



# The European Marine Observation and Data Network – (EMODnet) – Chemistry

<https://www.emodnet-chemistry.eu/>



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Coordinated by: OGS – Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy

NIMRD Project Coordinator: dr. Luminita Buga

The European Marine Observation and Data Network (EMODnet) consists of more than 160 organisations that together work on assembling, harmonising and making marine data, products and metadata more available to public and private users. This Data Ingestion portal facilitates additional data managers to ingest their marine datasets for further processing, publishing as open data and contributing to applications for society.

## Major EMODnet Chemistry challenges are to:

- Manage heterogeneity, complexity, quality and large volume of datasets in seawater, sediment and biota;
- Process these input data into harmonized data collections;
- Make available measurement data by the Data Discovery and Access service;
- Generate and make available data products by the Map viewer and the Catalogue service.

## Partnerships

Belgium (Royal Belgian Institute of Natural Sciences, Operational Directorate Natural Environment, Belgian Marine Data Centre, University of Liège, Ecohydrodynamic Unit, Flanders Marine Institute), Bulgaria (Bulgarian National Oceanographic Data Centre, Institute of Oceanology - IO-BAS), Croatia (Institute of Oceanography and Fisheries), Cyprus (Orion), Denmark (Aarhus University, Danish Centre for Environment and Energy), Estonia (Tallinn University of Technology), Finland (Finnish Meteorological Institute, Finnish Environment Institute, Helsinki Commission), France (Scientific Information Systems for the sea - IFREMER), Georgia (Iv.Javakhishvili Tbilisi State University, Centre of Relations with UNESCO Oceanological Research Centre and GeoDNA, National Environmental Agency of the Ministry of Environment Protection and Natural Resources), Germany (Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research), Greece (Hellenic Centre for Marine Research, Institute of Oceanography, United Nations Environment Programme, Coordinating Unit for the Mediterranean Action Plan Secretariat to the Barcelona Convention and its Protocols), International (International Council for the Exploration of the Sea - ICES), Ireland (Marine Institute), Israel (Israel Oceanographic and Limnological Research), Italy (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Institute for Environmental Protection and Research, National Research Council, Istituto Nazionale di Geofisica e Vulcanologia, Sede di Bologna), Latvia (Latvian Institute of Aquatic Ecology), Montenegro (Institute of Marine Biology), Netherlands (Marine Information Service, Deltares, Royal Netherlands Institute for Sea Research, Rijkswaterstaat Water, Traffic and Environment), Norway (Institute of Marine Research, Norwegian Marine Data Centre), Poland (Institute of Meteorology and Water Management National Research Institute, Maritime Branch in Gdynia), Portugal (Hydrographic Institute), Romania (**National Institute for Marine Research and Development "Grigore Antipa" - NIMRD**), Russian-Federation (All-Russia Research Institute of Hydrometeorological Information, World Data Centre, National Oceanographic Data Centre, State Oceanographic Institute, P.P.Shirshov Institute of Oceanology), Slovenia (National Institute of Biology, Marine Biology Station), Spain (Spanish Oceanographic Institute, Balearic Islands Coastal Observing and Forecasting System), Sweden (Swedish Meteorological and Hydrological Institute), Ukraine (Ukrainian Scientific Center of Ecology of Sea - UkrSCES, Ukrainian Hydrometeorological Institute, Marine Branch), United-Kingdom (British Oceanographic Data Centre, OSPAR Commission), Turkey (Istanbul University, Institute of Marine Science and Management, Institute of Marine Sciences, Middle East Technical University - IMS-METU, Permanent Secretariat Commission on the Protection of the Black Sea Against Pollution)

