

COPERNICUS MARINE SERVICE

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Ο U T L I N E

Marine Monitoring

- OVERVIEW OF THE COPERNICUS MARINE SERVICE
- WHICH MARINE PRODUCTS?
- WHO ARE THE COPERNICUS MARINE CONTRACTANTS?
- WHO ARE THE COPERNICUS MARINE USERS?
- MAIN 2019 EVENTS & TRAINING





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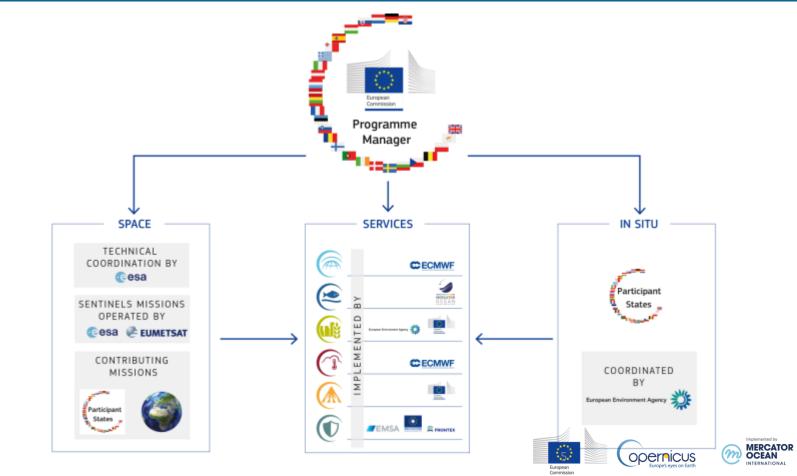
COPERNICUS IN BRIEF

- Monitoring
- The Copernicus programme (<u>REGULATION (EU) No 377/2014</u>) is a cornerstone of the European Union' efforts:
 - To monitor **the Earth**, its environment and ecosystems
 - To ensure its citizens are prepared and protected for crises, security risks and natural or man-made disasters
- Places a world of insight (data and information) about our planet at the disposal of citizens, public authorities and policy makers, scientists, entrepreneurs and businesses on a full, free and open basis
- Is a tool for economic development and a driver for the digital economy





COPERNICUS GOVERNANCE



COPERNICUS MARINE SERVICE http://www.marine.copernicus.eu



Marine Monitoring

One Single Portal

MARINE PRODUCTS

• OPEN&FREE

- Sustained in the long term
- User-Driven



Implemented by

OCEAN

INTERNATIONA

MERCATOR

Ocean Data & Information

Marine Monitoring

OCEAN PRODUCTS

Ocean product catalogue, to download or visualize data accross more than 10 variables, including historic, current and forecasted data.

OCEAN MONITORING INDICATORS

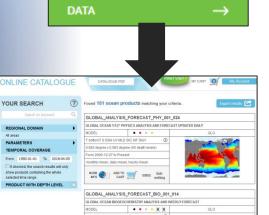
Essential variables monitoring the health of the ocean

OCEAN STATE REPORT

Extensive annual analysis on the state of the ocean over nearly 20 years and severe/notable annual events

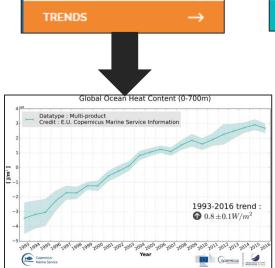
EXPERTISE

European Commission



5 degree x 0.5 degree (50 depth levels)

NORE ADD TO Sub-





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Implemented by MERCATOR OCEAN

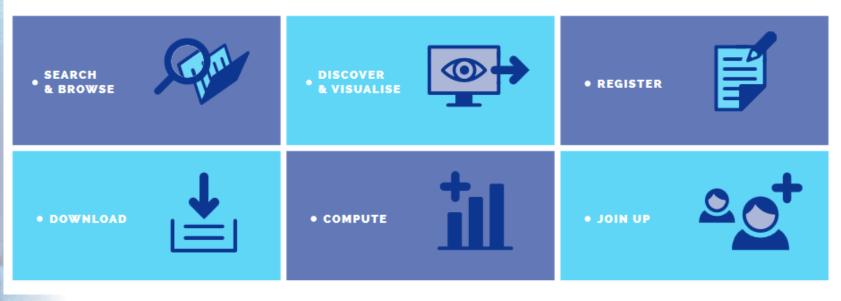


Marine.copernicus.eu

Marine Monitoring

ACCESS TO DATA & INFORMATION

Free and open access to worldwide Ocean information marine.copernicus.eu





Implemented by



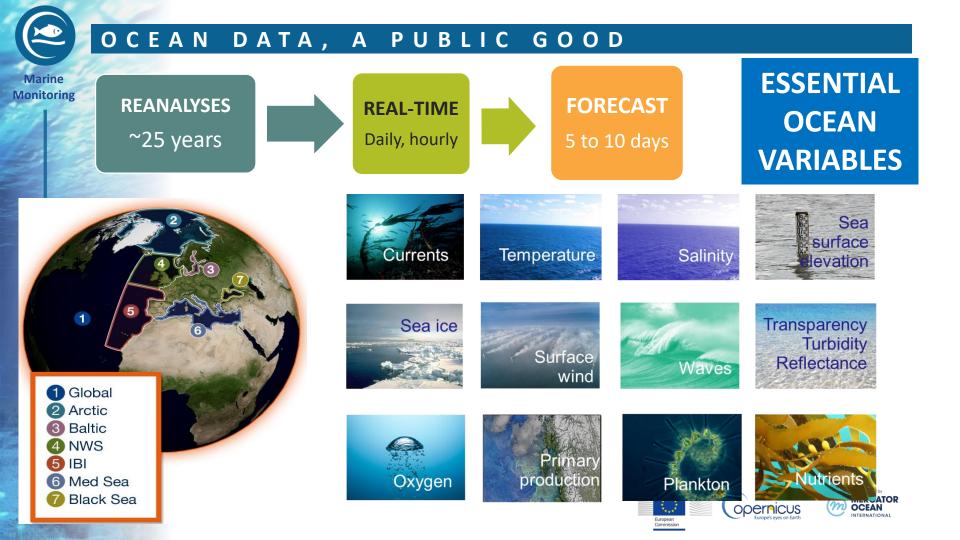
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PORTFOLIO GATHERS DATA FROM 3 SOURCES

Marine Monitoring



SATELLITE OBSERVATION

IN SITU OBSERVATION

OCEAN MODEL COMPUTATION







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CMEMS CONTRACTANTS in Europe

• ~300 contractants throughout Europe

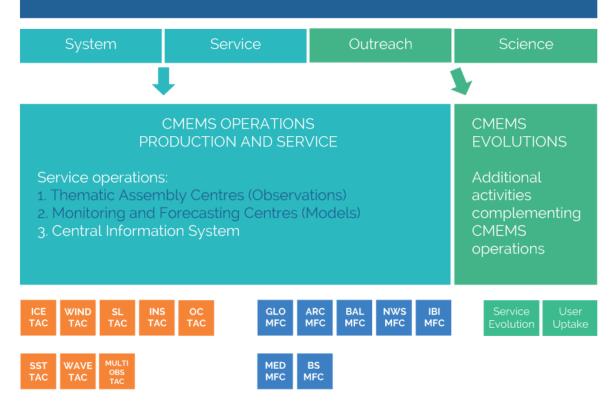
Marine

Monitoring

- 40+ data providers throughout Europe
- State-of-the-art scientific knowledge



CROSS-CUTTING COORDINATION CENTRAL USER SERVICE





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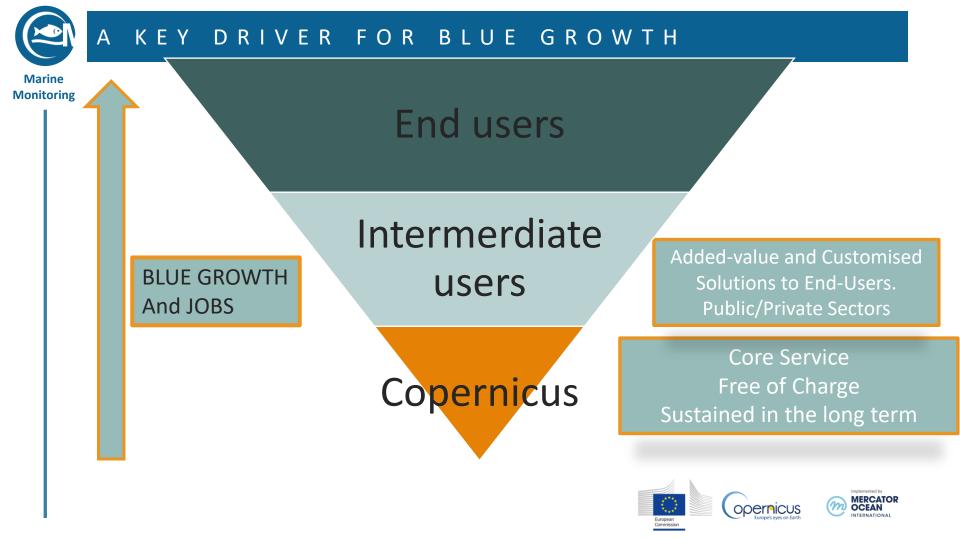


Serving users in various sectors

Marine Monitoring





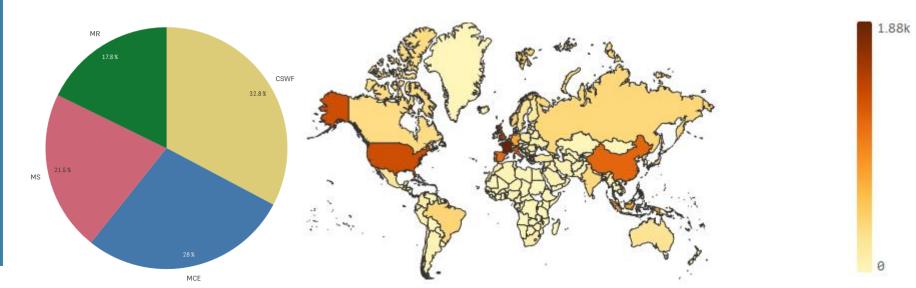




CMEMS USERS

Marine Monitoring

>17.300 users from 3327 organisations and 168 countries 2600 regular users (download data at least 3 times in 1 month)





150 USE CASES

Marine Monitoring

COPERNICUS MARINE SERVICE



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COPERNICUS MARINE SERVICE IN SUPPORT TO NORWAY



USE CASE EXAMPLES







StormGeo

SUBMIT YOUR USE CASE

() SINTEF

DNAL

http://marine.copernicus.eu/markets/submit-your-use-case/

Ο U T L I N E

Marine Monitoring

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- WHO ARE THE COPERNICUS MARINE CONTRACTANTS?
 - Data Providers in Norway
 - Service Evolution Contractants in Norway
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ORGANIZING TRAINING WORKSHOPS





Monitoring

1) our contractors, 2) outermost regions, 3) aquaculture sector, 4) public authorities



• SAVE THE DATE

- MAY 20-24 2019, Brussels
- COPERNICUS Marine Service General Assembly
- SAVE THE DATE
- JUN 6-7 2019, Azores, Faial Island, Horta city
- COPERNICUS Marine for Outermost Regions
- SAVE THE DATE
- SEP 24-25 2019, Athens, Greece
- COPERNICUS Marine for the Aquaculture sector

MERCATOR OCEAN

- SAVE THE DATE
- October 2 2019, Brussels, Belgium
- COPERNICUS Marine for MSFD operations



JOIN THE COPERNICUS MARINE SERVICE COMMUNITY



Web portal marine.copernicus.eu

Service Desk's email servicedesk.cmems@mercator-ocean.eu

Collaborative Forum

http://forum.marine.copernicus.eu/





Copernicus EU Mercator Océan @ CMEMS_EU

MercatorOcean



(in)

Linkedin CMEMS partnership Meeting place https://www.linkedin.com/groups/8243515



Tutorials on CMEMS YouTube channel Copernicus Marine Service



THANK YOU

