

PROTECT's ACTIONS



Market gap analysis of needs for climate services

- Analysis of Member States' climate action and innovation procurement policy frameworks
- Creation of a taxonomy of climate services per application domain
- Preliminary assessment of public buyers' needs through various consultation methods



Building and engaging a community of climate services buyers

- Fresh market intelligence knowledge and materials about environmental observation and climate services
- Hands-on trainings and capacity-building activities
- On-demand consulting activities to address specific urgent needs



Bridging the demand and supply gap for climate services and preparing the Pre-Commercial Procurement

- Aggregation of public buyers' needs
- State-of-the-art analysis of climate services
- e-pitching sessions with climate services providers
- Open market consultations
- Pre-Commercial Procurement tender documentation

ABOUT PROTECT



STARTING DATE
01 June 2022



DURATION
24 months



BUDGET
2M€



AIM : Prepare the ground for and facilitate the undertaking of joint, cross-border, coordinated Pre-Commercial Procurement(s) in the area of climate change adaptation and mitigation to enable the up-scaling and wide use of climate services using environmental observation (EO) to respond to common needs in this area.



PROJECT COORDINATION

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PROJECT PARTNERS



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PROTECT

PROCURING INNOVATIVE CLIMATE CHANGE SERVICES



Be a forerunner in delivering Europe's climate change adaptation and mitigation agenda through the procurement of innovative climate services



THE CHALLENGE & THE OPPORTUNITY

While European cities and regions' demand for climate services is **highly fragmented and prevents the formulation of realistic needs** to the climate services' market, **both sides are not sufficiently informed** about the potential of data collected through **environmental observation modalities** to help advance the development of climate services. Through Pre-Commercial Procurement, cities, regions, and other public buyers can steer the development of climate services based on environmental observation towards their needs, thereby achieving their climate change adaptation and mitigation objectives.



WHAT POLICY PRIORITIES ARE SUPPORTED ?

Climate change adaptation: The development and roll out of systemic adaptation solutions to help reduce climate-related risk and increase climate protection.

Climate change mitigation: The prevention and reduction of climate-related risks to make the impacts of climate change less severe.



WHAT TYPE OF DATA IS COLLECTED ?

Space-based observation: Data collected by satellites allowing earth observation and monitoring.

In situ observation: Data collected by physical observations, such as air temperature or ocean currents, reference data (e.g. maps), and economic, environmental and social information.

Citizen observation: Data collected by community-based environmental monitoring and information systems and typically shared by citizens through mobile phone or the web.



HOW CLIMATE SERVICES WILL BE DEVELOPED AND PURCHASED ?

Pre-commercial Procurement is an approach to the public procurement of research and development services that helps stimulate innovation as it enables the public sector to steer the development of new solutions directly towards its needs.

PRIORITY DOMAINS

PROTECT will look at public buyers' most pressing needs in 5 application domains where climate services could bring significant impacts in mitigating and adapting to the risks and effects of climate change. Each domain contributes to achieving several of United Nations Sustainable Development Goals

SUSTAINABLE URBAN COMMUNITIES

Green and sustainable urban communities operating their human, natural, and financial capital with the goal to meet current and future needs in a sustainable manner, while prioritising a long-term perspective.



ENERGY AND UTILITIES

All activities related to water supply, sewage services, electricity, dams, and natural gas.



CIVIL SECURITY AND PROTECTION

The policies, bodies, and mechanisms that a country or region has in place to protect against new and urgent climate threats to the security of people and/or the functioning of critical infrastructures.



AGRICULTURE, FORESTRY AND OTHER LAND USE

Unsustainable use of agricultural and forest practices that creates huge amounts of greenhouse gases and disrupt the already fragile equilibrium in local ecosystems.



MARINE AND COASTAL ENVIRONMENTS

Aquatic environments with high levels of dissolved salt, including open oceans, deep-sea oceans, and coastal marine ecosystems.

