



**EMODnet**



European Marine  
Observation and  
Data Network

# YOUR GATEWAY TO IN SITU **MARINE DATA, DATA** **PRODUCTS AND SERVICES IN EUROPE AND BEYOND**



DISCOVER THE EMODNET  
PORTFOLIO, A CATALOGUE  
OF ALL EMODNET DATA  
AND DATA PRODUCTS



VISUALISE



DISCOVER



DOWNLOAD



WEB SERVICES



**EMODnet**



European Marine  
Observation and  
Data Network

OPEN SOURCE MARINE  
KNOWLEDGE BROKER

EMODNET IMPLEMENTS  
THE MARINE KNOWLEDGE  
2020 STRATEGY TOGETHER  
WITH THE MARINE SERVICE OF  
THE COPERNICUS SPACE PROGRAMME  
AND THE DATA COLLECTION  
FRAMEWORK (FISHERIES AND  
ENVIRONMENTAL DATA THROUGH ICES)



EMODNET SERVES AN  
INTERNATIONAL,  
PROFESSIONAL USER  
COMMUNITY SPANNING  
RESEARCH, POLICY, BLUE  
ECONOMY AND CIVIL SOCIETY



## HUMAN ACTIVITIES

Aggregate extraction - Algae production - Aquaculture - Cables - Cultural heritage - Dredging - Environment - Fisheries - Hydrocarbon extraction - Main ports - Ocean energy facilities - Other forms of area management/ designation - Pipelines - Waste disposal - Vessel density - Wind farms



## GEOLOGY

Seabed substrate-Seabed accumulation rates-Seafloor lithology, stratigraphy and fault maps - Coastal behaviour - Geological events distributions - Mineral occurrences - Submerged landscapes - Quaternary geology - Geomorphology - Boreholes locations - Seismic tracks



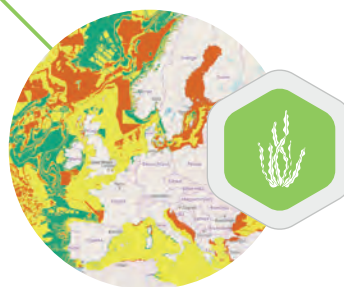
## BIOLOGY

Phytoplankton - Zooplankton - Macro algae - Seagrass - Fish - Reptile - Bird - Sea mammals - Benthos - Functional traits - Introduced species - Protected species - Indicator species



## BATHYMETRY

Digital Terrain Model - Survey tracks and bathymetric survey data - Source references - Depth contours



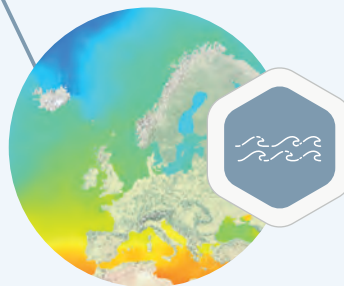
## SEABED HABITATS

Survey point data - Broad scale seabed habitat map - Environmental variables influencing habitat type - Individual seabed habitat maps from surveys - Modelled maps of specific habitats - Composite data products



## CHEMISTRY

Acidity - Antifoulants - Chlorophyll - Dissolved gases - Fertilizers - Heavy metals - Hydrocarbons - Marine litter (micro, beach, seafloor) - Organic matter - Pesticides and biocides - Polychlorinated biphenyls - Radionuclides - Silicates



## PHYSICS

Wave height and duration - Sea temperature - Wind speed and direction - Salinity - Horizontal speed of the water column - Water clarity - Changes in sea level - Inflow from rivers - Water conductivity / biochemical parameters - Atmospheric parameters - Underwater noise



[www.emodnet.eu](http://www.emodnet.eu)



@EMODnet



EMODnet

For full list of data and data products visit [emodnet.eu/data-portfolio](http://emodnet.eu/data-portfolio)



The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) No 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.