



Circular Economy Urban Metabolism and Regional Development Challenges for a Sustainable Future

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Special Session (SS13) on:

Closing the loop of energy and materials in the urban built heritage

Organizer:

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The aim and scope of the special session:

To face the challenge of environmental efficiency, urban policies should aim to improve existent buildings' environmental performance by improving their energy performance, either in terms of operational energy or in terms of embodied energy.

This special session should discuss criteria and methods for the assessment of the impacts of urban buildings refurbishment, considering the risks and opportunities for their cultural values and environmental resources (energy and materials).

Bearing in mind criteria as urban context, architectural heritage, embodied energy and operational energy of existent buildings, the session should approach ways to measure risks and benefits of buildings' refurbishment.

Key-words: Buildings refurbishment; Embodied energy; Operational energy; Built Heritage

SUBMIT AN ABSTRACT