

COPERNICUS MARINE 8th **GENERAL ASSEMBLY**

- **Copernicus Coastal and Arctic Thematic Hubs**

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PROGRAMME OF
THE EUROPEAN UNION



Copernicus
Marine Service

implemented by



MERCATOR
OCEAN
INTERNATIONAL

Copernicus Services and Hubs

COPERNICUS SERVICES



COPERNICUS THEMATIC HUBS

HEALTH HUB

The Copernicus Health Hub brings together all the Copernicus environmental data and products pertinent to Health, including that related to physical health, mental health and well-being.

COASTAL HUB

The Copernicus Coastal Hub provides open and free access to a selection of coastal Earth observation data from the Copernicus Sentinel satellites and all Copernicus Services.

ENERGY HUB

Copernicus Energy Hub: Connecting environmental data and Earth Observations to the green energy transition.

ARCTIC HUB

The Copernicus Arctic Hub provides access to data and information in the Arctic. Explore interactive maps and thematic use cases and empower decision-making and sustainable practices.

COASTAL HUB

A new entry point providing access to data for coastal from all Copernicus Services and Sentinels



USE CASES



Water

Water quality
Water reservoir
Flooding



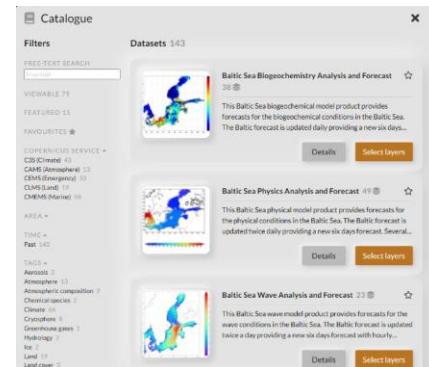
Pollution

Water quality
Land-use
River discharge
Air quality



Spatial Planning

Coastal erosion
MPA
Aquaculture
Renewable energy assessment
Ports



Data in a nutshell

A selection of open and free Earth Observation data covering the European Coastal zones including air, sea and land products and information that describes the coastal environment and a complex land-sea continuum through a large set of variables.

[Read more](#)

Data & viewer

Access, download and visualize a selection of open and free Copernicus coastal Earth observation data from the Copernicus Sentinel satellites and all Copernicus Services (marine, land, atmosphere, climate, emergency).

[Go to data viewer](#)

- **Access to the data** directly plugged on servers of the Copernicus services – no duplication
- A visualisation tool to explore the portfolio
- Thematic use cases to showcase how Copernicus data serves decision-making
- A dedicated user support

www.coastal.hub.copernicus.eu

ARCTIC HUB

A new entry point providing access to data for Arctic region from all Copernicus Services and Sentinels



USE CASES



Safety

Support to Sea Ice Services
Shipping routes
Maritime operations



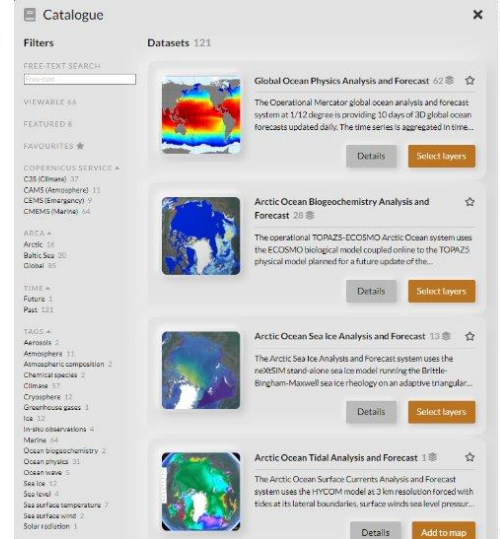
Climate Change

Ice cover
Albedo
Heatwaves
Climate projections



Sustainability

Natural resources
International cooperations
Blue economy
Environmental projections
Tourism



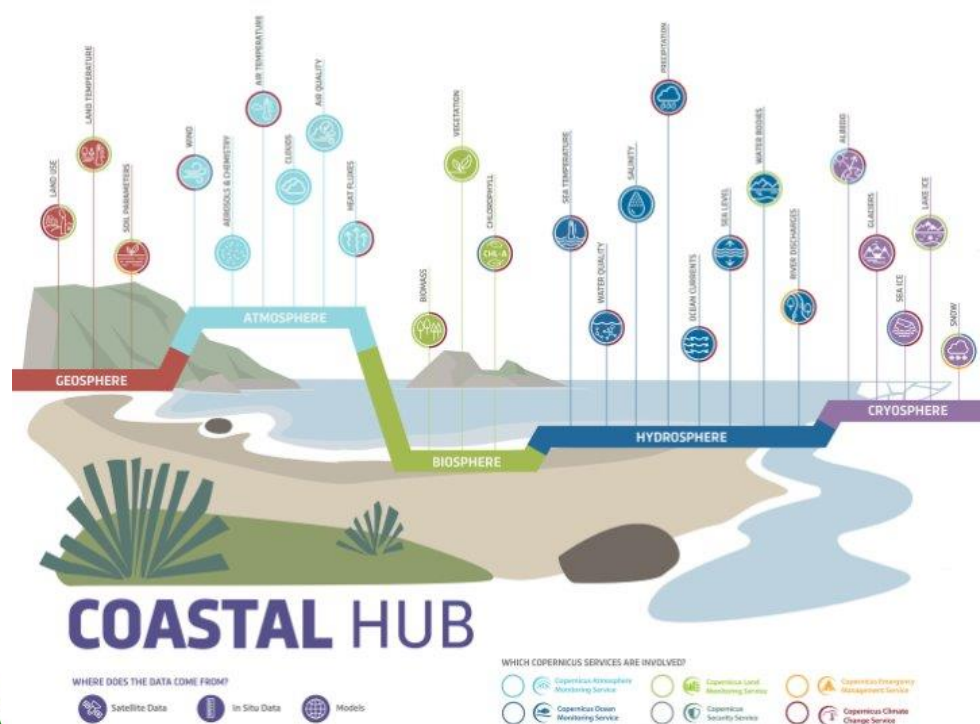
www.arctic.hub.copernicus.eu

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COASTAL HUB

Data in a nutshell



COASTAL HUB

DATA IN A NUTSHELL

We propose a selection of **fit-for-purpose** open and free Earth Observation data in the European Coastal zones from the Copernicus Sentinel satellites and all Copernicus Services. This includes air, sea and land products and information that describes the **coastal environment** and a **complex land-sea** continuum through a large set of variables.

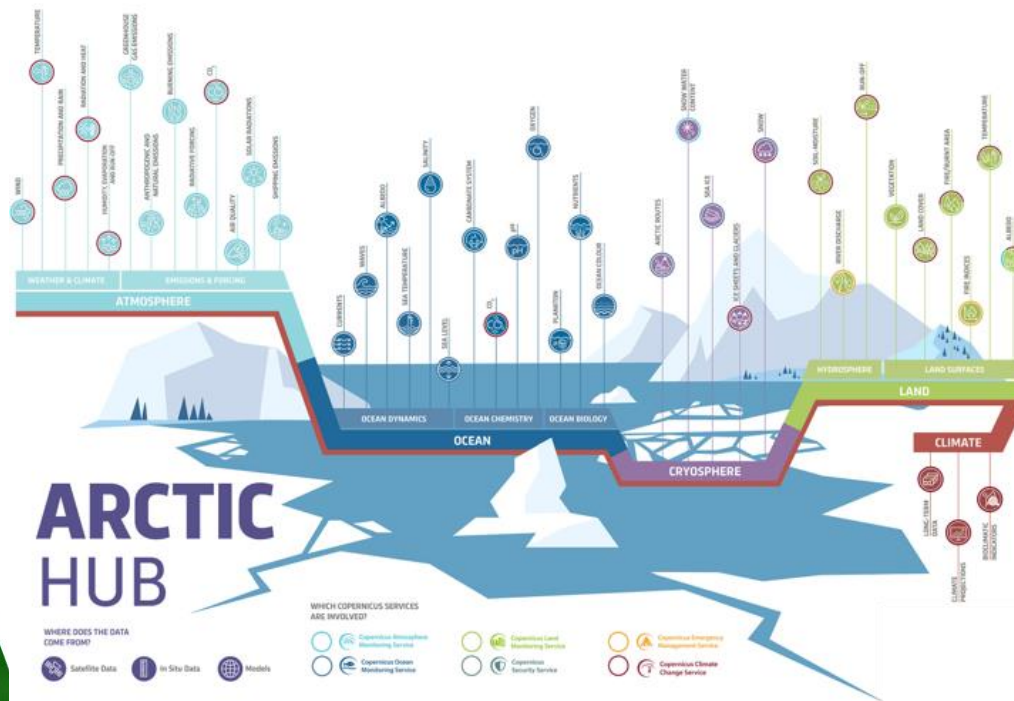
ARCTIC HUB

Data in a nutshell

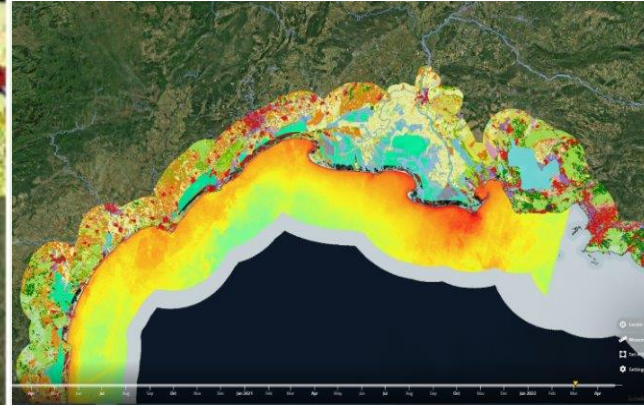
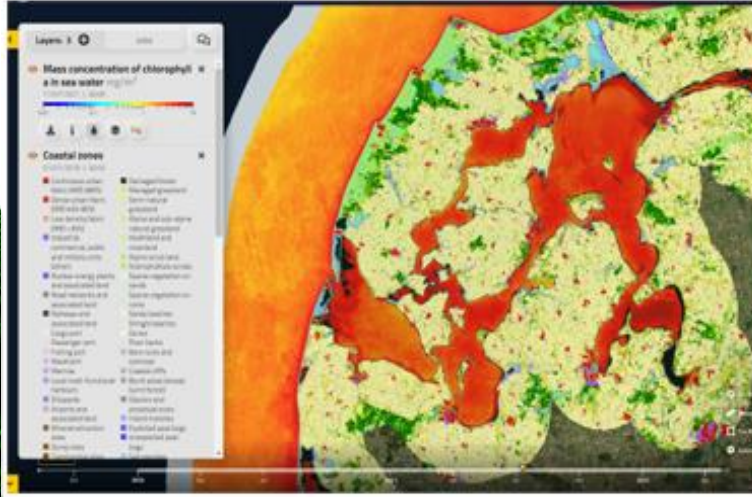
ARCTIC HUB

DATA IN A NUTSHELL

We propose a selection of **fit-for-purpose** open and free Earth Observation data in the Arctic region from the Copernicus Sentinel satellites and all Copernicus Services. This includes air, sea and land products and information that describes the **Arctic environment** and **complex dynamic** through a large set of variables.



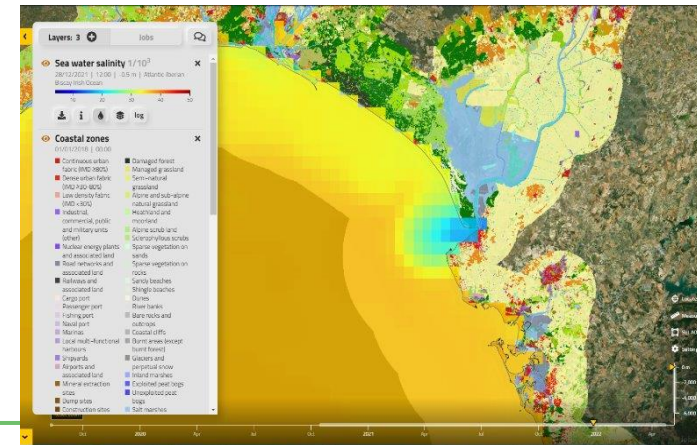
COASTAL HUB



- Copernicus marine Coastal concentrations of Chl-a (100 m resolution and 5-day repetitivity)
- CLMS coastal land-use

Fresh water discharge

- Copernicus Marine salinity
- CLMS coastal land use



COPERNICUS THEMATIC HUBS

Successful launch of the Copernicus Arctic and Coastal Hubs at EU Space Week
(Nov 2023, Sevilla)

