TS-05
DESIGNING ECOLOGICAL TRANSITION IN MEDITERRANEAN CITIES

Keywords: Sustainability Indicators; Ecological Footprint; Ecosystem Services; Urban Design; Research-by-Design.

The aim of this session is to present and discuss case studies and methodologies to address the ecological transition of urban systems. It investigates a set of possible integrated solutions such as actions to promote behavioral changes of citizens, to increase sustainability of mobility, waste management and food supply chains, to support renewable energy communities and to improve ecosystem services in towns.
Besides qualitative observations, quantitative measures are crucial for designing and validating solutions. For instance, Greenhouse gas inventory, LCA, Ecological Footprint, Ecosystem Services assessment are useful methodologies to maximize positive effects in decision making, such as in terms of climate change mitigation and adaptation.
We focus on how sustainability indicators can inform design processes and contribute to support the ecological transition of Mediterranean cities through multiple issues, e.g. urban design, service design, product design, (value chain) process design, information and communication design.

CHAIRS

Riccardo Maria Pulselli - Mediterranea University of Reggio Calabria, Italy.

Riccardo Maria Pulselli, Architect, PhD in Environmental Sciences, is researcher at the Department Heritage-Architecture-Urbanism and teacher in the BSc and MSc in Design at UNIRC. He has studied and developed methods and models to investigate sustainability and promote solutions for ecological transition in urban, architectural and product design.

Stefano Magaudda - Roma Tre University, Department of Architecture, Italy.

Stefano Magaudda, Architect, PhD in Regional Planning, is researcher at the Department of Architecture and teacher in GIS for urban and environmental planning at UNIROMA3. He conducts research in environmental and climate planning by developing an ecosystem approach to urban design and integrating collaborative governance practices for community engagement.