



# THE ROLE OF UNIVERSITIES IN THE PROCESS OF DECARBONIZATION OF URBAN AREAS

Edoardo Croci  
Bocconi University

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# Bocconi URBAN CAMPUS



# BOCCONI DECARBONIZATION PLAN

**Bocconi decarbonization plan** aims to achieve carbon neutrality (Scope 1 and Scope 2 emissions) by **2025**.

The **new Bocconi campus (SDA)** is already **carbon neutral** for Scope 1 and Scope 2 emissions.

The process to quantify **Scope 3 emissions** related to the University's activities (e.g., goods and services purchase; students, faculty and staff mobility; and waste management) is now under completion following the **ISO 14064-1 standard**.



# ENERGY EFFICIENCY AND RES PRODUCTION

## Achievements:

- **Renewable energy production** (Photovoltaic 1,2 MW)
- **2 District heating/cooling** systems with heat pumps (1500 kW each) using groundwater sources
- **100% of electricity** acquired from third parties procured from **renewable sources** since 2017
- **CO2 emissions** decreased by more than **15%** between 2019 and 2022
- **Energy saving and efficiency promotion** and awareness-raising activities towards students, faculty and staff

## Certifications:

- **LEED Platinum** Certification for the new Urban Campus
- **ISO 50001 Certification Energy Management**

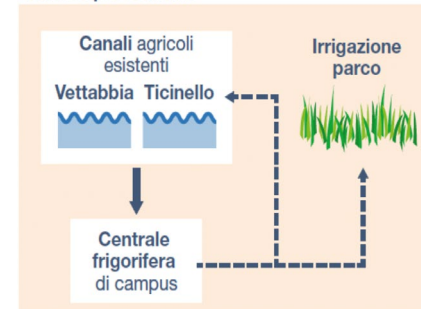


# GREEN AREAS AND WATER MANAGEMENT

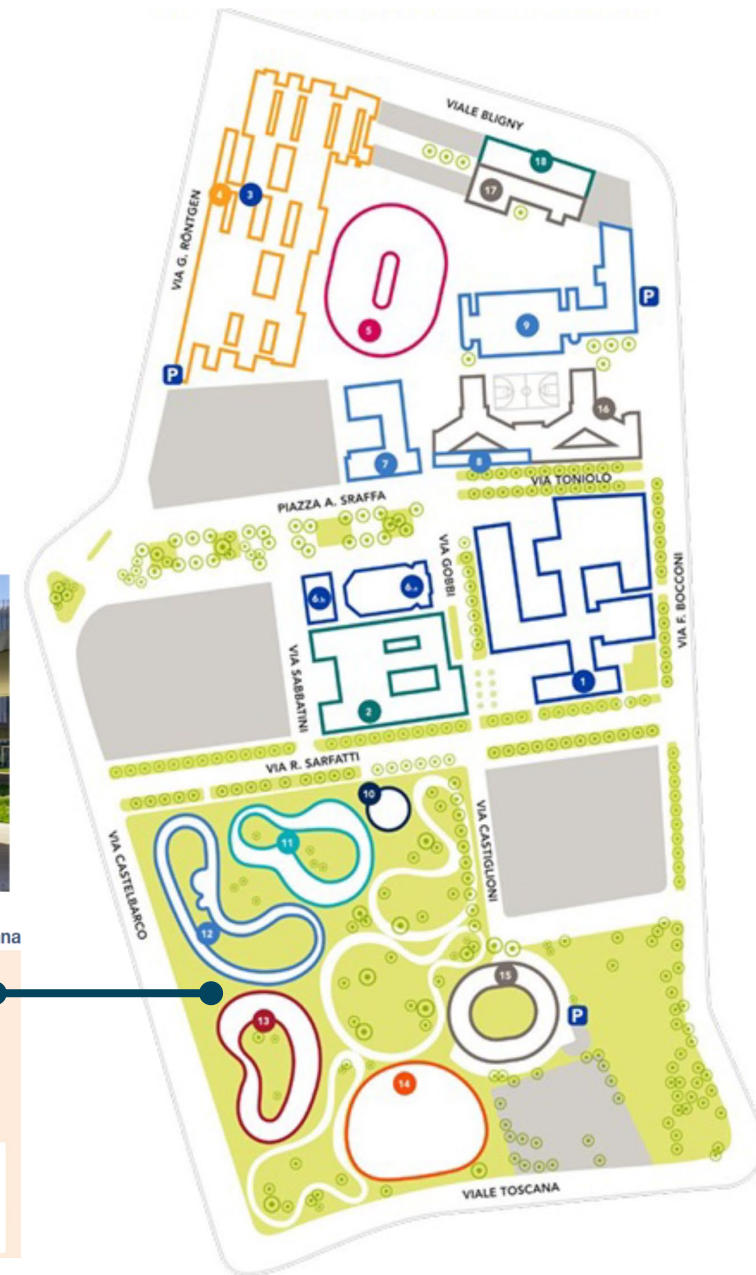
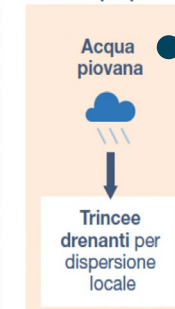
- 30.000 m<sup>2</sup> of green areas in the Bocconi Urban Campus, open to the Bocconi community, the neighborhood and the entire city of Milan
- Reduction of water consumption by collecting rainwater and reusing technical water sources for irrigation



Ciclo acque tecniche



Ciclo acqua piovana



# BOCCONI CAMPUS AS A CATALYST AND DRIVER FOR URBAN REGENERATION

## TIBALDI-BOCCONI

New railway station inaugurated in 2022, representing a focal point for the future mobility of the district. 600 m<sup>2</sup> of an 'open-air waiting room' serving travellers and residents with green areas and public spaces.



## E-BUS STATION AND URBAN PARK

An urban park above the new e-bus depot. 20.000 m<sup>2</sup> of multifunctional green space will connect existing parks in the area, providing public and sports services accessible to everyone.

## APARTO-GIOVENALE

22.000 m<sup>2</sup> of a student house opened in 2022 that provides integrated services for students' accommodation. A set of services is also open to residents living in the area.



## PORTA ROMANA PROJECT

The area will host the Milan-Cortina 2026 Olympic Village, which will be converted into a student house for. 190.000 m<sup>2</sup> of abandoned areas regenerated with more than 50% of public green areas

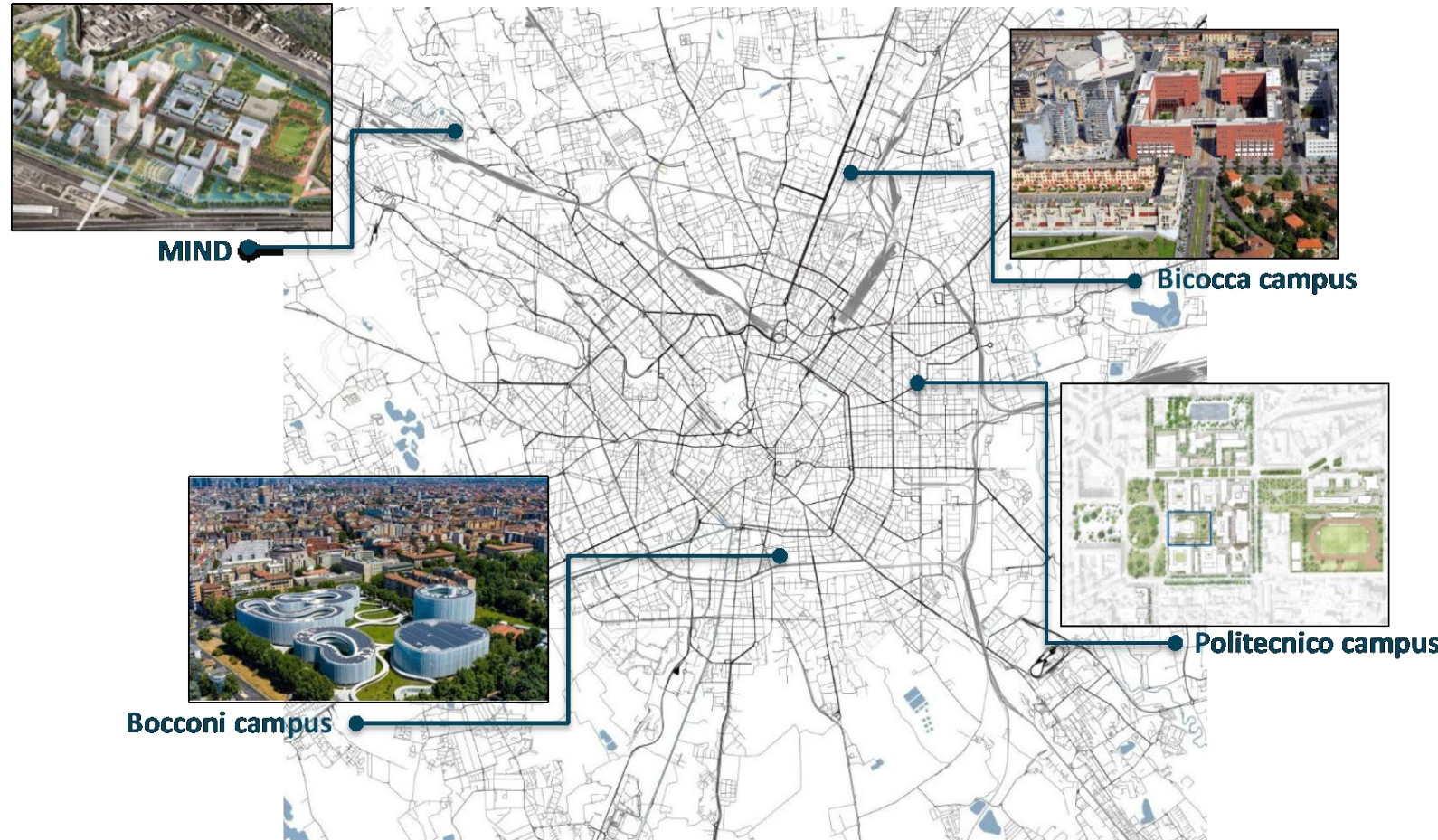
# MUSA - MULTILAYERED URBAN SUSTAINABILITY ACTION

**Spoke 1 Urban Regeneration - Cities of Tomorrow** aims to **develop and test innovative solutions and integrated models for urban regeneration**, considering **natural environment, circularity, energy systems and sustainable mobility**.

**4 Universities Urban Campus** will represent the test areas of the innovative solutions

Bocconi will focus on **4 topics**:

1. Valuing urban nature
2. Urban circular and regenerative economy
3. Driving urban energy transition
4. Mobility as a service



**THANK YOU**  
EDOARDO.CROCI@UNIBOCCONI.IT