

Wake up, safeguard & share your marine data with EMODnet-Ingestion.EU

Schlesser Marianne¹, Strobbe Francis², Schaap Dick³, Iona Sissy⁴ and Beja Joana⁵

¹ Belgian Marine Data Center, OD Nature, Royal Belgian Institute of Natural Sciences, Vautierstraat 29, 1000 Brussel, Belgium

E-mail: bmdc@naturalsciences.be

² EMODnet Secretariat, InnovOcean site, Wandelaarkaai 7, 8400 Oostende, Belgium

³ MARIS, Gildeweg 7 A, 2632 BD Nootdorp, Netherlands

⁴ Hellenic Centre for Marine Research – HCMR, Institute of Oceanography, P.O. Box 712, 190 13 Anavyssos, Greece

⁵ Flanders Marine Institute (VLIZ), InnovOcean site, Wandelaarkaai 7, 8400 Oostende, Belgium

The European Marine Observation and Data Network (EMODnet) consists of a network of 160 organisations supported by the EU's integrated maritime policy to work together on assembling, harmonising and making marine data, products and metadata more available to public and private users. They are geographically anchored in the countries bordering all European marine basins. These organisations work together to observe the sea, process the data according to international standards and make that information freely available as interoperable data layers and data products. EMODnet provides access to European marine data, products and metadata across seven discipline-based themes (bathymetry, biology, chemistry, geology, human activities, physics and seabed habitats). The data centres work together on pan-European and international scales in organisations such as IODE, ICES, EuroGeoSurveys, EuroGOOS, and IHO, and for pan-European marine data management infrastructures such as SeaDataCloud, EurOBIS and EGDI.

EMODnet supports data providers and data users by:

1. Giving access to data already collected, reducing costly and expensive sampling campaigns;
2. Providing ready-to-use digital data products that can support the daily work of researchers, expediting their research and career development;
3. Making diverse datasets available through which they can enrich their own research data;
4. Stimulating further research in marine environment, promoting open data and favouring open dialogue (Every year there are plenty of opportunities to get in touch with EMODnet representatives. In 2021, you can meet us at our upcoming EMODnet Open Conference and Jamboree on 14-18 June);
5. Maximising the impact and re-use of research data by sharing with EMODnet.

You are invited to submit your data and data products via the free-of-charge EMODnet Data Ingestion Portal. Submit now to EMODnet-Ingestion.EU! Research institutes, academic institutions, university departments and, more generally, any organisation heavily involved in promoting, supporting and enabling research producing activities in the Blue Growth sector, play an essential role in the marine and maritime ecosystem. They are also key users and data providers of EMODnet, together with the industry. Potential data providers outside the network are supported by partners to release their datasets for safekeeping and further processing, publishing as open data and contributing to applications for society.

The EMODnet Data Ingestion partners (e.g. RBINS and VLIZ in Belgium) are national and regional marine and oceanographic data repositories and data management experts. In the life cycle of a data submission, we make a distinction between 2 phases: Phase I - from submission to publishing of the submitted datasets package 'as is'; Phase II - further elaboration of the datasets and integration (of subsets) in national, European and EMODnet thematic portals. This split allows the publishing, in an early stage, of the original data package with high quality metadata. If you want to know more on the EMODnet Ingestion process, have a look at the movie "Wake up your data" (3'30" on YouTube). Successful operation!

So far, the work of EMODnet has resulted in many submissions and use cases, such as for monitoring data from offshore renewable energy projects or minting DOIs for research data to support data citing

for data submitters. Please, have a look at the Use Cases webpage to see how other organisations have benefited from EMODnet' services and products since 2010.

More information on the poster!

www.emodnet-ingestion.eu/media/emodnet_ingestion/org/documents/emodnet_postera0_21-10-20.pdf

Contact us at EMODnet-Ingestion.EU

Keywords: Marine data; Research; Data sharing; Data publication; Open data; Standardisation; Data products; Bathymetry; Geology; Seabed habitats; Chemistry; Biology; Physics; Human activities