

RT13 | INFORMATION COMMUNICATION TECHNOLOGY IN PLANNING AND DESIGN

Chairs

- Michele Campagna, Università di Cagliari
- Paulo Silva, Univerdidade de Aveiro

Speakers

- Zorica Nedovic-Budic, University of Illinois at Chicago;
- Ana Clara Mourao Moura, Universidade Federal de Minas Gerais;
- Elisabete Silva, University of Cambridge.

Description

We live in an increasingly networked world, where Information Communication Technologies (ICT) are pervasively affecting the way we live, the way interact, we play, we work.

An unprecedented amount of information coming from diverse digital sources at a finer resolution than ever in space and time, and shared through networks, is available to us, potentially enabling better understanding of the real world dynamics and supporting more informed decision-making.

Focus of this round table is the role of new Information and Communication Technologies in spatial planning and design, with respect to research, education and professional practice. The panelists will discuss from both the European and the American perspectives recent advances, existing barriers as well as opportunities for further development and innovation with regards to use of digital technologies in the representation and simulation of territorial dynamics, evaluation, design, impact assessment, decision-making, collaboration and public participation. The emergent Geodesign paradigm will be also discussed as possible integrating framework for driving current innovation towards a digital uptake in spatial planning and design.