



**International  
Summer School**  
for PhD Candidates and  
Master's Students

**Turin | 5 May 25**  
**Copenhagen | 9-15 June 25**

# *BEYOND* SUSTAINABILITY

*An operational path towards  
Regenerative Urban Design*

Organized by



Politecnico  
di Torino



DAD  
Dipartimento  
di Architettura  
e Design

In collaboration with the partners

**Henning  
Larsen** —

**RAMBOLL**

This initiative is funded by

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F O N D E N



# BEYOND SUSTAINABILITY

## An operational path towards Regenerative Urban Design

*In response to the accelerating impacts of environmental degradation, biodiversity loss, and growing socio-economic vulnerabilities driven by climate change, **contemporary architecture and urban design must move decisively beyond the boundaries of conventional sustainability.** Regenerative Urban Design offers a forward-looking framework that not only minimizes harm but actively contributes to the restoration of ecosystems, the reinforcement of social cohesion, and the cultivation of long-term resilience—both ecological and economic.*

*This international workshop provides a critical platform for doctoral and graduate students to investigate the theoretical foundations, analytical tools, and applied strategies of Regenerative Urban Design. Through lectures, design studios, and collaborative experiments, participants will engage in the co-creation of an operative framework for evaluating and implementing regenerative principles within architectural and urban design practices.*

## WORKSHOP AIMS

The workshop's core objective is to initiate a paradigmatic shift in urban design thinking, integrating regenerative logics into the spatial, environmental, and socio-political dimensions of the built environment. Specifically, participants will:

- *Jointly define the principles, values, and structure of Regenerative Urban Design*
- *Identify and classify the key parameters—environmental, social, and economic—relevant to regenerative interventions*
- *Explore methodologies for quantifying and measuring regenerative impact*
- *Develop an integrated evaluation matrix to assess RUD interventions through pre- and post-implementation analyses.*
- *Contribute to the early-stage development of a context-sensitive toolbox for regenerative urban design*

## KEY THEMATIC LAYERS

### 1. Urban Form, Mobility, and Contextual Framework

This layer explores the spatial morphology of cities, the interaction between architecture, open spaces and climate, the evolution of mobility systems, and the integration of urban risk assessment within historical and socio-cultural contexts.

### 2. Environmental Strategies, Water Management, and Biodiversity

Participants will examine design approaches that incorporate ecological restoration, nature-based solutions (NBS), urban biodiversity preservation, and integrated water systems, with a view to fostering adaptive and resilient urban ecologies.

### 3. Energy, Resource Efficiency, and Circularity

This theme addresses the necessity of embedding

circular economy principles into urban and architectural design, through strategies that enhance energy efficiency, material reuse, and systemic resource management.

**4. Community Engagement and Governance**  
Emphasizing participatory practices and inclusive governance, this dimension investigates the social infrastructures necessary to sustain regenerative transformation, from local co-design processes to institutional mechanisms of implementation.

## EXPECTED OUTCOMES

Throughout the workshop, participants will engage in an intensive and interdisciplinary learning process to deepen their understanding of **regenerative approach to architecture and urban design**—both as a theoretical framework and as a design practice. The aim is to provide practical and conceptual tools to tackle today's ecological and social challenges through a systemic and transformative approach.

Participants will:

- Learn the core **principles of regenerative urban design**, such as ecological reciprocity, systemic thinking, co-evolution with nature, circularity, and long-term socio-environmental resilience.
- Explore **methods to assess the regenerative potential of urban interventions**, including qualitative and quantitative metrics, scenario planning, and simulation tools.
- Identify **measurable indicators for architects across environmental, social, and economic dimensions**, and help define context-sensitive Key Performance Indicators (KPIs).
- Collaborate in developing a **shared framework to evaluate regenerative practices** and critically reflect on the limits of existing tools
- Co-create a **preliminary roadmap for applying regenerative strategies in architecture and urban design**, positioning themselves within the global discourse on urban transformation.

## TUTORS AND GUESTS

The project is organized by the Politecnico di Torino in collaboration with Henning Larsen

Project Manager and Organizer (Polito):

*Maicol Negrello*

Scientific Supervisors:

*Roberta Ingaramo, Maicol Negrello*

Partners

*Henning Larsen, Copenhagen*

*Katrin Bindner, Urban Project Manager*

*Ramboll Denmark and Italy*

*Hossein Rezai, Design Excellence Director*

*Luca Rossi, Management Consultant, Ramboll Milan*

*Veronika Petrova, Sustainability Manager*

## APPLICATIONS

The workshop is structured in 3 parts:

- **One-day Workshop in Turin on May 23, from 9:00 AM to 3:00 PM**, held in Turin at the Politecnico di Torino, with guest professionals from Ramboll and Henning Larsen (Denmark).
- **One-week Workshop @ Henning Larsen (CHP) in Copenhagen** at the prestigious Danish firm Henning Larsen, from 9 to 15 of June.
- Reworking of post-workshop materials aimed at producing a summary output in Torino.

To participate, **please send your portfolio, CV, and a short motivational letter** (maximum file size: 10MB), **no later than May 16**, to: [maicol.negrello@polito.it](mailto:maicol.negrello@polito.it) **12 candidates** will be selected among Master's and PhD students. Master's students enrolled in the degree programs Architecture Construction City, Architecture for Heritage, and Architecture for Sustainability will be awarded 2 CFU upon participation in the first two phases of the activity, and 3 CFU if they also take part in the third phase. PhD candidates will receive an official certificate of attendance, which may be submitted for credit recognition in accordance with the regulations of their respective doctoral programs. Each Master's student selected will **receive a partial reimbursement** to help cover travel expenses. PhD candidates are invited to use their dedicated research funds.