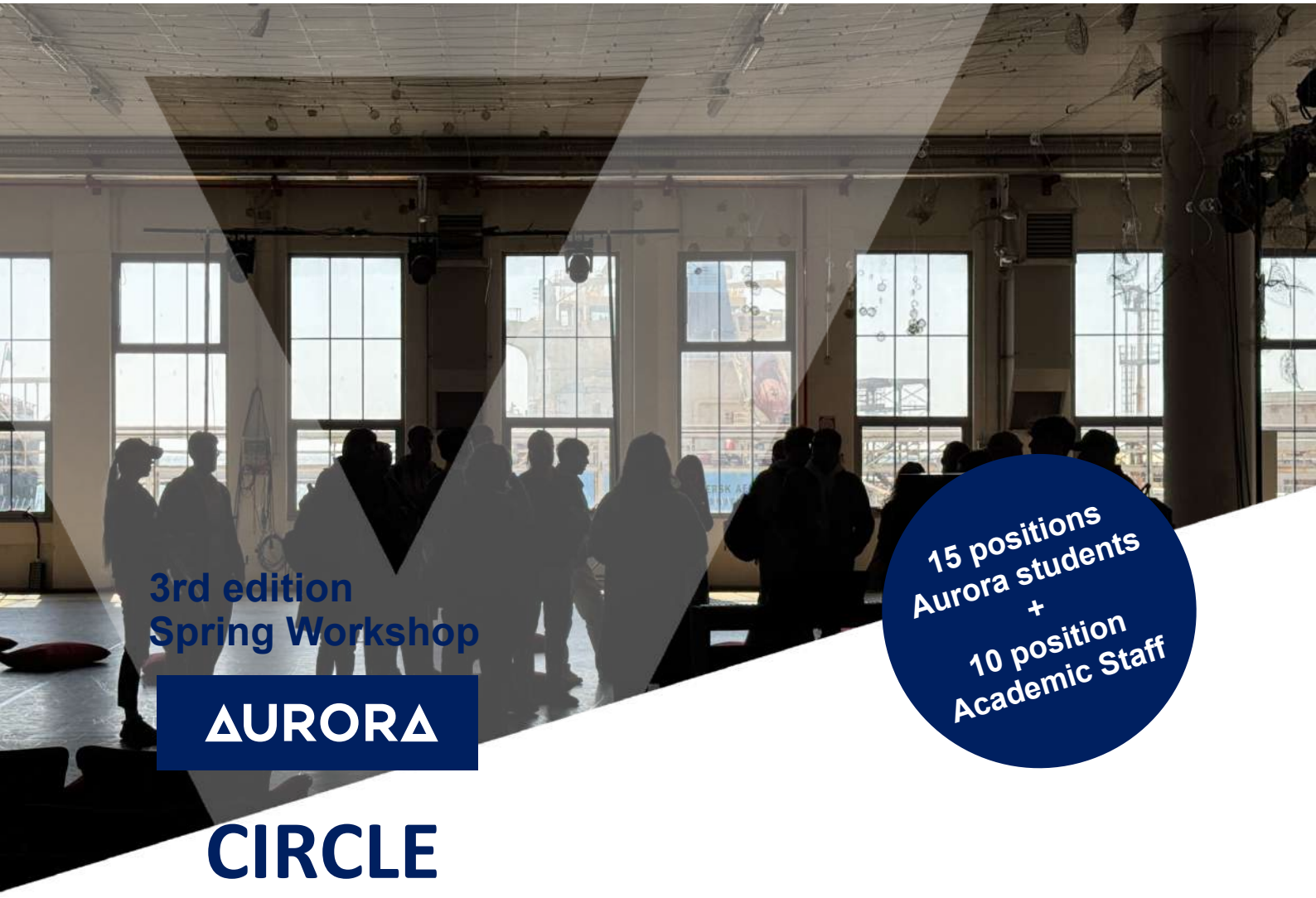
dipartimento di architettura
università degli studi di napoli federico II
scuola politecnica e delle scienze di base

sviluppo sostenibile e reti territoriali



3rd edition
Spring Workshop

AURORA

15 positions
Aurora students
+
10 position
Academic Staff

CIRCLE

Circular Infrastructure for Regenerative Cities and Local Ecosystems

The course is aimed at developing critical capacity and specialized skills regarding the relationship between environmental sustainability goals and design, stressing the technical and heuristic intelligence of the same to prefigure new eco-socio-technical environments appropriate to the finite condition of natural resources.

Partners:
Università di Napoli Federico II_University of Innsbruck_University of Iceland _Palacký University Olomouc

Co-funded by the Erasmus+ Programme of the European Union

AURORA EUROPEAN UNIVERSITIES
Università degli Studi di Napoli Federico II

General Info

CIRCLE

Spring Workshop

Circular Infrastructures for Regenerative Cities and Local Ecosystems

Federico II University of Naples,
April 20-24 2026
4 CFU assigned

The program aligns with the EU circularity strategy (COM/2020/98 final), utilizing a challenge-based, transnational, and transdisciplinary approach for sustainable planning and innovation. The main goal is to build operational skills for solutions that integrate sustainability and circularity into urban infrastructure and regeneration.The focus is on promoting the regeneration of critical (disused) areas and developing local circular networks. The core deliverable is the design of Circular Infrastructure Hubs—neighborhood-scale facilities in areas to be recovered—aimed at facilitating redistribution, repair, reuse, and re-design of products, managed by private or third-sector entities.

The methodology is systemic, transferring design methods through group activities: Cataloging recovery examples in partner countries (IT, AT, IS, CZ). Digital mapping of disused areas (Naples case study). Developing co-design strategies for circular supply chains via Stakeholder Engagement (Living Lab model).

Creating tailor-made design solutions for urban facilities.

The project leverages the expertise of the DiARC (UNINA) Department of Excellence and its experience in the AURORA Alliance (Workshops on Urban Metabolism). Educational outcomes include integrating social, technological, and environmental principles, transforming waste into regeneration opportunities, and aligning with the New European Bauhaus and Agenda 2030 (SDG 11 & 12).

Product: concept for the design of Circular Infrastructures

Format: Lectures, seminars, fieldtrips, design studio

15 positions open to Aurora students enrolled in BA or 1st year MA + 10 position open to academic staff

Prerequisite:English proficiency.

Application procedure for students: motivation letter and CV to anna.attademo@unina.it and marina.rigillo@unina.it

Deadline: January 20th, 2026
Notification of acceptance by January 30th, 2026

AURORA BADGE AVAILABLE, CHECK IT OUT!

Professors

Anna Attademo is a researcher in Urban Planning at the University of Naples Federico II, PhD in Urbanism and Territorial Planning. She teaches in the "Governing Urban Metabolism" Laboratory of the Sustainable Development and Territorial Networks Bachelor Degree.
She has done research and third mission experiences on the periurban areas of the Metropolitan Area of Naples, with a specific attention on local planning and community engagement processes, participating in European funded projects and co-designing some public facilities through the recovery of abandoned areas.
She was a member of the Horizon 2020 project “REPAiR” and URBACT III “Sub> urban”. On the subject, she co-edited the volume “Fringe Shifts” (Listlab, 2018). She also co-edited, with Professors Michelangelo Russo and Enrico Formato, the book “Transitional Landscapes” (Quodlibet, 2023).

The extended CV and her publications are available on:
https://www.docenti.unina.it/anna.attademo

Marina Rigillo is Associate Professor at the University of Naples Federico II, PhD in Architecture Technology. Her scientific interests are in the field of environmental design, with a focus on climate adaptation, the development of circular supply chains in construction and the requirements of emerging dwell. She teaches Technological Design of Life Cycles in the course of Sustainable Development and Territorial Networks (SRT) and Technological Design in the master course Design for the Built Environment (DBE). She is member of the DiARC Doctoral College of Architecture, and in the EU "TREND" doctoral project panel.
She has been responsible of EU research projects, such as the EU Swich Asia funded project 3R4UB,as well as National funded project such as PROSIT. Designing in Sustainability: qualification and digitalization in construction, and the FORWARD project, funded under the MICS Extended Partnership (with Prof. Massimo Perriccioli).

The extended CV and her publications are available on:
https://www.docenti.unina.it/marina.rigillo

Basic Readings for future reference

- CEC (2015) Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions. Closing the loop - An EU action plan for the Circular Economy.
- COM (2015) 614 CEC (2019), Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions on the *Implementation of the Circular Economy Action Plan*,
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- CEC (2020), Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions *A new Circular Economy Action Plan For a cleaner and more competitive Europe*
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- EEA (European Environment Agency) (2016), *More for Less. — material resource efficiency in Europe*, EEA Report No. 10/2016 https://www.eea.europa.eu/publications/more-from-less EEA - European Environment Agency (2020),
- Amenta L., Attademo A., Remøy H., Berruti G., Cerreta M., Formato E., Palestino F., Russo M. (2019) Managing the Transition towards Circular Metabolisms: The Peri-Urban Living Labs (PULL) Decision Model. Urban Planning, vol. 4, n. 3, ISSN 2183-7635
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- Rigillo M., Formato E., Russo M. (2020), Short Supply Chain of Waste Flows: Designing Local Networks for Landscape Regeneration, in Detritus. Multidisciplinary Journal for Waste Resources & Residues, Special Issue Waste Architecture Cagliari, Italy / © 2020 by CISA Publisher, Italy, pp. 35-44