

under the sponsorship of

Agenda Day 2: 27th February

Sustainable and Climate-Neutral Cities for Inclusive and Equitable Urban Futures – Urban Europe Research Alliance CONFERENCE 2025

The Day 2 is dedicated to the UERA Conference 2025. Scientific presentations are aimed at clarifying innovative approaches and at the nexus of climate neutrality, sustainability, and social equity in urban settings. Submissions may take the form of theoretical frameworks, empirical case studies, or visionary proposals aimed at exploring urban sustainability paradigms.

MORNING SESSION

MARCONI ROOM 09:00–13:00

WELCOME

- Carmelina COSMI (CNR-IMAA)
- Paola CLERICI MAESTOSI (ENEA Coordinator of the Task Force for the Internationalization of the ICER Division)

INTRODUCTION

- Edoardo CROCI (Bocconi University, UERA Chair)
- Enza LISSANDRELLO (Aalborg University, UERA coordinator)

SESSION 1 – SOCIAL JUSTICE, EQUITY, AND PARTICIPATION 09:30–10:40

Chair: Enza LISSANDRELLO (Aalborg University)

Keynote speakers

- Smart city for social equity: a dilemma (Melissa SESSA, CNR-IRPI)
- Equity and Active Travel: Gender and Beyond (Rachel ALDRED, University of Westminster)

Selected papers

- The Traveling Urban Sustainability Researcher: Addressing a conflictual topic (Pia LABORGNE, Karlsruhe Institute of Technology)
- Doughnut Economics as a Tool for Participatory Governance in Sustainable and Climate-Neutral Cities: The Case of the Budapest Degrowth Doughnut (Gabriella KISS, Corvinus University of Budapest)

Q&A

SESSION 2 – URBAN PLANNING and DESIGN FOR SUSTAINABILITY and CLIMATE NEUTRALITY 10:40–11:50

Chair: Ghadir POURHASHEM (University of Žilina)

Keynote speakers

- Planning for inclusive and equitable cities: rethinking Mobility and Participation (Francesco SCORZA, University of Basilicata)
- Covenant of Mayors and multilevel governance for the multiple benefits of energy efficiency at local level (Alessandro FEDERICI, ENEA)

Selected papers

- Entropic Urbanism: Transformative Strategies for Climate-Neutral and Sustainable Development in Informal and Post-Suburban Areas (Claudia RIBEIRO, Universidad Complutense de Madrid)
- Integrated spatial planning for climate-neutral, sustainable and equitable cities: the LIFE IN-PLAN project methodology (Fabrizia SALVI, AREA Science Park)

Q&A

SESSION 3 – TECHNOLOGY AND INNOVATION FOR URBAN TRANSITIONS 11:50–13:00

Chair: Roberta CHIARINI (ENEA)

Keynote speakers

- Solarpunk is the poetics of the future (Matteo SCARFÒ, Solarpunk Italia)
- Research Alliances for Sustainable and Smart Cities: Unlocking Synergies for Innovation and Impact (Sonia GIOVINAZZI, ENEA)

Selected papers

- Advancing Urban Resilience through Network Science and AI: A Scalable Framework for Climate-Neutral and Equitable Cities (Amir ALBADVI, Urban Resilience and Sustainability Alliance (URSA), University Canada West, Vancouver)
- Exploring the role of technologies in urban sustainable transition process (Fotini KEHAGIA, Civil Engineering Department of Aristotle University of Thessaloniki)

Q&A

13:00–14:30 Lunch Break

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GOLGI ROOM

SESSIONE SPECIALE 09:00-13:00 (max n° 20 participants)

DISTRETTI AD ENERGIA POSITIVA | PED – POSITIVE ENERGY DISTRICT

Moderator: Emanuele MARTINELLI (EnergiaMedia)

09:00-10:15

Positive Energy District|Distretti ad Energia Positiva

- Driving Urban Transition Partnership: the PED Pathway (Christoph GOLLNER, DUT P PED Pathway coordination)
- I Distretti ad Energia Positiva – PED (Paola CLERICI MAESTOSI, ENEA, vice-coordinator DUT PED Pathway)
- I Distretti ad Energia Positiva in Europa (Silvia BOSSI, ENEA)
- Revisione sistematica della letteratura sui Positive Energy District (Michela PIRRO, ENEA)
- Soluzioni costruttive per i Distretti ad Energia Positiva (Tiziana FERRANTE, PDTA, Sapienza)

10:15-10:30

Coffee break

Playing with PED: Game PED 10:30-13:00

 **SCALABLE CITIES** | C.Lever – Cesena Leveraging cross synergies

10:30-12:45

Designing PEDs through Game: the PED play with Beril ALPAGUT (DEMIRENERJI), Paolo CIVIERO (ROMATRE), Giulia TURCI (Comune di Cesena)

- 1/2 h for instruction, and grouping the Game board
- 1 for playing
- 15 min for presenting results and conclusion

12:45-13:00

Wrap up and conclusion

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AFTERNOON SESSION

SPECIAL SESSION - RESILIENT INFRASTRUCTURES AND NATURE-BASED SOLUTIONS

MARCONI ROOM 14:30-15:40

Chair: Benedetta LUCCHITTA (Bocconi University)

Keynote speakers

- Mainstreaming nature-based solutions in cities and regions (Niki FRANTZESKAKI, Utrecht University)
- Ever new buzz words or leveraging transformation? Activating nature-based solutions for ecological justice (Sonja GANTIOLER, EURAC Research)
- Integrated and Nature-Based solutions for circular and resilient cities (Elisabetta SALVATORI, ENEA)
- Nature-based solutions from the perspective of sustainability (Stephen VENN, University of Lodz)

Q&A

SESSION 4 - ENERGY COMMUNITIES AND JUST ENERGY TRANSITION

MARCONI ROOM 15:40-16:50

Chair: Pia LABORGNE (Institute for Technology Assessment and Systems Analysis)

Keynote speakers

- Community energy solutions to accelerate local climate action (Ursula EICKER, Concordia University, Next Generation Cities Institute)
- Planning urban energy transition futures as "path contingent" (Enza LISSANDRELLO, Aalborg University)

Selected papers

- Empowering the Margins: Inclusive Participation of Vulnerable Groups in Energy Transitions (Gudrun HAINDLMAIER, AIT Austrian Institute of Technology/University of Vienna)
- Real experiments of co-creating sustainable and inclusive societies towards cross-sectorial transition to climate neutrality: the approach of Transition Super Lab in Western Macedonia region (Maria KONSTANTINIDOU, Hellenic Institute of Transport - HIT)

Q&A

SESSION 5A - SOCIAL JUSTICE, EQUITY, AND PARTICIPATION & ENERGY COMMUNITIES AND JUST ENERGY TRANSITION

MARCONI ROOM 16:50-18:00

Rapporteurs: Pia LABORGNE (Institute for Technology Assessment and Systems Analysis)
Melissa SESSA (CNR-IRPI)

Selected papers

- Citizen science for green urban transitions: Stories from Urban ReLeaf cities (Inian MOORTHY, International Institute for Applied Systems Analysis - IIASA)
- The Question of Institutionalization in Urban Care Cultures and its Effects on Social Justice: The Case of Protective Measures Against Climate-related Health Risks in Basel, Switzerland (Tanja HERDT, TU Delft, Delft)
- Thermal justice in the city: Addressing heat inequities through participatory urban planning (Zouad HALA, Gustave Eiffel University)
- Advancing Inclusive and Sustainable Mobility: Insights from the Fair Mobility Project (Kintero THOKORA, Technologie Zentrum Energie - TZE)
- Energy communities: Spatial implications and tackling energy poverty (Sol Maria HALLECK VEGA, Wageningen University)
- A Nash Bargaining local-global optimization framework to fairly integrate renewable energy communities within a smart city (Gabriele VOLPATO, University of Padova)
- Climate City Contracts of the EU Cities Mission: investigating innovative urban pathways for carbon neutrality (Michela PIRRO, ENEA)
- Social participation in innovative energy efficiency renovation to foster urban regeneration: a case study in the South of Italy (Anna AMATO, ENEA)

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SESSION 5B – URBAN PLANNING and DESIGN FOR SUSTAINABILITY and CLIMATE NEUTRALITY GOLGI ROOM 16:50-18:00

Rapporteurs: Ghadir POURHASHEM (University of Žilina)
Francesco Scorza (University of Basilicata)

Selected papers

- State of local climate and energy planning in 6 small and rural European towns in Europe: preliminary results of the LIFE LOCAL GoGREEN project (Luigi SANTOPIETRO, CNR-IMAA)
- Towards Climate-Neutral Cities: Insights from a Decade of Sustainable Urban Mobility Planning in Czech Cities (Radomíra JORDOVÁ, Jan Evangelista Purkyně University)
- Planning, Urban Design and Architecture for Climate Action: findings from UCCRN's Third Assessment Report on Climate Change and Cities (Mattia Federico LEONE, Università di Napoli Federico II)
- How Urban Planning Can Reduce Energy Consumption – a Literature Review (Rasmus Nedergård STEFFANSEN, Aalborg University)
- Transformative Hospitality for Sustainable and Inclusive Urban Tourism (Marcella DE MARTINO, CNR-IMAA)
- Integrating cultural and spatial qualities into decision-making. Towards sustainable transformation of the Sørsida waterfront area in Ålesund (Francesco CAMILLI, Independent NTNU)

SESSION 5C – TECHNOLOGY AND INNOVATION FOR URBAN TRANSITIONS LIBRARY ROOM 16:50-18:00

Rapporteurs: Benedetta LUCCHITTA (Bocconi University)
Sonia Gantioler (EURAC Research)

Selected papers

- Integrated planning for air quality and climate: evidence from an Italian multi-level case study (Angela PILOGALLO, CNR-IMAA)
- Pedalling towards sustainability: unlocking the potential of cycling for liveable cities (Giorgia GALVINI, ISINNOVA)
- Sniper-Tech for Tailored Urban Innovation: Pitigliano as an Open Blue-Sky Lab (Francesca PARASECOLO, OPEN FIBER)
- Urban Digital Twin supporting the implementation of positive energy districts – PED (Valerio PALMA, RomaTre University)
- Advancing Climate-Resilient Transport Infrastructures to Foster Sustainable and Climate-Neutral Urban Communities: The CRISTAL Project (Andrea BALLARIN, Studio Ballarin)
- A Step-Change National Plan for the integrated seismic-energy rehabilitation of the building stock to enhance community resilience and sustainability (Stefano PAMPANIN, Sapienza University of Rome)
- Finding the right tree in the Municipality of Rome: an ecosystem service-based approach (Alessandro SEBASTIANI, ENEA)
- VEG-GAP: enhanced knowledge of urban atmosphere in relation to urban vegetation (Mihaela MIRCE, ENEA)

SESSION 6 – ROUNDTABLE: OUTCOMES FROM THE PARALLEL SESSIONS LIBRARY ROOM 18:00-18:10

Moderators: Roberta CHIARINI (ENEA) and Enza LISSANDRELLO (Aalborg University)

CONCLUSIVE REMARKS MARCONI ROOM 18:10-18:30

Edoardo CROCI (Bocconi University, UERA Chair)

POSTER SESSION

The posters will be displayed in the Laguna Hall on 26th and 27th February 2025

- Challenges for Bulgarian cities in Achieving Sustainable and Positive Energy Districts
- Leveraging capacity building and awareness towards PEDs. The C.Lever project experience in Cesena, Italy
- A modeling approach to investigate the impact of an urban overheating mitigation technique in the context of climate change in Rome
- Condominium Housing Renovation for Sustainable and Climate-Neutral Cities