



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

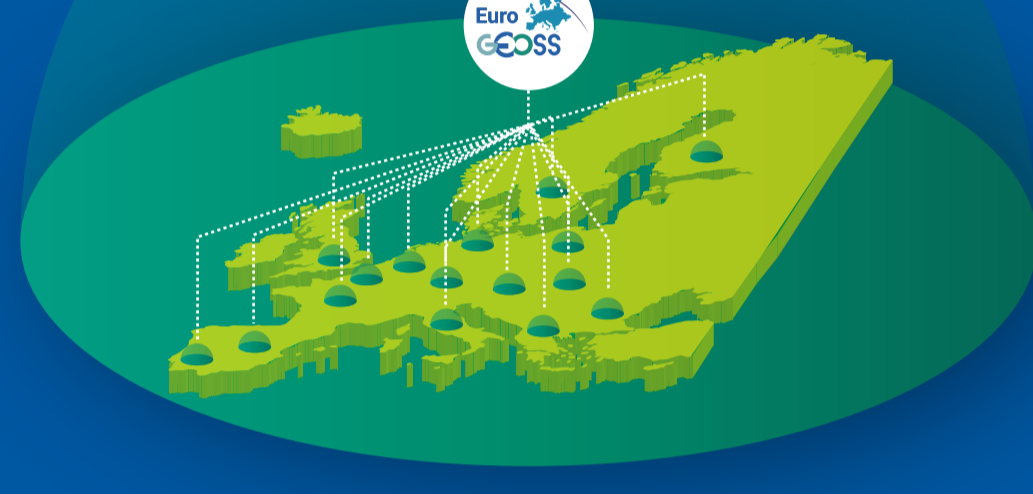
Earth Observation activities are performed at local, regional, national and European levels to **meet the needs of public and private users**.

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

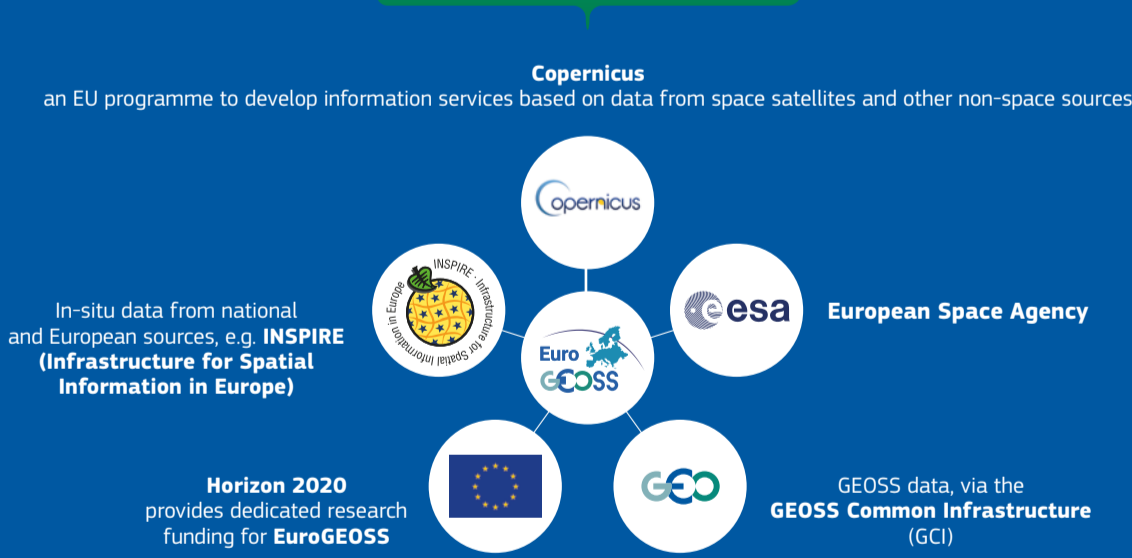


private-sector companies requiring Earth Observation applications for market development or to improve their services.

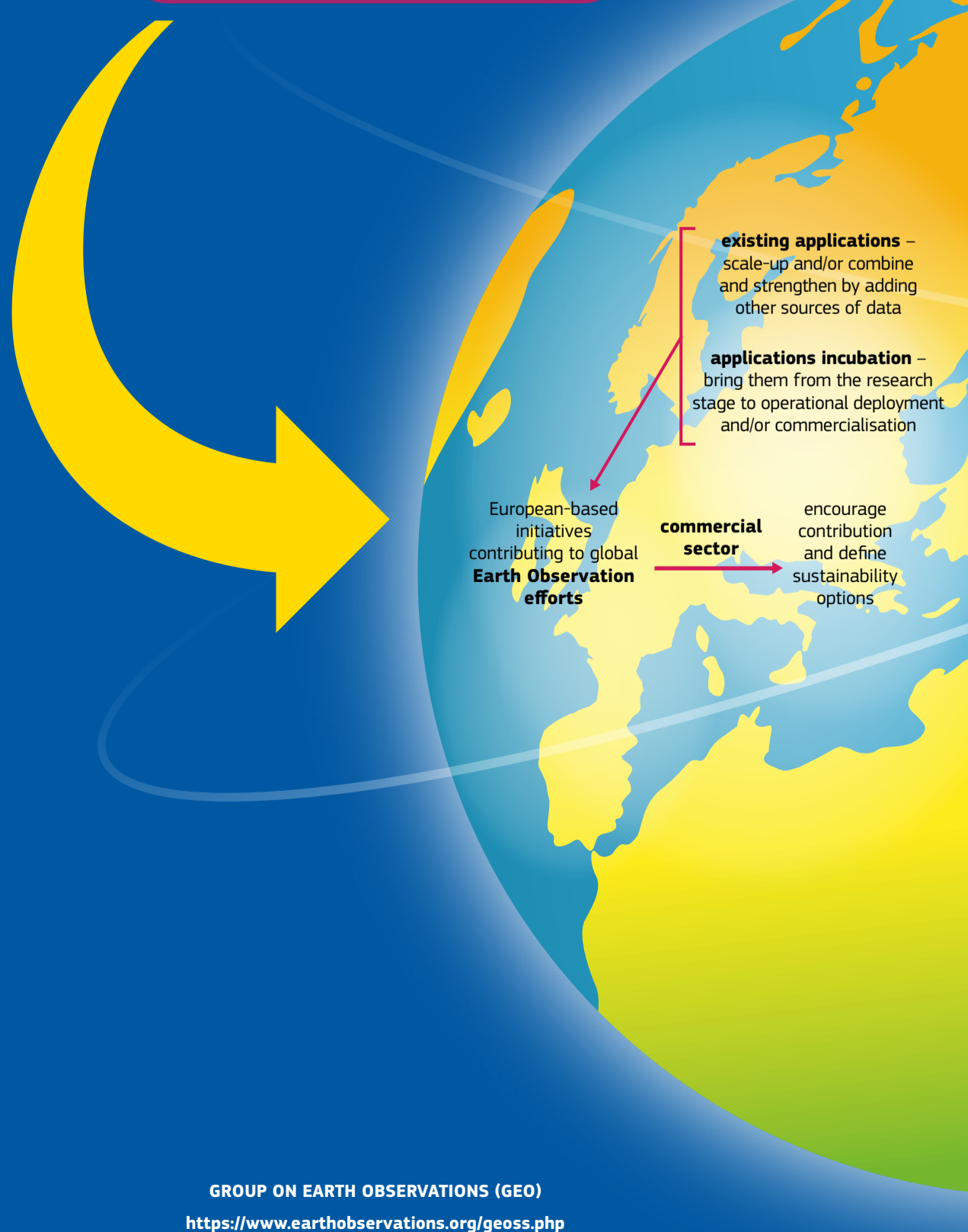
DATA SOURCES

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



FEATURES OF FUTURE EUROGEOSS PILOT APPLICATIONS



GROUP ON EARTH OBSERVATIONS (GEO)

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

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

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