



THEMATIC SESSION ON REHABILITATION OF BUILDINGS AND SATISFACTION OF CONTEMPORARY REQUIREMENTS

ORGANIZERS

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AIM AND SCOPE OF THE SESSION

The buildings that began as a shelter and later as a means of ostentation for some individuals, evolved in the Middle Age with the need to ensure health conditions for all. Subsequently, minimum habitability areas and conditions were demanded and later rules were established to guarantee structural safety. More recently, have emerged regulatory requirements such as thermal and acoustic comfort, fire safety, accessibility, energy efficiency and sustainability.

Today there are new concerns that research is looking to forward: the relationship between housing and health, the definition of methodologies for housing risk assessment and the indoor air quality assurance, among other areas requiring a transdisciplinary approach, especially when considering the rehabilitation of existing buildings.

RECOMMENDED (but not exclusive) TOPICS

1. Practical examples of diagnosis and intervention in existing buildings
2. Principles, strategies and actions for buildings efficient rehabilitation
3. Technic inspection methods and diagnosis procedures for existing buildings
4. Indoor comfort parameters for human living
5. Renovation of different building infrastructures and systems
6. Costs of buildings rehabilitation and return on investments
7. Housing and health requirements in buildings
8. Indoor air quality and energy efficiency
9. New requirements for internal spaces in buildings