

NEW METROPOLITAN PERSPECTIVES 2020

THEMATIC SESSIONS - TS

TS-15

DECISION SUPPORT METHODS FOR URBAN PLANNING POLICIES CONCERNING THE SAVING SOIL AND THE ENHANCEMENT OF PROPERTIES IN DISUSE

Keywords: Public-Private Partnership; Enhancement; Real Estate Market; Saving Soil; Decision Support Models; Degraded Areas; Properties in Disuse.

According to the European Commission (2016), every year in Europe an area of approximately 1,000 km², equal to the extension of the city of Berlin, is definitively waterproofed as a result of the construction of buildings, infrastructure and road networks. The European Union aims at the zeroing of the soil consumption by 2050. Among the short-term strategies set out by the European Commission, the greatest potentialities concern the regeneration of existing property assets, in particular degraded areas (e.g. brownfields) and buildings in disuse. This typology of properties are characterized by different location, size, original functions, ownership and intensity of degradation, for which different criteria and methods of intervention are necessary. The enhancement of these assets is related to the possibility of sorting out, through effective initiatives, the failures caused by the quantitative growth; satisfying the community needs of public spaces and residential buildings; generating relevant economic impacts on the territory through the redevelopment of entire urban areas. In this context, this session aims at focusing on: i) issues related to the enhancement of degraded urban areas and/or buildings in disuse, ii) possible models of intervention, with particular attention to public-private partnership procedures, iii) quantitative and qualitative tools - also innovative (Automated Valuation Models, Analytic Network Process, etc.) - able to support decisions, even through applications on real case studies.

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Graduated in Building Engineering-Architecture from the University of Salerno in Italy, he is currently a Ph.D. student in Appraisal and Evaluation of Projects at the Doctoral School of Architecture and Construction in Sapienza University of Rome (Italy). At the Food and Agricultural Organization based in Rome and, then, at the SUNY College of Syracuse in New York State (USA), he carried out research activities specifically regarding the economic evaluation of nature-based investments for urban planning. He joined as a speaker in numerous workshops, conferences, and seminars. He is the author and co-author of books, journal papers and conference papers on various subjects, including the application of multi-criteria decision-making methods, econometric models, analysis algorithms to the property markets, investments evaluation and the environmental economy.

