



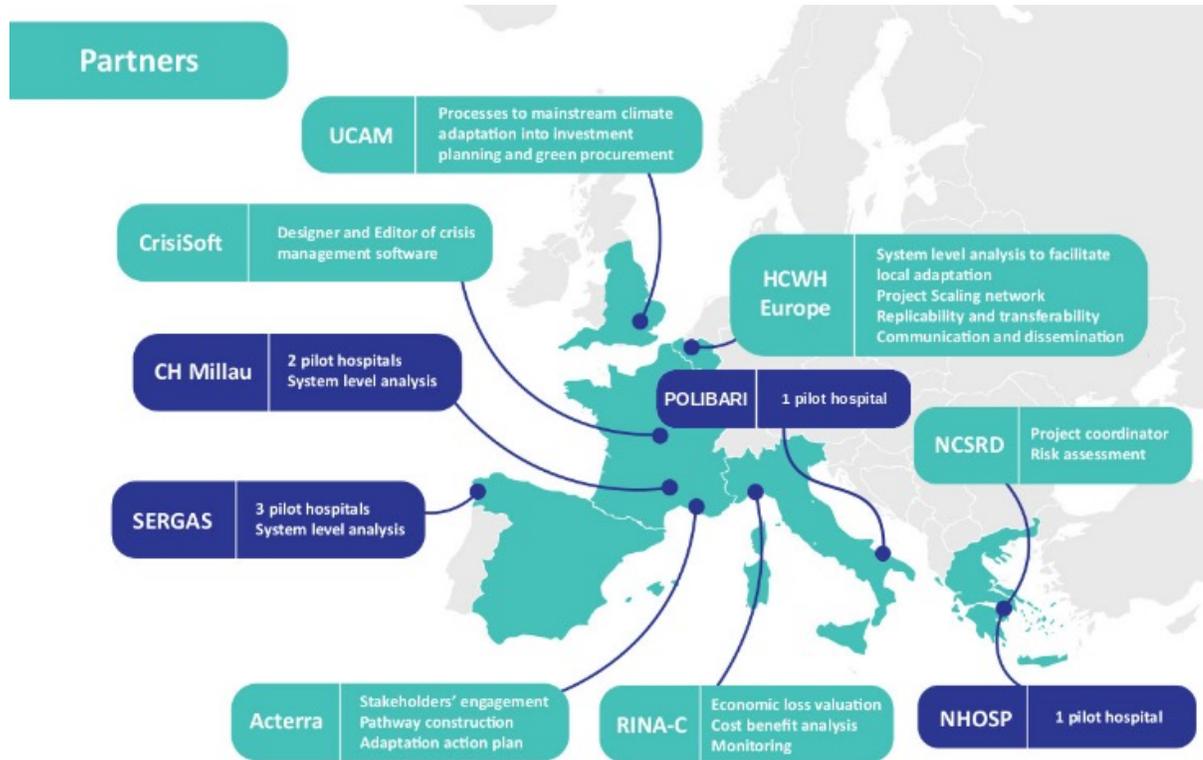
DURATION 09/2021 - 08/2025

PROJECT LOCATION: Belgium, France,
Greece, Italy, Spain,
United Kingdom

BUDGET INFO: Total amount: 5,157,112 Euro
% EC Co-funding: 55%

LIFE RESYSTAL-Climate change REsilience framework for health SYStems and HospiTALS

Beneficiaries



Coordinator

Technical partners

Pilot hospitals

Coordinator: ΔΗΜΟΚΡΙΤΟΣ DEMOKRITOS

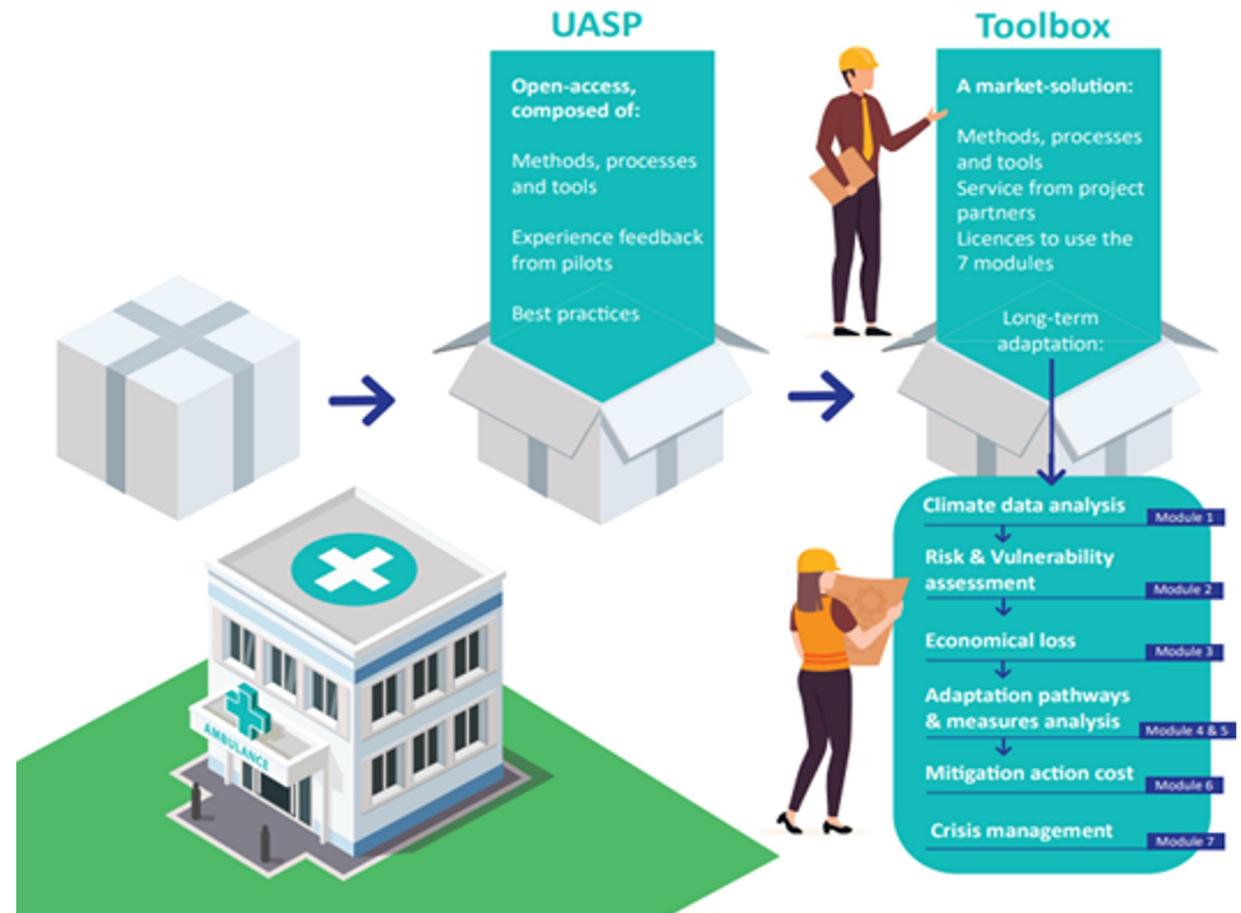
Technical partners: UNIVERSITY OF CAMBRIDGE, acterra ENVIRONMENT CLIMATE CHANGE, RINA, CrisiSoft Systèmes de gestion de crises, Health Care Without Harm

Pilot hospitals: AZIENDA OSPEDALIERA POLICLINICO BARI, CENTRE HOSPITALIER DE MILLAU www.ch-millau.fr, SERVICIO GALEGO de SAÚDE, ΓΕΝΙΚΟ ΝΟΣΟΚΟΜΕΙΟ ΝΙΚΑΙΑΣ ΠΕΙΡΑΙΑ "ΑΓΙΟΣ ΠΑΝΤΕΛΗΜΩΝ" 2η Υ.ΠΕ. ΠΕΙΡΑΙΩΣ & ΑΙΓΑΙΟΥ

Objectives

- Increase climate adaptation capacities and resilience of the European Health infrastructure and related dependent critical infrastructures
- Produce innovative solutions that will be tested in 7 pilot hospitals of Spain, France, Italy and Greece
- Engage stakeholders, policy makers, healthcare personnel via Communities of Practice

Key deliverables

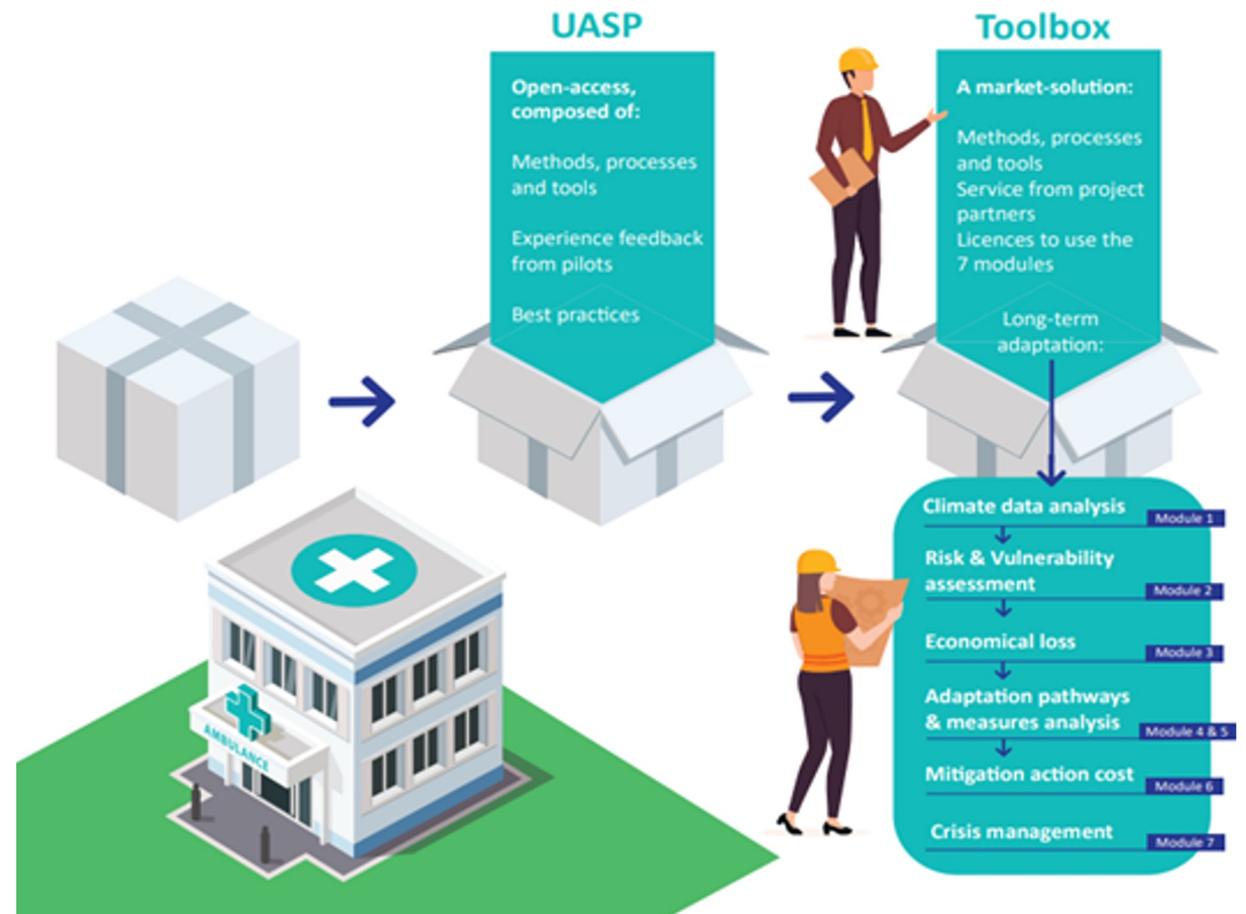


Scope

The project will

- Tackle Climate Change Adaptation issues in European health infrastructure
- Address gaps in the climate resilience of European health systems
- Pave the way for *better assessment of health system climate vulnerability*,

Key deliverables



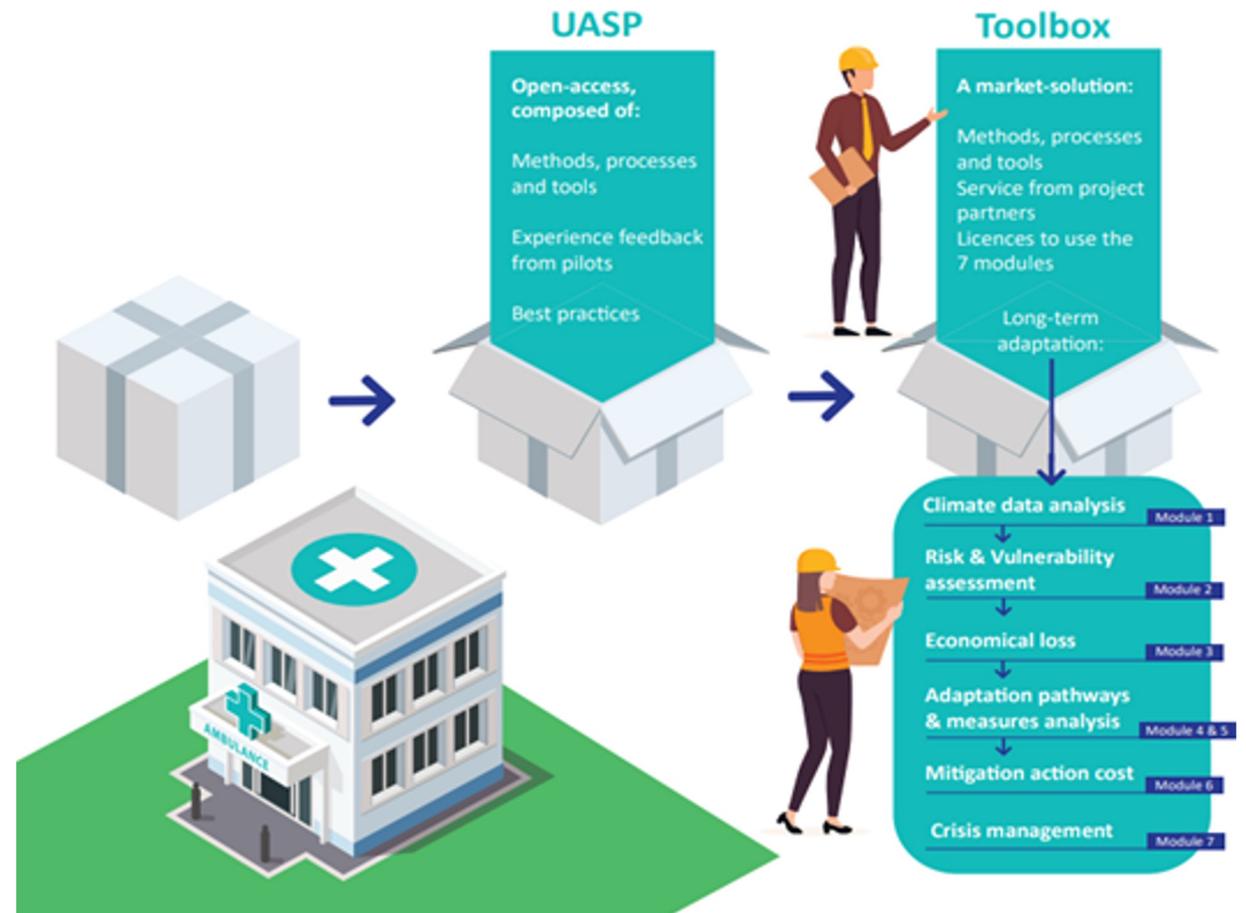
Scope

The project will

- Provide an improved analysis of interdependencies between infrastructures ensuring a secured health service provision
- Provide a better investment decisions to consider and encourage climate change adaptation
- Demonstrate the above framework in 7 pilot hospitals across Europe



Key deliverables



Expected impacts of LIFE RESYSTAL project

Improvement of adaptation and resilience of health facilities and operations

- 10% in the impact of extreme climatic events on patients
- $> -1^{\circ}$ C in average air temperature in proximity of green solutions
- A runoff reduction of about 15% thanks to the green adaptation measures
- A reduction of at least 31 281 patients at risks every year;
- A reduction of more than 60% of buildings at risk (46 buildings)
- Improved resilience for critical infrastructures such as clinical services, laboratories, emergency, boiler rooms located in flood hazard zones

Paved way for the upscale of adaptation initiatives in health systems

- Established European community for health sector CCA
- Better future CCA in hospitals to be built of 2 pilots

Co-benefits of CCA in the health sector

- Increased ecosystem value and improved biodiversity protection through green and blue infrastructures
- Improvement in air quality thanks to air pollutants removals, up to 10 kg
- About 10% reduction of heat island effect through green infrastructures
- Reduction of energy consumptions for indoor cooling
- At least 3,500 kg of net sequestered carbon 5 years after the end of the project.



Policy implications of LIFE RESYSTAL project

Addresses the Climate Change Adaptation (CCA) policy priority of the LIFE 2020 programme for the following reasons:

1. Provide best practices on CCA measures, thus contributing to the development and implementation of *Union policy on climate change adaptation*.
2. Prioritize ecosystem-based approaches, contributing to the *improvement of the knowledge base* for the development, assessment, monitoring, evaluation and implementation of effective CCA
3. Facilitate the development and implementation of integrated approaches for CCA strategies and action plans and better *articulate the two levels (local, national)*.
4. *Replicability and transferability* purposes of tools and methodologies towards large use of the project results.

Contribute to Disaster Risk Reduction, thus to the Sendai Framework (2015), the 11 the United Nations' Sustainable Development Goal



CONTINUATION (REPLICATION, TRANSFER, MARKET UPTAKE)



- Set the basis of a European Network for the climate adaptation creation of large Scaling Network
- Open Access exploitable result, the Upscaling Adaptation Starting Package (UASP)
- Guidance for system-level adaptation

