

# R&D PROJECT



multiclimact

## PROJECT PARTNERS

RINA-C  
ENEA  
UNIVPM  
UNICAM  
CMCC  
CAMERINO  
LIS  
ICLEI  
UKA  
Steinbeis  
FibrisTerre  
TUDELFT  
TEC  
COMSA  
CYPE  
BRC  
NAT  
AB BCN  
KTH  
Uponor  
REA  
NCSR  
UMinho

## BUSSINESS AREAS

Infrastructure area  
COMSA, S.A.

## DURATION

Oct 2023 - March 2027

## TOTAL FUNDED BUDGET:

7.499.66 €  
Comsa's funded budget:  
318.675 €

## KEYWORDS

Built environment resilience;  
resilience-enabling materials; life  
cycle approach; protective digital  
solutions

## COORDINATOR

Mireia Fernandez

## Title of the project

MULTI-faceted CLIMate adaptation ACTions to improve resilience, preparedness and responsiveness of the built environment against multiple hazards at multiple scales

## Acronym

**MULTICLIMACT**

## Content of the project

As climatic conditions are constantly changing and the frequency of extreme events increases, there is an urgency of planning, designing and retrofitting the built environment in order to adapt it to present and future risks. Too frequently the built environment is a driver of vulnerability, rather than being a shelter for citizens. For this reason, mitigation and adaptation need to be pursued actively, putting built environment and human resilience at the center of a climate and future-proofing action.

## General objectives

MULTICLIMACT Project aims to develop a mainstreamed framework and a tool for supporting public stakeholders and citizens to assess the resilience of the built environment and its people at multiple scales (buildings, urban areas, territories) against locally relevant natural and climatic hazards and supply-chains, as well as to support them to enhance their preparedness and responsiveness across their life cycle.

## Project tasks

Phase 1: Plan and Design

- WP1 MULTICLIMACT as a mainstreamed resilience framework
- WP2 Design practices and methods
- WP3 Materials and Technologies
- WP4 Digital solutions
- WP5 Communication, Dissemination, Exploitation (C&D&E)
- WP6 Project Coordination

Phase 2: Develop

- WP7 MULTICLIMACT as a mainstreamed resilience framework
- WP8 Design practices and methods
- WP9 Materials and Technologies
- WP10 Digital solutions
- WP11 MULTICLIMACT in-field demonstration – Test
- WP12 MULTICLIMACT C&D&E, while maximizing social innovation
- WP13 Project Coordination

Phase 3: Test

- WP14 MULTICLIMACT as a mainstreamed resilience framework - Revise
- WP15 MULTICLIMACT in-field demonstration - Deploy
- WP16 MULTICLIMACT C&D&E, while empowering marketability, scalability and replicability
- WP17 Project Coordination

## Results and conclusions

Project in progress

