

The Project



Prep2Shelter aims to foster anticipatory disaster shelter planning through the development of a multicriteria methodology and dedicated decision-support IT tool for civil protection authorities. These outputs will strengthen the capacity to anticipate shelter needs, assess available facilities, and support more effective disaster preparedness.

The project adopts a collaborative and interdisciplinary approach, fostering knowledge exchange among scientists, disaster risk management practitioners, and local communities. This enables the integration of a broad spectrum of knowledge, from science-based data to practical, field-based expertise.

Prep2Shelter's key focus is collective infrastructure, such as multi-purpose public facilities and schools. These are commonly converted into emergency shelters during disasters. To ensure that these facilities can adequately meet the needs of affected populations, planning and preparedness are essential. Assessing their suitability across different hazard scenarios helps to create safer, more effective, and inclusive shelter solutions.

Consortium



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL



ISTITUTO NAZIONALE
DI GEOFISICA E VULCANOLOGIA



National Technical
University of Athens



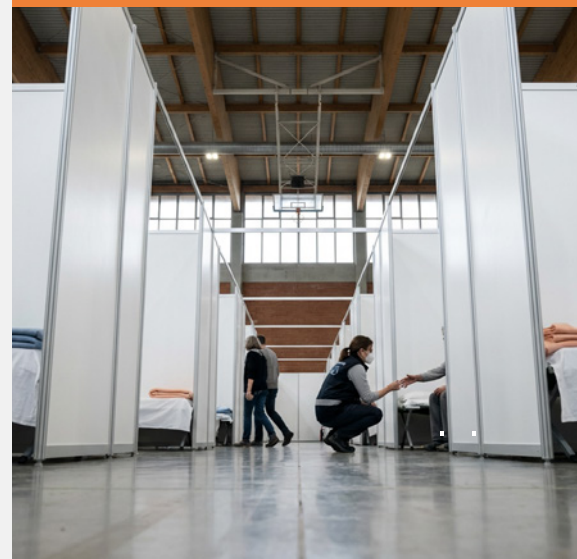
Sociedade Portuguesa de Inovação



UNIVERSITY
OF ICELAND



Strengthening Preparedness and Community Awareness for Natural Disaster Sheltering



979 737€



24 Months



5 Partners



4 Countries

Objectives

Prep2Shelter pursues four objectives aligned with UCPM Priorities 2, 1, and 4 ("Anticipate, Prepare, Secure"), with the ambition of improving the capacity to anticipate risks, strengthen preparedness, and deliver safe and reliable shelter solutions for affected populations.



Develop a multicriteria methodology and decision-support tool



Incorporate the needs of communities and vulnerable groups



Enable collaboration and knowledge exchange

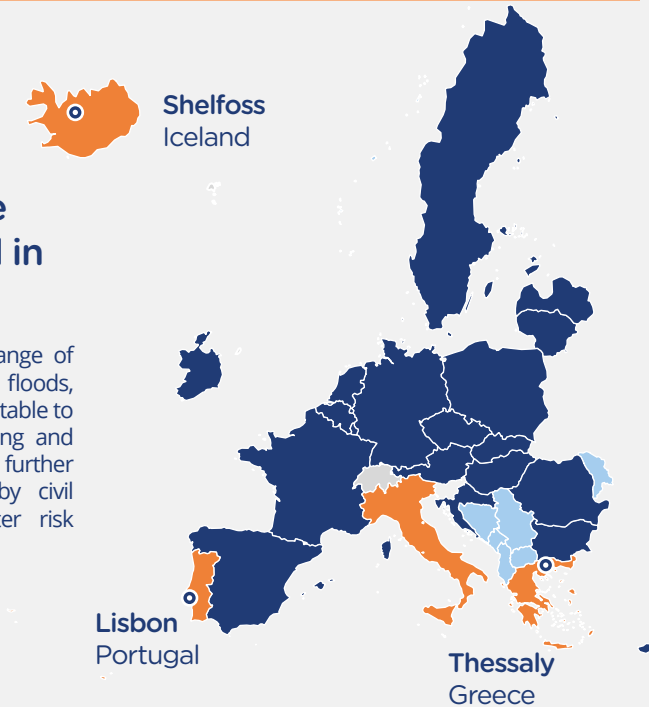


Improve anticipatory shelter planning capacity

Pilot Areas

Multicriteria methodology will be tested and validated in three pilot areas

These pilot areas will address a range of risks, including earthquakes and floods, ensuring that the solutions are adaptable to different contexts. Hands-on training and capacity-building activities will further support the uptake of results by civil protection authorities and disaster risk management (DRM) stakeholders.



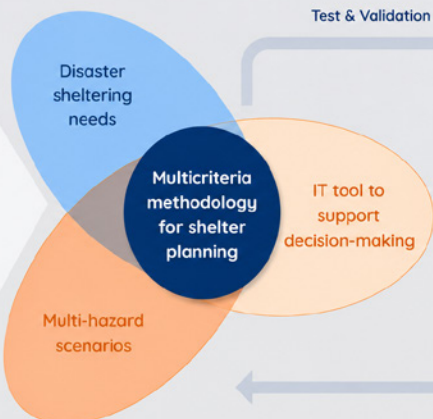
Work Plan

Science input:

- Literature review
- In-depth analysis of past disasters
- Lessons learned.

Stakeholders:

- DRM practitioners;
- Civil Protection actors;
- Experts.



LISBON
(Portugal)
earthquakes



SELFLOSS
(Iceland)
earthquakes



THESSALY
(Greece)
Floods & earthquakes

The Disaster Resilience Goals



Trends in natural hazards and disasters indicate increasing impacts worldwide, particularly in terms of economic losses and exposure. In Europe, global warming is increasingly affecting regions, with climate-related hazards such as heatwaves, floods, storms, and wildfires becoming more severe and impactful.

Prep2Shelter directly contributes to the implementation of the EU **Disaster Resilience Goals (UDRG)** by addressing key strategic priorities, including improved risk anticipation, enhanced preparedness, and strengthened disaster response capacities.