

# The Project of Public Open Spaces for Climate Change Mitigation

— International  
— Design Summer  
— School

9

— 14

june

2025

University of Pavia



Co-funded by  
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# The Project of Public Open Spaces for Climate Change Mitigation

In recent decades, cities have faced various challenges, including mitigating the effects of climate change, evident in the form of heat islands and intense rainfall (“water bombs”), and the need to create sustainable and healthy quality spaces. **One possible response to the challenges related to climate change effect is the use of Nature-Based Solutions (NBS) for designing ecological public spaces.** These solutions can reactivate spaces by reintroducing nature into the urban environment and providing citizens with healthy places that enhance well-being in terms of micro-scale temperature and humidity, while also reducing stress on stormwater management.

International projects and best practices based on NBS mainly focus on large cities, often proving unsuitable for other urban contexts. Particularly under-researched contexts for the application of NBS in public space design are the historic centers of medium-sized cities, which are very common in the Italian and European context. **In medium-sized cities, urban scale issues are compounded by purely architectural problems, including the relationship not only between buildings and open space but also between the historic fabric and new interventions.**

The goal of the Summer School is to address the design of public spaces through the use of NBS in contexts with **a strong historical and architectural character**, specifically in the city of Pavia (as an example of a medium-sized city). The course aims to deepen the topic

through **lectures, meetings, and debates, and the development of an architectural project**, within the broader framework of the the WaterMiTCities project developed by the AUDe laboratory. Students will be divided into groups to encourage the sharing of ideas, mutual exchange, and enrichment of knowledge and skills.

# PRESENTATION & OBJECTIVES

The AUDe (Architecture and Urban Design) laboratory of the University of Pavia (Department of Civil Engineering and Architecture) is organizing, under the European BIP programme, an intensive 6-day Summer School for PhD students, graduates, and students in Architecture and Building Engineering-Architecture courses. The goal of the Summer School is to design an urban public space to counteract the effects of climate change.

## ACTIVITIES

- Research by Design in support of the WaterMiTCities project.

## LEARNING OBJECTIVES

- - Expand knowledge on climate change;
- - Design public spaces within historic contexts;
- - Develop knowledge on mitigating the effects of climate change through the use of NBS in architecture.

## ORGANIZATION

Director: *Gaia Nerea Terlicher*

Scientific coordinator: *Carlo Berizzi*

Tutors: *Marta Mazurkiewicz,*

*Lorenzo Quaglini, Thomas Pepino*

## Scientific Committee

*Deepti Adlakha, TU Delft*

*Nicholas Anastasopoulos, National Technical University of Athens*

*Vladimír Balda, Technical University of Liberec*

*Carlo Berizzi, University of Pavia*

*Tiziano Cattaneo, University of Pavia*

*Anna Corli, University of Pavia*

*Enrico Creaco, University of Pavia*

*Roberto De Lotto, University of Pavia*

*Ioanni Delsante, University of Pavia*

*Alessandro Greco, University of Pavia*

*Marco Morandotti, University of Pavia*

*Andrea Penna, University of Pavia*

*Anna Szczegielniak, Politechnika Opolska*

*Maria Matos Silva, University of Lisbon*

*Gaia Nerea Terlicher, University of Pavia*

*Luca Trabattoni, Politechnika Opolska*



# PROGRAMME

## Tue. 3/06 – Online

h. 12:00-13:00 (Italian time)

- Introduction: *Who we are and what we want to learn.*

h. 13:00-14:00 (Italian time)

- Design theme introduction

## Mon. 9/06 – Onsite

h. 9:00

- Welcome greetings
- Lecture – Public Spaces and Climate Change: *Carlo Berizzi, Gaia Nerea Terlicher*

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**BREAK**

h. 14:00

- Visit to the project area

## Tue. 10/06 – Onsite

h. 9:00

- Lecture: *Maria Matos Silva*
- Design activities

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**BREAK**

h. 14:00

- Lecture: *Vladimír Balda*
- Design activities

## Wed. 11/06 – Onsite

h. 9:00

- Lecture: *Deepti Adlakha*
- Design activities

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**BREAK**

h. 14:00

- Collective Review

## Thu. 12/06 – Onsite

h. 9:00

- Lecture: *Anna Szczegielniak*
- Design activities

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**BREAK**

h. 14:00

- Design activities

## Fri. 13/06 – Onsite

h. 9:00

- Lecture: *Nicholas Anastasopoulos*
- Design activities

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**BREAK**

h. 14:00

- Design activities

## Sat. 14/06 – Onsite

h. 9:00

- Final project presentation
- Jury and awards
- Closing session

# PRACTICAL INFORMATIONS

## When

The Summer School will take place from June 9 to 14, 2025. During this week, students will participate in lectures and design activities from 9:00 AM to 6:00 PM.

## Where

The Summer School will be held at the University of Pavia (Italy).

Address: via Ferrata 3, Pavia

## ECTS

Students who attend the Summer School will receive 3 ECTS.

## REGISTRATION

To register contact the international relations office of your university.

Deadline: 28/02/2025

## INFO

For more info:

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## Contact

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