This topic requires the effective contribution of social sciences and humanities (SSH) disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects enhancing the societal impact of the related research activities.

Applicants envisaging to include clinical studies[116] should provide details of their clinical studies in the dedicated annex using the template provided in the submission system.

HORIZON-HLTH-2027-01-ENVHLTH-MISSCLIMA-03: Tools and technologies to support health adaptation to climate change

Call: Cluster 1 - Health (Single stage - 2027/1)	
Specific conditions	
Expected EU contribution per project	The Commission estimates that an EU contribution of between EUR 4.00 and 5.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is EUR 20.00 million.
Type of Action	Pre-commercial Procurement
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: In recognition of the opening of the US National Institutes of Health's programmes to European researchers, any legal entity established in the United States of America is eligible to receive Union funding. If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used). The specific conditions for actions with PCP/PPI procurements in section H of the General Annexes apply to grants funded under this topic.
Legal and financial set-up of the Grant Agreements	The rules are described in General Annex G. The following exceptions apply: Beneficiaries must ensure that the subcontracted work is performed in the EU and Associated Countries - unless otherwise approved by the granting authority.

[116] Please note that the definition of clinical studies (see introduction to this Work Programme part) is broad and it is recommended that you review it thoroughly before submitting your application.

	Grants award under this topic will have to submit the following deliverable: To stimulate dialogue with the supply side, procurers are required to organise an open market consultation before launching the procurement and deliver a report on the outcomes of this consultation. Beneficiaries will be subject to the following additional dissemination obligations: Procurers are required to promote the call for tenders widely across the EU and Associated Countries to potentially interested suppliers. Beneficiaries may provide financial support to third parties to ensure the deployment and impact of the project outcomes. The support to third parties can only be provided in the form of grants. The maximum amount to be granted to each third party is EUR 60 000. The specific conditions are described in General Annex H. PCP procurement costs are eligible. The granting authority may, up to 4 years after the end of the action, object to a transfer of ownership or to the exclusive licensing of results, as set out in the specific provision of Annex 5.

Expected Outcome: This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination "Living and working in a health-promoting environment" and the EU Mission on Adaptation to Climate Change. To that end, proposals under this topic should aim to deliver results that are directed at, tailored towards and contributing to most of the following expected outcomes:

- Populations, public authorities and healthcare systems benefit from innovative solutions and technologies to increase surveillance and prevention and reduce climatic and environmental health risks.

- Policymakers and public authorities develop and implement environment, climate change and health policies and interventions supported by nearly fit-for-use solutions that can be further upscaled and deployed.

Scope: Enhancing the adaptive capacity and resilience of healthcare systems and communities is crucial to prevent and reduce the health impacts of climate change. However, many of the urgently needed technologies, tools, systems and solutions are still at an early developmental stage, relying on further support for development and testing. Proposals under this topic are expected to close this gap and build on innovations being developed in the field, supported through, among others, EU Research and Innovation (R&I) funding. In this context, Pre-commercial Procurement (PCP) projects can drive innovation and speed up the development of technologies for health adaptation to climate change by supporting the research and development of solutions to increase the resilience and preparedness of healthcare systems, communities and individuals against climate change. By focusing on early-stage solutions, PCP fosters collaboration between public sector buyers (e.g. public authorities, local authorities,

health organisations) and private developers to create climate adaptation technologies, systems and solutions in the context of human health. These solutions will accelerate the transition to more climate-resilient healthcare systems and societies.

PCP actions target consortia of procurers with similar needs that want to jointly procure the development of innovative solutions for supporting adaptation efforts. This topic does not provide direct funding to developers, industry or research organisations to perform Research and Development (R&D). They will be able to respond to the call for tenders launched by consortia of procurers funded under this topic.

Proposals under this topic should support the development of innovative solutions, tools and models to enhance surveillance, prediction, prevention, risk management and diagnosis (e.g. testing), supporting the adaptation, resilience, and preparedness of healthcare systems and populations to climatic and climate-related environmental health risks.

More specifically proposals can support any of the areas listed below:

- Geospatial technologies and decision-support frameworks that help local authorities and healthcare providers track at “high resolution” and better manage direct and indirect health risks related to climate change.
- Real-time risk surveillance and early-warning technologies and monitoring tools that provide critical information for timely decision-making and responses related to the health risks of climate change.
- Technologies and solutions that facilitate the transition to climate-resilient healthcare facilities and services. Activities targeting the general infrastructure (e.g. ventilation, construction or refurbishment) are out of scope.
- Technologies, tools, procedures and solutions for health risk management, prevention and resilience, enhancing strategies and interventions for health adaptation to climate change in communities and occupational settings.
- Innovative tools reducing risk and exposure to climate related environmental factors that exacerbate health risks.

This topic considers tools and technologies that could be developed and tested to support adaptation at both the community and healthcare system levels[117]. This approach would comprehensively address the needs of health authorities and those of local authorities and public organisations involved in risk management. Consortium composition could include diverse stakeholders such as hospitals, primary healthcare providers, domestic care services, municipalities, civil protection entities and government agencies. The focus can extend beyond climate variables to include other related environmental and ecological factors (for example air pollution) that interact with climate change and impact public health.

[117] For digital technologies concerned, appropriate measures for the security of the communications between the intended parties should be considered, in particular based on the use of post-quantum cryptography.

Proposals are encouraged to consider, where relevant, the data, expertise and services offered by European research infrastructures[118] in the environment, climate and health domain.

Continuous dialogue between demand and supply side is required for the success of PCPs, therefore the effective involvement of end users should be considered in the proposal.

Involvement of procurement decision makers is needed to ensure that end solution(s) are adopted by healthcare systems and/or local authorities and public organisations increasing the societal impact of the related research activities. Therefore, procurers should declare in the proposal their interest to purchase at least one solution resulting from the PCP in case the PCP delivers successful solutions and indicate whether they will i) procure the solution(s) as part of the PCP or ii) in a separate follow-up procurement after the PCP. In the first case, procurers can implement the project as a fast-track PCP (see section H of the General Annexes of this Work Programme for further details) and foresee the budget to purchase at least one solution during the PCP. In the second case, the procurers should include in the proposal a deliverable that prepares the follow-up procurement to purchase successful solution(s) after the PCP.

This topic is co-financed by the EU Mission on Adaptation to climate change[119] and supports the follow up to the 2023 Communication on the Missions[120]. Projects are encouraged to channel their activities through the Mission Implementation Platform[121] and the Mission's Community of Practice[122].

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118 The catalogue of European Strategy Forum on Research Infrastructures (ESFRI) research infrastructures portfolio can be browsed on the ESFRI website: https://ri-portfolio.esfri.eu

119 https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/adaptation-climate-change_en

120 https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52023DC0457&qid=1693304388860

121 Initially established by MIP4Adapt (https://climate-adapt.eea.europa.eu/en/mission/the-mission/about-mip4adapt, https://fedarene.org/project/mip4adapt) and extended under the contract CINEA/2025/OP/0014.

122 https://climate-adapt.eea.europa.eu/en/mission/community-of-practice