

# opernicus CopPhil



## What is the CopPhil Initiative?

The objective of CopPhil (EU Copernicus Programme in the Philippines) is to strengthen the Philippines' capacity to tackle climate vulnerability and biodiversity conservation while improving hazard management and resilience through the use of free and open Copernicus Earth Observation data. It includes the establishment of a Copernicus Mirror Site and IT infrastructure, the co-development of Earth Observation pilot services in three thematic areas, and knowledge and skills transfer activities related to the use of Copernicus data and information.

CopPhil is managed by the **European Union Delegation to the Philippines**. It is implemented by the **European Space Agency (ESA)** in partnership with the **Philippines Space Agency (PhilSA)** and the **Philippine Department of Science and Technology (DOST)**.

## What is Copernicus?

Copernicus is the Earth Observation component of the European Union's Space Programme. It provides free and openly accessible information and services which draw from satellite and in situ (non-space) data. The information provided by Copernicus supports public authorities, industrial and small and medium sized enterprise (SME) service providers, and international organisations.

## How does CopPhil fit into the EU Global Gateway Strategy?

CopPhil is a unique flagship programme of the European Union's Global Gateway, an EU strategy which aims to strengthen health, education, and research systems around the world through sustainable investments and partnerships. The Global Gateway is aligned with the United Nations' Agenda 2030, the Sustainable Development Goals, and the Paris Agreement.

The CopPhil initiative is designed to harness digital resources and space technology for sustainable development while supporting research and business innovations, thereby aligning with the Global Gateway vision.

## What are the CopPhil Pilot Services under development?

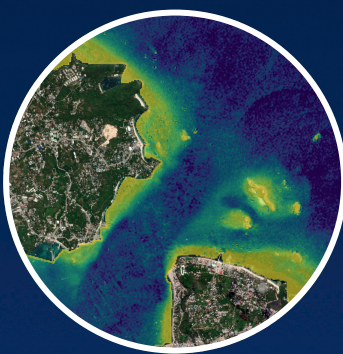
One of the outcomes of the CopPhil initiative is the development of Earth Observation-based pilot services which harness Copernicus data across three thematic areas. The services are co-developed with local stakeholders, who will continue to operate them after the end of the pilot demonstration phase.

The pilot services products result from stakeholder consultations focused on addressing the region's specific needs and priorities, and will be tested and validated through various practical use cases. The services leverage Copernicus Earth Observation data to complement existing regional systems while helping to boost benefits for local communities.



### Ground Motion Monitoring Service

- These products involve tracking the Earth's surface movements caused by seismic activity, volcanic eruptions, tectonic shifts, landslides, and human activities.
- In the Philippines, ground motion monitoring is essential for disaster risk reduction, supporting authorities and urban planners in mitigating hazard risks and ensuring public safety.



### Coastal Marine Habitat Monitoring Service

- These products will provide key information on the status and quality of coastal waters.
- Products such as "Benthic Habitat Mapping" and "Coral Bleach Monitoring" will support sustainable coastal management and biodiversity preservation.



### Land Cover, Forest & Crop Mapping Service

- By focusing on three types of mapping products (crop layers, tree and forest layers, and other land cover layers), this service will provide information on the land use in the Philippines as well as on its change over time.
- This service will support environmental management, resource planning, and biodiversity conservation.



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