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Special Session Proposal

Urban and territorial resilience: from measuring to building planning solutions

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Abstract

Resilience has been widely discussed in recent years in many different fields of study. However, it is still a vague concept and difficult to apply in practice.

The proposed session aims to provide a platform for discussion and in-depth exploration of the practical implementation of the resilience concept, with a particular focus on urban and territorial contexts. The main objectives of the session are:

- *Clarifying the concept of urban and territorial Resilience*: deepening the understanding of spatial resilience by framing it as a dynamic and transformative process that requires (more than just technical) innovation and adaptability, especially in an uncertain century of interconnected crises.
- *Researching and collecting indicators of Resilience*: recognizing the importance of systematically measuring resilience, the session focuses on the research and collection of progress, response, and efficiency indicators. This involves identifying metrics that provide a comprehensive understanding of strengths and weaknesses within the territorial system. The session encourages the creation of a spatially explicit reference catalogue of indicators.
- *Presenting Innovative Methods and Tools*: Exploring methods and tools to evaluate the effectiveness of adaptation and mitigation strategies in enhancing territorial resilience in multi-risk contexts and to define a better quality of life for local communities. Presenting **Urban Living Labs experiences** as an effective methodology towards the transition to resilient territories.
- *Highlighting Good Practices*: Showcasing case studies that exemplify successful approaches to building resilient territorial systems. These cases will serve as practical examples and sources of inspiration for participants seeking to enhance resilience in their respective contexts.
- Understanding **circularity principles** for planning resilient cities by deepening the mutual influences between circular metabolism and resilience, including the application of circular economy principles to multi-risk critical urban contexts.
- Focusing on different scales and disciplinary approaches to define a circular territorial metabolism through the proposal for resilience guidelines applied to risk mitigation measures with specific reference to specific territorial conditions and case studies.

By addressing these objectives, the session aims to contribute to a more comprehensive understanding of spatial resilience, and to provide valuable insights for developing practical solutions in the face of evolving global challenges.

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