

# NEW METROPOLITAN PERSPECTIVES 2018

THEMATIC SESSIONS - TS

## TS-25

### SPATIAL DATA INFRASTRUCTURES, URBAN MODELLING AND GEOSPATIAL ANALYSES IN ASSESSING URBAN AND RURAL LANDSCAPES: NEW PERSPECTIVES AND OPEN CHALLENGES

*Keywords: Urban and Rural landscapes; Spatial Data Infrastructures (SDIs); Spatial analyses; Urban modelling; Multifunctionality; Ecological connectivity.*

The present session focuses on the emerging questions in analysing urban and rural landscape as well as those areas transitioning from urban to rural characters and identities. These latter, i.e. transitional landscapes, are complex and multifunctional systems that deserve a tailored approach to their analysis and planning. Moreover, rural and transitional landscapes are still undergoing rapid changes connected to the loss of agricultural land, often resulting in a mix of fragmented ecosystems.

Advances in landscape research, Earth Observation (EO), geospatial analyses and urban modelling have a significant potential to address the open challenges in assessing urban and rural landscapes. Moreover, spatial data infrastructures can play an important role in sharing data and information.

Theoretical and conceptual contributions as well as empirical evidences emerging from case studies are welcome. Expected papers deal with sustainable planning and management of urban and rural landscapes, planning and design of green infrastructures, spatial data infrastructures, remote sensing, and urban modelling in assessing urban and rural landscapes.

#### CHAIRS

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