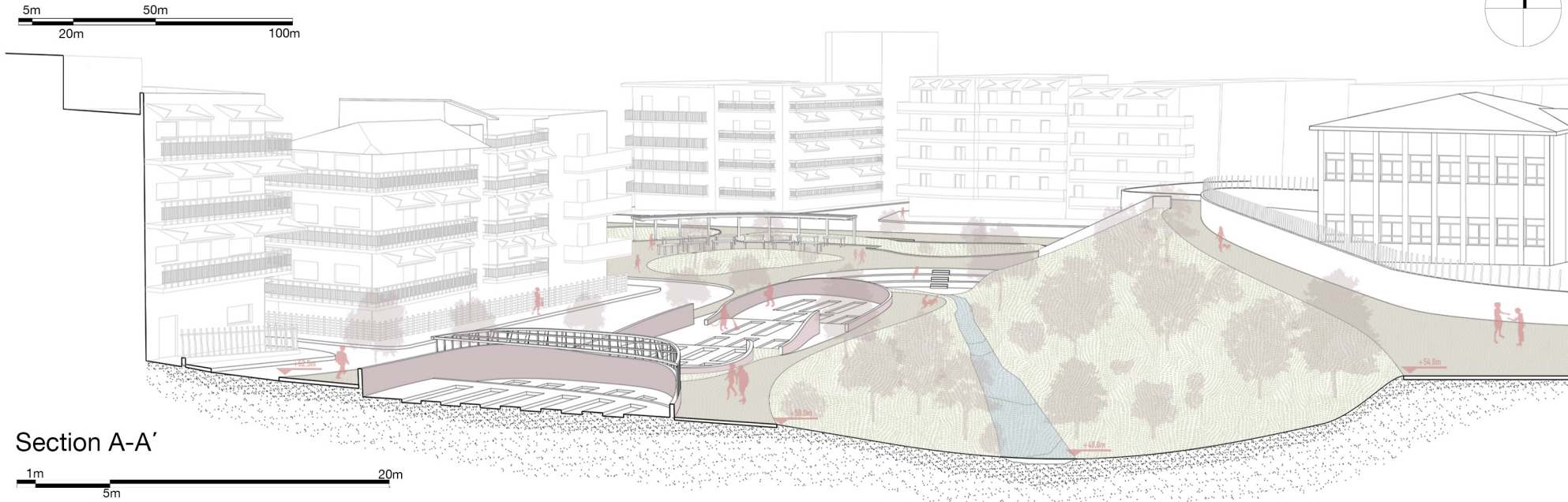


Final rearrangement on field

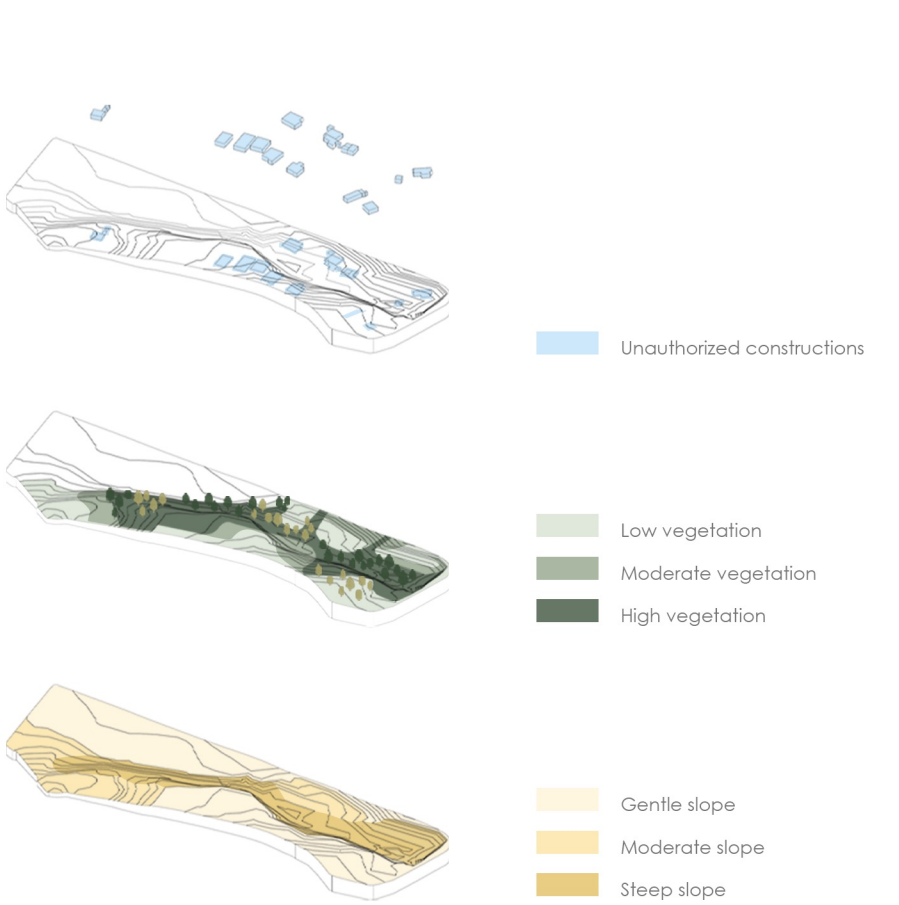




Masterplan 1:1000



Section A-A'



Info from site analysis

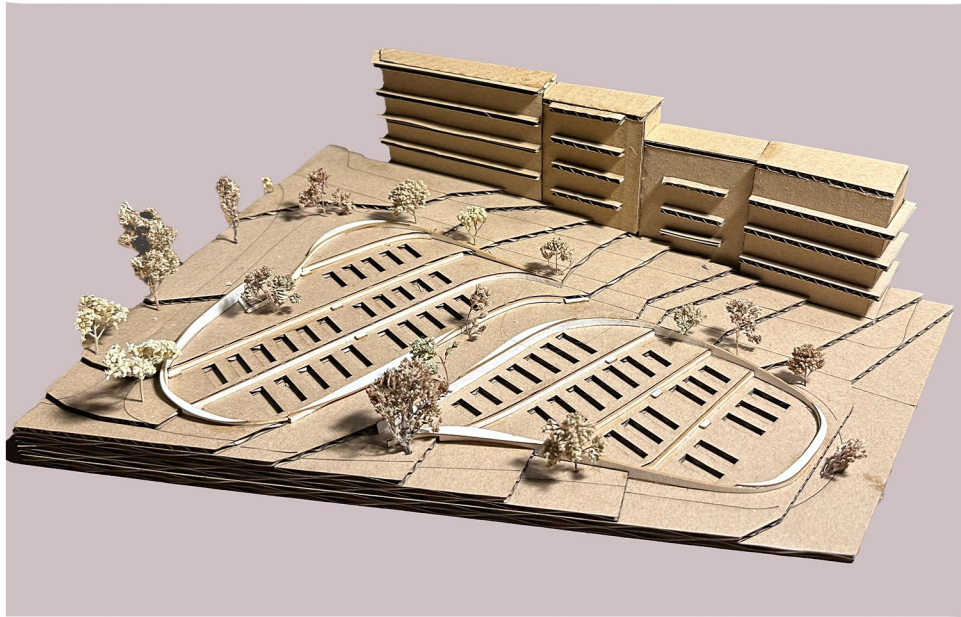


Strategic plan

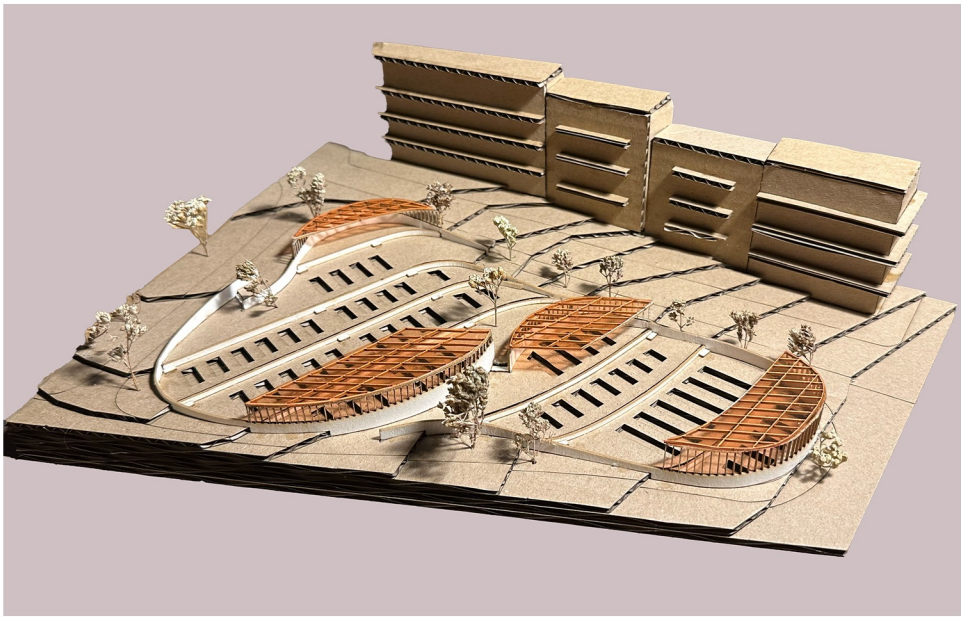
Country/City	Greece, Thessaloniki
University / School	Aristotle University of Thessaloniki (AUTH)
Academic year	2024-2025
Title of the project	StreamLines
Authors	Alexandros Dardas, Apostolos Katranas

TECHNICAL DOSSIER

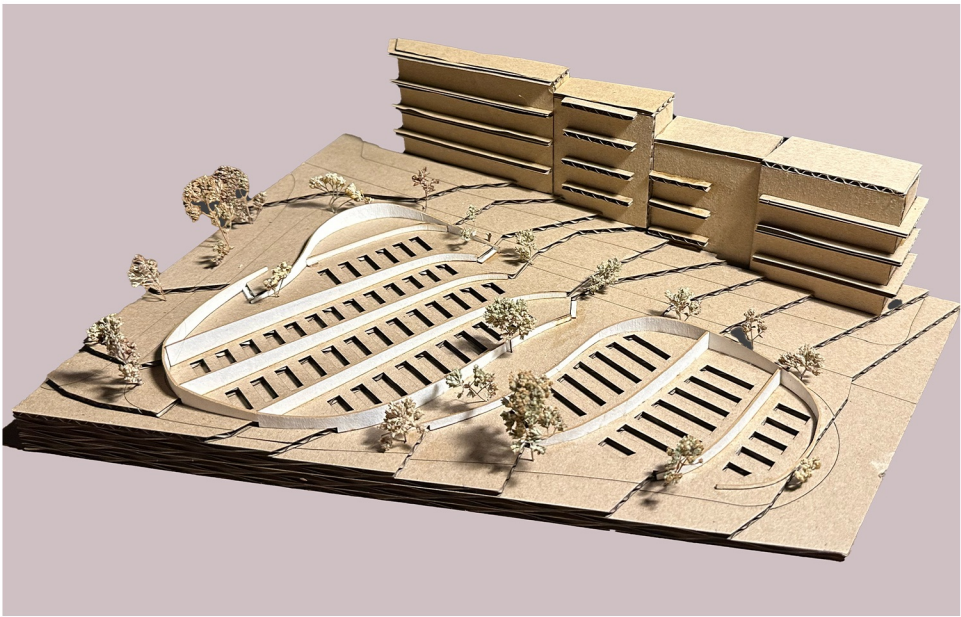
Title of the project	StreamLines
Authors	Alexandros Dardas, Apostolos Katranas
Title of the course	07EE10 Landscape Design of Urban Outdoor Spaces
Academic year	2024-2025
Teaching Staff	Despoina Zavraka, Panagiota Koulali
Department / Section / Program of belonging	School of Architecture, Faculty of Engineering, Integrated Master's Program in Architecture
University / School	Aristotle University of Thessaloniki (AUTH)



Models of urban agriculture
2nd Version

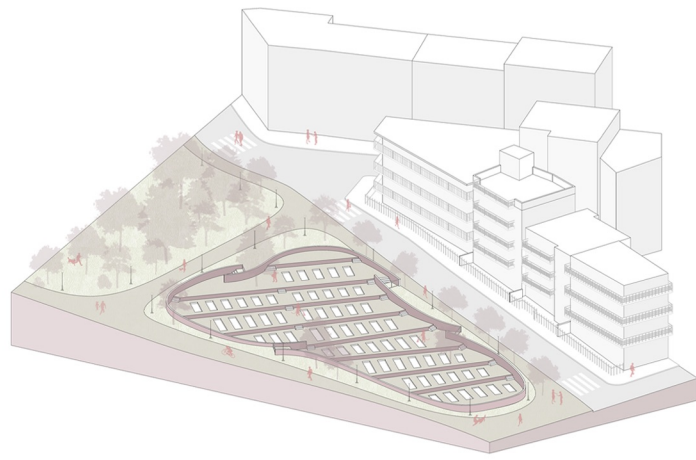


3rd Version



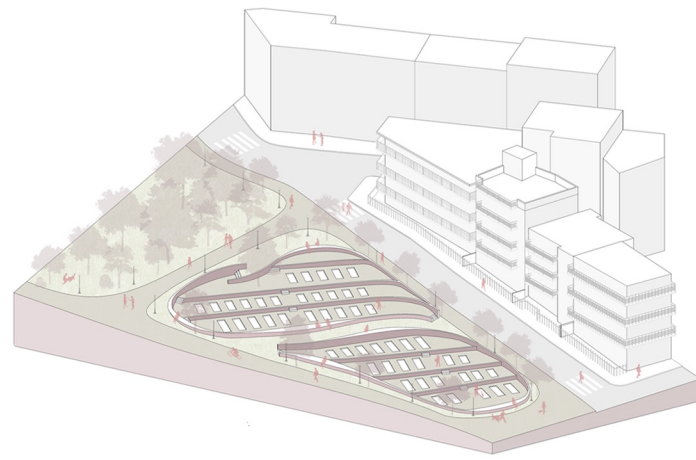
4thVersion

The area under study is primarily residential, featuring apartment buildings, essential shops, schools, green spaces, and sports facilities. A significant natural feature is the Ortansia Stream, part of Thessaloniki's stream network, located near the Polygnotou stream and the archaeological site of Toumba. Despite its ecological importance, the stream is in poor condition, with unmanaged vegetation and unauthorized structures, reflecting state neglect. The design concept centers on the stream as a natural boundary between the neighborhoods of Ano Toumba and Triandria, aiming to connect them. The western entrance of the stream was transformed from a sports field into a green square— a transitional space blending the urban fabric with the natural landscape. Inside the stream, a soft intervention follows the terrain, forming an exploratory path. Two wooden bridges enable crossing. Existing schools and playgrounds were preserved. On the east side, the large football field was replaced with a smaller one, also functioning as two basketball courts, along with two new tennis courts—enriching sports diversity without disrupting the natural environment. A farmers' market, seen as vital to the area's life, was preserved and integrated into the plaza. Alongside it, urban farming spaces were created to promote daily engagement with nature. Within the proposal, four different typologies of urban agriculture are suggested, tailored to the area's spatial and social characteristics.

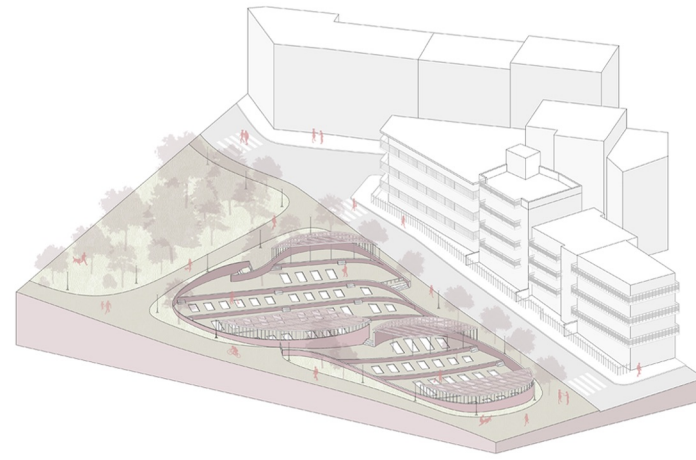


Axonometrics of urban agriculture

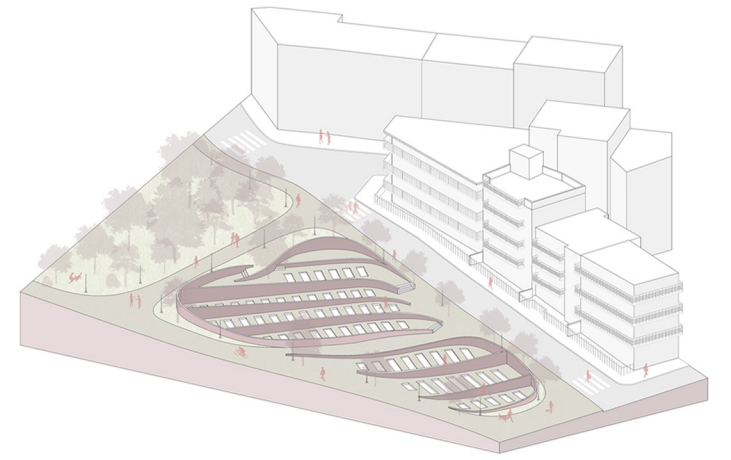
1st Version



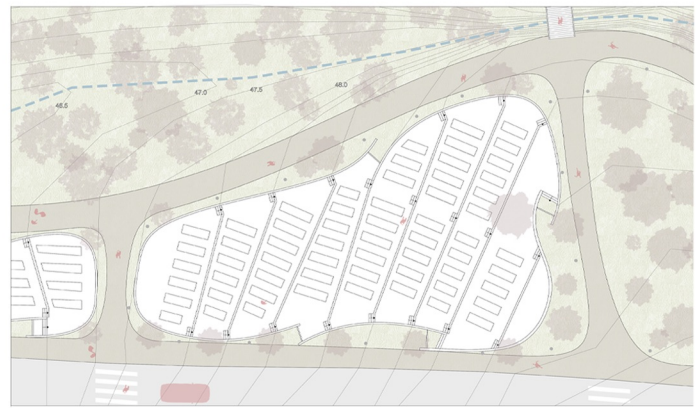
2nd Version



3rd Version

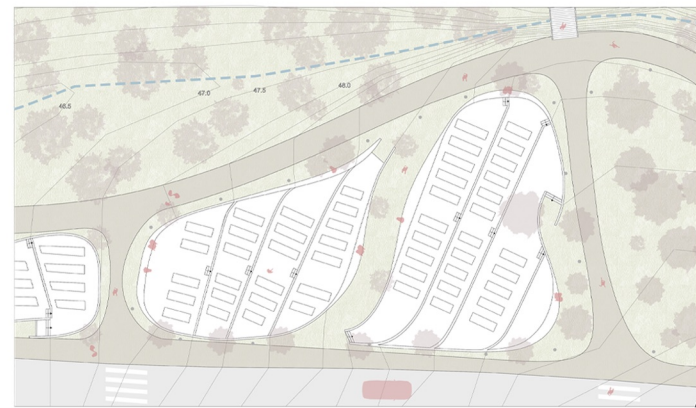


4th Version

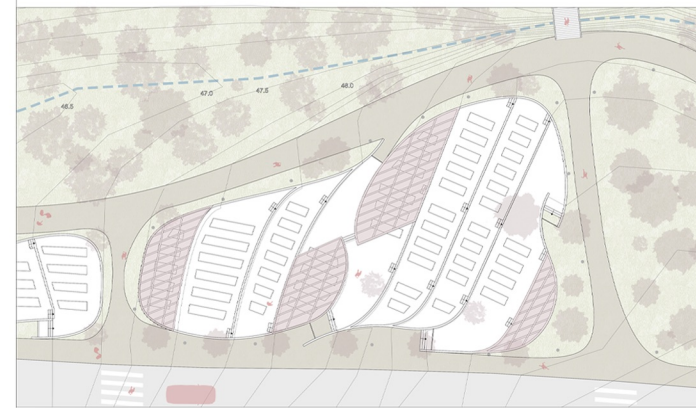


Plans of urban agriculture

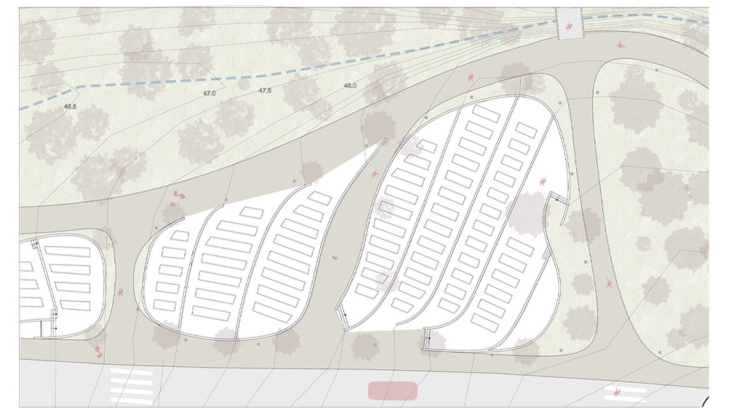
1st Version



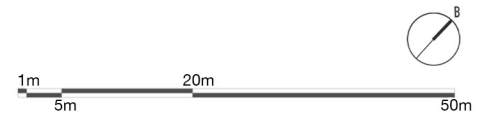
2nd Version



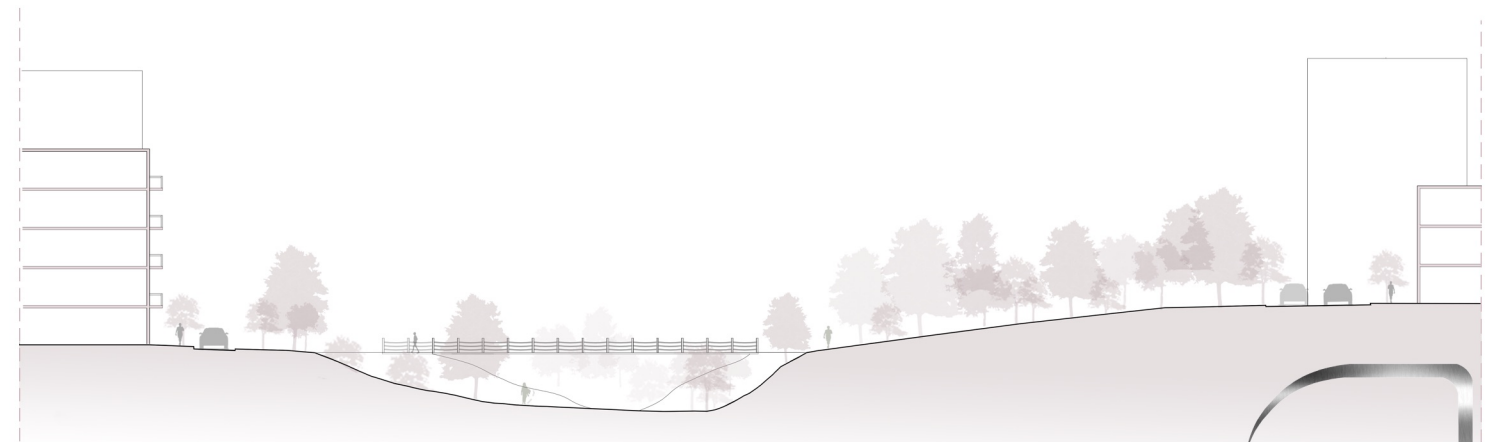
3rd Version



4th Version



Section B-B'



Section C-C'



Country/City Greece / Thessaloniki
University / School School of Architectural Engineering, Aristotle University of Thessaloniki
Academic year 2024-2025
Title of the project #BringbacktheRiver: Reintegration of a segment of the Ilisos river to the urban landscape of Athens
Authors Legaki Maria-Eirini, Papathanasiou Christina, Xenopoulou Kleio

TECHNICAL DOSSIER

Title of the project #BringbacktheRiver: Reintegration of a segment of the Ilisos river to the urban landscape of Athens

Authors Legaki Maria-Eirini, Papathanasiou Christina, Xenopoulou Kleio

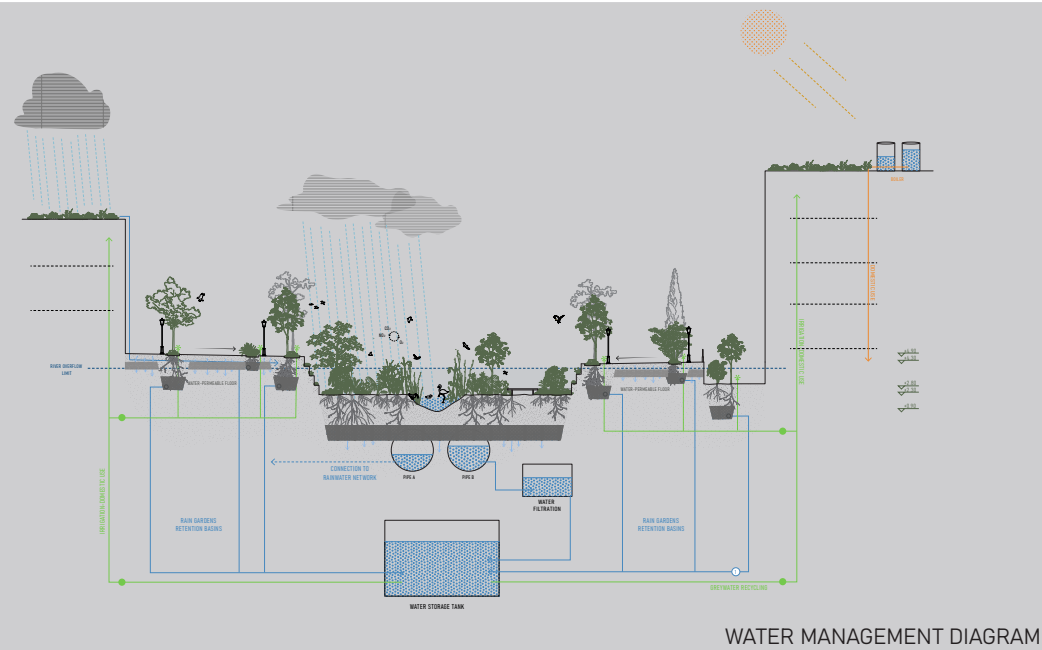
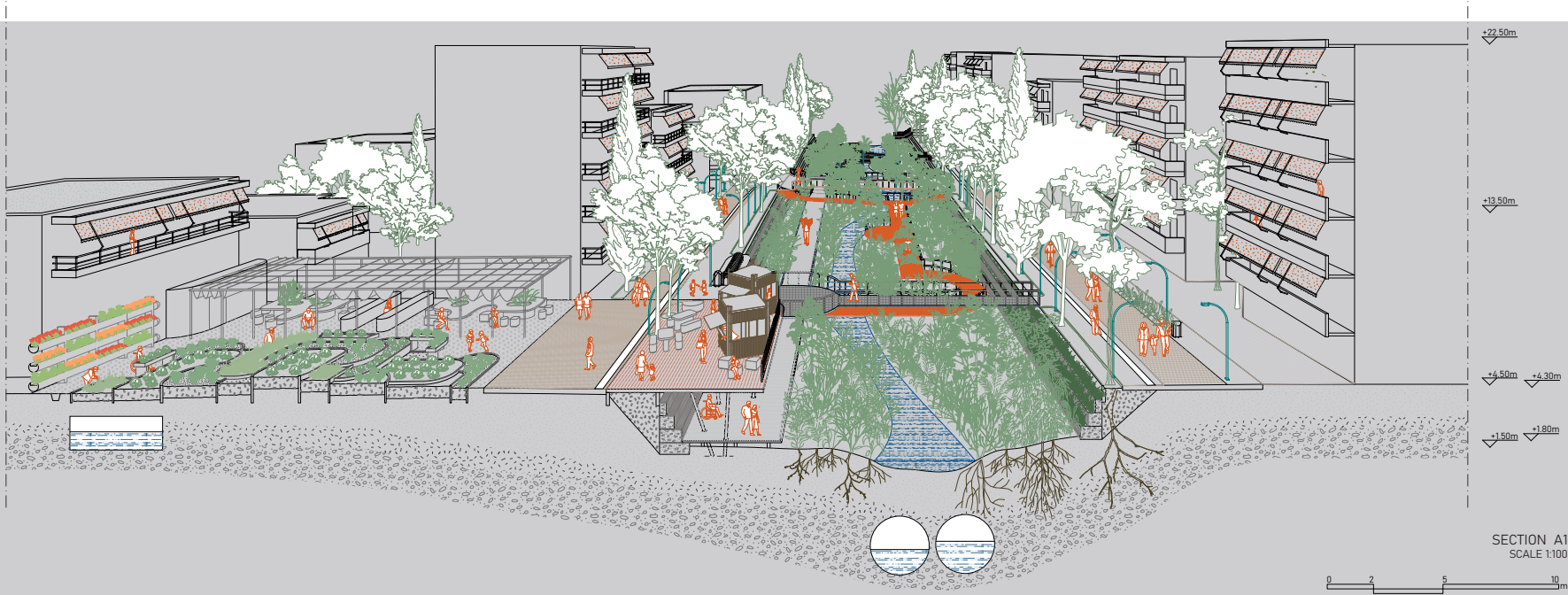
Title of the course Diploma design thesis 2025

Academic year 2024-2025

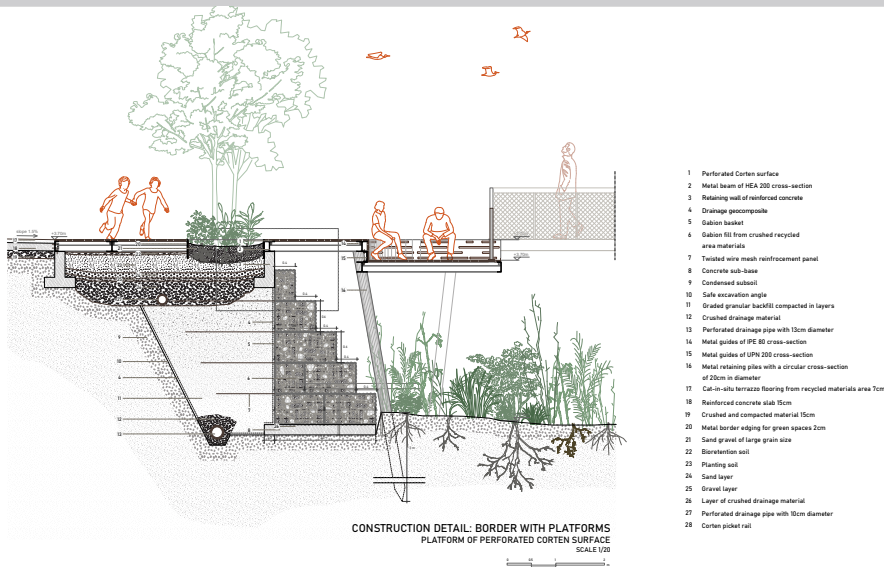
Teaching Staff Vitopoulou Athina

Department / Section / Program of belonging

University / School School of Architectural Engineering, Aristotle University of Thessaloniki



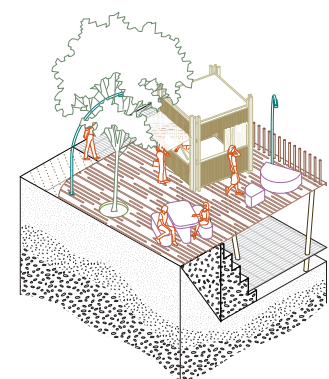
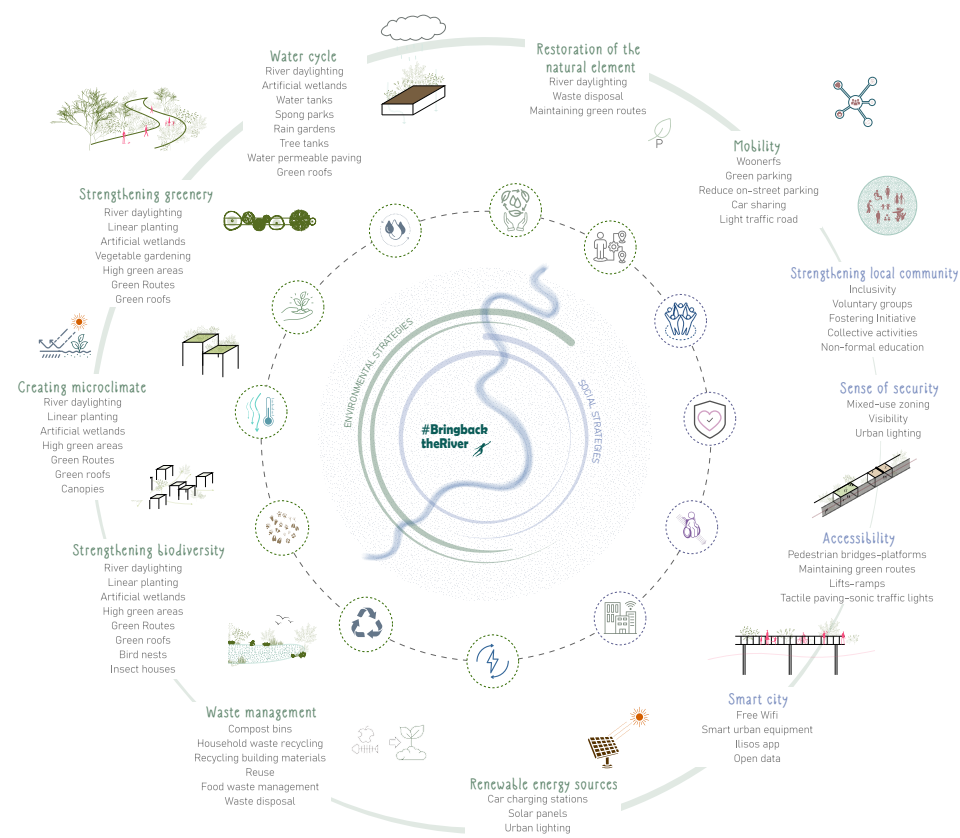
Ilisos, Athens’ second-largest river, once played a prominent role in the city’s natural landscape but has been systematically confined beneath urban infrastructure. Its restoration is now recognized as a critical step toward environmental rehabilitation, climate resilience, and the reestablishment of human connection with nature and water. In order to develop a comprehensive understanding of the river’s condition and potential, a multi-scalar analytical framework was adopted, ranging from the regional scale of the Attica basin to the finer scale of urban planning. An extensive field survey traced the river’s course from the Papagos stream to its outflow at Faliro Bay, a 30-year vision was developed that incorporates the complete restoration of the river and its integration into a sustainable city. The research focuses on strategic interventions that aim to transform Ilisos from a spatial barrier into a connective urban element, particularly between the densely populated municipalities of Kallithea and Moschato. Insights gathered from fieldwork, community dialogues, and a structured survey involving 345 participants revealed public expectations and priorities for the river’s restoration. This participatory process informed the development of key design principles, including bioclimatic improvements, enhanced accessibility, expansion of green spaces and the creation of inclusive public areas for social interaction. The study concludes with a comprehensive pilot proposal emphasizing the ecological, spatial, and social value of restoring the Ilisos, aiming to contribute to the transformation of Athens into a sustainable city that prioritizes human well-being and ecological integrity in urban planning and policy-making.



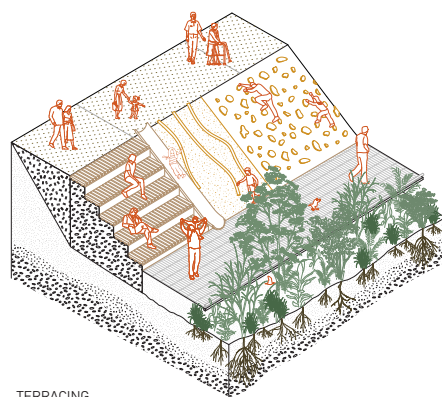
Barcelona International Landscape Biennial

Contact via email:
biennialadm@coac.net

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



FLEA MARKET



TERRACING



URBAN LIBRARY SPACE

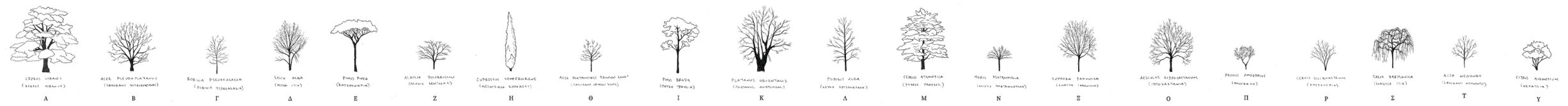


AREA A1
SCALE 1:200

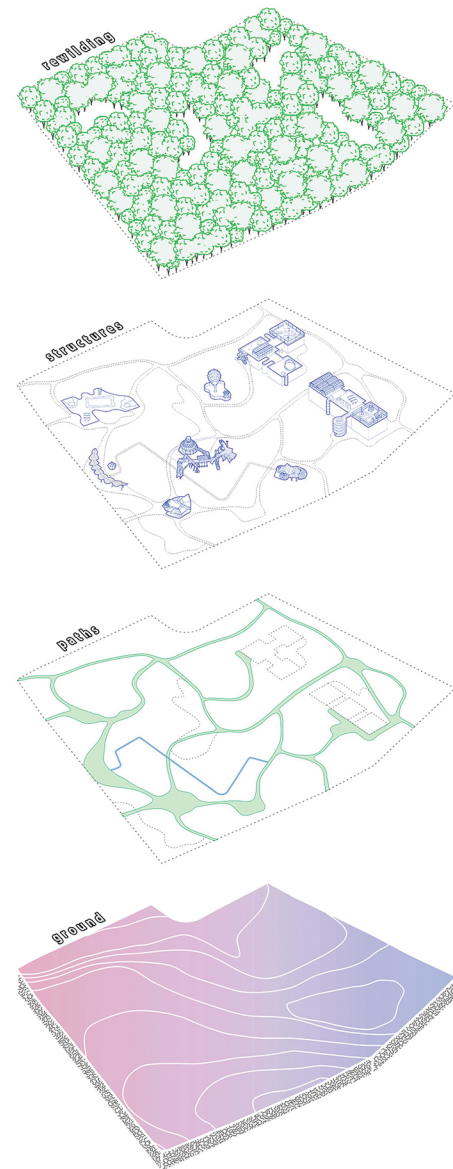


Cast-in-situ terrazzo floor	Natural stone paving sett dry-laid	Grass pavers	Metal perforated Corten	Galvanized steel grating
Ecological rubber floor	Engineered paving sett dry-laid	Brick	Metal grating Corten	Wood fiber
Green roof	Solar panels	Pitched roof	Stabilised earth floor	Low vegetation
Hydrophilic high vegetation	Evergreen high vegetation	Evergreen low vegetation	Deciduous low vegetation	Parking entrance
Hydrophilic low vegetation	Deciduous high vegetation	Fragrant plants	Entrance	Undeveloped land

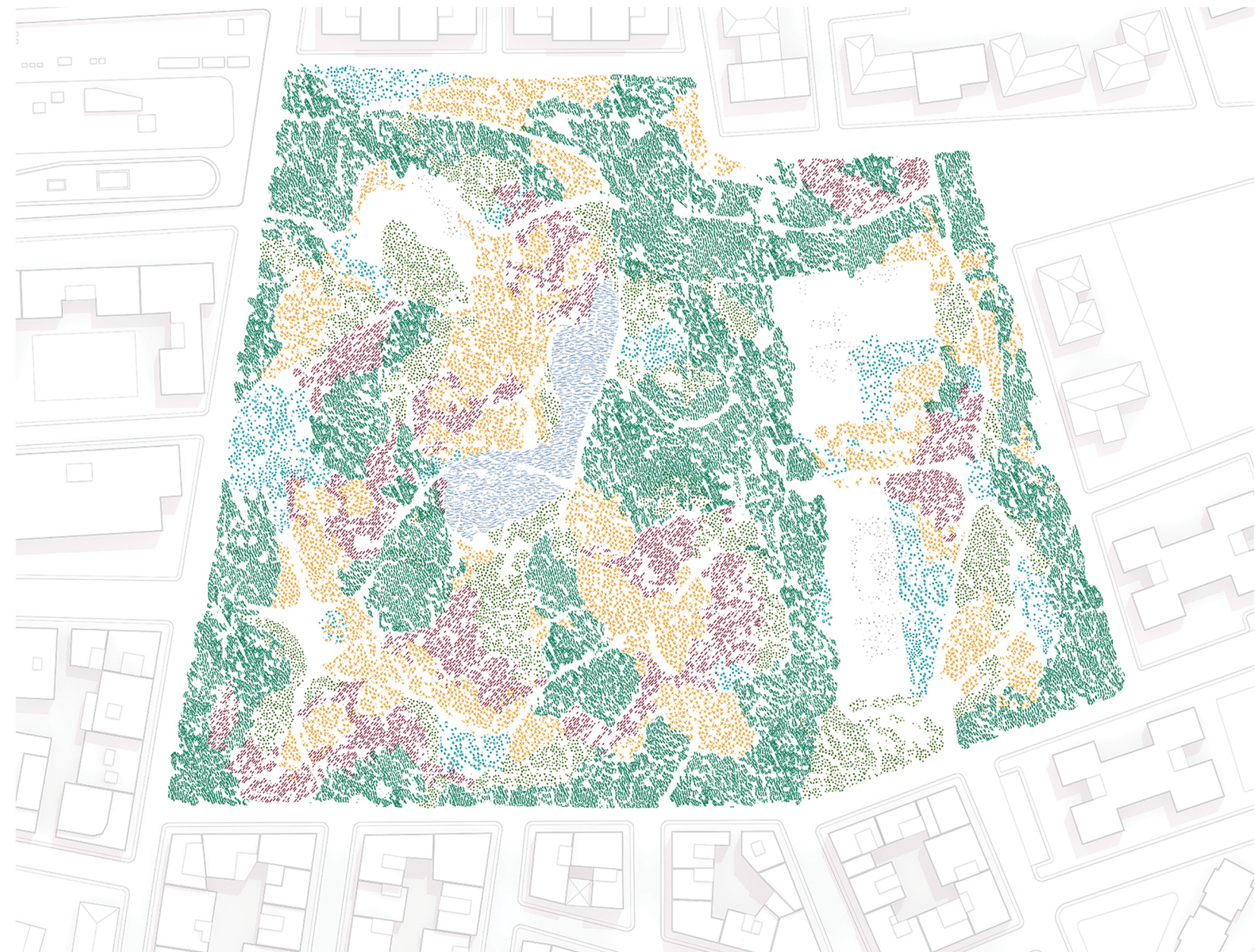




Strategies:



Map of vegetation / species:



Coniferous / Deciduous
(all from the list)

3 : 1



Deciduous

Κ Λ Ν Σ

Deciduous / Coniferous

3 : 1

B Γ K A M

Ε Π Ν Ι Υ

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26

Deciduous

 $\Delta \quad Z \quad \Theta$

O P T



Deciduous / Coniferous

3 : 2

B Σ E H

Λ Π



Country/City

Greece / Thessaloniki

University / School

Aristotle University of Thessaloniki / School of Architecture

Academic year

2023-2024

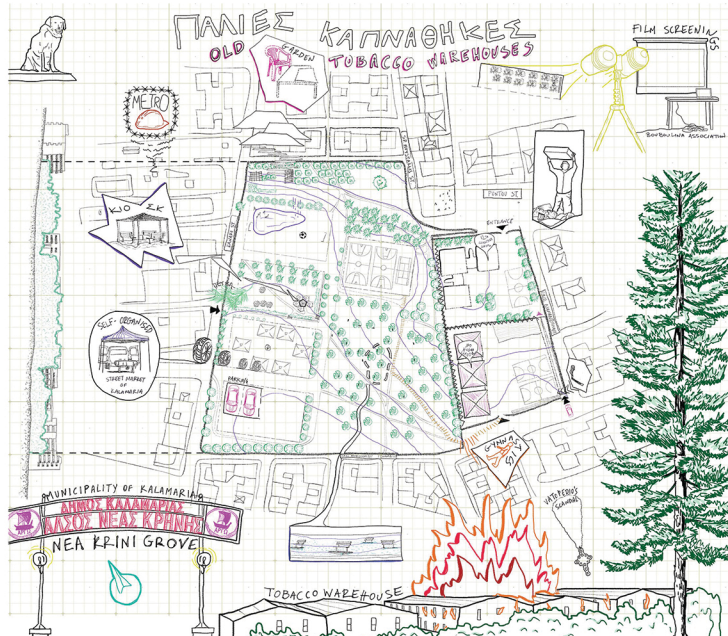
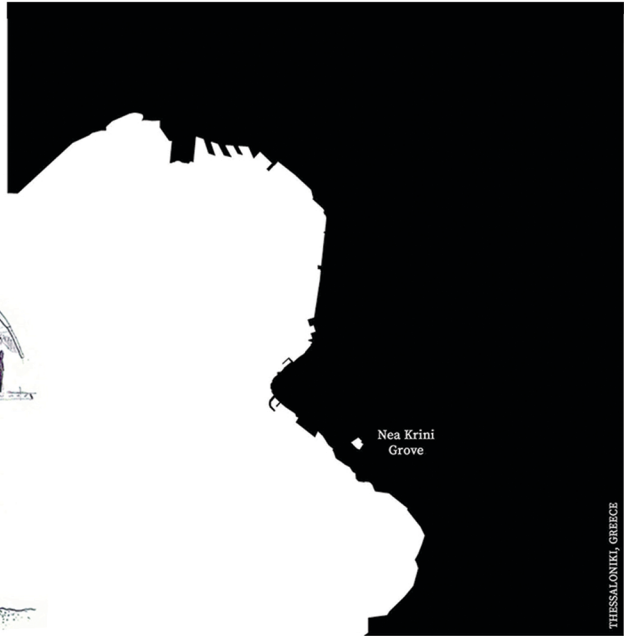
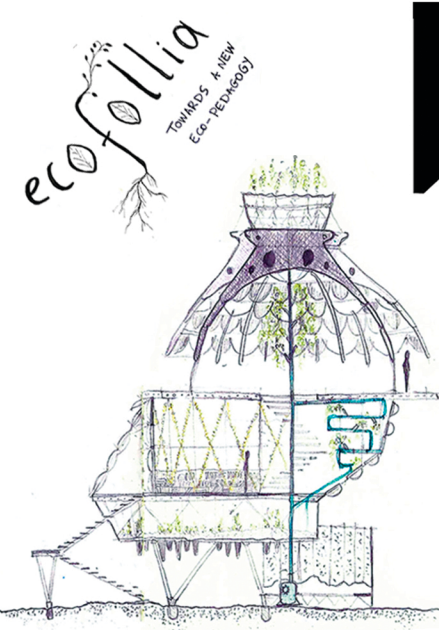
Title of the project

Ecofolia: Towards a new eco-pedagogy

Authors

Georgia Karakosta, Nefeli Metaxioti, Lydia Terkenli

Title of the project	Ecofolia: Towards a new eco-pedagogy
Authors	Georgia Karakosta, Nefeli Metaxioti, Lydia Terkenli
Title of the course	Intergrated Master's Design Thesis
Academic year	2023-2024
Teaching Staff	Apostolos Kalfopoulos
Department / Section / Program of belonging	School of Architecture, Aristotle University of Thessaloniki, Greece.
University / School	Aristotle university of Thessaloniki / School of Architecture

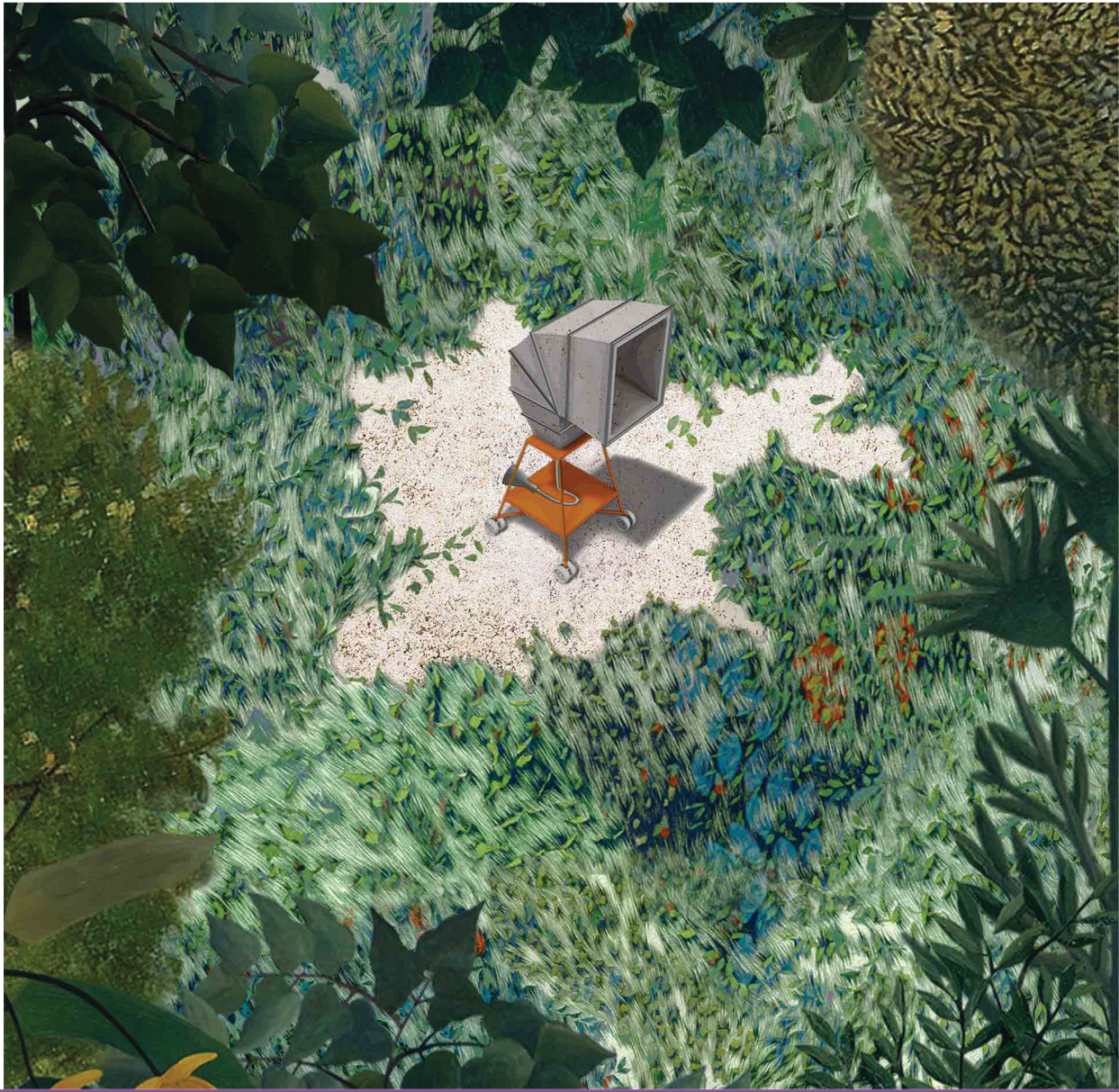


Written statement, short description of the project in English, no more than 250 words

Ecofolia is a project that proposes an alternative management of “commons” on small to medium-sized plots within the urban fabric. It focuses on rewilding and designing specific architectural facilities to support a Grove and the community that is developed in and around it. This approach is an experimental and collaborative eco-management of commons that aims to develop a new eco-pedagogy.

Our project focuses on an imaginary implementation of this practice on a plot in Thessaloniki, Greece. However, Ecofolia is a space that can multiply within the neighboring areas of "similarity", diffusing the alternative management of the commons. The plot is one of the few remaining open and green spaces in the urban fabric of Kalamaria. Today, it still remains a vacant lot, but a rich variety of interventions from residents' initiatives appear in it, weaving a diverse and porous urban environment. The aim of the project is to "open", soften and attribute this space to the processes of nature and offer to the neighborhood residents and visitors non-disciplinary practices that revolve around the birth, management, care, use and enjoyment of this pilot urban-natural ecosystem.

Over the years the trees come to occupy with their roots the abandoned, formerly artificial landscape. In this environment, once man-made and now reclaimed by locals and nature, a network of natural ecologies and architecture has been formed. These extraordinary structures, along with the natural, human, and non-human elements, compose an ongoing process that sets the seeds for coming into being a new "natureculture" (Haraway).

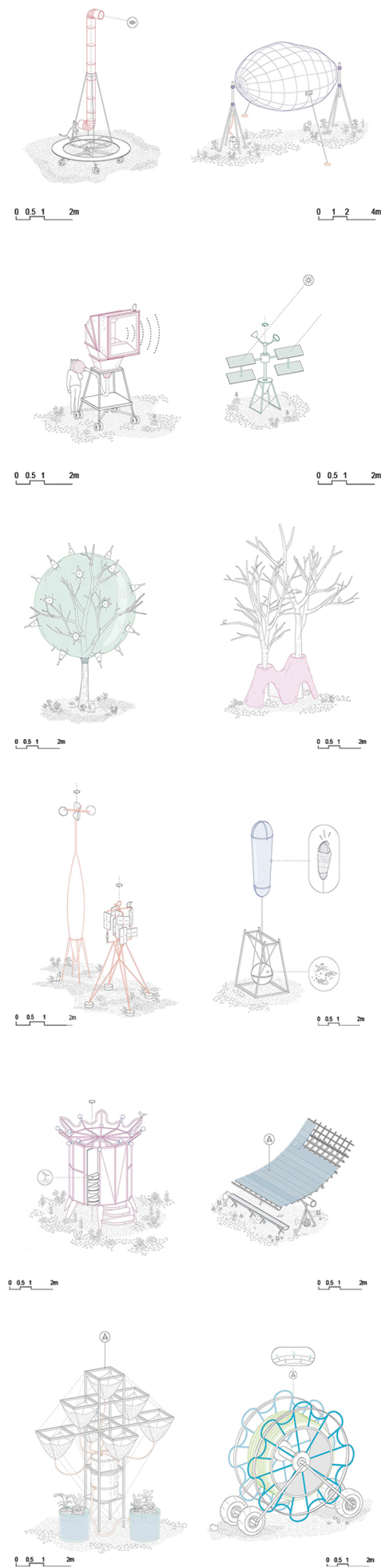


Barcelona International Landscape Biennial

Contact via email:
biennaladm@coac.net

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

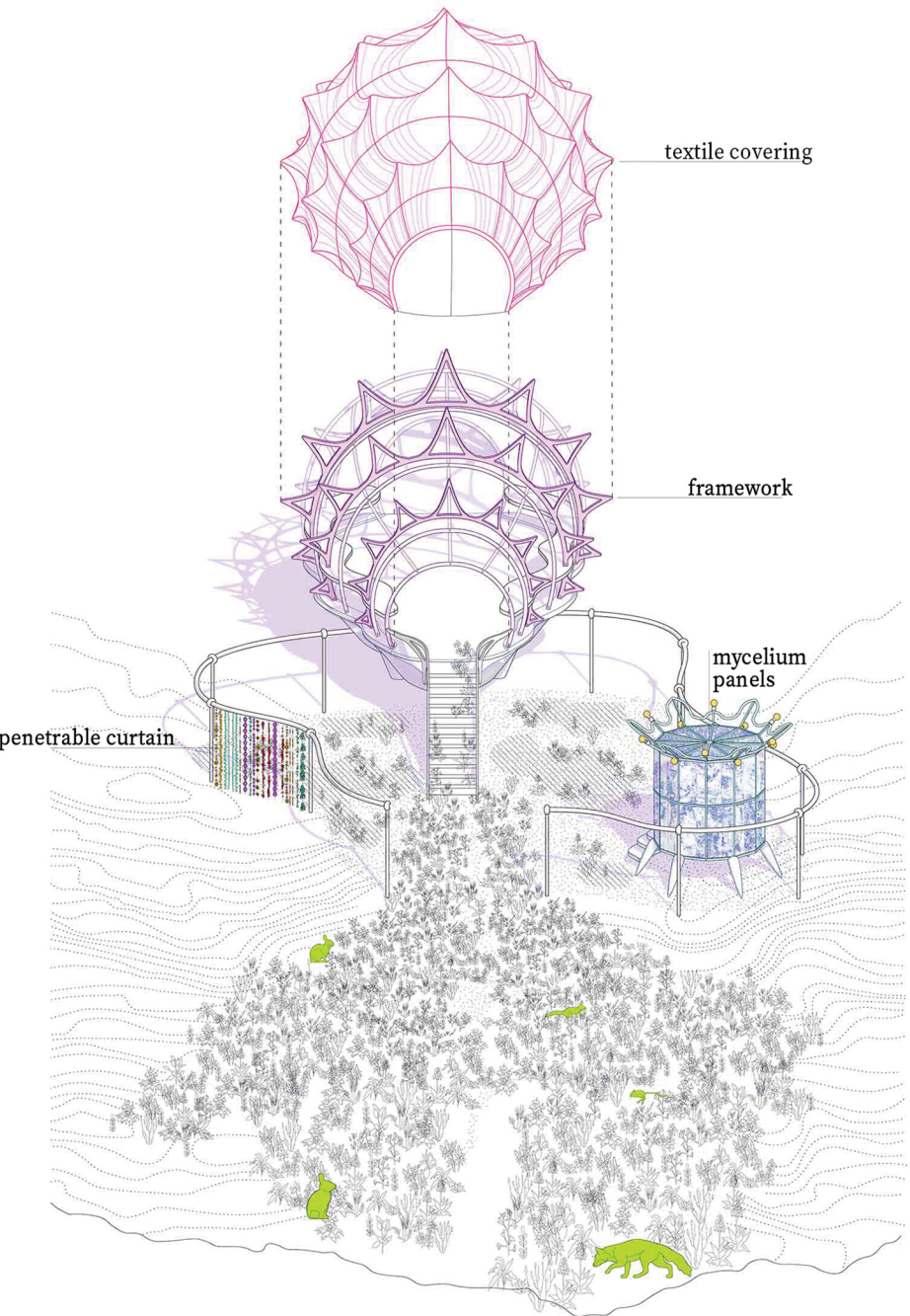
Extraordinary installations:



Structures:

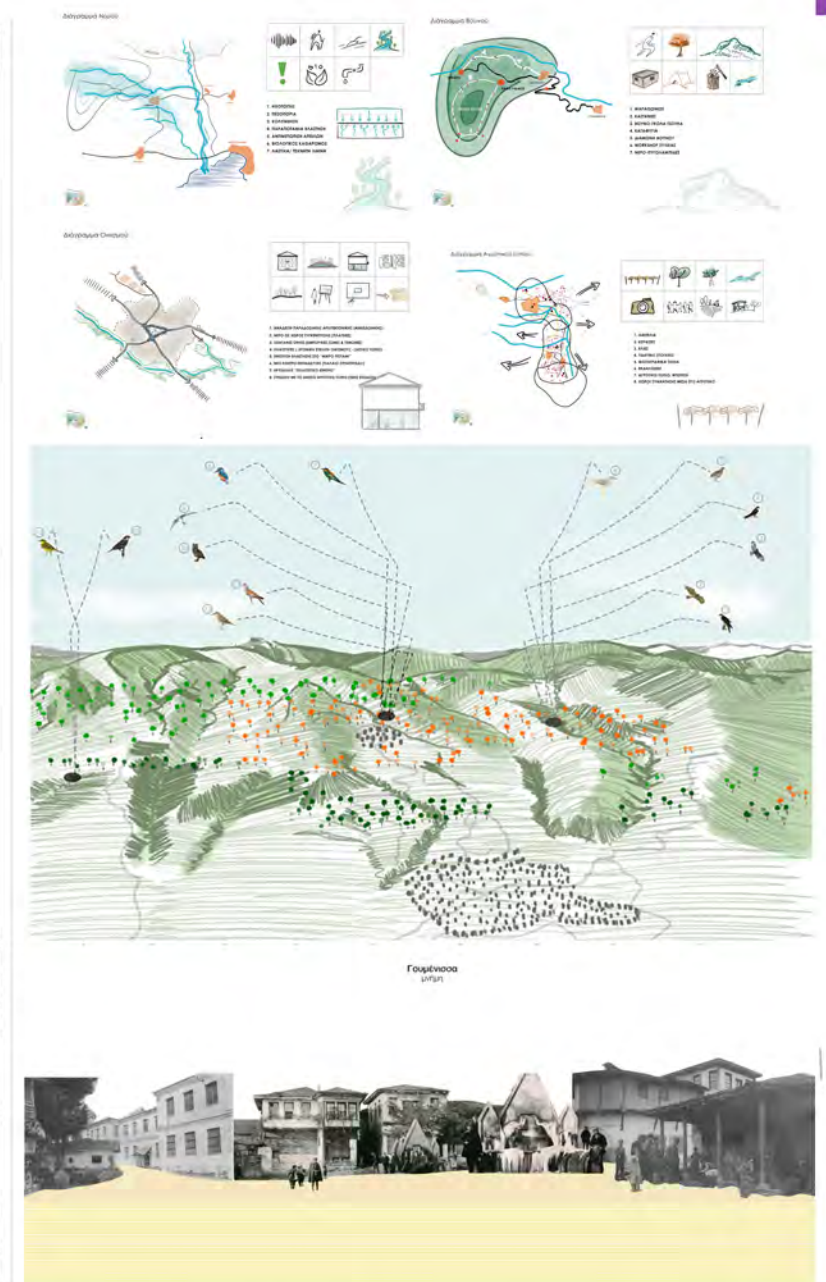


The seedbed - axonometric:

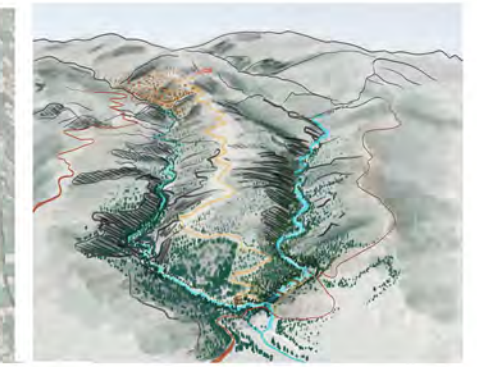


Models:





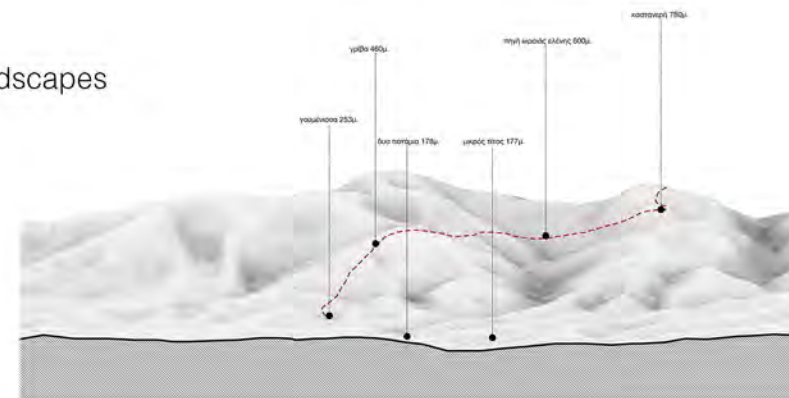
Where vegetation meets water



Au

13

Title of the project Planning and Designing the Landscape of Goumenissa , Greece
Authors Students and Tutors of course LD104 Planning and Design of Suburban, Rural and Natural Landscapes
Title of the course LD104 Planning and Design of Suburban, Rural and Natural Landscapes
Academic year 2024-2025
Teaching Staff Eleni Athanasiadou, Charis Christodoulou, Ilias Venesis, Maria Partalidou
Department / Section / Program of belonging Joint Postgraduate Program of Studies in Landscape Architecture, School of Architecture-School of Agriculture
University / School Aristotle University of Thessaloniki Greece



13



Short description of the project

Goumenissa a small town of Northern Greece is a place blessed with natural beauty, cultural heritage, and unique landscapes that form a distinct and valuable identity. The broader area reveals three landmark landscape types — forest, urban, and agricultural — each with high environmental, cultural, and touristic value. Yet today, these landscapes operate in isolation, lacking a common vision that fully utilizes the area's rich natural and historical potential. Co-creation/participatory design and role play games were adopted to create our proposal, which seeks to unify these three landscapes through respectful interventions that highlight their inherent qualities, forming a coherent and emblematic identity for Goumenissa and the greater Paionia Municipality. This integrated approach aims to strengthen local character, support economic and touristic development, and transform Goumenissa into a model destination for both visitors and future investors.

Water plays a central role in this vision. Present in rivers, lakes, springs, canals, and underground streams, water is more than a resource — it is the unifying force shaping the region's identity and supporting its ecosystems, agriculture, and cultural life. It also enriches the sensory and acoustic qualities of the landscape. Another critical factor is the region's vibrant calendar of festivals and events throughout the year. These bring life and cohesion to the area but currently lack coordinated planning that could amplify their impact.

By linking landscapes and cultural activity through the guiding presence of water, our strategic plan envisions a harmonious and sustainable future for Goumenissa — one that celebrates its heritage, utilizes its resources wisely, and strengthens its presence as a resilient and dynamic destination.



Barcelona International Landscape Biennial

Contact via email:
biennialadm@coac.net

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

