

KARMA

Circular Economy in the Construction Sector

Acting Today for a Better Future

Working Group 1- Circular construction and restoration of buildings of public relevance

08th July 2025 16:30 – 18.00

2nd workshop

“Mastering Circular Building Design: from principles to practice”

Online zoom platform link:

<https://us02web.zoom.us/j/84126998103?pwd=qcqbzD6GXslnqLT48qaOaNYWAYYelu3.1>

Definition

This working group is dedicated to promoting sustainable approaches in building construction and restoration, with a particular focus on circularity. Its core mission is to encourage the use of circular building materials and the adoption of design strategies that reduce environmental impact. The group aims to compile a comprehensive collection of best practices, including innovations in circular materials and construction methods, exemplary case studies of sustainable restoration, and policy frameworks that enable and support circular building initiatives. Key challenges include effectively integrating circular systems into both new builds and restoration projects, overcoming regulatory and logistical obstacles, and ensuring that restoration efforts are not only environmentally sustainable but also respectful of historical authenticity.

Challenges list

CIRCULAR DESIGN PRINCIPLES INTO CONSTRUCTION AND RESTORATION - *How can circular design principles be systematically integrated into construction and restoration*



practices, ensuring compliance with existing regulations, alignment with sustainability goals, and respect for cultural and architectural heritage?

This challenge invites participants to identify concrete pathways for embedding circularity in building processes—exploring technical solutions, regulatory adaptations, and incentive mechanisms. The group is expected to address barriers such as limited availability of circular materials, fragmented supply chains, and the complexities of balancing sustainability with historical preservation. *PP7_Eurokom Association (I*

Zoom link	
16.30 – 16.45	<ul style="list-style-type: none"> • Welcoming participants • Marisa Larosa - <i>Municipality of Gerace</i> • Raffaella Rinaldis - <i>Eurokom Association</i>
16.45 - 17.00	<ul style="list-style-type: none"> • Welcome greetings – Objective of the workshop as a learning activity - LP – City of Hamburg - - Renato Carere Calabria Region - Development Economic Department and Emanuele Carnevale Programmation Department. - Caterina Praticò - WG's coordinator - Eurokom Association
17.00 - 17:20	<ul style="list-style-type: none"> • Eurokom Association <p>Title: Adaptive technologies for circular design in urban clusters. A case study in Reggio Calabria</p> <p>Speaker: Giuseppe Mangano and Riccardo M. Pulselli (Mediterranes University of Reggio Calabria)</p> <p>Description: The experience of an integrated architectural design, implementing circular solutions with soil, water, energy, building materials and Nature Based Solutions to improve ecosystem services.</p>
17.20 - 17.40	<ul style="list-style-type: none"> • Eurokom Association <p>Title: “Calabria: Enhancing Earthen Architecture for a “Return” to</p>

	<p>Sustainable Building and Living”</p> <p>Speaker: Rosario Chimirri, architect, professor of Architectural History, University of Calabria</p> <p>Description: Calabria preserves a rich heritage of earthen architecture (adobe, pisé, sun-dried clay) that reflects centuries-old, place-based building knowledge. Reviving these techniques not only safeguards cultural identity but also promotes sustainable, low-impact construction. Earth is a natural, affordable, and circular material offering excellent thermal comfort with minimal energy use. Training, restoration, and the use of natural materials in new buildings can foster a meaningful return to healthier, more sustainable living.</p>
17.40 - 18.00	<ul style="list-style-type: none"> • City of Hamburg <p>Title: Project REcube: REthink, REvive, Reuse</p> <p>Speaker: (to be confirmed)</p> <p>Description: REcube – REthink, REvive, Reuse - REcube is a European Erasmus+ project coordinated by Politecnico di Milano and involving 11 architecture and engineering schools across Europe. Its goal is to train a new generation of professionals in the sustainable regeneration and reuse of post-war reinforced concrete heritage. Through online courses, international workshops on iconic buildings (such as those by Pier Luigi Nervi), and the development of practical guidelines, REcube promotes circular economy principles and innovative approaches to contemporary architectural conservation.</p>
18.00 – 18.15	<p>Q&A and conclusions</p> <p>Alessadra Tuzza - Modarator</p>