

Copernicus – Europe's key programme to monitor our planet

Speaker

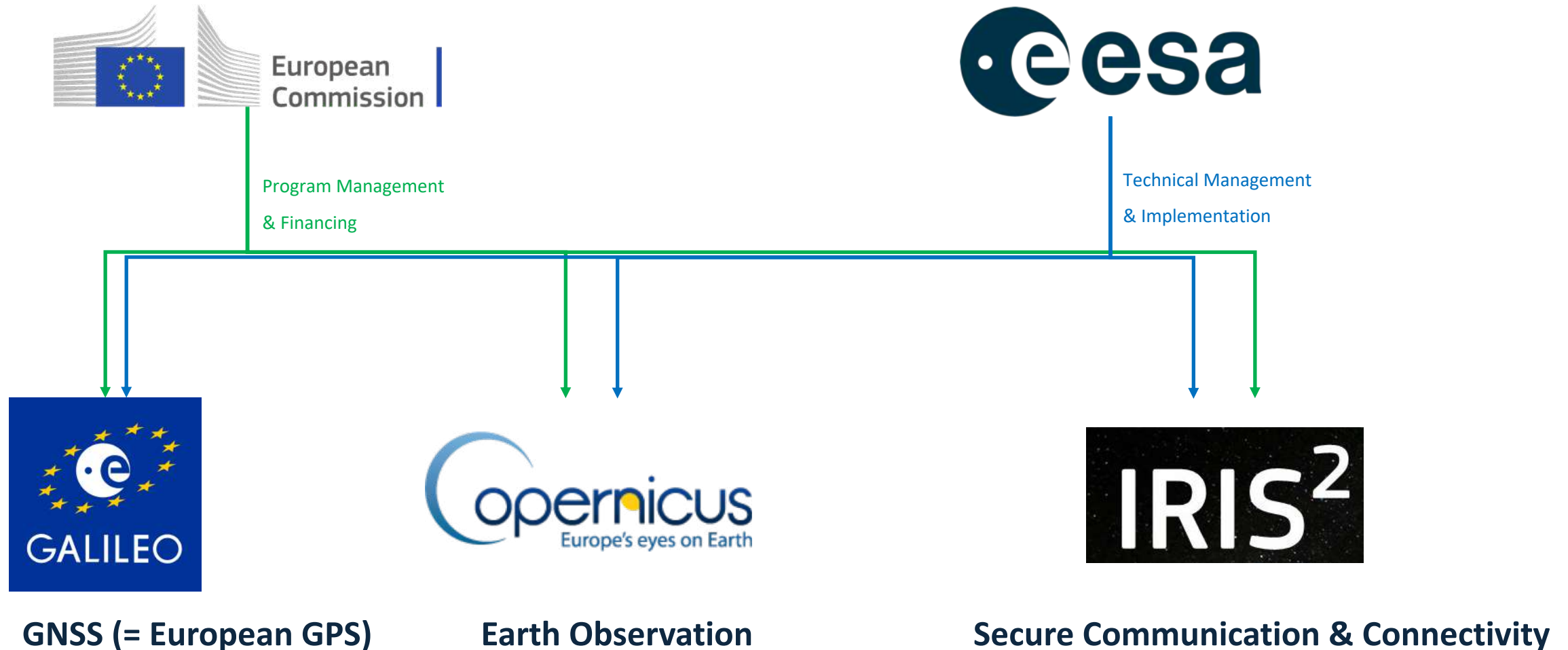
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Project Manager - Aerospacelab



Institutional Context

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Copernicus in Brief

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- Copernicus is the **flagship Earth Observation programme** of the European Union:
 - ✓ Monitors **the Earth**, its environment and ecosystems
 - ✓ Prepares for **crises, security risks** and **natural or man-made disasters**
 - ✓ Contributes to the **EU's role as a global soft power**
- Based on User Requirements
- **Full, Free and Open Data Policy**

Copernicus Space Component

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SPACE

TECHNICAL
COORDINATION BY


SENTINELS MISSIONS
OPERATED BY
 

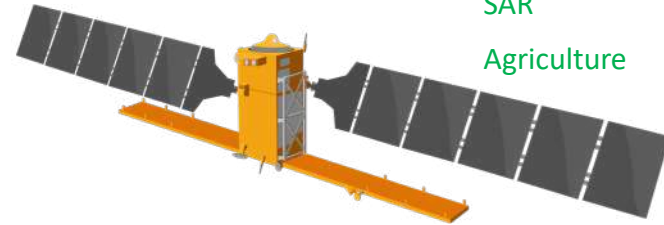
CONTRIBUTING
MISSIONS



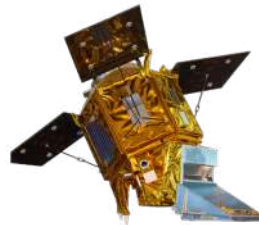
Sentinel-6
Altimeter
Oceanography



Sentinel-1
SAR
Agriculture



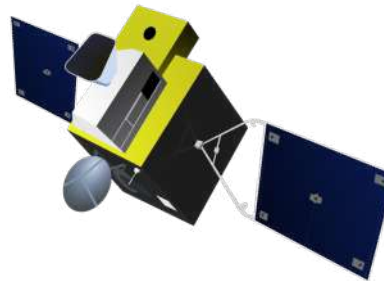
Sentinel-5p
Spectrometer
Trace Gases



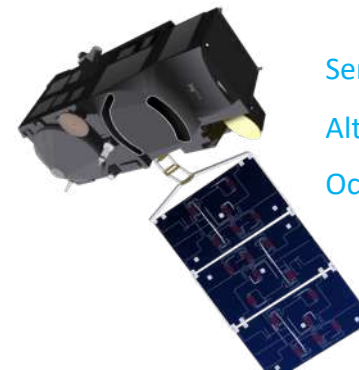
Sentinel-2
Multispectral
Agriculture



Sentinel-4
Spectrometer
Trace Gases



Sentinel-3
Altimeter/Spectrometer
Oceanography



Copernicus In-Situ Component

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Observation data from ground, sea and air-borne sensors, licensed for use in Copernicus

- **Validation and Calibration** of Copernicus products
- Provision of **reliable information** services

Copernicus Services Component

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Six thematic services that allow public and private users to use Copernicus data to tackle a wide range of societal challenges.

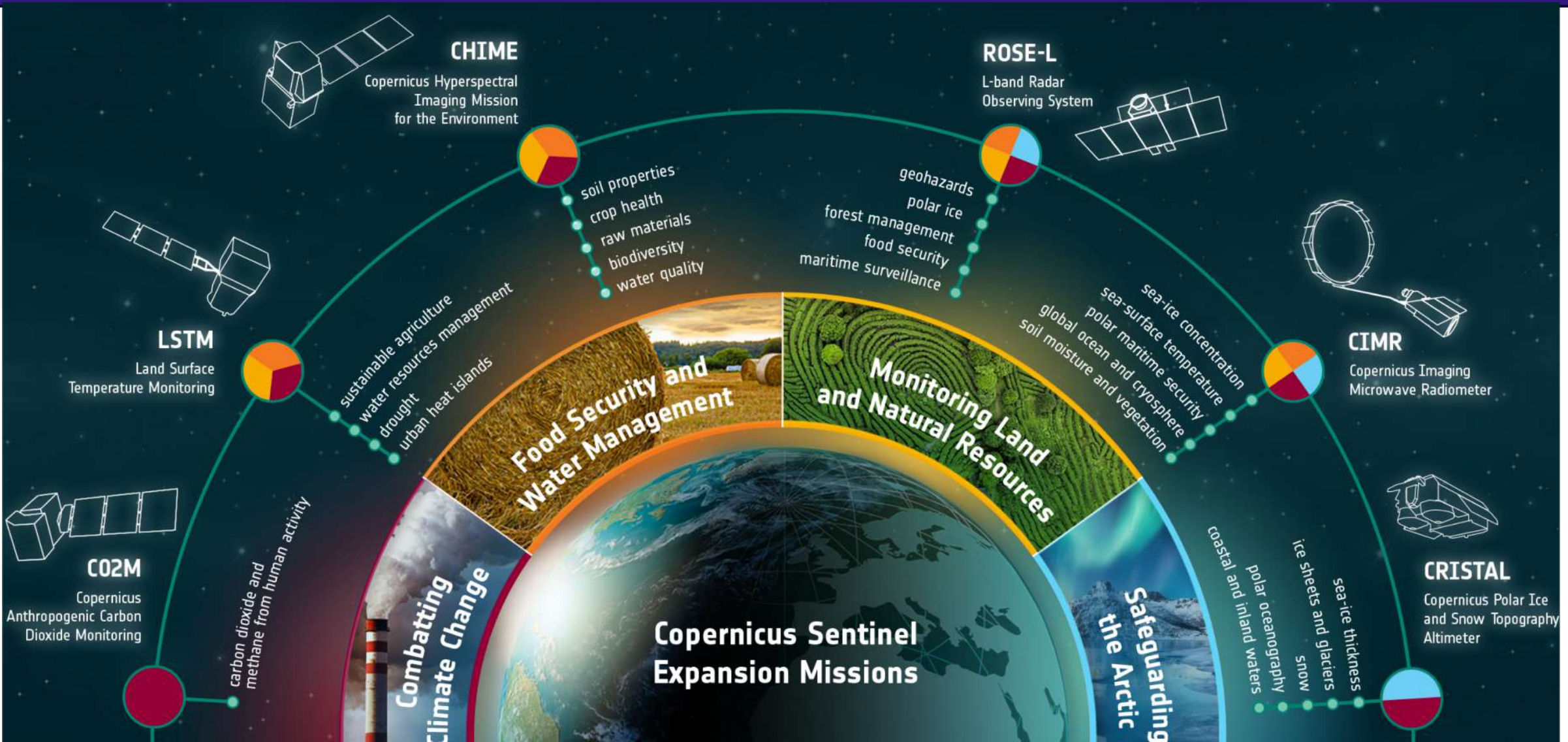
From **satellite and in-situ data** to **actionable data products**

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Future of Copernicus Space Component

Sentinel Expansion Missions

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Copernicus Contributing Missions

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On-boarding of **emerging** Earth-Observation Data Providers, and **new data types**

Multi-Spectral



Hyper-Spectral

KUVA SPACE

Thermal-Infrared



Atmospheric
Composition



SPIP, a Belgian Contributing Mission

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SPIP, a 120-kg satellite developed by Aerospacelab, provides multispectral data for the Land, Marine and Security Services of the Copernicus Programme.







How to get involved

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browser.dataspace.copernicus.eu

Sponsors

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