

HORIZON-MISS-2022-CLIMA-01-01: User-driven applications and tools for regional and local authorities, and other end-users focusing on climate impacts, data and knowledge	
Deadline	27 September 2022 – 17:00 CET
Expected duration	n/a
TRL	TRL 5 – 6 by the end of the project (RIA)
Description	<p>Scope:</p> <p>This topic aims at preparing and planning for climate resilience and understanding climate change-related risks. Proposals should develop new technologies addressing access to key climate data and information services; such technologies will use improved user-defined and user-friendly tools tailored to regional and community level applications for adaptation to climate change able to build climate resilience in all sectors involved.</p> <p>Results must contribute to the following outcomes:</p> <ul style="list-style-type: none"> - Better access to climate data in the C3S Climate Data Store, Climate-ADAPT and European projects or other initiatives into user-relevant climate change services, in combination with locally sourced data and information. - Beyond-state-of-the-art relevant information services and tools tailored to Mission users' needs, with customizable data-manipulation tools - Quality-controlled climate data services that the Mission could build upon - Tested FAIR data governance and management mechanisms that enable the sharing, community validation and use of locally sourced data and information, in combination with authoritative data and information as part of the European Green Deal Data Space. - Demonstrated application in at least 5 EU regions or communities <p>Type of activities:</p> <p>Proposals should address among other:</p> <ul style="list-style-type: none"> ❖ Set forth improved user-defined data manipulation tools that can be used, reused and further developed, thereby contributing to an ecosystem of readily available tools and integrated information services. The tools developed should be designed as a component of a decision support tool for public authorities integrating socio-economic aspects and allowing them to assess risk-reduction benefits of various adaptation solutions across several regions. ❖ Consider the impacts of climate change on key community systems, across several climate regions and how their functioning might be affected by climate change-induced risks. ❖ Develop a gap analysis of accessibility, usability, customization and adaptability of existing European relevant information (including climate, socio-economic, and demographic information) services concerning user needs at regional and community levels. Prepare and implement training and capacity building, adapted for non-experts local end-users to support them in using or tailoring the tools developed by the project. ❖ Identify data availability and data accessibility gaps, and overcome barriers and limitations of existing approaches. <ul style="list-style-type: none"> ➢ Consistency in the definition of climate risk indicators ➢ Socio-economic data at the local level; ➢ Access to EU digital infrastructures; ➢ Destination Earth, European Open Science Cloud, Copernicus DIAS and GEOSS. ❖ Address the provision of user-relevant climate change indicators linked to socio-economic and demographic data to public authorities and Mission end users. ❖ Factor in the effect of multiple hazards ❖ Give due regard to the Commission's <i>technical guidance on the climate-proofing of infrastructure in the period 2021-2027</i>, ❖ Ensure the solutions' long-term viability through integration within the toolbox of the Climate Data Store and/or other operationally supported technical infrastructures. ❖ Priority should be given to regions or communities with high vulnerability, limited resources and/or low adaptive capacity to climate change impacts.

	Eligibility: Collaborative project with at least 3 independent entities from 3 different eligible countries (member states or affiliated countries).	
Budget	Budget per project: 2-3 M € - 2 to 3 project funded Funding rate: 100%	
Analysis	Advantages:	Drawbacks
	<ul style="list-style-type: none"> • Clear need for a link between climate and geographical data • Priority should be given to regions or communities with high vulnerability, limited resources and/or low adaptive capacity to climate change impacts. Some members of EuroGeographics are of interest. 	<ul style="list-style-type: none"> • Budget quite limited regarding the number of expected activities • High competition even if at least 2 projects will be funded