



Copernicus coastal roadmap

Coastal workshop, DG MARE
16 June 2020, Webex

Space



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The Copernicus process

Copernicus has identified coastal challenges as a priority since 2017

A process has been followed to deliver the **coastal roadmap** across services : CMEMS, CLMS mid-2018

The coastal roadmap is under implementation now: i.e. Sentinel2 water quality products

HOW DID WE PROCEED?

- Studies
- Desk analysis
- **User consultations**
- Policies review
- URDs coming from Copernicus Services

Collect



- **Policy relevance**
- **EU dimension**
- International dimension
- Gap analysis with Copernicus products existing portfolio

Analyse



- Entrusted Entities
- **CUF, CC**
- **JRC and DGs**
- **DELINEATION WITH MARKET**

Consolidate



- **Long term vision**
- Observation Req's
- Phase A/B1 studies
- Evolution of DIAS and ground segments
- **Evolution of Copernicus services**

Transform



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Europe's eyes on Earth

European Commission



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Next Steps

- Copernicus2.0 is under writing for next 7 years
- NEW
 - Coastal roadmap scaling-up
 - Inclusion of the Emergency and Climate portfolios
 - Improved and refined portfolio of space-based information
 - A **coastal knowledge hub** to merge all coastal-related products
 - Horizon Europe
 - Research for new products and better boundary conditions: coastal dynamics, high-resolution/high-frequency, land-sea interactions, hydrology, coupling
 - Co-development with Member states over the cloud (modelling part, downscaling) to prepare pre-commercial procurement by MS of coastal services based on Copernicus
 - New satellites in 2026-2027 – Hyperspectral, LSTM, Polar...
- Inclusion of non-Copernicus data to be investigated

All subject to MFF budget approval