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AND LANDSCAPE

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TERRARIUM. EARTH DESIGN: ECOLOGY, ARCHITECTURE

TERRARIUM. EARTH DESIGN: ECOLOGY, ARCHITECTURE AND LANDSCAPE



TERRARIUM. EARTH DESIGN: ECOLOGY, ARCHITECTURE AND LANDSCAPE edited by Silvia Mundula, Kevin Santus, Sara Anna Sapone

Terrarium collects research and reflections on the relationship between space, soil, vegetation and the biotic community, linked through the metaphor of the terrarium. The book is curated by a research Urban Interior Design", coordinated by Alessandro Rocca (Department of Architecture and Urban Studies at Politecnico di Milano), involved in the PRIN Sylva by the IUAV research unit.

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Masses of trees, rocks, leaves, and trunks are involved and overwhelmed in the same motion, in the most vital and miraculous continuum of the human story: the place of living' acts as the landing place of a millennial journey. The house, in its broadest sense of the term, in this narration seems to allude to a double tendency: on the one hand it expresses its empathy with the landscape, in which man slows down to such an extent as to contrast the rhythms of contemporary society; on the other, it seems to alter the balance of nature to submit it to our needs. The house's theme is, of all themes, perhaps the most complex: we can come to think that everything is a house, even a forest, a museum or a place of worship. Just as happens in the Islamic religion where the word "mosque" derives from the Arabic masjid, with a literal meaning "place where one prostrates oneself" (before God); this word is recurrent in the Koran but in no case does it seem to refer to a new type of specifically Muslim building. The Koran states a rule addressed to all Muslims, of crucial importance for the architectural history of the mosque: the obligation of prayer as a private act, to such an extent that tradition states that there is a *masjid* wherever there is someone who prays.

In an editorial of *Domus* magazine, Ernesto Nathan Rogers, in the opening issue of the management writes:

I want to have a house that looks like me (in beauty). A house that resembles my humanity. [...] Let us all help each other find harmony between human measure and divine proportion (Rogers 1946, p. 3).

With the term "humanity," Rogers suggests everything that belongs to nature, to the origins of man, therefore alluding to an undefined, uncontaminated place that coincides with the ideal of paradise on earth. By applying to the theme of the "house" the same principle previously mentioned for the "mosque", mutatis mutandis, it can therefore be said that there is a house wherever there is a place that reflects one's soul, one's nature, ultimately a space that ennobles the man. Between the 1960s and 1970s, the union between the natural and the man-made landscape was brought into focus by the Spanish architect Miguel Fisac through twelve architectural episodes in the Balearic Islands in Mallorca. He explored the Costa de los Pinos following the Hotel Costa de la Luz commissioning in Santa Ponça in 1959, the first of the large complex of urbanization works. The main objective is to trace and stage the relationships that link the resources of the surrounding environment with the authorial narration that the creative process puts into shape. The numerous watercolors by Fisac – which portray Mallorca – show the attraction that Miguel Fisac, *Earthly emergences, photograph of the project area* – seen from the water – of the single-family house for Antonio Garcìa Hidalgo in the Punta Rotja area along the Costa de los Pinos, Son Servera, Mallorca 1969. Courtesy Fundación Miguel Fisac.

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DAMIANO DI MELE

this landscape exerts on the designer's thinking. It is a landscape that coincides in all respects with the poetics of the "wilderness": a portion of territory, in a wild state, in which natural forces predominate.

He is convinced, like Thoreau, that the concept of *wilderness* is a treasure to be safeguarded rather than plundered. This is how nature is reflected in the drawing as a preparatory exercise to fully understand the roots of the place, even before giving shape to the project. In this panorama, the soil – custodian of experiences that time has left to settle – represents the first resource for the transformative action of the area. The single-family houses built in the municipality of Son Servera are divided into individual independent volumes arranged along the rocky edge of the coast, in favor of the pre-existing orography.

Each has a different privileged view that overlooks the sea.

The set of houses designed and built in the urbanization of *Costa de los Pinos* constitutes a suggestive field of experimentation for Fisac. Every single house embodies the form, the technique, and the rigorous limits of the topography and climate of the place (Ferrer Forés 2009, p. 17).

The supporting structure, for example, is made of *marés*, a limestone typical of the Balearic Islands historically used to construct both public and private buildings. The object of investigation of this complex reflection is the design - in the Punta Rotja area - of the house for Antonio Garcia Hidalgo, an entrepreneur in the naval sector. Miguel Fisac in 1969, develops a singular idea that differs from the formal characteristics of the previous projects. The latter represents a "dreamed fantasy" by the architect, it is an idea of an "other space" that emerges from the earth, set among native crops. The project (which has never seen the light) abandons various unedited visions before assuming the physiognomy of *Terrarium*. Among the many design proposals by Fisac, two antithetical solutions emerge: the first, from 1966, corresponds to a rectangular plan rotated with respect to the orientation of the lot. An access leads to the small entrance that overlooks an internal square patio which leads to the living area and the dining room, separate from each other and slightly set back in front. In the second version, a few years later, the project takes on a radically different form with curved spaces and environments that revolve around elliptical patios. While maintaining the previous distribution and organization, Fisac proposes a completely new project. Borrowing the words of Bruno Zevi, it could represent a work of "intuitive imagination" (Zevi 1945, p. 66). The main element - from which the idea springs - is the large, pre-existing monumental staircase that leads from the area where the house should have been built to the beach below (Peris Sànchez 2016, p. 236). As can be seen from the project drawings, the wall delimits nature, closes,

Miguel Fisac, *Underlying sign, substratum,* detail photograph of the access ramp to the beach below the project area, Son Servera, Mallorca 1969. Courtesy Fundación Miguel Fisac.



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Miguel Fisac, *Terrarium, spontaneous entities*, photograph of Aleppo pine trunks and native vegetation of the Balearic Islands, Son Servera, Mallorca 1969. Courtesy Fundación Miguel Fisac.



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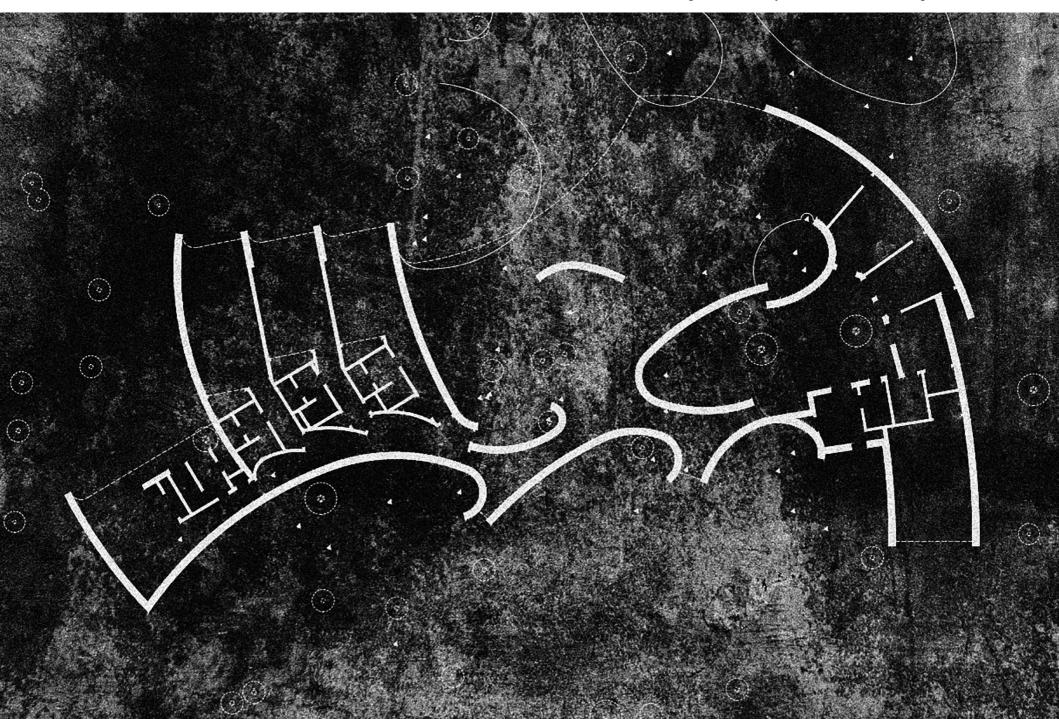
becomes the primary act of architecture, content and container of the landscape and human life. To all intents and purposes, it constitutes a threshold, sometimes impenetrable, which arises as a sense of protection from everything that takes place outside it. There are no more volumes, facades, perspective hierarchies, privileged points of view, detachments between an "inside" and an "outside."

The internal spaces of the house are projected, and the external ones are magnetized and absorbed.

The forms of the ground, intended as original data, orient the planimetric system and establish the trajectories of the routes. The curved walls, orchestrated according to a geometry bound by the position of the pre-existing trees, tangle the plant elements evoking that imaginary that refers to the formal synthesis of a terrarium. The latter is intended as a protective shell of an ecosystem that often feeds on itself. The proposal envisages that one day, through the systematization of the signs that emerge from the earth, if the natural traces had been erased, it would have been possible to go back to the invisible, as well as to the design process and to what has been buried for some time now. Many years earlier, Paul Klee's reflections in the book Theory of Form and Figuration, reopened the study of the curve and its formal characteristics. They have, therefore, made it possible to reformulate the importance of large curvilinear organisms with new meaning through the character of stillness of the figures of the circle and the ellipse very often present in this design proposal. Each "vegetable room" corresponds to a view or a different tree species, spontaneous or artificial. In this place, building and nature integrate into a total magnetic field. The house-terrarium is destined to be "consumed" one day by its gardens and by the vegetation that surrounds it.

The natural landscape along the *Costa de los Pinos*, meant as a "blank sheet," is actually imbued with the millenary traces, folds and perhaps even lacerations that Miguel Fisac - through the design of single-family houses intended as a pretext - has tried to mend. At the conclusion of the entire urbanization and retracing his entire career, he claims to be prouder of his unbuilt projects than of the completed works (Fernández-Galiano 2022, p. 10). Finally, within this horizon, a narrative potential could be drawn that helps to outline new imaginaries and new forms of living.

Miguel Fisac, *Invisible signs and constellations of trees*, single-family house for Antonio Garcìa Hidalgo, Mallorca 1969. Ground floor-plan. Image elaborated by Damiano Di Mele and Olga Barbulat.



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HASSAN AHMED

Hassan (Bevbe) Ahmed is a Maldivian environ- Architect, in 2020 founded in Bergamo with Sermentalist and coral scientist. In 2007, he founded the NGO "Save the Beach Maldives". Since design studio, winner of architecture awards for then, he is fighting for an ecologically sustainable development of the country, involving local communities and schools. In 2014 he started his (PoliMi - AUID) (2019 -). Participates in academic first coral restoration project. He led projects on conferences in Italy and abroad such as CA2RE different islands and organised the very first coral relocation in the Maldives (2016). He believes that only through information and knowledge the community will be able to protect and preserve its natural heritage. His aim is to grow back entire reefs and restore their ecological role lost due to climate change and coastal development.

KEVIN AMENDT

Kevin Amendt is an independent researcher engaged in the study of underground guarries, their role in today's landscape and their preservation. Member of the "Studiegroep Onderaardse Kalksteengroeven". "vzw Hulpdienst Groeven" and founder of "Onderzoeksbureau MGL". he advises public and other organisations in the border re- compositional practice. aion Lièae (BE) - Limbura (NL/BE).

MARGHERITA AUTORINO

tient creative, third of four children. After classical high school, she enriched her university course with two years abroad, practicing drawing at FAUP in Porto and ecology at ENSP in the Master's Degree in Architectural Design at Versailles-Marseille, and on-site internships with Wagon-Landscaping and the Botanical Garden Senior Lecturer in Architectural Theory and Deof Rome. In 2023, she graduated with honors in partment Head of Equality, Diversity and Inclu-Architecture - Urban Design at Roma Tre, guided sion at Northumbria University, Newcastle. by A. Metta, presenting with C. Condemi Maglia Boscata, a landscape architecture thesis on the material and immaterial, microscopic and cos- Federico Broggini is architect graduated at Acmic geographies of the Magliana Stream.

ANNALISA AZZOLA

Annalisa Azzola is a marine ecologist and recharacterization, monitoring, and assessment of coastal ecosystems. Part of her research potentialities in landscape design practices. also focuses on assessing local and global anthropogenic impacts. Her studies are based on scientific diving techniques, including visual field Thomas Cabai is an Italian architect and Ph.D. surveys and photographic sampling.

BEATRICE AZZOLA

Beatrice Azzola is an architect and academic researcher. She worked in several architecture firms in Italy. Portugal and Switzerland. In 2021 she started her PhD on Italian highway archiand ecology.

GINO BAI DI

ena Comi, Vacuum Atelier, an architecture and young architects and architecture competitions. He holds a doctorate in architectural composition Milan and Ljubljana (2020-21) and Conceptual Design of Structures in Zurich (2021). Workshop Urban regeneration and Industrial heritage EPFL - Lausanne (2023)

MATTIA BALDINI

Mattia Baldini is an architect, founder and member of Fuoriformato Architettura, and PhD researcher in Architecture. Theories and Design (cycle XXXVIII, SSD: ICAR/14) at La Sapienza, University of Rome. He has conducted research in Italy (Florence, Rome) and abroad (ETSA in Seville). The main field of research application concerns the relationship between the theoretical pretexts of design and their applications in

NADIA BERTOLINO

Nadia Bertolino, PhD, is an architect, writer and educator concerned with ethical design practic-Born in Rome in 1997, curious explorer and pa- es in response to socio-spatial inequalities and environmental emergency. She is Assistant Professor in Architectural and Urban Design at the University of Pavia, Formerly, Nadia coordinated Sheffield School of Architecture and she was

FEDERICO BROGGINI

cademia di Architettura di Mendrisio. Since his early experiences he focused on urban and landscape design, in particular dealing with soil and water management concerns. He is part of Latisearch fellow at University of Genoa. She fin- tude Platform for Urban Design and Research. In ished her PhD in Marine Science and Tech- 2022 he started a PhD in landscape architecture nologies in 2023. Her research topics include at RomaTre University. The thesis explores the world of urban soils, in particular sealed soils by of the ecological status and change over time asphalt, investigating their intrinsic values and

THOMAS CABAI

candidate at the Department of Architecture and Urban Studies (DAStU) at Politecnico di Milano, where he is also a teaching assistant in the Landscape and Infrastructure Design Studio, His main research interest lies within the relationship between ecology and built environment in anthropic territories. He is part of the National Bitecture and landscape. She also works on the odiversity Future Center and is currently working disciplinary interferences between architecture on several projects of Restoration Ecology and Phytoremediation in the Metropolitan City of Milan, Tuscany and Friuli Venezia Giulia.

CHIARA CARAVELLO

Chiara Caravello is a PhD candidate in architecture in a double programme between the University of Liège (BE) and Politecnico di Milano (IT). Awarded with a FNRS fellowship, she is carrying designs gardens and landscapes at her office out her research on underground guarries in the cross-border area of the 'Three Countries Park' in the Euregio Meuse-Rhine (BE-NL-DE).

GIULIA CAZZANIGA

Architect and researcher. Giulia Cazzanida holds a PhD in Landscape and Environment from Sapienza Università di Roma. Her research focuses on the impact of representation on the perception of landscape and its influence on the design Damiano Di Mele, architect, PhD candidate at of future transformations. Recently, she has ap- the Sapienza University of Rome in international plied this reflection to the River Po basin. She is co-tutorship with the Universidad Politécnica de part of the research team financed by Enel Green Madrid (UPM). Graduated cum laude from the Power focusing on the decommissioning of solar power plants and she is currently a research fellow at the Politecnico di Milano where she teaches Landscape Architecture design.

AMINA CHOUAIRI

Amina Chouairi is a PhD student in Urbanism at Università luav di Venezia and holds a Master of Science in Landscape Architecture from Delft University of Technology. Since 2019, she has been researching and working on the Venetian Lagoon complex transitional territory, exploring the debated relations among its cultures and natures. Crucial for her is the understanding of the Sara Favaroiotti is Associate Professor at the agency of the barene landscape - the brackish University of Trento, DICAM, Her research inmarshes, i.e. the ignition point from which to rethink the Venice-in-a-lagoon system.

FELICE CIMATTI

Felice Cimatti teaches "Semiotica e teoria dei linguaggi" at the 'Università della Calabria.

PIFTRO CONSOLANDI

Pietro Consolandi is a researcher and artist based in Venice, where he co-founded the Barena Bianca collective in 2018. He is a research fellow at THE NEW INSTITUTE Centre for Envi- Marco Ferrari is a researcher at the University ronmental Humanities (NICHE). Ca' Foscari University, inquiring about the possibility to implement the Rights of Nature in the Venetian Lagoon from a cultural point of view. He also collaborates project and partner and co-founder of the artistic with art and ecology foundation TBA21-Academy since 2020, where he develops various collaborative didactic initiatives as OCEAN / UNI Research Lead

CASSANDRA CO77A

Cassandra Cozza, architect, PhD, is Lecturer and Assistant Professor in Architectural and and Urban Studies. Politecnico di Milano. Her research topics focus on contemporary paradiams of architectural and urban design studying changes with a design approach aimed at enhancing both spatial relationships and contexts. She is a member of the scientific editorial board of the magazines Territorio (Franco Angeli) and Ardeth (Rosenberg & Sellier).

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SASKIA DF WIT

Saskia de Wit is landscape architect and assistant professor at the Section of Landscape Architecture, Delft University of Technology. She Saskia de Wit tuin en landschap. Her research focuses on the garden as a core concept of the field of landscape architecture: the concept of the garden is used as a lens for further research into site-specificity, the sensory perception of place, urban landscapes, leftover spaces and urban forestry.

DAMIANO DI MELE

luav University of Venice after a period of training in Spain. His current research is focused on the analysis of themes related to the history and criticism of contemporary Spanish architecture in the relationship between figurativeness and structure. He participates in research activities in the GIPC group (Grupo de Investigación en Paisaie Cultural) at the Proyectos Arquitectónicos department of the Escuela Técnica Superior de Arquitectura de Madrid (ETSAM), where he has been a visiting doctoral researcher since 2022.

SARA FAVARGIOTTI

vestigates the multiple identities of landscapes through applied research at different scales, focusing on fragile territories, emerging infrastructure, adaptive dynamics and regenerative design. Local coordinator of project B4R. Branding for Resilience (PRIN, 2020-2024), member of the Directive Board of IASLA (since 2018), she is co-founder and scientific advisor of the innovative startup RUMA S.r.I. SB.

MARCO FERRARI

of Trento. DICAM and adjunct Professor of Architectural Design Theory at the University of Ferrara. He is project leader of PaesaggiForti duo AIDEL. He is particularly interested in contemporary architectural and landscape theory and in revealing the relationship between bodies. ecologies and space, questioning concepts of domesticity and intimacy in both living environments and landscape.

ANDREA FOPPIANI

Urban Design at the Department of Architecture Andrea Foppiani is a PhD candidate in Architectural. Urban, and Interior Design from the DAStU department at Politecnico di Milano, where he graduated with honors in Sustainable Architecture and Landscape Design. His research focuses on post-logistics landscapes in the Po Valley, working through more-than-human ecologies to explore future hybrid scenarios. He is an academic tutor in design studios and is part of the Landscape Offfl Limits International Workshop's organization team.

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HERMANO LUZ RODRIGUES

uted to several technological art projects. In his practice, he mixes iconic cultural heritage with between space and technology. contemporary digital media to inspire participatory creative practices.

INA MACAIONE

Unibas, coordinates the Phenomenology of with the transformations of architecture, city and landscape in the process of ecological transition and Climate Change.

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Valerio Massaro is an architect and academic and a PhD candidate at the AA School of Archi- Andrea Oldani is an assistant professor of Land-AA School (Projective Cities).

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Davide Montanari graduated with honors in Sustainable Architecture and Landscape Design from Politecnico di Milano where he is currently doing a PhD in Architectural, Urban, and Interior Design, His research focuses on the practices of Irene Pancrazi is a marine biologist specialising appropriation of water within the Po River Basin future visions through the image of cyborg landtional Workshop's organization team.

LAURA MUCCIOLO

design With Mies van der Rohe into a New World whole reef and see it thrive. (Neue Nationalgalerie) during the Hypercomfort SS by S. Bru (BRUTHER). In the year, she was guest curator with Michelangelo Pivetta and Giacomo Razzolini of the touring exhibition Isolario Venezia Svlva (curated by Sara Marini) at Dept. Paradiso (Libria, 2023).

SILVIA MUNDULA

Silvia Mundula is a PhD candidate at the Poin Milan, she gained a Master's degree in Histo- focused on Human Health and Sustainability. ry and Critical Thinking at the Architectural Association in London, where she developed her interest in the theory of gardens. Her research investigates the cultural principles and the design outcomes of contemporary wild oriented planting design in Europe.

VALENTINA NOCE

TERRARIUM

Hermano Luz is a designer from Brazil and a Valentina Noce is an architect and researcher PhD researcher in Creative Technologies at the based in Milan (Italy). She is the founder of ar-University of Galway. He received a Master's in chitectural office Sabotage Practice. She is com-Design Studies degree from the Harvard Gradu- pleting a PhD in Architecture Interior and Urban ate School of Design, where he was a curator of Design at Politecnico di Milano, where she's also the GSD Kirkland Gallery. He has exhibited and collaborating in teaching activities. Bridging the published internationally as an artist and contrib- realms of architectural practice and academic research, her work delves into the intersections

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Rita Occhiuto is Professor Director of the "Lab. Ville-Territoire-Paysage" within the Research Ina Macaione, associate professor at DiCEM Unit in Architecture at the Faculty of Architecture. University of Liège (BE). She is member of the Architecture Design course. She is scientific "PhD School in Architecture and urban planning" coordinator of the NatureCityLAB. Her research and of the Lepur "Research Center in Sciences is on the issues of urban regeneration, starting of City, Territory and Rural Environment" (University of Liège), and Founder Member of "UN-ISCAPE - European Network of Universities for the implementation of the European Landscape Convention"

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tecture. He holds a degree in architecture from scape Architecture at the Department of Archithe University of Florence and an MPhil from the tecture and Urban Studies at Politecnico di Milano, where he is faculty member of the School He taught Design and History and Theory in sev- of Architecture, Planning and Construction eral institutions, including London South Bank Engineering. He earned a Ph.D. in Architectural University, the Royal College of Art and the Uni- and Urban Design from the Department of Architecture and Planning. His researches on the landscape of contemporary infrastructure, are documented by a consistent number of scientific publications. Oldani curated seminars. exhibitions and editorial works.

IRENE PANCRAZI

in tropical environments and their restoration. to unveil protocols of exploitation and investigate In 2016 she started to work for the NGO "Save the Beach Maldives". after witnessing a bleachscapes. He works as tutor in design studios and ing event in the Maldives and feeing the urge to is member of the Landscape Of[f] Limits Interna- take action. Since then, she was in charge of the set-up and the research protocol of various coral restoration projects. She collaborates with various Italian universities, tutoring students and Laura Mucciolo, architect, is Ph.D. st. in Archi-supporting scientific research. Today she is one tecture. Theories and Design, Sapienza Univer- of the project managers at the NGO and shares sitv of Rome. In 2022, she exhibits the ephemeral the same dream as its founder: to grow back the

MARIANA PERFIRA GUIMARÃES

Mariana Pereira Guimarães is an architect-engineer from Brazil and PhD Candidate in Politécnico di Milano's Architecture. Urban and Interior of Architecture in Florence. She publishes Terzo Design program. Mariana was a Marie-Curie EID-ITN research fellow within the SOLOCLIM programme (ID 861119) studying innovative outdoor water-cooling solutions such as fountains and water mists that can respond to extreme urlitecnico di Milano and a garden designer. After ban heat. She received a Master's in Urban Plancompleting her Master's degree in Architecture ning and Public Health from Harvard University

MICHELANGELO PIVETTA

Michelangelo Pivetta, graduated from IUAV Uni- Giacomo Razzolini architect, founder and memas experimental opportunities for perennial and Dept. of Architecture in Florence. necessary verification.

MICHELE PORCELLUZZI

research interest is focused on the concept of collectiveness in architectural and urban design. He is a founding member of the research project OASE (2022) and Die Architekt (2023) and exhibited at IABR 2022 in Rotterdam.

CHIARA PRADEL

Chiara Pradel, PhD Arch, (Politecnico di Milano, 2022), is a Landscape Architect and Post-doc researcher at TU Delft, Faculty of Architecture and the Built Environment. Her research explores study the design transition facing climate fragilground movements originated by building activ- ities and its impacts on the morpho-typological ities, mainly focusing on material culture, reuse aspects of the project. and circular baukultur. She lives and works between Milan (Italy) and Delft (Netherlands).

SARA PROTASONI

Sara Protasoni, Head of the M.Sc. in Sustainable Architecture and Landscape Design Politecnico di Milano - Piacenza Campus, is Full Professor of Landscape Architecture and member of the Board of the PhD Program in Landscape Architecture at La Sapienza University in Rome At with an intense activity of design and theoretical research on landscape. She is the author of several monographs and over a hundred essays published in books and journals in the field.

ALESSANDRO RAFFA

Alessandro Raffa, architect PhD, is assistant professor PON R&I FSE-REACT EU at DICEM Unibas; member of NatureCityLAB and UNESCO Chair on Mediterranean Cultural Landscapes research groups. PhD at DAStU Politecnico di Milano, research fellow Sven-Ingvar Andersson at Benetton Foundation (2020) and post-doc re- of two Ph.D. titles. SJTU + PoliMi. in 2019. he searcher at DAD Politecnico di Torino (2021). He has been a visiting scholar at the BUCEA. The is currently Fulbright Visiting Scholar at Univer- core topic of his research covers architectural sity of Florida. College of Design. Construction strategies of revitalization in complex settlement and Planning and Florida Institute for Built Environment Resilience

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GIACOMO RAZZOLINI

versity of Venice, PhD and Associate Professor ber of architecture firm filoferro architetti. He is in Architectural Design in the Department of Ar- teaching tutor at the Department of Architecture chitecture of University of Florence. The field of of the University of Florence. He was a research application of the theoretical research is the pro-fellow at the University of Florence and Pavia for ject and its manifestation through the ephemeral projects dealing with different themes. In 2022. balance between technique, construction and he was quest curator with Michelangelo Pivetform. He writes essays and books addressing in ta and Laura Mucciolo of the touring exhibition parallel the didactic and professional activities Isolario Venezia Sylva (curated by Sara Marini) at

ALESSANDRO ROCCA

Alessandro Rocca is an architect, a professor Michele Porcelluzzi is an architect and PhD can- of architecture and the Head, for the period didate in Architectural, Urban and Interior Design 2019-24, of the Ph.D. program of Architectural at DAStU. Politecnico di Milano, in collaboration Urban Interior Design (www.auid.polimi.it) at the with the National Biodiversity Future Center. His Department of Urban Studies of Politecnico di Milano. His recent research develops within the program of national interest (PRIN) "SYLVA - Rethink the sylvan: Towards a new alliance between Assume There's a Landscape. His research ac- biology and artificiality, nature and society, wiltivity has been published in journals including derness and humanity" and the Ca2re European Consortium for design-driven research.

KEVIN SANTUS

Kevin Santus is an Architect. Research Fellow and Ph D, candidate at the Politecnico di Milano (Italy) in Architecture, Urban, and Interior Design, He won an interdisciplinary grant (2020-2024) to

Besides he is a Research Consultant at the Brookfield Sustainability Institute in Toronto and contributor in DOMUSweb.

SARA ANNA SAPONE

Sara Anna Sapone is an Architect, Ph.D. candidate and Research Fellow at Politecnico di Milano. Here she was involved in teaching and research activities, such as the program G124 promoted by Renzo Piano on italian peripheries. the Politecnico di Milano she combines teaching Meanwhile, she worked in Milan-based architecture firms, addressing urban renewal and architectural design. Since 2020, she's developing her doctoral research " Precision Wildland" within the AUID program at PoliMi and a research stay at the Landscape architecture section of TU Delft, funded by the Idea League Grant.

GERARDO SEMPREBON

Gerardo Semprebon, PhD architect, is Assistant Professor in architectural and urban design at the Department of Architecture and Urban Studies (DAStU) of the Politecnico di Milano. Holder systems, with specific focuses on Chinese and Italian cities and territories

GIULIA SETTI Giulia Setti, architect, Ph.D., is an Assistant Professor of Architectural and Urban Design at Politecnico di Milano, Department of Architecture and Urban Studies. In 2022, she published a typological study of the stepwells in Ahmedabad, India. Her research focuses also on reusing industrial architecture. She worked In the Territorial Fragilities project led by DAStU – Department of Excellence 2018-2022. In 2014-2015, she developed research activities at CEPT University, Ahmedabad, India.

CHIARA TOSCANI

Chiara Toscani is an architect, educator and researcher based in London. She is currently a PhD candidate at the AA School in London in History and Critical Thinking in Architecture. She got her first PhD in Architectural and Urban Design at the Politecnico di Milano and was awarded a postdoctoral research fellow in 2010. She taught urban and architectural design at the Politecnico di Milano, tutored at AA Summer School and Ravensbourne University. Author of essays and books. For a decade, she worked as a senior architect at Cino Zucchi Architetti.

JO VAN DEN BERGHE

Jo Van Den Berghe, architect (Sint-Lucas School of Architecture 1984) with a critical reflective practice since 1986. PhD, RMIT University Melbourne 2012. Teaching experimental architectural design, KU Leuven Faculty of Architecture, where he is developing innovative drawings as the indispensable locus between Techné and Poiesis. Program director KU Leuven Faculty of Architecture 2017-2022. Visiting professor at Politecnico di Milano, EPFL Lausanne, Queen's University Belfast.

FRANCESCA ZANOTTO

Architect, PhD, she is Assistant Professor of Architectural Design at the Department of Architecture and Urban Studies of Politecnico di Milano, where she works on ecological implications of architectural design within the National Biodiversity Future Center. In 2021 and 2022 she was Research Fellow within the Integral Design Environment Research Infrastructure (Ir.ide) – Center for Publishing Actions and Research Development (Pard) at Università Iuav di Venezia, taking part in the scientific activity of national research PRIN "Sylva". In the same serie

* Sara Marini (a cura di), *Nella selva. XII tesi*, 2021.

Q Sara Marini, Vincenzo Moschetti (a cura di), *Sylva. Città, nature, avamposti,* 2021.

Alberto Bertagna, Massimiliano Giberti (a cura di), *Selve in città*, 2022.

Sara Marini, Vincenzo Moschetti (a cura di), Isolario Venezia Sylva, 2022.

L Jacopo Leveratto, Alessandro Rocca (a cura di), *Erbario. Una guida del selvatico a Milano*, 2022.

E Fulvio Cortese, Giuseppe Piperata (a cura di), Istituzioni selvagge?, 2022.

* Sara Marini (a cura di), *Sopra un bosco di chiodi*, 2023.

Egidio Cutillo (a cura di), *Bestiario. Nature e proprietà di progetti reali e immaginari*, 2023.

Andrea Pastorello (a cura di), *Selvario. Guida* alle parole della selva, 2023.

Marco Brocca, Micol Roversi Monaco (a cura di), *Diritto e città "verde*", 2023.

Luigi Latini, Lorenza Gasparella (a cura di), *Coltivare la selva*, 2023.

*** Q** Stamatina Kousidi (a cura di), Forest Architecture. In Search of the (Post) Modern Wilderness, 2024.

Elisa Monaci, *Toscanità. Le architetture di Vittorio Giorgini*, 2024.

Luca Zilio, *La montagna di Ermenegildo Zegna*, 2024.

***** Giacomo Spanio, *Spazio e società. La rivista di Giancarlo De Carlo tra progetto e prospettive*, 2024.