

NETWORKS, MARKETS & PEOPLE - NMP2024

THEMATIC SESSIONS - TS

TS-28

DECISION SUPPORT METHODS FOR RESILIENT LAND USE, SAVING SOIL AND SUSTAINABLE URBAN REGENERATION OF PROPERTIES IN DISUSE

Keywords: Decision Support Methods; Urban Regeneration; Investment Feasibility; Soil Sealing; Carbon Footprints.

Within the urban governance policies, the regeneration of public spaces constitutes a fundamental and widely discussed objective for the achievement of land degradation neutrality and the sustainable development of territories. The EU Next Generation funds are focused on the decarbonization and the definition of appropriate methods to assess the carbon footprints of the interventions. In the Italian context, within the NRRP, the mission No.5 concerns the urban regeneration aimed at reducing the phenomena of marginalization and social degradation as well as improving the quality of the social and environmental tissue.

To increase the resilience of cities, reduce pressure on the territory, guarantee land saving and facilitate the regeneration of existing real estate, valid tools are needed that allow public administrations and private investors to develop reliable investment feasibility analyses. This session encourages submissions on issues related to i) the enhancement of degraded urban areas and/or abandoned buildings, ii) the definition of evaluation models of the initiatives' conveniences, even though the development of composite indices that consider their (tangible and intangible) effects, iii) the adoption of quantitative and qualitative tools (Multicriteria Analysis, Neural Network, Automated Valuation Models, Analytic Network Process, Genetic Algorithms, etc.) for supporting decisions.

CHAIRS

Pierluigi Morano - Department of Civil, Environmental, Land, Building Engineering and Chemistry, Polytechnic University of Bari, Italy.

Pierluigi Morano is currently Full Professor in Real Estate Appraisal. He is author and coauthor of published works on various topics, including the study of innovative algorithms as support to real estate appraisal and the econometric analysis of the dynamics of real estate prices.

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

Francesco Tajani is Associate Professor in Real Estate Appraisal. He is author and coauthor of almost two-hundred published research on various topics, including the study of innovative algorithms as support to real estate appraisal and the econometric analysis of the dynamics of property prices.

Debora Anelli - Department of Civil, Environmental, Land, Building Engineering and Chemistry, Polytechnic University of Bari, Italy.

Debora Anelli is currently fixed-time Researcher in Real Estate Appraisal. She is author and coauthor of numerous published works regarding the study of the real estate market dynamics and the definition of decision support models for sustainable urban planning.

Carmelo Maria Torre - Department of Civil, Environmental, Land, Building Engineering and Chemistry, Polytechnic University of Bari, Italy.

Carmelo Maria Torre is currently Associate Professor in Real Estate Appraisal. He is author and coauthor of research works focused on the real estate market and the strategical environmental evaluations for urban planning processes.