COPERNICUS MARINE ENVIRONMENT MONITORING SERVICE 4REGIONS





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COPERNICUS MARINE SERVICE

Marine Monitoring



http://www.marine.copernicus.eu

One Single Portal

OPEN & FREE DATA

Sustained

User-Driven

Manned Service Desk





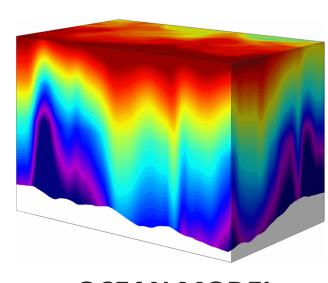












SATELLITE OBSERVATION

IN SITU
OBSERVATION

OCEAN MODEL COMPUTATION









OCEAN DATA, A PUBLIC GOOD

REANALYSES~25 years



REAL-TIMEDaily, hourly



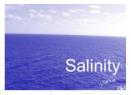
FORECAST 5 to 10 days

OCEAN VARIABLES





























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.

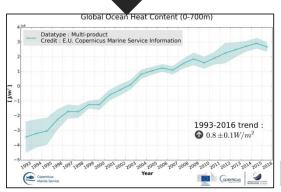
DATA



OCEAN MONITORING INDICATORS

Essential variables monitoring the health of the ocean

TRENDS



OCEAN STATE REPORT

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

EXPERTISE



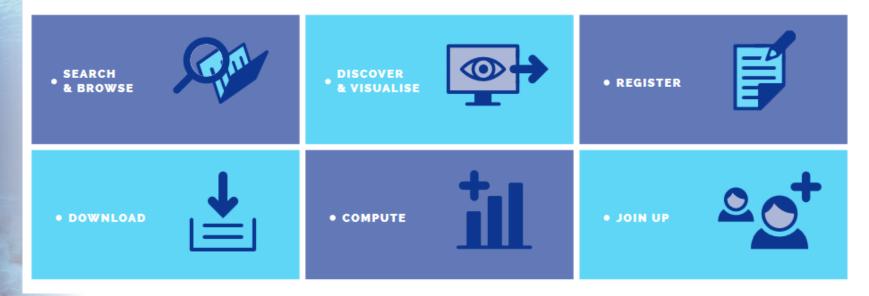




Marine.copernicus.eu

ACCESS TO DATA & INFORMATION

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











IN EU REGIONS, WE ARE IN CONTACT WITH

- Data Providers (TAC-MFC call for tender)
- Scientific organisations (Service Evolution call for tender)
- CMEMS Users (User Uptake call for tender / 63% for the private sector)
- Mediation and Training partners (Contracts)
- Subscriber-Users (open access: 2/3 of 21 000 subscribers)
- Non-Subscriber-Users (> 100 000)







Serving users in various sectors

Marine Monitoring



- SEA ICE MONITORING
- 6 COASTAL MONITORING
- MARINE CONSERVATION & POLICIES
- SOCIETY & EDUCATION

SCIENCE & CLIMATE

8 MARINE FOOD

A NATURAL RESOURCES

MARINE NAVIGATION

WATER QUALITY

SAFETY & DISASTER



GET CLOSER TO USERS : SHOWCASING, PROMOTING

Marine Monitoring

USE CASES

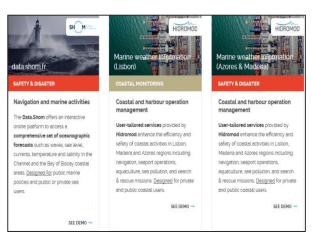
USE CASE BOOKS

USE CASE DEMOS





















GET CLOSER TO USERS: CHAMPION USERS



To advise on the Copernicus Marine Service fit-for-purpose with regards to applications developed in our target following markets.

~15 users & experts from private and public sector









GET CLOSER TO USERS: REGIONAL&THEMATIC TRAININGS

Marine













TRAINING FACTS and FIGURES



2019

- 6 regional training workshops
- 330 participants trained
- 10 local partners
- 46 CMEMS experts involved
- 45 practical sessions developed



4,2/5



Planned in 2020

- Collaboration with Univ. Malta,
 International Winter Course, January
- Canaries Islands, Spain, March
- Varna, Bulgaria, April
- Gdansk, Poland, May
- Split, Croatia, June
- Oslo, Norway, October
- Hamburg, Germany, November



FEEDBACK

"The content was very relevant and helpful for me" from a Baltic Sea attendee

"More days expected" from a IBI Region attendee

"Great job, the session was very fruitful" from a Mediterranean Sea attendee











Recent events



- WOC World ocean council Sustainable Ocean Summit, Nov 20-22, Paris, France
- Baltic WeSeaChallenge, Turku, Finland, Dec1-4 2019
- EU Space Week, Dec 3-5, Helsinki, Finland
- Joint CMEMS/C3S side event at COP25 in Madrid, Spain, Dec 7, 13:30-15:00



Upcoming events

- International Winter course in Malta in cooperation with the Ministry of Foreign Affairs, Jan 8-13, Malta
- COPERNICUS4REGIONS debate and infosession at European Parliament, Jan 20, Brussels
- Arctic Frontiers, Jan 26-30, Tromso, Norway (CMEMS side event)
- CopernicusMarine4MarineNavigation, May 12, Greece, organized jointly by CMEMS/MIT Enterprise Forum
- CopernicusMarine4Aquaculture workshop, April 29-30, Norway, organized jointly by CMEMS/DG MARE EMODNET/EATIP
- EGU, May 3-8, Vienna, Austria (CMEMS booth)
- European Maritime Days 14-15 May, Cork, Ireland (EMODNET/CMEMS/EATIP side event submitted)











THANK YOU





