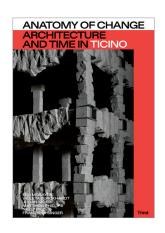


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Elli Mosayebi, Violeta Burckhardt, Julian Meier Matthew Phillips, Nelly Pilz, Franziska Singer (eds.)

# Anatomy of Change. Architecture and Time in Ticino

Book design: Maike Hamacher, Selina Bütler, Zurich English, 136 pages, ca. 120 images and plans, 22 × 31 cm, softcover with linen spine

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### Book launch

13 November 2025, Zurich
Details to follow → triest-verlag.ch/news

New release October 2025

# Temporary, circular, permanent – strategies for the existing building stock

- From temporary to circular to permanent strategies for dealing with the building stock according to different requirements
- Included projects address key issues such as climate change, demographic shifts, and resource use

The combined, interconnected forces of climate, demographic, and economic change are resulting in profound and unpredictable changes in architecture, landscape, and urban space.

At the same time, there is a demand for resilient, sustainable architecture. However, our buildings are becoming less and less durable. The structures we build are often too rigid to adapt to changing needs. As a result, the use determines the lifespan of a building and not the other way around.

If time and duration are understood as decisive factors in sustainable architecture, this requires a change in approach. This is examined in the publication.

Ticino is an ideal area for research issues that affect Switzerland and Europe as a whole, as it is particularly affected by these changes. It has a unique microclimate, a widespread infrastructure network, access to construction and energy resources, diverse migration flows, and a rich cultural heritage.

Over the course of three semesters, students at ETH Zurich developed projects with different time horizons – from temporary, circular to permanent – that address central aspects of the Ticino territory: climate change, an aging demographic, and resource use. In doing so, they open up new strategies for dealing with architectural transformation processes.

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At a fundamental level, the publication understands change as a constitutive element of resilience, documenting the projects comprehensively with plans, construction details, architectural models, artistic images and collages. This effectively illustrates not only the specific projects but also their underlying design ideas and highlights how the narrative is key to communicating new strategies.

## About the editors

The six authors work at the Chair of Elli Mosayebi at ETH Zurich while also pursuing their own projects:

Elli Mosayebi is a partner at EMI Architekt\*innen.

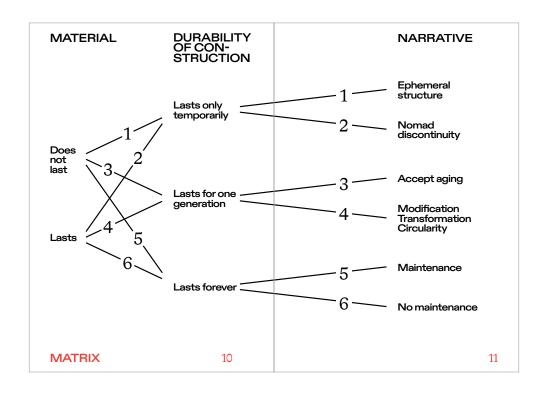
**Violeta Burckhardt** has her own landscape architecture firm studio erde.

Julian Meier also has his own architecture studio.

**Matthew Phillips** heads the interdisciplinary studio HSZJN398.

**Nelly Pilz** and her firm studiopilz work on projects at the interface between architecture and art.

**Franziska Singer** has her own firm with a special focus on transformation.



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## 2.NOMAD DISCONTINUITY





- the construction is only temporary
- → living like nomads

The most radical way to minimize our ecological footprint is to eliminate permanent lodging. Instead, individuals remain in continuous movement, carrying only the essentials. Their migrations align with seasonal rhythms, shifting between summer and winter quarters in response to environmental conditions.

## 3.ACCEPT AGING





- the construction only lasts for one generation
- → aging and decay are accepted

Architecture is an unstable assemblage of materials (Ákos Moravánszky), bound for a certain period of time. Without maintenance and renewal, every building is exposed to the forces of nature and will eventually deteriorate. What if deterioration is an integral part of the architectural intention? How do we plan deterioration?

12

### 4. MODIFICATION, TRANSFORMATION, CIRCULARITY





- the construction lasts only one generation
- → the transformation of the building and the circularity of the components are part of the architectural project

Until the mid-20th century, the paradigm was to extend the service life of buildings. According to Uta Hassler, early concepts of prefabrication took into account the ability to dismantle and reuse building components, thus emphasizing physical permanence (Hassler 2011). The idea of buildings as repositories of materials is not new; historically, it has been driven by economic considerations and resource efficiency

This narrative follows a simple principle: one house build for one generation! Since the longevity of construction methods often falls short of the durability of the materials them-selves, projects are created as tailored responses to transient needs. In this view, buildings become provisional constella-tions in an ongoing cycle of disassembly and recomposition.

### 5. MAINTENCANCE





- the construction lasts forever

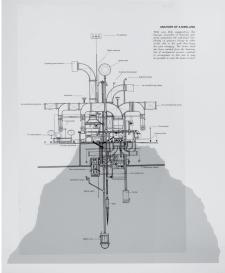
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WEATHER AS AN EVENT. STABLE ARCHITECTURE IN UNSTABLE ENVIRONMENTS



The following projects – Wind Catchers, La Cristallina, Hydria, Moor is More and A Fish Odyssey – synthesize the evolution-ary concept of adaptation with a nuanced understanding of weather and climate. From the peaks of the Alps to the basins of Tictino slakes, the territory is changed winding through from the sky and car-diated by descending from the sky and car-winding through rivers and plunging into the projects as both a material resource and a dynamic agent of transformation. Within this kinetic landscape, architecture becomes an adaptive force – rooted not only in the cul-tural and geographical specificity of the

Ticino region, but also in the anticipatory response to impending climate extremes. These projects engage with architecture's potential for resilience and fluidity, emerging as structures in a constant state of flux. They envision possible futures and function as experimental sites for speculative research.





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Drought (Hydrant)

The Hydria project by Oscar Lussi and Jan Zimmermann also responds to extreme conditions to address issues of water supply and demand. During the summer months in Ticlino, as temperatures as the control of the co

countered by the drought conditions in the late winter and early summer months, when forest fires are most likely to occur. The discrepancy between water resources and the lack of infrastructure to reach these remote forest regions makes emergency response particularly challenging, which is the property of the proper



**HYDRIA** 

Slow Rivers)

The canton of Ticino is renowned for its microclimate, Mediterranean weather and dramatic rainfall patterns. These episodes occur briefly yet intensely during the late summer and autumn months, when the mountains release torrents of rainwater, rejuvenating the valleys below. While prolonged periods of continuous rainfall extend into early winter, the erraite and sudden summer downpouts post. The continuous rainfall extend into the valley, feeding the southern lakes. However dire predictions of intensified rainfall patterns are raising concerns over heightened flood risks bringing Ticino's robust water infrastructure to a critical tipping point. This is due to rising atmospheric temperatures and the sealating levels of moisture evaporating from nearly water bodies – a specorating from nearly

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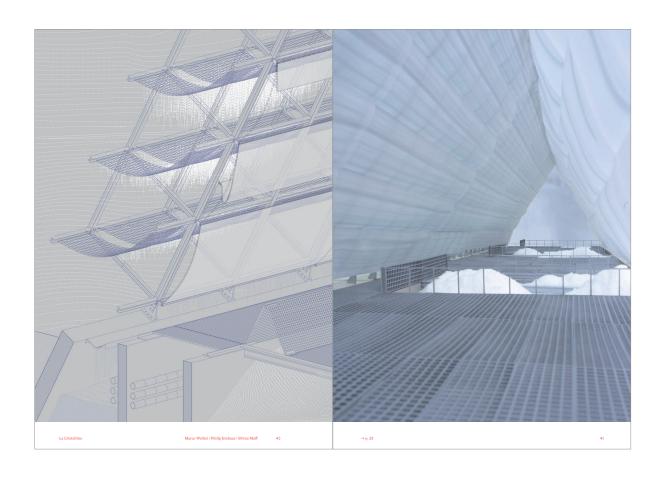
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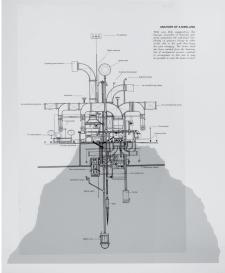
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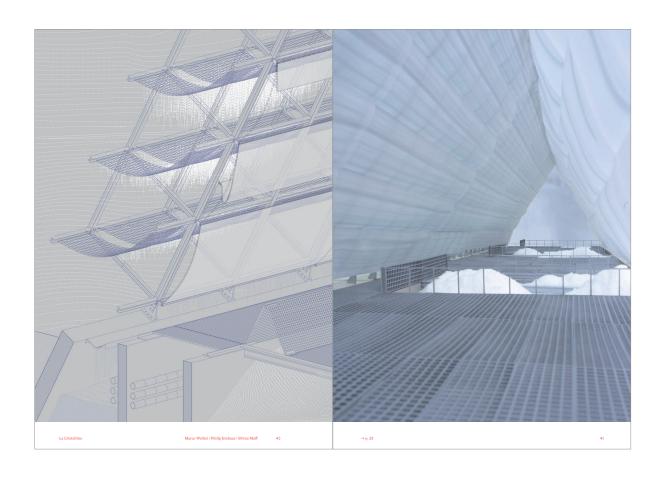
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# **BETWEEN** orotound DET VVEEN GROWTH AND invals SHRINKAGE els. no gof the THE DISCOVERY OF CIRCULARITY

how circular systems can contribute to re-storing abandoned agricultural properties as material cultural heritage and to com-municating their historical significance to the general public. For the 15th-centu-ry Masseria di Vigino in the Mardrisiotto-region—a heritage-listed building at immi-nent risk of collapse—this case study pro-poses a phased restoration concept aimed at raising public awareness.

Metal scaffolding supports the dilap-sidated exterior walls, allowing the entire estate complex to be wrapped in an ar-chitectural textile. This outer skin makes the metamorphosis of the cultural asset visible prima rail. In this way, a tempo-terior than the state of the cultural safety with the control of the cultural asset visible grown after in the state of the cultural visible grown after in the state of the cultural visible grown after in the state of the cultural asset the metamorphosis of the cultural asset the metamorphosis of the cultural asset the cultural visible grown after the cultural asset the cultural visible grown after the cultural asset the cultural asset the cultural asset of the cultural asset of the comprehensive restoration and at the same time serves as a place for commu-

nication and educational outreach. In the first phase of the restoration, sleeping compartments made of felt are suspended inside several scarfolding towers to serve as rooms of a hostel. Since the construction site is also simbalized, anyone who is interested can watch and learn how the ruins are gradually transformed into a living historical monument for the Future. The public, the boad-bearing structure is reinforced, the roof is replaced, wood-bear mount of the property of the property

New Infrastructures and Demographic Change

New Infrastructures and Demographic Change The Completion of the Gotthard Base Tunnel in 2020 provided another boost to development. Train travel time between Zurich and Bellinzona has been reduced to less than 100 minutes. The canton's public transportation system has been further expanded and optimized. Bellinzona's importance as the gateway to Ticino and as the bub of the efficient Cital Ticino and as the bub of the efficient Cital Ticino transport tance as the gateway to Ticino and as the bub of the efficient Cital Ticino transport and the complete the c



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Quarries in Switzerland:
Stone in Abundance

Until the 19th century, natural stone in Switzerland was mainly quarried locallly, often by hand, using simple, laborious control of the co

LA PERMANENZA COME CONTENITORE DEL CAMBIAMENTO

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rior quality or size that is not ordinarily used. Cutting with a diamond wire saw is more precise and therefore saves material. The process involves wrapping a diamond-studded wire around the rock and rotting it continuously to cut the rock, applying water as a coolant. The technique for drilling and splitting involves drilling holes into the rock and then inserting splitting wedges into the holes. Manual, hydraulic or pneumatic pressure is used to split the blocks of stone along a natural fracture line.

An example of the latter extraction method can be seen at Cava Boschetto in

Cevio. The Maggia gneiss quarried there is characterized by its good fissility, so the slabs are often used with a raw spilit finish. Since the quarry is expected to close in the next ten years due to the expiration of its fine to the capture of the content of the content to the content of the content to the content to the content of the content to the content of the content of the content to the content of the content of

Tectonic Opulence

The use of natural stone as a loadbearing construction material requires 
specific consideration not only of the maerial flow, but also the stone's material 
properties. Its formation and the associatout a stratification in the mountain opens up 
a specific range of possibilities for its use 
in the building: It determines the shapes 
and sizes that can be quarried, the possibilities for joining (friction, insertion, 
stacking, wedging) and the bedding plane 
orientation of the various stones and rock 
types. The tectonics of the mountain are 
directly translated into the structure of the 
building: The mountain is the basis for the 
size and workability of the rough blocks; 
their original position in the mountain 
determines their compressive strength in 
three-dimensional space.



