Research Project Fact Sheet

Title of Project	User driven climate applications empowering regional resilience
Project Acronym	ClimEmpower Clim EMPOWER
Funding Program	HORIZON-MISS-2022-CLIMA-01-01
Project Identifier	HORIZON-RIA
Total Budget	€3,072,468.89 (€2,997,468.50)
Starting – Ending Date	09/2023-08/2026
Consortium	1. Austrian Institute of Technology (AIT - Coordinator) 2. Aquatec proyectos para el sector del agua SA (AQUA) 3. Fundacion centro andaluz de investigaciones del agua (CET) 4. PLINIVS Study Center (PLINIVS) 5. Sveučilište u Zagrebu Fakultet elektrotehnike i računarstva (FER) 6. European Centre for Medium-Range Weather Forecasts (ECMWF) 7. The regional government of Andalusia (ANDALUS) 8. Osječko-Baranjska županija (OBZ) 9. Agencija za zaštitu prirode Osječko-Baranjske županije (AZP-AZP) 10. Centre for Research and Technology Hellas – Information Technologies Institute (CERTH) 11. Frederick Research Center (FRC) 12. Regione Siciliana (SICILY) 13. Perifereia Stereas Elladas (PSTE) 14. Troodos Development Company (ANET)
Project Objectives	ClimEmpower aims to strengthen climate resilience in five South European regions with high climate change (CC) risk and limited adaptive capacity. By establishing regional Communities of Practice (CoPs), the project will co-create development strategies tailored to each region's needs. This will be achieved through user-driven climate tools, capacity building, and sharing best practices from other European projects. The ClimEmpower team will support regional administrations in organizing CoPs, bringing together "quadruple helix" stakeholders to discuss climate adaptation needs and explore pathways to a resilient, equitable, and sustainable future. These activities will be backed by data-driven Decision Support services for strategic CC adaptation, as well as accessible educational materials on CC risks and adaptation options, guiding users on project tools and transferring knowledge from successful EU projects. The project will develop a generic interface to the C3S Climate Data Store, CC hazard and risk assessment services, and screening tools to compare adaptation strategies. These services will leverage open data and infrastructures, supplemented by locally collected data to enhance granularity and validate predictions, ultimately supporting strategic, region-specific climate adaptation.
Work Packages	WP1 - Regional CC-resilience background, challenges and expectations WP2 - Addressing the CC data and knowledge gaps WP3 - User-centric CC-resilience enhancing services WP4 - Empowering the regions WP5 - Enhancing the Outreach and Impact

WP6 - Project coordination and management

External References