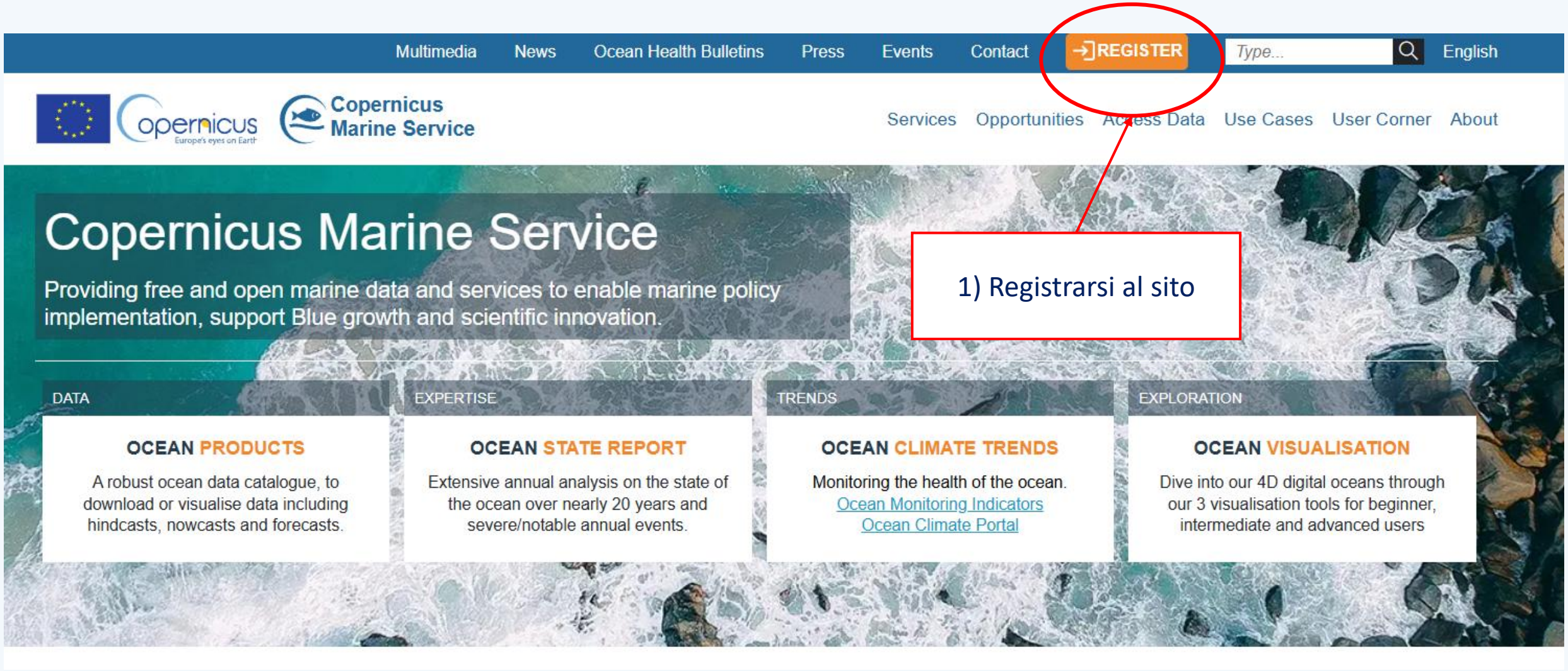
https://marine.copernicus.eu/



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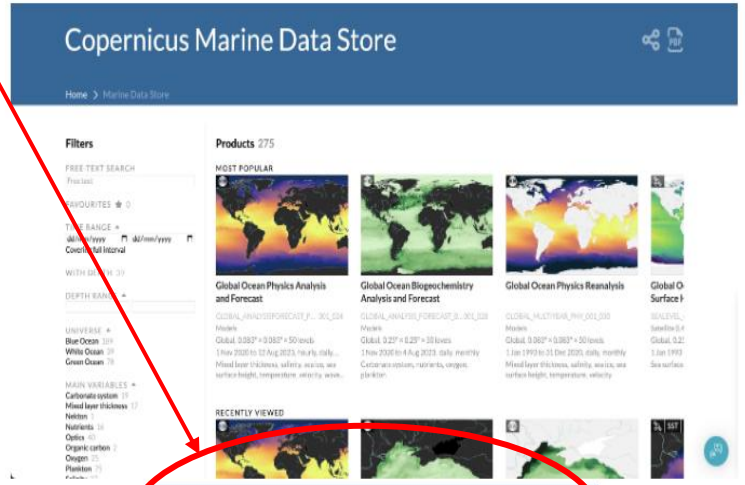
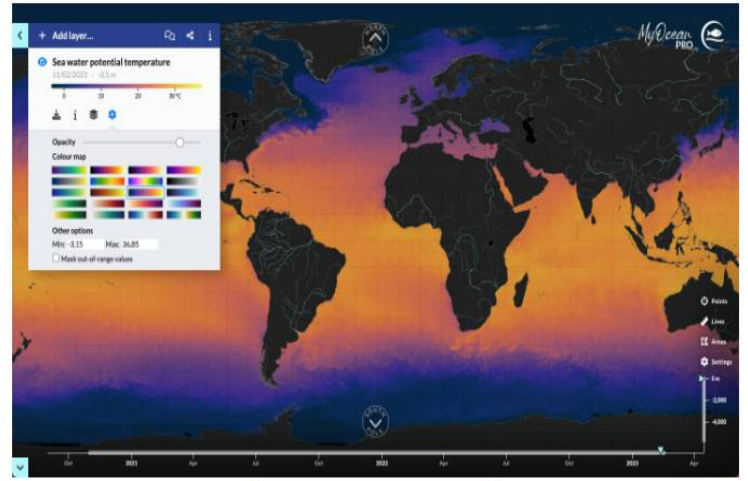


Discover the Copernicus Marine Data Store



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Filters Clear Advanced

Main filters

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Variables

Pick one or more

Areas

Mediterranean Sea ×

Pick one or more

Time range

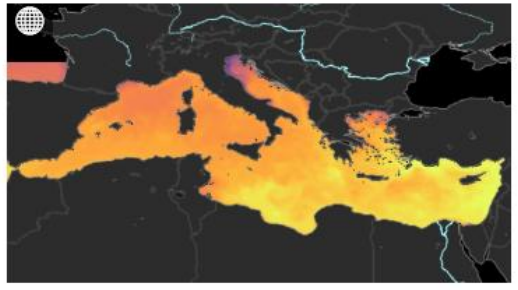
DD/MM/YYYY

DD/MM/YYYY

Favourites

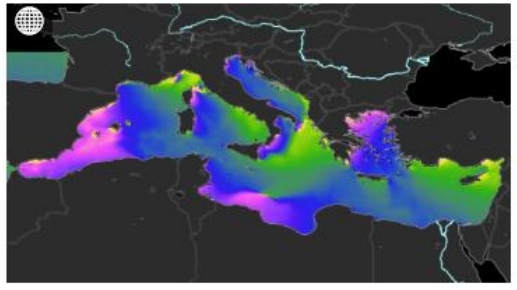
3) Selezionare l'area di interesse

Products 64 in **Copernicus Marine Service**



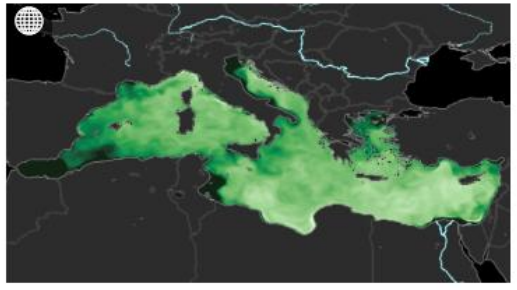
Mediterranean Sea Physics Analysis and Forecast

MEDSEA_ANALYSISFORECAST_PHY_006_013
Models
Med Sea, 0.042° × 0.042° × 141 levels
1 Nov 2023 to 21 Apr 2026, sub-hourly, hourly,...
Temperature, salinity, sea surface height, velocity, mixed layer thickness



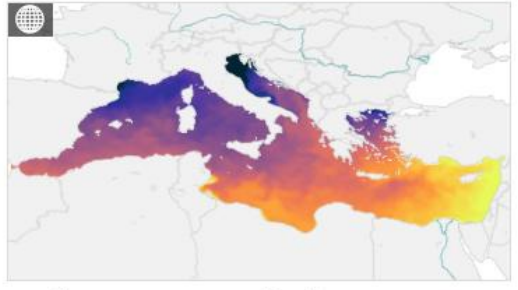
Mediterranean Sea Waves Analysis and Forecast

MEDSEA_ANALYSISFORECAST_WAV_006_017
Models
Med Sea, 0.042° × 0.042°
30 Nov 2021 to 22 Apr 2026, hourly
Velocity, wave



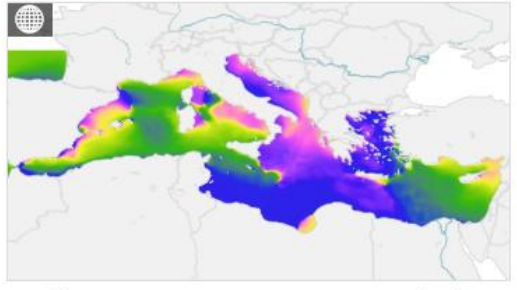
Mediterranean Sea Biogeochemistry Analysis and Forecast

MEDSEA_ANALYSISFORECAST_BGC_006_014
Models
Med Sea, 0.042° × 0.042° × 125 levels
1 Oct 2023 to 21 Apr 2026, daily, monthly
Plankton, nutrients, oxygen, carbonate system, optics



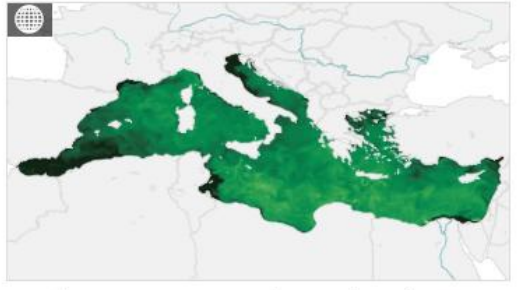
Mediterranean Sea Physics Reanalysis

MEDSEA_MULTIYEAR_PHY_006_004
Models
Med Sea, 0.042° × 0.042° × 141 levels
1 Jan 1987 to 28 Feb 2026, hourly, daily, monthly
Temperature, salinity, sea surface height, velocity, mixed layer thickness



Mediterranean Sea Waves Reanalysis

MEDSEA_MULTIYEAR_WAV_006_012
Models
Med Sea, 0.042° × 0.042°
1 Jan 1985 to 28 Feb 2026, hourly, monthly
Velocity, wave



Mediterranean Sea Biogeochemistry Reanalysis

MEDSEA_MULTIYEAR_BGC_006_008
Models
Med Sea, 0.042° × 0.042° × 125 levels
1 Jan 1999 to 1 Feb 2026, daily, monthly, yearly
Plankton, nutrients, oxygen, carbonate system

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- Description
- Notifications
- Data access
- Contact

DOCUMENTATION

- User Manual
- Quality Information Document
- Synthesis Quality Overview
- Licence
- How to cite

DOI

10.25423/cmcc/medsea_analysisforecast_wav_006_017_medwam4

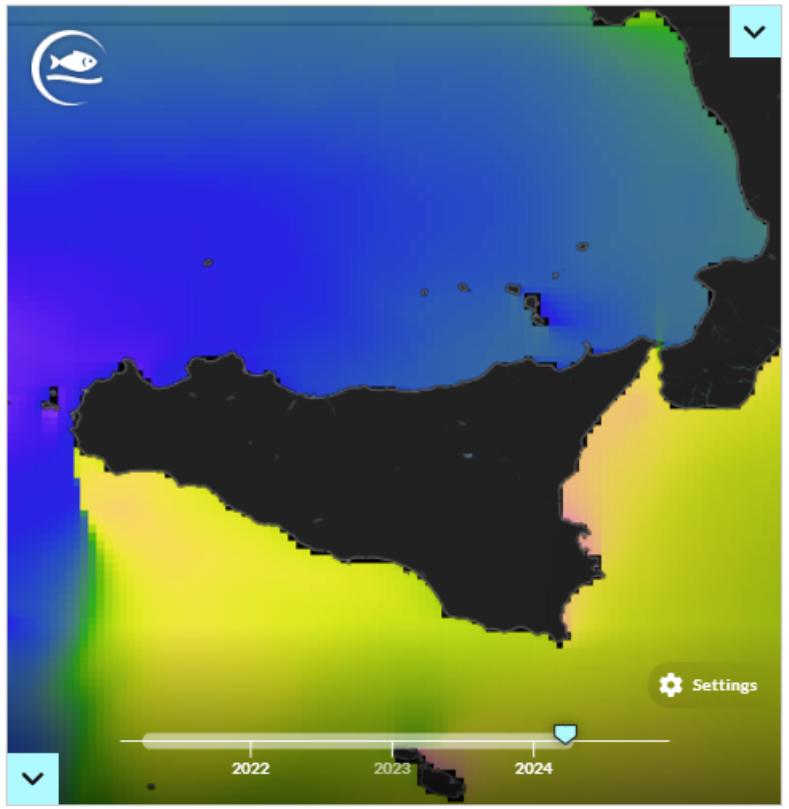
Overview

MEDSEA_ANALYSISFORECAST_WAV_006_017 is the nominal wave product of the Mediterranean Sea Forecasting system, composed by hourly wave parameters at 1/24° horizontal resolution covering the Mediterranean Sea and extending up to 18.125W into the Atlantic Ocean. The waves forecast component (Med-WAV system) is a wave model based on the WAM Cycle 6. The Med-WAV modelling system resolves the prognostic part of the wave spectrum with 24 directional and 32 logarithmically distributed frequency bins and the model solutions are corrected by an optimal interpolation data assimilation scheme of all available along track satellite significant wave height observations. The atmospheric forcing is provided by the operational ECMWF Numerical Weather Prediction model and the wave model is forced with hourly averaged surface currents and sea level obtained from MEDSEA /24° resolutio undary Conditio GLOBAL duct. The wave sys ce per day a Mediterranean wave analysis and 10 days of wave forecasts.

Product Citation: Please refer to our Technical FAQ for citing products. ...

Read more

4) Accesso ai dati



Explore in MyOcean Pro

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5) Download

- Data access
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DOCUMENTATION

- User Manual
- Quality Information Document
- Synthesis Quality Overview
- Roadmap
- Licence
- How to cite

DOI

10.48670/mds-00376

access and mapping services

are multiple ways to download data from this product:

- If you prefer a graphical tool, click on the top-right button: .
- **Subset**: The most intuitive graphical approach for subsetting data in time, space and/or variables. For a programming approach (*WCS-like*), prefer the Copernicus Marine Toolbox: CLI or Python API.
- **Files**: The fastest graphical approach to get original files (*FTP-like*). For a programming approach, prefer the Copernicus Marine Toolbox: CLI or Python API.
- **Maps**: The standard mapping service for GIS approach (QGIS or similar tools).
- If you are looking for a lazy-loading data access (*xarray/OPeNDAP-like*), copy the dataset ID and use it with the Copernicus Marine Toolbox: Python API.

Dataset	Temporal extent	Subset	Files	Maps
Hourly cmems_mod_med_wav_my_4.2km_PT1H-i	01/01/1985–28/02/2026	Form	Browse	WMTS
Climatology, month-of-year cmems_mod_med_wav_my_4.2km-climatology_P1M-m	01/01/1993–01/12/1993	Form	Browse	WMTS
Statics (bathymetry) cmems_mod_med_wav_my_4.2km_static — *bathy*	—	Form	Browse	WMTS
Statics (coordinates) cmems_mod_med_wav_my_4.2km_static — *coords*	—	Form	Browse	WMTS

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Dataset

Product identifier MEDSEA_MULTIYEAR_WAV_006_012
Product name Mediterranean Sea Waves Reanalysis
Dataset *Please choose one of the datasets in this product:*
Hourly · cmems_mod_med_wav_my_4.2km_PT1H-i

6) Selezioniamo le variabili di nostro interesse

Variables* Add all Clear all

- [ ] Sea surface primary swell wave from direction *VMDR_SW1* [°]
- [ ] Sea surface primary swell wave mean period *VTM01_SW1* [s]
- [ ] Sea surface primary swell wave significant height *VHM0_SW1* [m]
- [ ] Sea surface secondary swell wave from direction *VMDR_SW2* [°]
- [ ] Sea surface secondary swell wave mean period *VTM01_SW2* [s]
- [ ] Sea surface secondary swell wave significant height *VHM0_SW2* [m]
- [x] Sea surface wave from direction *VMDR* [°]
- [ ] Sea surface wave from direction at variance spectral density maximum *VPED* [°]
- [x] Sea surface wave mean period from variance spectral density inverse frequency moment *VTM10* [s]
- [ ] Sea surface wave mean period from variance spectral density second frequency moment *VTM02* [s]
- [x] Sea surface wave period at variance spectral density maximum *VTPK* [s]
- [x] Sea surface wave significant height *VHM0* [m]
- [ ] Sea surface wave stokes drift x velocity *VSDX* [m/s]
- [ ] Sea surface wave stokes drift y velocity *VSDY* [m/s]
- [ ] Sea surface wind wave from direction *VMDR_WW* [°]
- [ ] Sea surface wind wave mean period *VTM01_WW* [s]
- [ ] Sea surface wind wave significant height *VHM0_WW* [m]

VDMR= direzione di provenienza del moto ondoso
VTM10= periodo medio spetrale dell'onda
VTPK= periodo di picco dell'onda
VHM0= altezza d'onda significativa

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