

**POLITECNICO  
MILANO 1863**

DIPARTIMENTO DI ARCHITETTURA  
E STUDI URBANI



**DIPARTIMENTO  
D'ECCELLENZA**  
FRAGILITÀ TERRITORIALI  
2023-2027

**M—US—T**  
**Master in**  
**Temporary**  
**Uses**

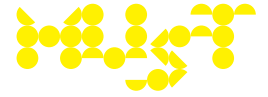
**First and Second Level**  
**Master's Course**  
**Politecnico di Milano**  
**May 2024—May 2025**

Edited by:



Management by:





HOW TO ACTIVATE  
TEMPORARY REUSE  
PROJECTS OF ABANDONED  
SPACES?

HOW TO ACCOMPANY OVER  
TIME LONG AND UNCERTAIN  
REGENERATION PROCESSES  
OF LARGE URBAN AREAS  
WITH TEMPORARY AND  
INCLUSIVE USES?

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HOW TO TEMPORARILY  
ACTIVATE NEW IMAGINARIES  
AND TEST MODES OF  
USE IN PUBLIC SPACE OR  
BUILD LANDSCAPES WITH  
COMMUNITIES THROUGH  
TEMPORARY USES?

HOW TO DESIGN QUALITY  
TEMPORARY SOLUTIONS IN  
POST-DISASTER "IN-  
BETWEEN" SITUATIONS OR  
HOW TO DESIGN TEMPORARY  
EVENTS AND EVALUATE THEIR  
EFFECTS?



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# DIRECTORS, SCIENTIFIC COMMITTEE AND FACULTY

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## DIRECTORS

**Antonella Bruzzese**, DASTU Politecnico di Milano, director

**Isabella Inti**, DASTU Politecnico di Milano, temporiuso,  
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**Rozafa Basha**, University of Prishtina "Hasan Prishtina"(RKS)

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**Andrea Gritti**, DASTU Politecnico di Milano

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**Davide Ponzini**, DASTU Politecnico di Milano

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ASF Architetti Senza Frontiere Italia

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**Ezio Micelli**, dir. Master U-RISE IUAV Venezia

**Andrea Minetto**, cultural manager and advisor

**Ippolito Pestellini**, 2050+ agency

**Chiara Quinzii e Diego Terna**, QTA Quinzii Terna architecture

**Fabio Renzi**, Fondazione Symbola

**Filippo Romano**, photographer, Master fotografia IUAV

**Sebastian Schlecht**, architekt AKNW, lala.ruhr (D)

**Demetrio Scopelliti**, AMAT Comune di Milano

**Marco Tortoioli Ricci**, ISIA Urbino

## MANAGEMENT

**Consorzio Poliedra** – Politecnico di Milano



# PROJECT DESCRIPTION AND EDUCATIONAL GOAL

**M-US-T Master in Temporary Uses is an advanced postgraduate course on temporary uses** at the Politecnico di Milano. Within a wide range of declinations, it addresses the planning, design, implementation, and management of temporary uses as **valuable tools to support processes, projects and strategies for urban and territorial transformations at different scales.**

The Master aims to respond to the demand for tools and skills for temporary uses from several urban actors, such as public administrations, real estate developers, citizens' associations, activists, placemakers, and those involved in territorial animation

**Adaptability, flexibility, transformations by phases, or temporary uses** belong to different disciplinary traditions - such as "open" planning, landscape urbanism, or tactical urbanism. It also belongs to widespread practices and forms of intervention in situations such as post-disaster housing emergencies or the significant events of infrastructure and architecture realization. A wide variety of urban actors increasingly address complex, urgent, and often change-resistant urban problems with temporary interventions to pursue different goals: to reuse abandoned spaces, to respond to emergencies, to test various functions and experiment with alternatives, and to accompany processes.

**To do so effectively, consciously, and appropriately, diverse and multidisciplinary skills are needed:** competencies in the territorial investigation, community, and stakeholder analysis, the ability to set intervention strategies and tactics, or to design site-specific and adaptable projects for unforeseen uses. M-US-T Master's in Temporary Uses, trains experts in temporary uses, providing the appropriate skills to the new professionals.

potential jobs

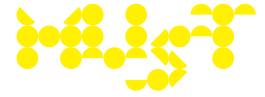
# NEW JOB OPPORTUNITIES

10

M-US-T aims at spreading and consolidating among **professionals, new graduates, managers, and municipal technicians** belonging to different planning and land management disciplines, the culture of temporary uses. It offers high technical specialization to design them in the way most appropriate to the context, with reference to the thematic modules addressed by the Master.

Through the acquisition of the skills provided by the Master's course, manifold professional profiles will be outlined or redefined, such as: **reuse agents, experts, designers, activators, and managers of temporary uses** in the different cases delineated (reuse of abandoned buildings and residual spaces, large urban projects, landscape, public space, post-disaster, big events).

These professional profiles may find occupation within: **public administrations at different levels, third sector, NGOs and agencies, companies, and real estate; or in companies dealing with community animation and activation**; or as consultants in public entities and private subjects; or in socio-cultural entrepreneurship or placemaking contexts of various kinds. The Master will also explore the theme of drawing up calls for tenders as a tool to develop self-promotion and new entrepreneurship and will build several opportunities to meet with numerous actors active in the field of study. In order to foster suitable job opportunities, Master's participants will also be placed as trainees in organizations, institutions, bodies, and companies dealing with regeneration projects, policies, and programs with temporary uses.



# EDUCATIONAL METHOD

The Master is organized into three parts, subdivided into six modules, each of them facing the design of temporary uses in relation to: **the reuse of residual buildings and spaces; the large urban projects; the regeneration of landscape and public space; post-disaster situations and urban transformations due to big events.**

The main training objectives of the Master's course are: to **learn** about the different declinations of temporary uses; how to critically **evaluate** situations and contexts in which it is valuable and appropriate to proceed with temporary uses; to have the basic skills to **initiate temporary use projects**. This will be done through various activities (lectures and discussions, exercises and individual study). Particular emphasis will be placed on visits and meetings with professionals, organizations, and territorial realities that experiment with temporary uses; and on the workshop and the internship that will be held and will allow to have a design and implementation experience or in-depth study at institutions, professional studios, private companies, associations and NGOs in the forms to be defined.

The master includes a maximum of **25 students, 1500 hours** of lectures and activities for **60 cfu/ects** spread over **13 months**.

Activities include:

- a public **kick-off seminar** (May 2024)
- **lectures and discussions**, exercises, visits and meetings with territorial entities and realities and professionals working with temporary uses (2 and 1/2 days per week, May- July and September -November)
- a **realization workshop** (July 2024)
- an **internship** (between June 2024 and April 2025)
- a **final paper** with public presentation and discussion (May 2025)

the network

# PARTNERS, SPONSORS AND THEIR ROLES

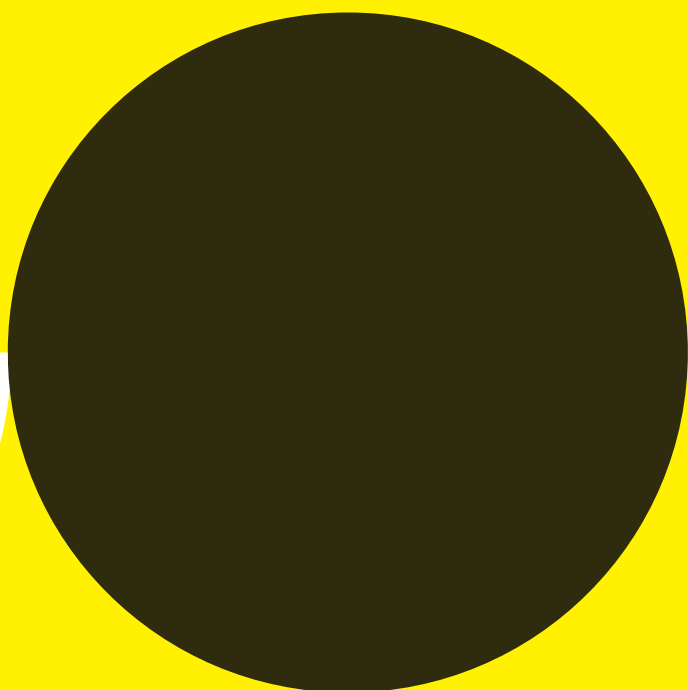
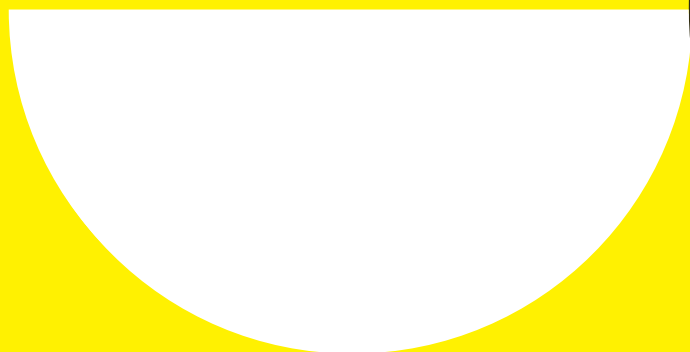
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The Master's program will allow **the meeting and the discussion with institutions, companies, and the world of professions.**

The M-US-T's partners or sponsors will play different roles aimed to:

- establish a **network of expert referents** on the topic (other universities, research centers, foundations);
- be **interlocutors on projects, processes, and policies** dealing with temporary uses (entities and institutions interested in the topic and sponsoring the Master's program);
- propose **cases and projects to observe in progress** and/or offer themselves as case studies on which to build a dialogue (local authorities, developers);
- support the Master with **internships** (local authorities, developers, professional firms);
- support the Master with **sponsorships and scholarships** for internal staff and/or deserving participants (local authorities, developers, professional firms)

# THEMES AND MODULES







# M-US-T IS DIVIDED IN 3 PARTS AND DEVELOPED INTO 6 MODULES AND 1 WORKSHOP

M-US-T is divided into **three parts and developed into six modules and a workshop**. Each module addresses the design, planning, implementation, and management of temporary uses

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## Part 1

- 1a. Temporary reuse of abandoned and underused spaces
- 1b. Major urban transformation projects and temporary uses

## Part 2

- 2.a Landscape and temporary uses  
Landscape workshop
- 2.b Forms of temporary activation of public spaces

## Part 3

- 3a. Post-disaster temporary neighborhoods, architecture and infrastructures
- 3b. Temporary neighborhoods, architecture and infrastructure for major events

The master's program will use **various teaching forms: lectures and discussions, exercises and individual study; visits and meetings** with professionals, organizations, and territorial realities that experiment with temporary uses; a **realization workshop** will allow a design and implementation experience. Several **international guests will offer keynote lectures** and be available to dialogue with students. Participation in classroom discussions and debates will be part of the course offerings. After each module, students will be required to submit a short paper that will be evaluated along with the final thesis, which may consist of a critical evaluation of a case study or a project proposal, depending on the students' profiles and interests. **Internships** with organizations, professional studios, private companies, agencies, and companies dealing with temporary uses will complete the educational offerings.

Part 1, module 1a

# TEMPORARY REUSE OF ABANDONED AND UNDERUSED SPACES

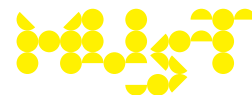
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What is temporary reuse?  
When did this practice originate?  
How to activate temporary reuse  
projects?  
What rules and models to follow?

part 1  
module 1a  
may 2024

Module 1a, through lectures and case studies of successful international and Italian projects, will illustrate practices of temporary reuse that are becoming established and also bring out critical issues and new challenges. It will present the **Manifesto for Temporary Reuse** and a **temporary reuse diagram** highlighting and intersecting the **types of abandoned and underutilized spaces (supply)**, the **short and long timeframes of reuse cycles**, and the **populations using the spaces (demand)**.

The teachings of **Module 1a** will cover: Temporary reuse practices and tools, international and Italian case studies, visits and meetings with stakeholders; **Mapping of abandoned and underutilized spaces** and the taxonomy of abandonment to learn about the different types of a potential offer; the **Mapping of populations, stakeholders and groups of interest** that could then use the spaces; the **Re-cycles of life** to be reintegrated with reuse timeframes linked to site-specific needs; the **levels of temporary infrastructure and architecture** to be able to re-inhabit places long abandoned or left unfinished; the start-up and **project quality indicators** (business plan, set-up, common rules) for access and sharing of spaces; up to the possible **public policies for temporary reuse** to consolidate and renew these practices. Meeting national experts and international protagonists in the classroom and visiting some successful temporary reuse projects in Italy will be organized.



Part 1, module 1a

## TEMPORARY REUSE OF ABANDONED AND UNDERUSED SPACES



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**Giulia Cantaluppi**  
Temporiuso

part 1  
module 1a  
may 2024

## parte 1

# MANUALE PER IL RIUSO TEMPORANEO

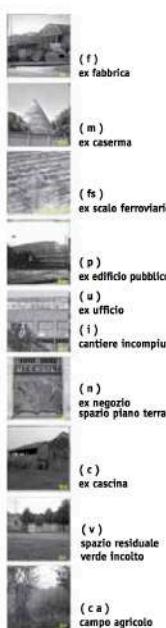
Riattivare uno spazio in abbandono in 7 mosse

Che cos'è il riuso temporaneo? Quando nasce questa pratica? Come attivare progetti di riuso temporaneo? Quali regole e modelli seguire?

Questo manuale è nato da un'idea semplice, quella di fornire un libro che presenti i temi più importanti legati al riuso temporaneo di spazi in abbandono, affinché utilizzatori di diverse discipline se ne possano appropriare per affrontare nuovi progetti. "Enchiridion" la parola greca per "manuale" significa un oggetto da tenere a portata di mano e con questo auspicio abbiamo costruito un percorso che si articola in 7 mosse.

La mappatura e la tassonomia degli spazi vuoti per conoscere le diverse tipologie di una potenziale offerta; la mappatura delle popolazioni che potrebbero poi fruire degli spazi; i nuovi cicli di vita da reinserire con tempi di riuso legati a esigenze *site-specific*; i livelli di architettura e infrastrutture primarie per poter riabitare dei luoghi per lungo tempo abbandonati o rimasti incompiuti; le regole per l'accesso e la condivisione degli spazi; fino alle possibili politiche pubbliche per consolidare e rinnovare queste pratiche.

OFFERTA  
parti di città  
dismesse

OFFERTA  
spazi urbani  
dismessi

TEMPI  
cicli di riuso  
temporaneo

- 1 giorno/ 10 giorni  
(evento, turismo)
- 9 mesi  
(lavoro, studio)
- 18 mesi  
(lavoro, associazionismo)
- 3 anni + rinnovo  
(associazionismo, start-up impresa)
- 5 anni + rinnovo  
(artigianato, fab-lab, start-up impresa)

REGOLE  
d'uso  
temporaneo

- Comodato d'uso temporaneo per associazioni
- Comodato d'uso temporaneo per laboratori e piccole imprese
- Comodato d'uso temporaneo per abitazioni (studentato, residenza artistica)
- Concessione in uso temporaneo per installazioni e performance (pranzi pubblici, land-art, ostello designers)

LIVELLI  
di infrastrutture  
e architetture  
temporanee

PROCESSI  
di trasformazione  
urbana

- MONUMENTALIZZAZIONE
- FONDAZIONE
- METAMORFOSI
- COESISTENZA
- EMERGENZA

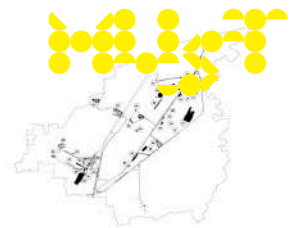
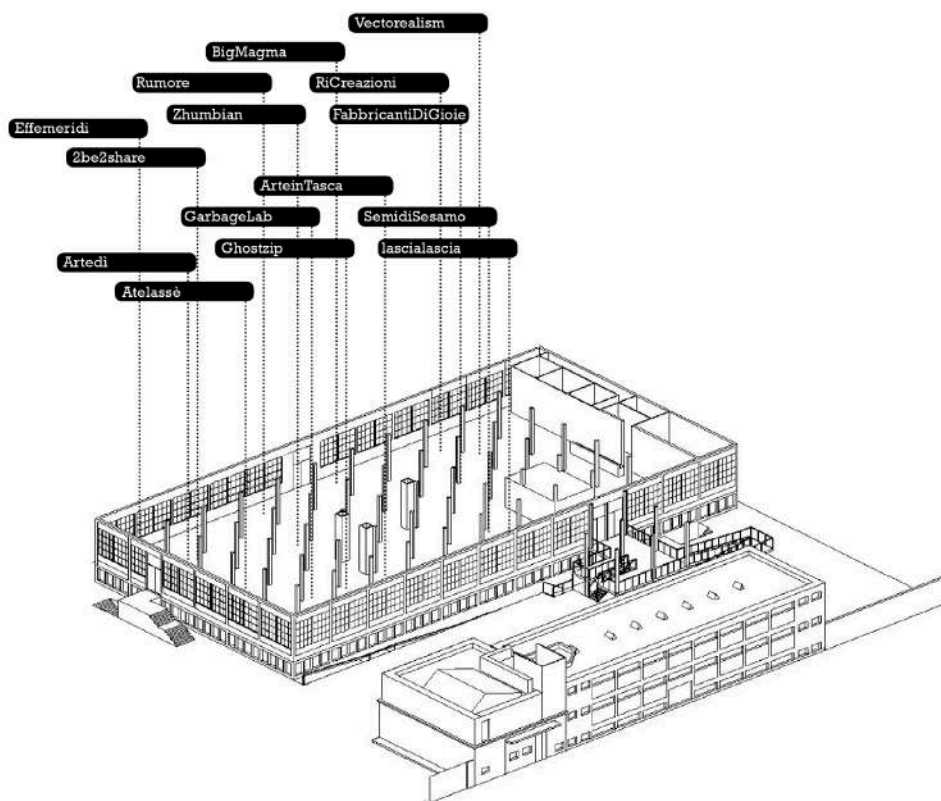
DOMANDA  
popolazioni  
temporanee/  
USUFRUTTUARI

ATTORI  
riuso  
temporaneo/  
FIGURE  
PROFESSIONALI

- PROPRIETARIO
- AGENTE DEL RIUSO
- TECNICO COMUNALE DEL RIUSO
- EVENT PLANNER
- MAP COMMUNICATION
- RICERCATORE-ATTIVISTA
- ARCHITETTO DIY
- GESTORE
- COMUNITÀ DI CURA
- SOCIAL MEDIA MANAGER

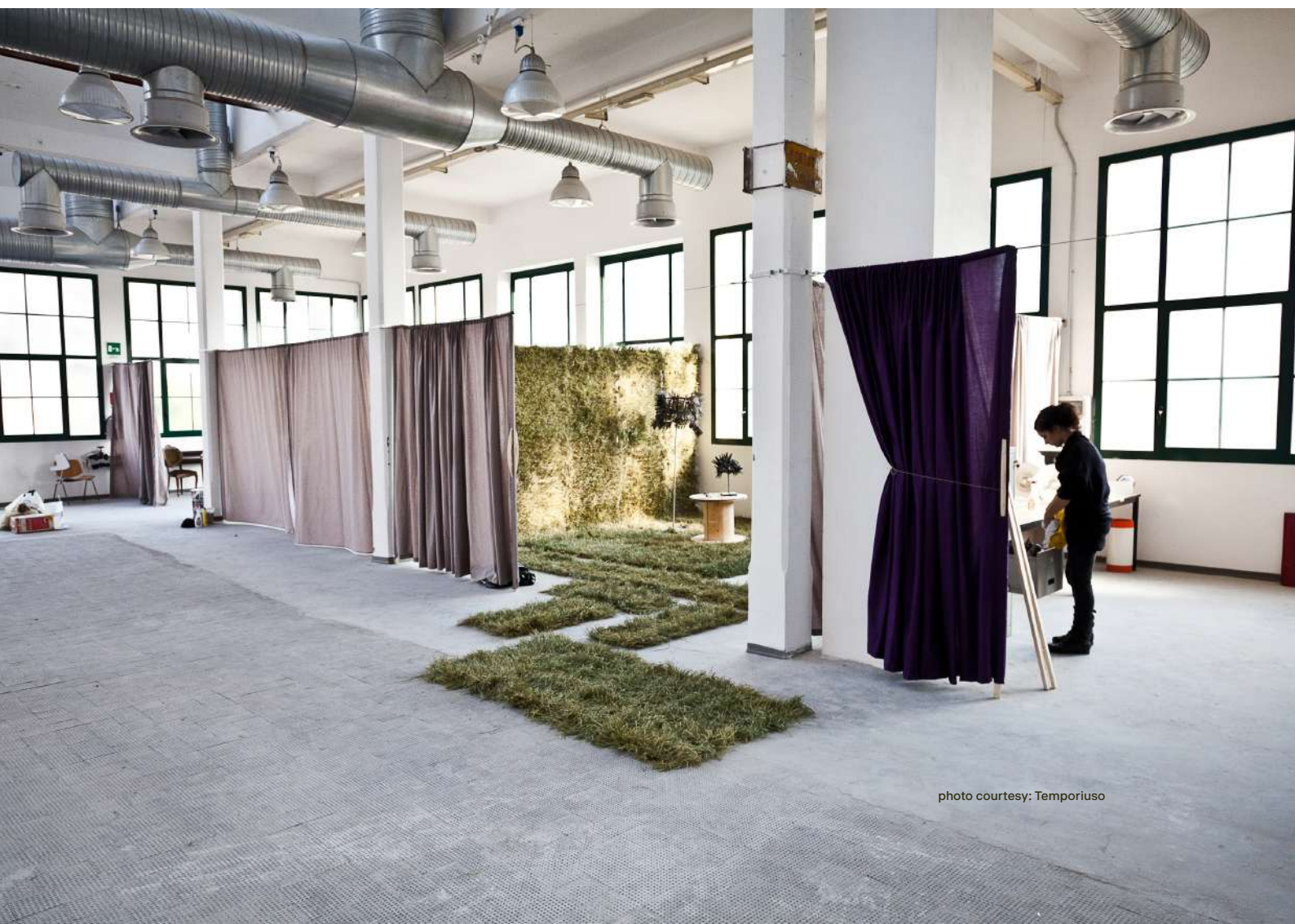
POLITICHE  
di riuso  
temporaneo

- Tavola rotonda annuale tra proprietà, istituzioni pubbliche e associazioni
- Concorsi nazionali e internazionali di idee per riuso temporaneo
- Bandi /Inviti alla creatività per assegnazione spazi
- Sportello pubblico riuso temporaneo per assegnazione spazi
- Agenzia Riuso temporaneo per assegnazione spazi



#### MADE IN MAGE

Artedi  
 Atelassò  
 ArteinTasca  
 BigMagma  
 Effemeridi  
 FabbricantiDiGioie  
 GarbageLab  
 Ghostzip  
 lascia la scia  
 RiCreazioni  
 Rumore  
 Semi di Sesamo  
 Vectorealism  
 Zhumbian  
 2be2share







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photo courtesy above: Superuse Studios;

photo courtesy below: Bureau Broedplaatsen Amsterdam

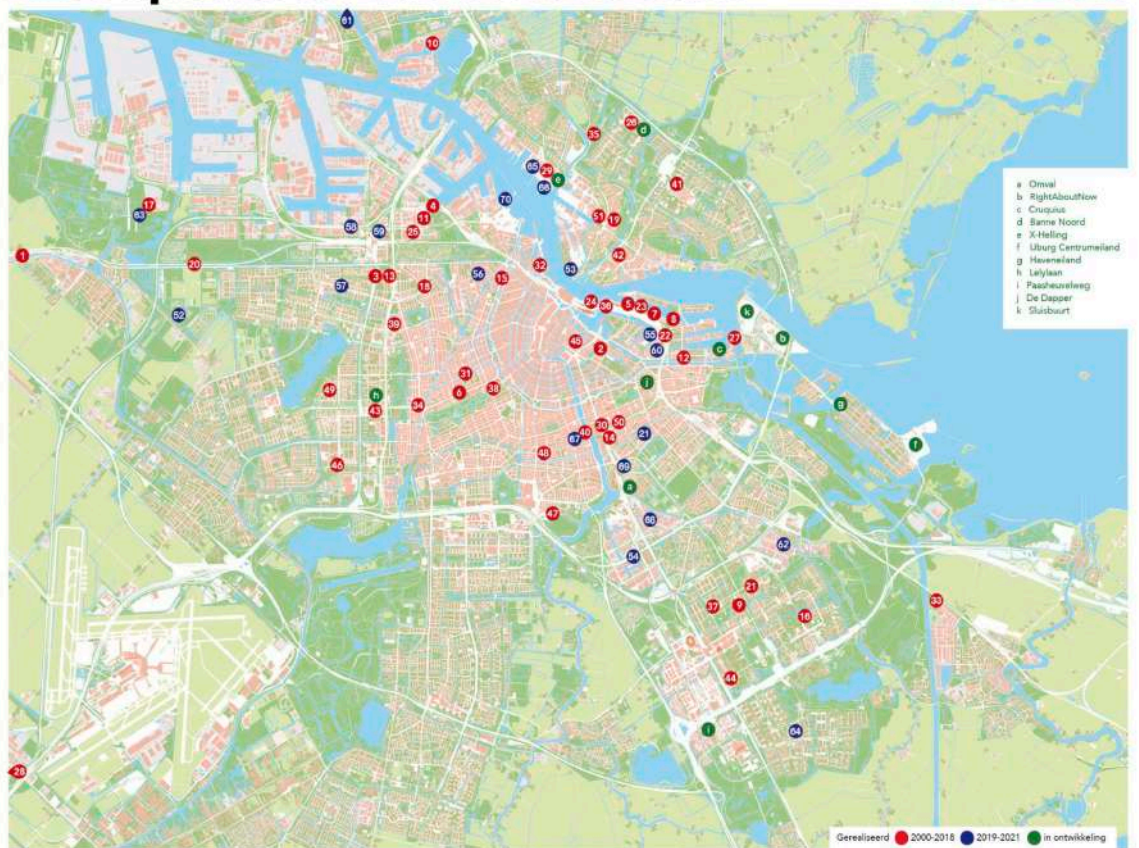
[www.amsterdam.nl/broedplaatsen](http://www.amsterdam.nl/broedplaatsen)



## Broedplaatsen van Amsterdam

2000-2021

- 1 Bogota
- 2 Plantage Dok
- 3 BOW
- 4 Contact
- 5 Palhaus Wilhelmina
- 6 OT201
- 7 Costa Rica
- 8 Quarantainegebouw
- 9 Flat Florijn
- 10 De Hoop
- 11 Xpostron
- 12 P/////AKT
- 13 WDW
- 14 Marc Paris
- 15 De Wittenplaats
- 16 Krutberg
- 17 De Heming
- 18 Forum Muziek
- 19 De Ubband
- 20 De 1800 Roeden
- 21 Echtenstein
- 22 Petersburg
- 23 Palhaus de Zwager
- 24 Oud Nico
- 25 ISO
- 26 Rietveld
- 27 Fort Knox
- 28 GindS
- 29 NDSM
- 30 VKS
- 31 Lab 111
- 32 Westendok
- 33 Het Domp
- 34 SUP
- 35 Concertgebouw
- 36 Mediamatic
- 37 Wijk 7
- 38 Vondelunker
- 39 LTS
- 40 Cinetel
- 41 Modemaat 2.0
- 42 Muziekstraat
- 43 Lely
- 44 Heesterveld
- 45 Splendor
- 46 ACTA
- 47 Old School
- 48 Lissy
- 49 HW10
- 50 Tugela55
- 51 De Gevel
- 52 Luikemeerweg
- 53 A Lab
- 54 Amstel BusinessPark Zuid
- 55 VWO
- 56 Kempenaerstudio's
- 57 De Vlucht
- 58 De Slout
- 59 Lycka
- 60 Remise
- 61 Hellema
- 62 Stuart
- 63 Biotoop
- 64 Kazerne Rengersbos
- 65 Treehouse
- 66 MACA
- 67 Tempel
- 68 Dapsendorp
- 69 Amstelation Blok B & C
- 70 Bonte Zwaan



# MAJOR URBAN TRANSFORMATION PROJECTS AND TEMPORARY USES

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**In contexts of political, economic, social, environmental, and post-pandemic uncertainty, can temporary uses help design major urban and territorial transformation projects?**

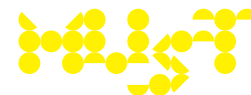
**How do they accompany longterm regeneration processes and major urban transformation projects?**

**Can they activate new imaginaries and test or anticipate uses and vocations that, if confirmed, become part of functional master plan programs?**

Part 1  
Module 1b  
June 2024

Temporary uses can help test and correct *in itinere* the project and accompany the different phases of a long-term masterplan. To do this most effectively new professionals are needed, such as community and territorial animators, "event planners" or "placemakers," and site-specific designers of adaptable and flexible spaces for different temporary uses.

Who are and how do different actors interact, conflict, and cooperate in major urban transformation projects? The economic value of temporary uses is now recognized by public and private actors (according to classical economics, the decrease or cancellation of land and property values of rents are compensated by new social capital and territorial branding), all the more reason why, context-aware and sensitive



professionals are needed to create community value, first, and then new asset values.

Part 1  
Module 1b  
**June 2024**

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**Module 1b** will allow to meet operators, investors, public administration, and planners, with visits and seminars dedicated to large transformations ongoing in Milan – such as FS Scali Milano, Hines, Nhood, Redo sgr - and Italy, that are experimenting with attention to adaptability, flexibility, inclusion, and urban landscape transformation by phases. The teachings of the module will cover practices and **tools of “Open urbanism”**; new skills and professional profiles for the **design of spaces for temporary uses**; new skills for the **planning and management of temporary uses**; presentation, case analysis, visits and seminars dedicated to large areas in transformation.



**Antonella Bruzzese**, DASTU Politecnico di Milano,  
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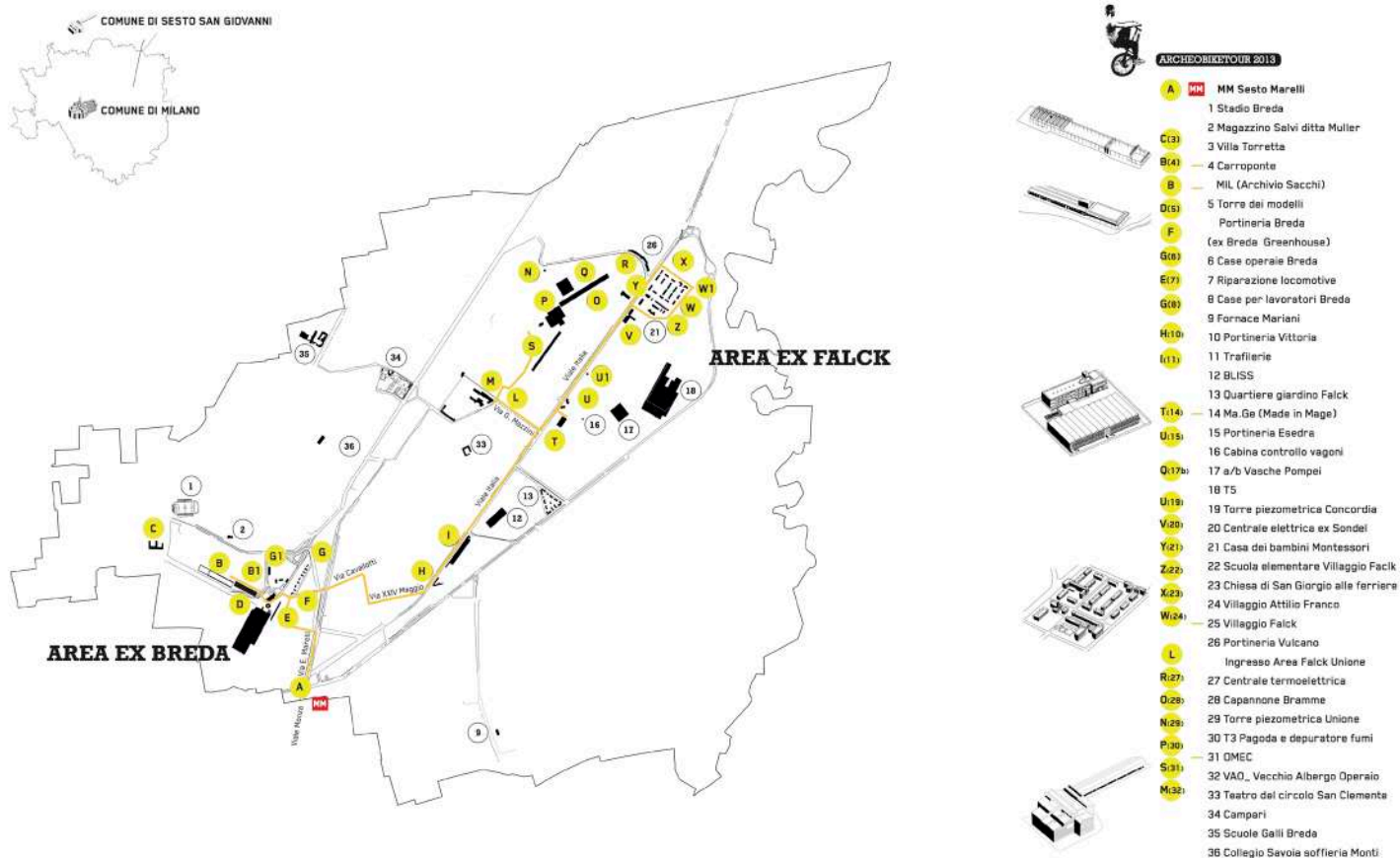


**Ezio Micelli**,  
Dir. Master U-RISE, IUAV Venezia





photo courtesy: Temporiuso



a cura di:

parte del progetto:

con il sostegno di:

in collaborazione con:



# Parco Farini

## M-US-T Master in Temporary Uses



### La scala del vuoto

Un vuoto continuo nel settore nord occidentale di Milano, eccezionale nelle dimensioni e regolare nella forma, si costituisce come primo segmento fondativo di un sistema più ampio e articolato di spazi pubblici alla scala metropolitana.



### Il tessuto della città ordinaria

A ridosso del grande vuoto lo scalo si completa con le orditure e le dimensioni dei quartieri adiacenti annullando il confine tra progetto e città esistente.



### La centralità locali

All'interno dell'impianto regolare di progetto una costellazione eterogenea di spazi pubblici riproduce la metrica delle centralità locali nella città ordinaria.



### L'occasione delle permanenze

Le strutture esistenti, tutte preservate e riutilizzate dal progetto, aggiungono varietà tipologica e dimensionale al quartiere e divengono emergenze e impreviste occasioni spaziali.



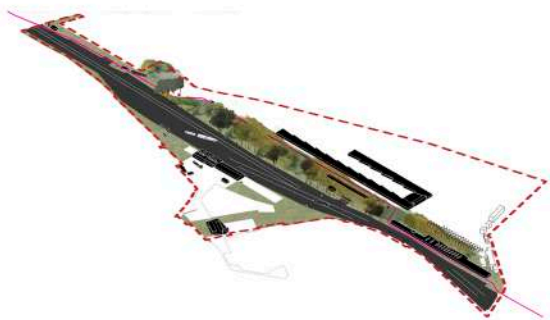
photo courtesy: OMA, Laboratorio Permanente and Temporiuso



Fase 2

Fase 1

Fase 3



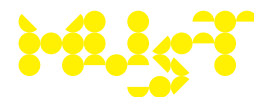


photo courtesy: REDO sgr

# LANDSCAPE AND TEMPORARY USES

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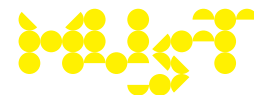
How do the design disciplines - architecture, urban planning and landscape architecture - manage the dynamic transformations of the landscape, especially concerning the environmental and territorial fragilities of many areas, the natural ones up to the polluted brownfields, mining, and infrastructural divestment?

Parte 2  
Module 2a  
July 2024

Thanks to competitions of ideas for the redevelopment of fragile areas or the planning of major events in the landscape, since the 1990s, new actors and professional figures, such as landscape architects, ecologists, communicators, and activists, have developed the idea that the landscape can be an infrastructure that intersects, shapes and metabolizes different systems, and reorganizes them by making them adaptable over time to economic, political, social and environmental uncertainties.

**Landscape Urbanism**, in particular, outlines ways and forms of landscape planning with projects capable of adapting, shaping, and recreating urban ecologies over time.

**Module 2a** will address temporary uses in relation to landscape design according to three families of interventions: **temporary interventions in the landscape** as anticipation of new scenarios and modes of use (from the tradition of German temporary gardens to landscape reclamation projects for phases of industrial sites, military areas, and landfills); the second family will look at **temporary art installations and infrastructures in the landscape** that reinvent its imagery, resignify it, and often recreate unexpected effects.



The third family/one concerns **temporary events in the landscape** (concerts, festivals, religious processions . .), their dimensions, impacts, and forms of reversibility.

Parte 2  
Module 2a  
**July 2024**

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Harvard University (USA)



**Antonio Longo**,  
DASTU, Politecnico di Milano



**Matthias Armengaud**, ENSA - Ecole Nationale  
Supérieure d'Architecture Versailles, AWP office (F)



**Fosbury Architecture**, architetti

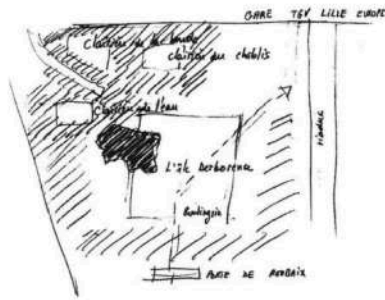


**Francesco Careri**, Università Roma Tre, Stalker/



**Sebastian Schlecht**, architekt AKNW, lala.ruhr (D)

30



Parc  
Henri Matisse | Lille, (F)



MANIFESTE  
DU TIERS PAYSAGE



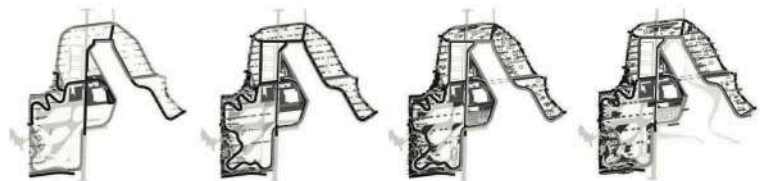
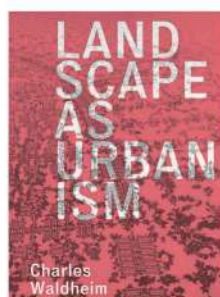
Gilles Clément

1990

2001

LANDSCAPE  
AS URBANISM

Downsview Park | Toronto, (CDN)



Charles Waldheim





Part 2

# LANDSCAPE WORKSHOP

32

## Among the different didactic forms, the Master's program includes a "realization" workshop.

Part 2  
Workshop  
July 2024

The workshop will be in Italy, in a location characterized by disused and abandoned sites where to develop projects, temporary uses, and site-specific installations in collaboration with cultural associations, NGOs, agencies, and local communities.

We will pay attention to local material and immaterial memory and the value of reuse cycles of materials at the basis of the circular economy that imposes on us the ecological transition needed by our planet; the challenge will be **to develop self-construction temporary projects** - multidisciplinary architectural, infrastructural and artistic experimentations and productions - **to generate processes of permanent valorization and re-signification and positive social and cultural impacts**. Self-construction of temporary structures in the landscape is an architectural design tool created to solve local communities' problems with participatory and shared projects. Thus, the objective of the implementation workshop will be to develop skills to respond with site-specific temporary projects to different contexts of redefining spaces for public use, living, and play.

The workshop will provide lectures about direct knowledge of local material and intangible memory, techniques of self-construction and cycles of reuse of materials, and examples of projects in the self-construction of temporary structures in the landscape. The practical part will be conducted in collaboration with professional firms, collectives, or associations team leaders of temporary uses projects and abandoned site regeneration. For example, Argentiera, a former mining village in northern Sardinia, the depopulated town of Badolato (CZ), or even inland areas such as the Ligurian Alps in Garesio. One of the sites will be chosen as the base of operations for a week, a boundless open-air experimental field where the experience will be shared.



**Stefan Tischer,**

DADU, Università degli Studi di Sassari; Landworks;  
Harvard University (USA)



**Andrea Maspero e Paola Serritu,** Landworks





photo courtesy: Landworks

# FORMS OF TEMPORARY ACTIVATION OF PUBLIC SPACES

36

**Can the project of a public space be a device for activating social relations?**

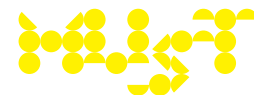
**And, conversely, can the activities and initiatives in public space contribute to its design?**

**Which devices make it possible to experiment with or anticipate new and possible uses in public space? What skills are needed?**

Part 2  
Module 2b  
**September 2024**

By its nature, public space is the scene of heterogeneous, often unpredictable, and temporary uses. Similarly, temporary architecture - from festival displays to construction sites - test public space and its uses. Temporary, reversible interventions allow altering perceptions, enabling different practices, and constructing new meanings in public spaces. Whether in the form of art installations (public art), temporary projects aimed at experimenting (tactical urbanism), socializing or emergency activities in public space (temporary uses and settings for leisure or health emergency as Covid 19), these forms of activation are increasingly recognized as valuable tools for addressing the multiple dimensions of public space, either in terms of opportunities to be enhanced, critical issues to be resolved, or as a tool within a more articulated strategy, or as an unsuspected move.

**Module 2b**, through the illustration of examples and case studies, will illustrate the variety of forms of temporary activation of public space, the actors involved, the effects sought and unexpected, the eventual conflicts, and the potentials and limitations.



Topics covered will include **Tactical Urbanism** practices and tools; Tactical squares: characters, impacts, procedures; **Public art** and the symbolic dimension of activation; **Temporary dehors** and forms of land occupation; **Community gardens** and community engagement; **Events** ("weeks") and widespread **social initiatives** ("PIDS"): characters, impacts, procedures. The module will deal with design, strategic, and procedural dimensions.

Part 2  
Module 2b  
**September 2024**

37



**Antonella Bruzzese**, DASTU Politecnico di Milano,  
Director



**Isabella Inti**, DASTU Politecnico di Milano, temporiuso,  
Co-Director



**Demetrio Scopelliti**,  
AMAT Comune di Milano



**Chiara Quinzii e Diego Terna**,  
QTA QuinziiTerna Architecture



**Francesco Careri**, Università Roma Tre, Stalker/



**Marco Tortoioli Ricci**,  
ISIA Urbino



**Maddalena de Ferrari**  
arch. A12, Università di Genova



**Andrea Minetto**, cultural manager and advisor





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photo courtesy: Annabella Bruzzese

# POST-DISASTER TEMPORARY NEIGHBORHOODS, ARCHITECTURE, AND INFRASTRUCTURES

40

What vision, tools, strategies, and projects do we need to deal with the post-disaster "in-between time" between the emergency phase and the reconstruction phase?

How to design spaces, infrastructures, and new temporary neighborhoods - but lasting months and often years - to ensure housing quality and value to the environmental, social, and cultural components of damaged places? How to involve local populations and govern the different flows - of refugees but also of temporary residents or even tourists - in a new solidarity economy to care for, and manage heritage?

Part 3  
Module 3a  
October 2024



The climate change crisis has made catastrophic phenomena more and more frequent, which we need to learn how to manage at different stages structurally. Paying attention not only to the initial emergency phase, but to the **"in-between time" between emergency and permanence, and equipping ourselves with tools to ensure architectural and urban quality and appropriate attention to local environmental and social contexts.** Dealing with reconstructions that aspire to enhance cities, historic villages, and landscapes, starting from the "common ground" of local people's tangible and intangible heritages, requires addressing many issues, from activating local production chains to the need for collaborative welfare. A complex approach is needed that goes beyond the post-natural disaster reconstruction models (earthquakes, mudslides, landslides, floods) of "where it was, as it was" or "new towns" or "satellite neighborhoods" or "SAE Villages -Emergency Housing Solutions" implemented over the past 60 years...

**Module 3a** will address these issues by covering the following topics: providing an overview of post-disaster reconstruction methods and procedures of public entities and institutions; illustrating examples of projects and strategies for the phases of emergency (emergency shelter), housing transition (temporary housing) and reconstruction (permanent housing), **analyzing best practice cases of post-disaster neighborhoods, architecture and infrastructure in the "in-between time."**

Lectures and seminars will be enriched to the narration of visits and trekking in the "changed lands" accompanied by photographers, writers, cultural associations and local institutions.

Part 3, module 3a

POST-DISASTER TEMPORARY NEIGHBORHOODS,  
ARCHITECTURE, AND INFRASTRUCTURES

42



**Antonella Bruzzese**, DASTU Politecnico di Milano,  
Director



**Isabella Inti**, DASTU Politecnico di Milano, temporiuso,  
Co-Director



**Alejandro Aravena**  
Elemental (RCH), DASTU, Politecnico di Milano



**Stefano Boeri**,  
DASTU Politecnico di Milano, Triennale di Milano



**Valeria Fedeli**,  
Dir. Centro Competenze Territori AntiFragili –DASTU,  
Politecnico di Milano



**Andrea Gritti**,  
DASTU Politecnico di Milano



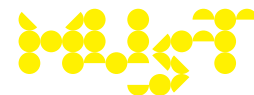
**Camillo Magni**,  
DASTU Politecnico di Milano, ASF-Architetti Senza  
Frontiere Italia



**Fabio Renzi**,  
Fondazione Symbola

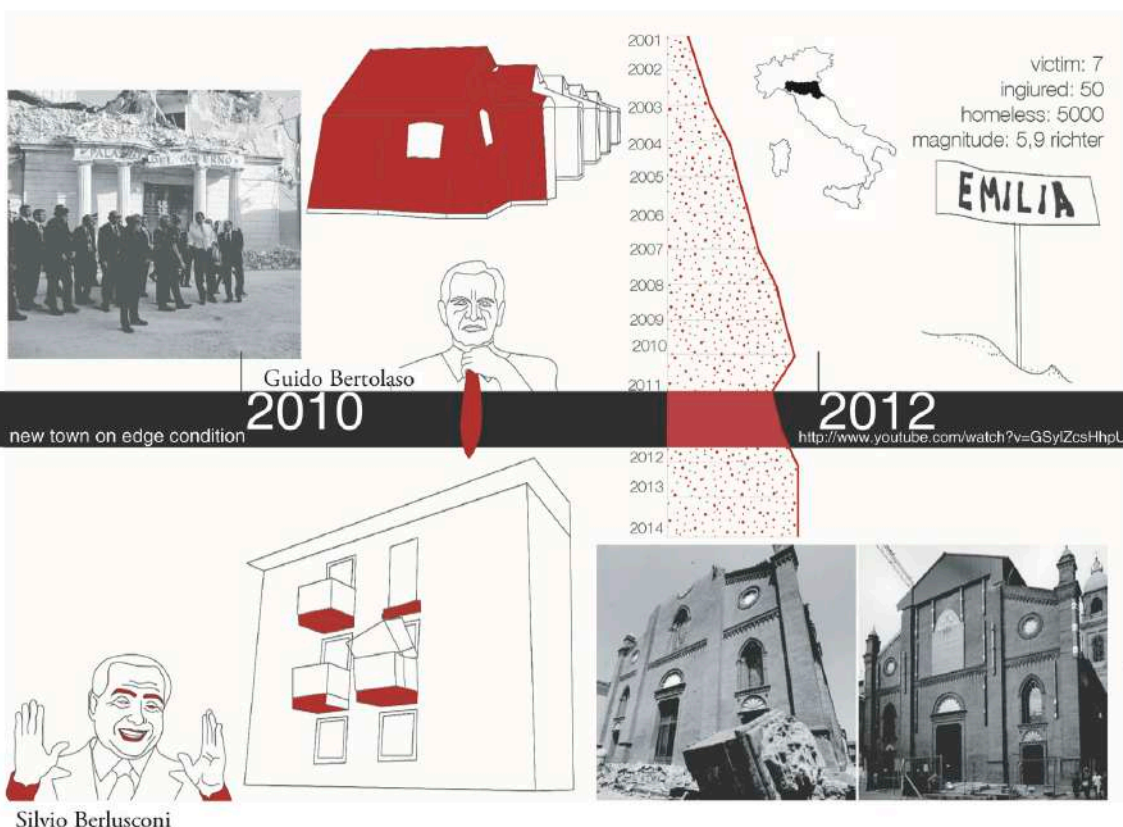


**Filippo Romano**,  
fotografo, Master fotografia IUAV



- 1968-2018 earthquakes
- UMBRIA - MARCHE Reconstruction tour

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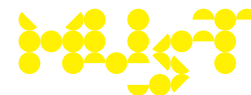


# TEMPORARY NEIGHBORHOODS, ARCHITECTURE, AND INFRASTRUCTURES FOR GREAT EVENTS

46

How do large flows of visitors and users of a cultural, sporting, religious, or musical event temporarily alter urban space? What kind of areas or temporary architecture solutions accommodate visitors, changing the demand for housing and services before, during and after the event? And how should they be designed to be converted in the long run? What "vision", tools, and strategies should be adopted to make a big temporary event sustainable and capable of triggering virtuous processes in the area?

Part 3  
Module 3b  
November 2024



Major events temporarily alter urban spaces and beyond with structures that, in some cases, are meant to change and remain. An “ephemeral urbanism” of Olympic villages, new stadiums, tensile structures, art installations in public space, permanent or removable infrastructure and substructures, modular architecture that can be dismantled and transported elsewhere. These are some of the material **legacies left by a big event. In order to understand the implications of big events (also geopolitical, social, environmental)**, we need to start observing the equipment built and then dismantled, and the equipment that remains on the ground instead. Reasoning about how these legacies are reused, by which populations, and with what economic availability, questioning this set of temporary uses and their effects, and what kind of cities they build in the long run is the goal of Module 3b.

The **Module 3b** will explain the main themes and issues related to **large and medium-sized events: opportunities, risks, impacts, management; it will describe types of forms of temporary event “neighborhoods,” buildings and infrastructure** (with a focus on three types: temporary “neighborhoods” for residential, sports, recreational, and religious uses designed with permanent architecture but adaptable and flexible to be reconverted; neighborhoods and villages of prefabricated buildings that can be dismantled at the end of the event, with infrastructure and substructures that are permanent or can be partially dismantled; and temporary infrastructure and ephemeral set-ups for sports, recreational, religious, and residential uses.

There will also be visits to Italian cities that are European Capitals of Culture, or venues for festivals and events with meetings with public institutions and local associative realities, professionals and designers involved. Case studies will be analyzed in their characters, procedures, and effects.

Part 3, module 3b

TEMPORARY NEIGHBORHOODS, ARCHITECTURE, AND  
INFRASTRUCTURES FOR GREAT EVENTS

48



**Antonella Bruzzese**, DASTU Politecnico di Milano,  
Director



**Isabella Inti**, DASTU Politecnico di Milano, temporiuso,  
Co-Director



**Rahul Mehrotra**,  
Harvard University, RMA architects (USA)



**Massimo Bricocoli**,  
Dir. DASTU, Politecnico di Milano



**Valeria Fedeli**,  
Dir. Centro Competenze Territori AntiFragili –DASTU,  
Politecnico di Milano



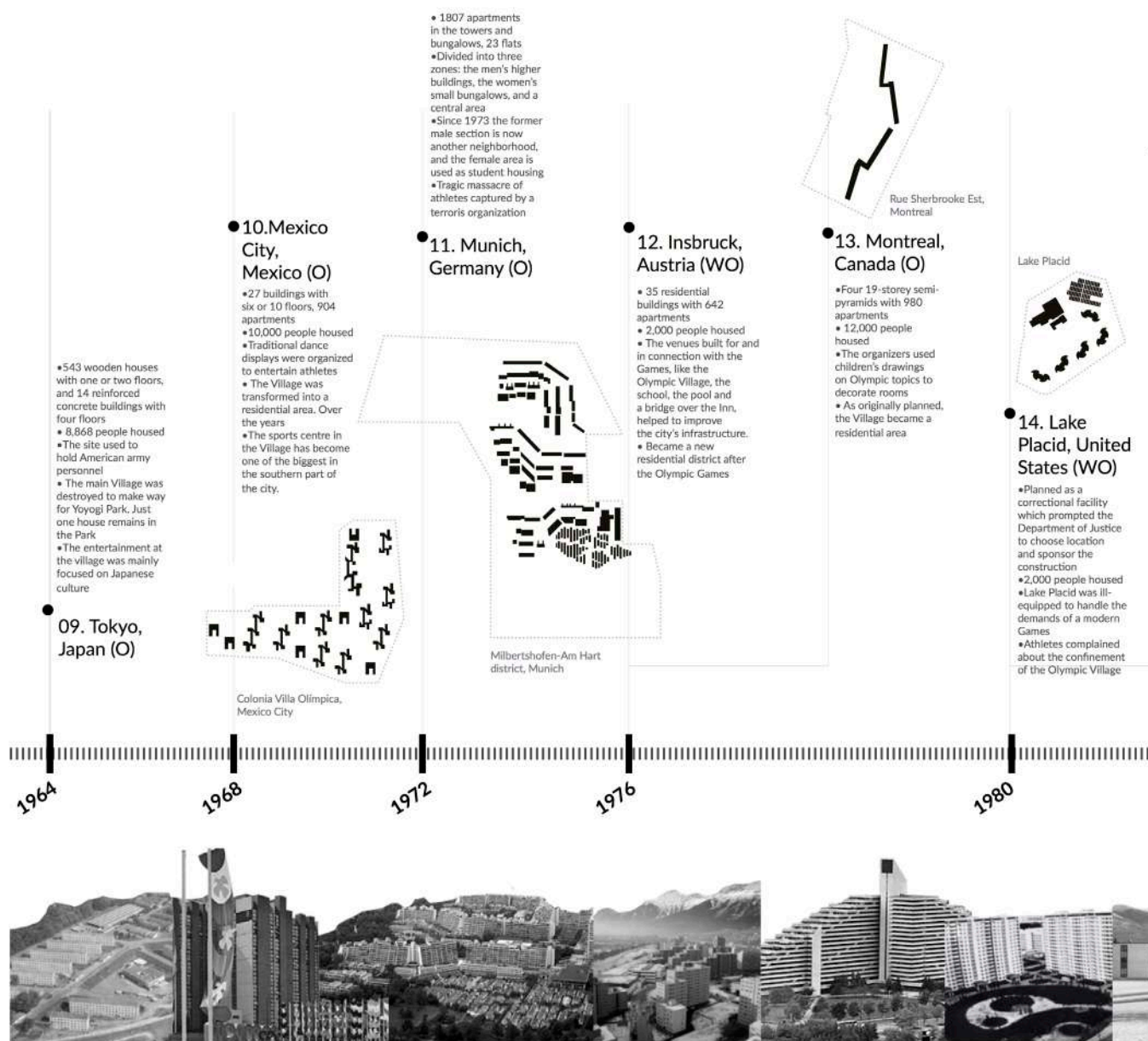
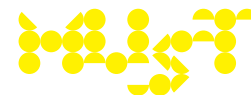
**Stefano Boeri**,  
DASTU Politecnico di Milano, Triennale di Milano



**Rozafa Basha**,  
University of Prishtina "Hasan Prishtina" (RKS)



**Ippolito Pestellini**,  
2050+ agency



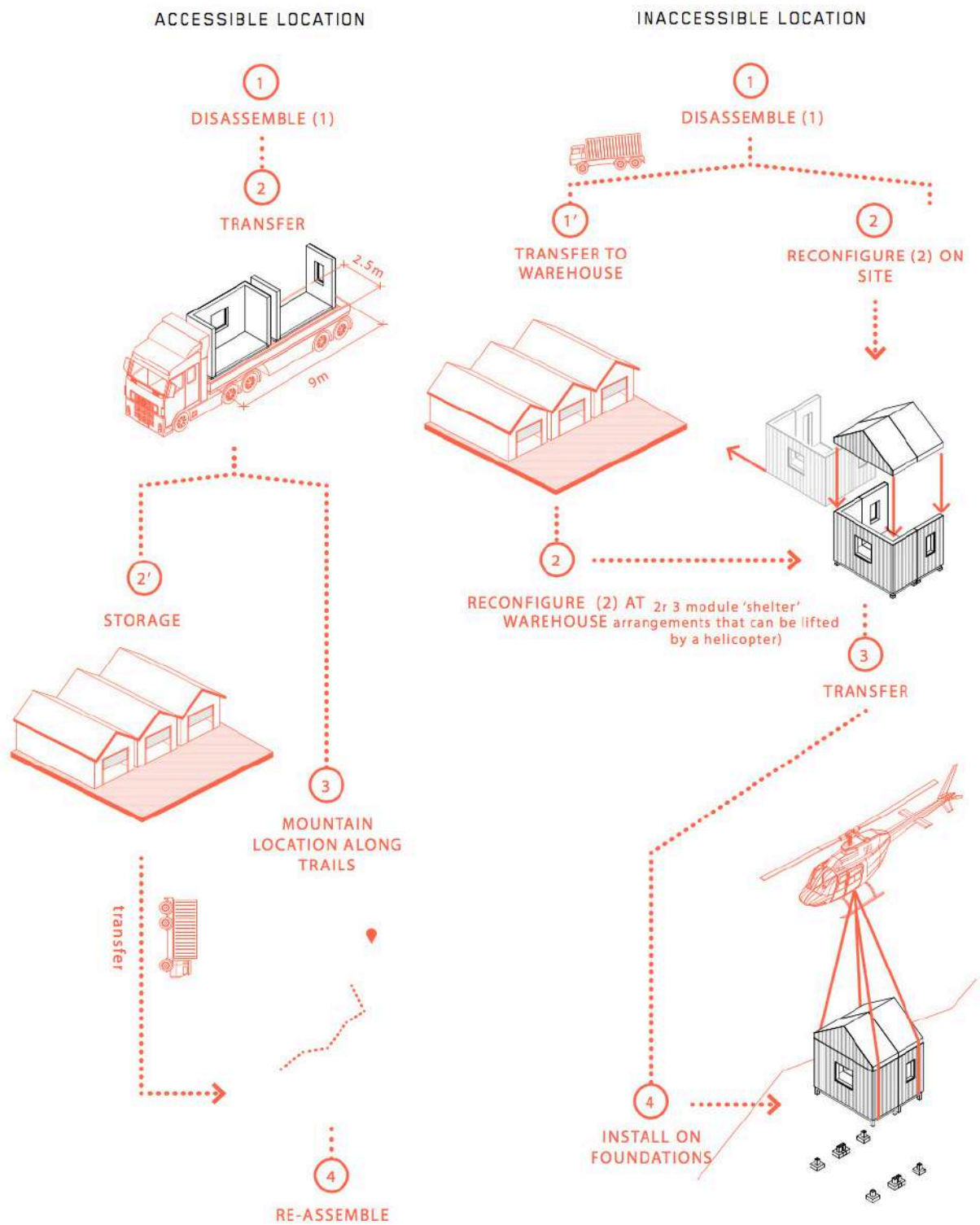


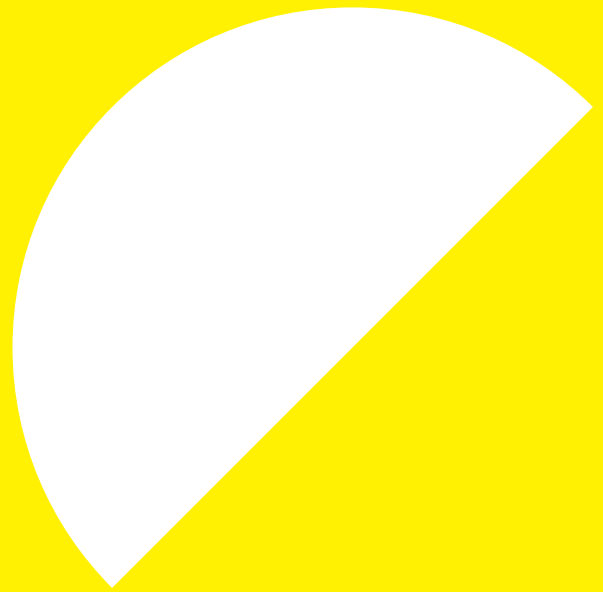


photo courtesy: i. 2050+ agency



photo courtesy: i. 2050+ agency

REGISTRATION, RELEVANT  
DATES, LOCATIONS,  
CONTACTS





# REGISTRATION, RELEVANT DATES, LOCATIONS, CONTACTS

## Calendar

Beginning of Master: starting Event, kick-off meeting, **May 9, 2024.**

TIMES  
**May 9, 2024**  
- end of May 2025

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<b>Module 1a</b>	09-25 May 2024
<b>Module 1b</b>	06-22 June 2024
<b>Module 2a</b>	04-19 July 2024
<b>Workshop</b>	End of July 2024 (to be defined the week)
<b>Module 2b</b>	12-28 September 2024
<b>Module 3a</b>	10-25 October 2024
<b>Module 3b</b>	07-23 November 2024
<b>Internship</b>	June 2024 - April 2025
<b>Final thesis</b>	May 2025

**Frequency:** the Master will be held for **2 and half days a week (Thursday, Friday and Saturday morning)**, 3 weeks a month, with 1 week off for individual study. **Attendance is compulsory for at least 75%** of the lessons.

**The Master will be held in English** in a blended mode. Face-to-face lessons will be held at Politecnico di Milano, Campus Bonardi.

Final thesis can be written in English or Italian language.

more to know

# TITLE, CFP, REGISTRATION, RELEVANT DATES, LOCATIONS, CONTACTS

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## Admission requirements

The **I level Master Course** is for candidates with a Laurea (equivalent to Bachelor of Science Degree), while the **II level Master Course** is for candidates with a Laurea V.O. or Laurea Specialistica/ Magistrale N.O. (equivalent to Master of Science Degree) in:

- technical-scientific field of Architecture and Planning;
- social-humanistic field, with reference to Anthropology and Cultural Heritage;
- economic-environmental field;
- communication and marketing field, with reference to Promotion and Enhancement of existing resources.

Candidates graduated in related disciplines as well as graduates with professional experience in the same subjects will also be eligible. For foreign candidates, equivalent qualifications in the respective study systems will be considered.

TIMES

**May 9, 2024**

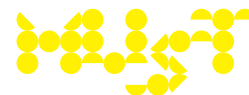
**- end of May 2025**

## How to apply

The application form is available here: [www.poliedra.polimi.it/master\\_usi\\_temporanei/](http://www.poliedra.polimi.it/master_usi_temporanei/).

The application has to be sent to: [formazione-poliedra@polimi.it](mailto:formazione-poliedra@polimi.it) until **January 8th, 2024**.

**Candidates will be selected by the Master Committee** based on the analysis of the Curriculum Vitae and on the candidates' profile.



## Title issued and CFU/ETCS

At the end of the Master, upon passing the final exam, will be issued the **M-US-T Master Temporary Uses diploma of 1st and 2nd level of Politecnico di Milano**. Politecnico will also release **60 CFU/ECTS**.

TIMES  
May 9, 2024  
- end of May 2025

## CFP

At the end of the Master, Italian Engineers and Architects, Planners, Landscapers and Conservationists can have their **Professional Training Credits (CFP)** recognized according to the guidelines established by the respective Orders to which they belong.

## Fee, scholarships and grants

The cost is 11.500 euro for each student, to be paid in **3 installments**:  
€ 4.000 before January 31st, 2024 ; € 4.000 before May 31st, 2024;  
€ 3.500,00 before September 30th, 2024.

The fee includes lectures and study materials, discussion seminars, orientation to the thesis and internship, participation in the workshop (travel and accommodation expenses).

**4 Scholarships** are defined: 2 scholarships provided by **ISPIRO** > 50% fee (topic: prefabrication post-catastrophe reconstruction)  
1 scholarship provided by **REDO sgr** > ca 50% fee (topic: major transformation and economic and social sustainability)  
1 scholarship provided by **FHS Fondazione Housing Sociale** > ca 50% fee (topic: social housing & temporary uses)  
**2 reductions** provided by **M-US-T committee** > 30% fee  
**1 reduction** for **M-US-T tutoring** > 20% fee (for Italian speaking student)  
For Italian students, possibility of requesting a **loan of honor** from Intesa San Paolo. [www.polimi.it/studenti-iscritti/tasse-borse-e-agevolazioni-economiche/prodotti-e-servizi-a-condizioni-speciali/prestito-per-merito](http://www.polimi.it/studenti-iscritti/tasse-borse-e-agevolazioni-economiche/prodotti-e-servizi-a-condizioni-speciali/prestito-per-merito)



## Information

For general informations:  
EDUCATION AND TRAINING OFFICE

**POLIEDRA - Politecnico di Milano**

Ilaria Sebastianelli | Email: [formazione-poliedra@polimi.it](mailto:formazione-poliedra@polimi.it)

phone: +39 02 2399 2925 / +39 02 2399 2902

[https://www.poliedra.polimi.it/master\\_usi\\_temporanei/](https://www.poliedra.polimi.it/master_usi_temporanei/)

For content informations:

DASStU, Politecnico di Milano

**Antonella Bruzzese**, [antonella.bruzzese@polimi.it](mailto:antonella.bruzzese@polimi.it)

**Isabella Inti**, [isabella.inti@polimi.it](mailto:isabella.inti@polimi.it)

Graphic concept thanks to: **Marco Tortoioli Ricci**, ISIA Urbino

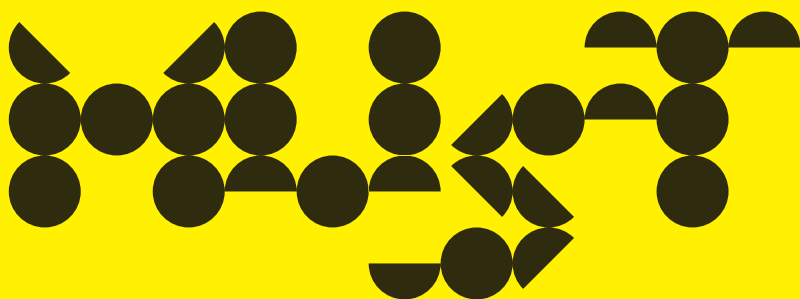
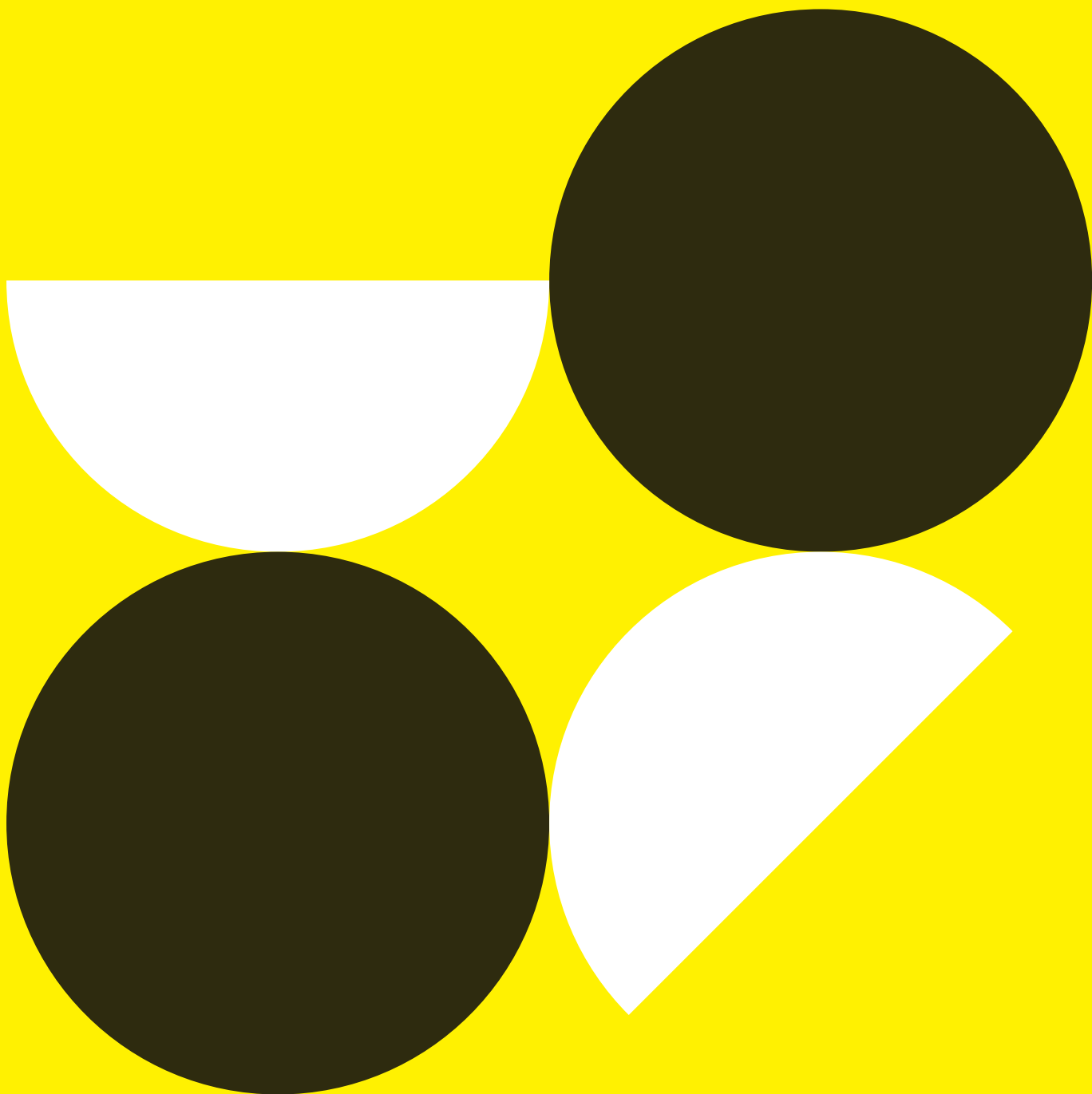
Edited in November 2023

TIMES

**May 9, 2024**

- end of May 2025





**POLITECNICO  
MILANO 1863**

DIPARTIMENTO DI ARCHITETTURA  
E STUDI URBANI



**DIPARTIMENTO  
D'ECCELLENZA**  
FRAGILITÀ TERRITORIALI  
2023 - 2027

**M—US—T**  
**Master in**  
**Temporary**  
**Uses**

**First and Second Level**  
**Master's Course**  
**Politecnico di Milano**  
**May 2024—May 2025**