



DATA FOR THE UN OCEAN DECADE

A EUROPEAN FOCUS

Introduction to the European data provider landscape

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PROGRAMME OF THE
EUROPEAN UNION



In collaboration with
the UN OD Data
Coordination Office



Strong European Infrastructure (1/2)

- Monitoring the Ocean is a necessity
- Needs political engagements at different scale (national, continental, international)
- Europe has developed the core infrastructure and the services needed to insure an operational service
 - Development of observations infrastructures (satellite & in situ)
 - Development of services to disseminate the data:
 - Coordination with stakeholders
 - Data/products management (standard definition, data collection, storage, dissemination...)
 - Products and service evolution driven by user needs
 - User engagement and training
 - ...



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Strong European Infrastructure (2/2)



Main European Marine Data Services



EMODnet is the EC marine data service of the EC DG MARE

emodnet.ec.europa.eu



EU Operational Satellite Agency for Monitoring Weather Climate and the Environment from Space

eumetsat.int



The marine component of the Copernicus Programme of the European union

marine.copernicus.eu



#EUdata4OceanDecade

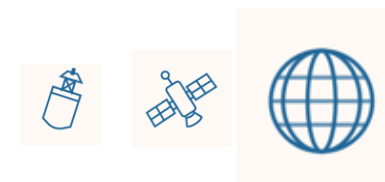
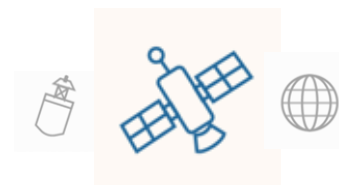
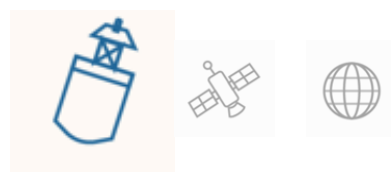
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A complementary offer

Physics &
Biogeochemistry products



SOURCES



TEMPORAL COVERAGE



SPATIAL RESOLUTION



Some specificities



PRODUCTS

- ☒ Geology
- ☒ Biology
- ☒ Bathymetry
- ☒ Chemistry
- ☒ Seabed habitats
- ☒ Physics (river outflow...)

- ☒ L1-L2 Satellite Products
- ☒ Sea Ice products

- ☒ L3-L4 Satellite Products
- ☒ Sea Ice products
- ☒ Forecasts
- ☒ Ocean Monitoring Indicators
- ☒ Ocean Climate Trends

SPATIAL COVERAGE

- ☒ Pan-European HR Maps and data products
- ☒ Caribbean Sea, Caspian Sea, EU Overseas territories

- ☒ Global coverage
- ☒ Coastal & land coverage

- ☒ Global & European coverage

SPECIAL

- ☒ **Data ingestion**
- ☒ **Human Activities**
- ☒ Digital Twin Ocean asset

- ☒ WEkEO partner

- ☒ WEkEO partner
- ☒ Digital Twin Ocean asset

A satellite with solar panels is shown orbiting a turbulent ocean surface. The satellite is positioned on the left side of the frame, with its solar panels extended. The ocean below is characterized by large, white-capped waves, creating a high-contrast, textured appearance. The text "THANK YOU" is overlaid in the center of the image.

THANK YOU

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