



Programme of the
European Union



Implemented by 

Environmental Crimes Workshop 2024

11 June 2024

Round Table Discussion - New Space for Copernicus Contributing Missions: “overview of environmental crimes use cases”

Peggy Fischer - Mission Manager of ESA Third Party
Missions (TPMs) and Copernicus Contributing Missions
(CCMs)



Round Table – Agenda (16:00 – 17:45)

- **16:00-16:10:** Welcome: ESA (Peggy Fischer) Introduction to the Round Table discussion, short overview of ESA CCM activities
- **16:10-16:20:** Tour de Table (Copernicus Services representatives and European Space start-ups/emerging CCM data providers)
- **16:20-17:00:** Copernicus Services Emerging Needs (emerging data, information, and capacity needs of Copernicus Services, focusing on applications related to environmental crimes and the new capabilities offered by new sensors) - **Copernicus Maritime Surveillance Service - EMSA; Copernicus Emergency Management Service - DG JRC; Copernicus Support to External and Security Action - EU SatGen; Copernicus Land Monitoring Service - EC JRC (10 minutes per Copernicus Service)**
- **17:00 -17:40:** European Emerging Data providers: Kuva Space; Ororatech, Endurosat, Satlantis (10 minutes per company) – **a) Brief overview of the company, technology, sensors, and capabilities, current status of missions and future plans; b) 2-3 questions per company by ESA**
- **Wrap –up**

CCMs and Copernicus Services



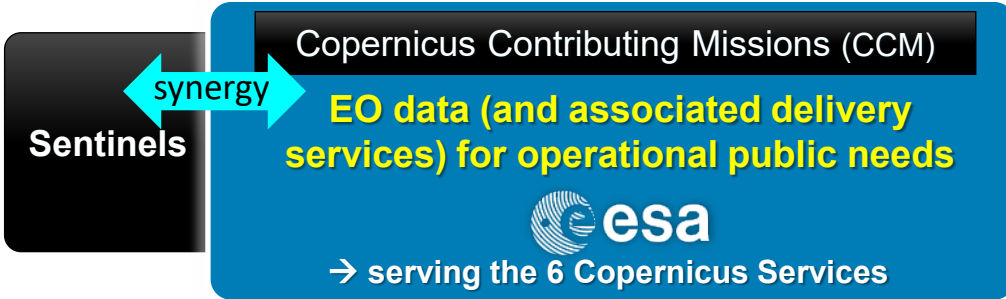
PROGRAMME OF THE EUROPEAN UNION



co-funded with



Copernicus Space Component



CCM follows an industrial policy:

- EU preference for data buy
- Gradual inclusion of data from European space start-ups
- Importance given to data quality

Climate Change

ECMWF

Atmosphere

ECMWF

Marine

Mercator

Land

**EEA
EC JRC**

Emergency

EC JRC

Security

**SatCen
EMSA
Frontex**

Copernicus Service Component

Major CCM user

Major CCM user

Major CCM user

Major CCM user



Current Copernicus Contributing Missions (established and emerging)

- Optical CCM
- SAR CCM
- European Emerging CCM Data Providers

- | SENSOR DOMAIN | |
|---------------|-----------------------------|
| ● | multi-spectral (a) |
| ● | hyperspectral (b) |
| ● | thermal infrared (c) |
| ● | atmospheric composition (d) |
| ● | completed mission (*) |





Scope of contracts with European Emerging CCMs

- Commercial EO data from private constellations bringing complementarity with data from Sentinel & Sentinel Expansion missions
- **Indicating ESA commitments to become an anchor customer once the satellite mission/constellation is in its initial operations phase and can deliver Earth Observation data subject to Copernicus high-quality-standards regarding data quality and data delivery performances**
- **This is not an incubation activity;** ESA expert focuses on data quality / data delivery assessment and facilitating data demonstration activities to stimulate data interest by Copernicus Services
- Activities aim to **assess the development of European Emerging data suppliers towards operational status**