



The European Marine Observation and Data Network – (EMODnet) – Bathymetry

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



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Coordinated by: Hydrographic and oceanographic service of the navy, France
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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.

EMODnet Bathymetry portal approach:

- Develop a Bathymetry Viewing and Download service on top of a powerful spatial database
- Involve research institutes, monitoring authorities, and HO's, in providing bathymetric data sets, for producing Digital Terrain Models (DTM) with specific resolution for each geographical region.
- Include in the portal a metadata data discovery and access service, by adopting the SeaDataNet CDI metadata standard, for providing clear information about the survey data
- Adopt the SeaDataNet Sextant Catalogue service, for providing metadata on composite DTMs that are contributed by a number of data providers next to or instead of bathymetric survey data.

Partnerships

Belgium (Flanders Marine Institute, Flemish Ministry of Mobility and Public Works, Agency for Maritime and Coastal Services, Coastal Division), Bulgaria (Bulgarian National Oceanographic Data Centre, Institute of Oceanology), Croatia (Croatian Hydrographic Institute), Denmark (Danish Geodata Agency, Danish Hydrographic Office, Teledyne RESON A/S), Faroe Islands (Jardfeingi, the Faroe Islands Earth and Energy Directorate), France (Hydrographic and Oceanographic Service of the Navy, Ifremer, Scientific Information Systems for the Sea), Germany (Center for Marine Environmental Sciences, University of Bremen, EOMAP GmbH & Co KG, Federal Maritime and Hydrographic Agency), Greece (Hellenic Centre for Marine Research, Institute of Oceanography), Ireland (Geological Survey Ireland), Israel (Department of Geology, Geophysics and Coastal Processes, Israel Oceanographic & Limnological Research), Italy (CNR, Institute for the Marine and Coastal Environment - Naples, CNR, National Research Council, Institute of Marine Science - Bologna, CONISMA, National Interuniversity Consortium for Marine Science, Italian Hydrographic Institute, National Institute of Oceanography and Applied Geophysics - Division of Oceanography, National Institute of Oceanography and Applied Geophysics, Infrastructures Division, National Research Council, Institute of Environmental Geology and Geoengineering), Latvia (Maritime Administration of Latvia), Malta (Marine Geology and Seafloor Surveying Group, Department of Geosciences, University of Malta), Monaco (Baltic Sea Hydrographic Commission), Netherlands (Deltares, GGS Geo Consultancy, Marine Information Service, Rijkswaterstaat Central Information Services, Royal Netherlands Institute for Sea Research, Royal Netherlands Navy, Hydrographic Service), Norway (GRID-Arendal, Norwegian Hydrographic Service), Portugal (Hydrographic Institute, National Laboratory of Energy and Geology, Portuguese Institute for Sea and Atmosphere), Romania (**National Institute for Marine Research and Development "Grigore Antipa" - NIMRD**), Danube Delta National Institute for Research and Development, National Institute of Marine Geology and Geoecology - GEOECOMAR, SC Marine Research SRL), Slovenia (Geodetic Institute of Slovenia), Spain (Coronis Computing SL, CSIC, Institute of Marine Sciences, Geological Survey of Spain, Hydrographic Institute of the Navy, Spanish Oceanographic Institute), Sweden (Stockholm University, Department of Geological Sciences, Swedish Maritime Administration), United Kingdom (British Geological Survey - Edinburgh, British Oceanographic Data Centre - GEBCO, National Oceanography Centre - Southampton, OceanWise Limited)

