Earth Observation activities are performed at local, regional, national and European levels to meet the needs of public and private users. Would benefit from more synergies at European level.

WHAT WILL BE THE VALUE OF EUROGEOSS?

EuroGEOSS will achieve critical mass in Europe by combining existing European Earth Observation assets and initiatives and demonstrating pilot applications supporting governments in their decisions, boosting innovation and improving lives in Europe.

FOR EXAMPLE EuroGEOSS could link European demand and supply to improve:

- Public Health Surveillance
- Infrastructure and Transport Management
- Sustainable Urban Development
- Water Resources Management
- Biodiversity and Ecosystem Sustainability
- Disaster Resilience
- Energy and Mineral Resources Management
- Food Security and Sustainable Agriculture

private-sector companies requiring Earth Observation applications for market development or to improve their services.

researchers and scientists performing environmental related analyses

citizens who want to know more about their environment

European, national and local government decision-makers

EUROGEOSS ACTIVITIES

EuroGEOSS will focus on leveraging existing European capacities and seek synergies in programmes and funding schemes.

provide an inventory of innovation activities ongoing in Europe

scale-up and showcase selected EuroGEOSS pilot applications

support national Earth Observation efforts in Europe

support international efforts to coordinate Earth Observation activities

Earth Observation is based on a range of global, European and/or national sources. These include satellites, air-borne, sea-borne and land-based sources, including from citizens.

Copernicus an EU programme to develop information services based on data from space satellites and other non-space sources

In-situ data from national and European sources, e.g.

INSPIRE (Infrastructure for Spatial Information in Europe)

Horizon 2020 provides dedicated research funding for EuroGEOSS GEOSS data, via the GEOSS Common Infrastructure (GCI)

European Space Agency

THE MAIN SOURCES ARE

CONTRIBUTION TO GLOBAL EFFORTS

The Group on Earth Observations (GEO) – a global effort to increase our understanding of Earth processes and improve forecasting.

GEO is a partnership of more than 100 governments, 100 participating organisations and the European Commission.

GEO implements GEOSS – decisions and actions for the benefit of humankind are informed by coordinated, comprehensive and sustained Earth observations.

EUROGEOSS AND COPERNICUS

EuroGEOSS will be a gateway for European Earth Observation programmes and projects to GEOSS, with Copernicus as a major element.

WHAT IS EUROGEOSS?

EuroGEOSS is the European component of the Global Earth Observation System of Systems (GEOSS) with a focus on coordinating and scaling up user-driven applications being developed in Europe. This GEO regional initiative aims to improve user uptake of Earth Observation data and improve forecasting capabilities for sound decision-making by governments for Europe's benefit.

TAILORING EARTH OBSERVATION SERVICES TO EUROPE'S NEEDS

Coordinate, combine and cooperate WITH THE SUPPORT OF THE GROUP ON EARTH OBSERVATIONS /ParenleftGEO/Parenright

https://www.earthobservations.org/geoss.php

http://ec.europa.eu/research/eurogeoss

#EUROGEOSS | @EO4INNOVATIONEU | WWW.COPERNICUS.EU | @COPERNICUSEU

FEATURES OF FUTURE EUROGEOSS PILOT APPLICATIONS

- existing applications – scale-up and/or combine and strengthen by adding other sources of data
- applications incubation – bring them from the research stage to operational deployment and/or commercialisation
- European-based initiatives contributing to global Earth Observation efforts
- commercial sector encourage contribution and define sustainability options