



## TAILORING EARTH OBSERVATION SERVICES TO EUROPE'S NEEDS

*Coordinate, combine and cooperate*



### 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.

### 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.

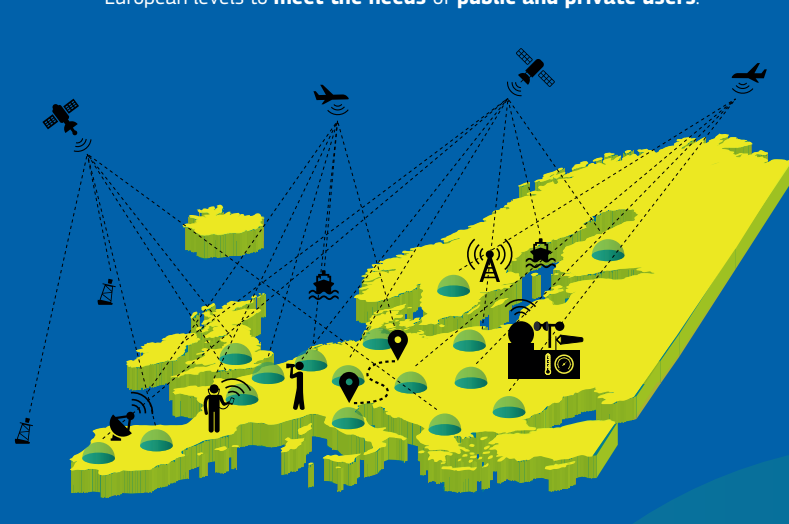
### EUROGEOSS AND COPERNICUS

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

### CURRENT EUROPEAN SITUATION

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:

★  
Water Resources  
Management



★  
Sustainable  
Urban Development



★  
Infrastructure and  
Transport Management



★  
Public Health  
Surveillance



★  
Food Security and  
Sustainable Agriculture



★  
Energy and Mineral  
Resources Management



★  
Disaster  
Resilience



★  
Biodiversity and  
Ecosystem Sustainability



### 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

### WHO BENEFITS?

European, national and local government **decision-makers**

**citizens** who want to know more about their environment

**researchers and scientists** performing environmental related analyses

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

### DATA SOURCES

**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**.

### THE MAIN SOURCES ARE

**Copernicus**

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



### FEATURES OF FUTURE EUROGEOSS PILOT APPLICATIONS



**GROUP ON EARTH OBSERVATIONS (GEO)**

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

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

#EUROGEOSS

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