

Challenge addressed

To strengthen the European Research Area in the domain of Earth Observation in coherence with the European participation to Group on Earth Observation (GEO) and the Copernicus.

Overarching goal

Development of a Transnational Environmental Observation System in Support of European & International Policies through the integration of real-time monitoring data from several platforms, modelling tools and advanced, global, cyber-infrastructure for data sharing and interoperability.

Specific objectives

- ▶ **To prepare** and launch a two-stage joint transnational call along four Strands
- ▶ **To fund** projects according to a priority list set by external experts
- ▶ **To monitor** funded projects and report progress accordingly
- ▶ **To develop** a strategic research agenda to reinforce the ERA and to coordinate the cross- and inter-cooperation of European and national programs in key and selected EO domains.
- ▶ **To coordinate** initiatives with the aim to improve the interoperability among the existing and future projects on EO and links to the GCI.

Using state-of-the-art Key-Enabling Technologies KETs
(i.e. Data Policy and Quality, e-Infrastructure & Interoperability)

Strands selected to implement

ERA-PLANET



Strand 1

Smart Cities and Resilient Societies addressing issues such as urban growth, air quality, natural and manmade disasters, health, contaminated sites.

Strand 2

Resource Efficiency and Environmental Management including water, energy, food security, biodiversity.

Strand 3

Global Change and Environmental Treaties with focus on toxic and persistent pollutants, harmonization of atmosphere-ocean-terrestrial observations and models, ecosystems' response, support to policy implementation.

Strand 4

Polar Areas and Natural Resources targeted at environmental pressure from increasing anthropogenic activity, including monitoring and assessment of ecosystems' quality in Arctic and Antarctic.



Countries participating to ERA-PLANET

