

TS-35

MULTI-SECTORIAL INITIATIVES FOR A MORE SUSTAINABLE FUTURE IN CITIES: NOVEL APPROACHES AND METHODS

Keywords: Urban and Peri-Urban Context; Integrated Design; Economic Valuation Methods; Multicriteria Analysis; Decision-Making Systems.

Urban systems contain so many qualities that activities need to be coordinated and logically designed. According to the thoughts on digital innovation and sustainable transition, interventions aimed at promoting intergenerational equality are becoming more and more planned and programmed worldwide. Urban areas acknowledge the strategic importance of their constructed-natural environments and strive to extract benefits for the community by exploring novel connections between distinct subsystems. The UN's System of Sustainable Development serves as a reference framework for combining economic, environmental, social data to provide a more complete and adaptable picture of the connections between the environment, the economy, the society in urban contexts.

The research sector lacks logical-operational framework transpositions and applications in decision-making systems, especially to support the design of sustainable urban solutions as a result of functional interdependencies within sectorial domains. This from the perspective of the intervention's viability from an economic, social, and environmental standpoint.

The aim of the session is to bring together a range of presentations to support integrated evaluation, particularly concerning the roles that urban systems play in changing the built environment through their interrelationships. It is advised to incorporate multiple features accounting into the process of making decisions regarding cities' growth through the use of case studies and/or theoretical approach explanations set up under economic evaluation processes.

CHAIRS

Maria Rosaria Guarini - Department of Architecture and Design, Sapienza University of Rome, Italy.

Associate Professor in Real Estate Appraisal. Author and co-author of published works on: real estate market analysis; economic evaluation of: urban transformations, public-private negotiation in urban planning, economic-social-environmental sustainability. Formerly member of the Unit of Evaluation and Verification of Public Investments of the Italian Ministry of Cultural Heritage and Cultural Activities.

Francesco Sica - Department of Architecture and Design, Sapienza University of Rome, Italy.

Assistant professor in economic evaluation and project appraisal. I do research in the fields of economic-financial concerns and sustainable science. In addition, I do research on the use of multi-criteria decision-making techniques and econometric models to assist public-private stakeholders' decisions about sustainable urban planning. Formerly intern at the Forestry Policy and Division of the Food and Agricultural Organization (FAO), visiting scholar at SUNY College in Syracuse (USA).

Francesco Tajani - Department of Architecture and Design, Sapienza University of Rome, Italy.

Francesco Tajani holds a PhD degree in Economic Evaluation of Investments, and a Master in Urban Planning and Real Estate Market. He is author and co-author of works focusing mainly on innovative algorithms as support to real estate appraisal, the evaluation of investments on cultural and environmental assets. He has currently Associate Professor in Appraisal and Economic valuations of Projects at the Department of Architecture and Design, Sapienza University of Rome, Italy.