



EMODnet Centralisation Update

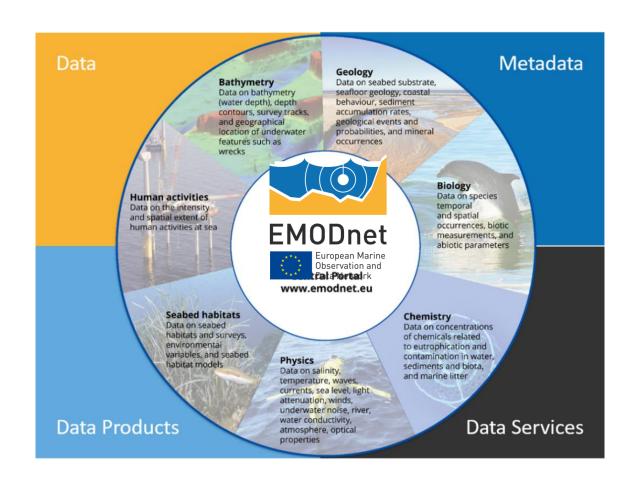
17th EMODnet Steering Commitee 7-8 November 2022

Dr. Conor Delaney – EMODnet Secretariat

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EMODnet Vision: Data services and web services to discover open and free access to data and data products from a trusted source

- INSPIRE (EU) and FAIR (International) data principles
- Aggregated, harmonized multiparameter data sets
- Searchable metadata (ISO standards)
- Data services (maps, query)
- Integrated data products
- Web services e.g. OGC, machinemachine readability e.g. WMS, WFS, WebS



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EMODnet Centralisation: Continued evolution for a fit-for-purpose user-driven service

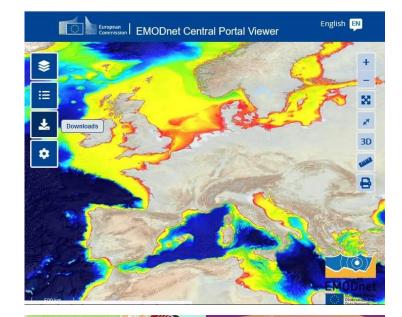
EMODnet new phase (by end 2022) will complete the consolidation stage to deliver a <u>fully centralized service</u> with:

- A simplified single-entry point to all data/data products;
- A data cache approach more suited to today's data driven world towards next phase ocean data and information management;
- An enhanced data discovery service using a central metadata catalogue and machine-machine search engine;
- A central map viewer;
- Interoperability across the digital (marine data) commons.





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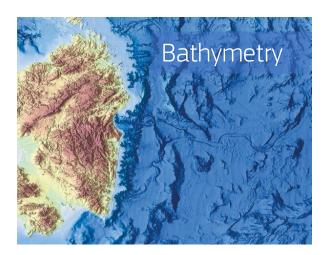


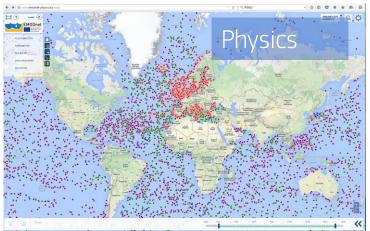


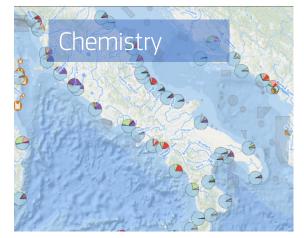
EMODnet: Diverse marine data and data products

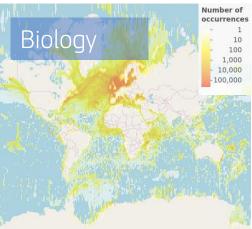
Result of working together: democratizing in situ marine data, for all

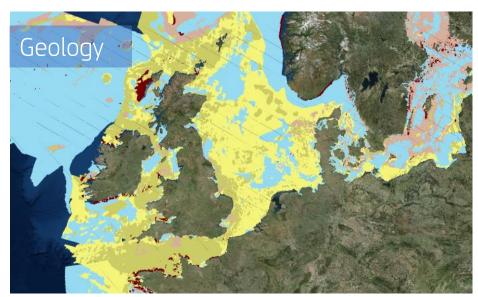


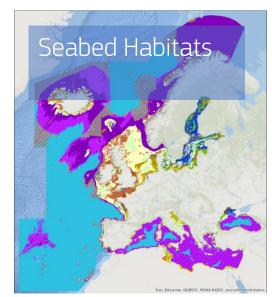






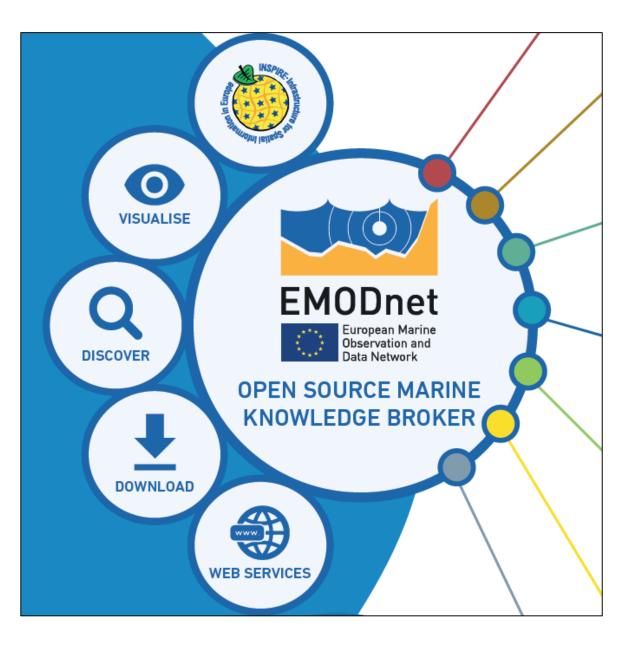


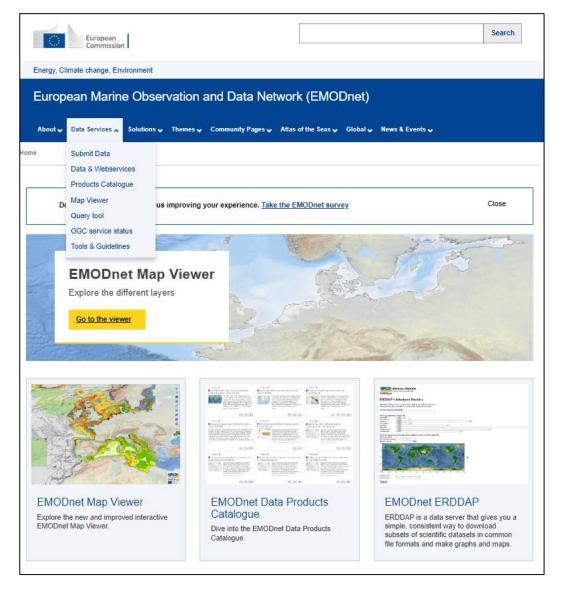






EMODnet Central Portal

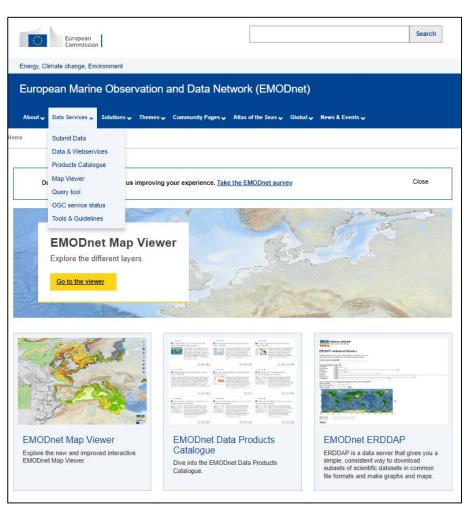




EMODnet | One new portal to replace all thematic portals.

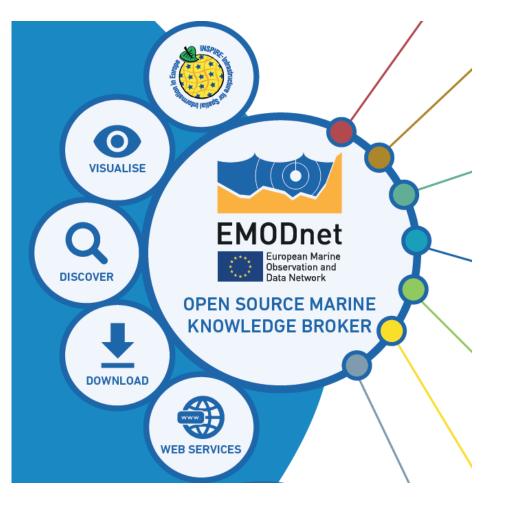


Old Website



- from other portals migrated to Central Portal.
- One catalog containing metadata and links to all data sets and products.
- One map viewer covering all themes.
- Close EMODnet thematic portals by end of 2022.

EMODnet: The EMODnet Central Portal



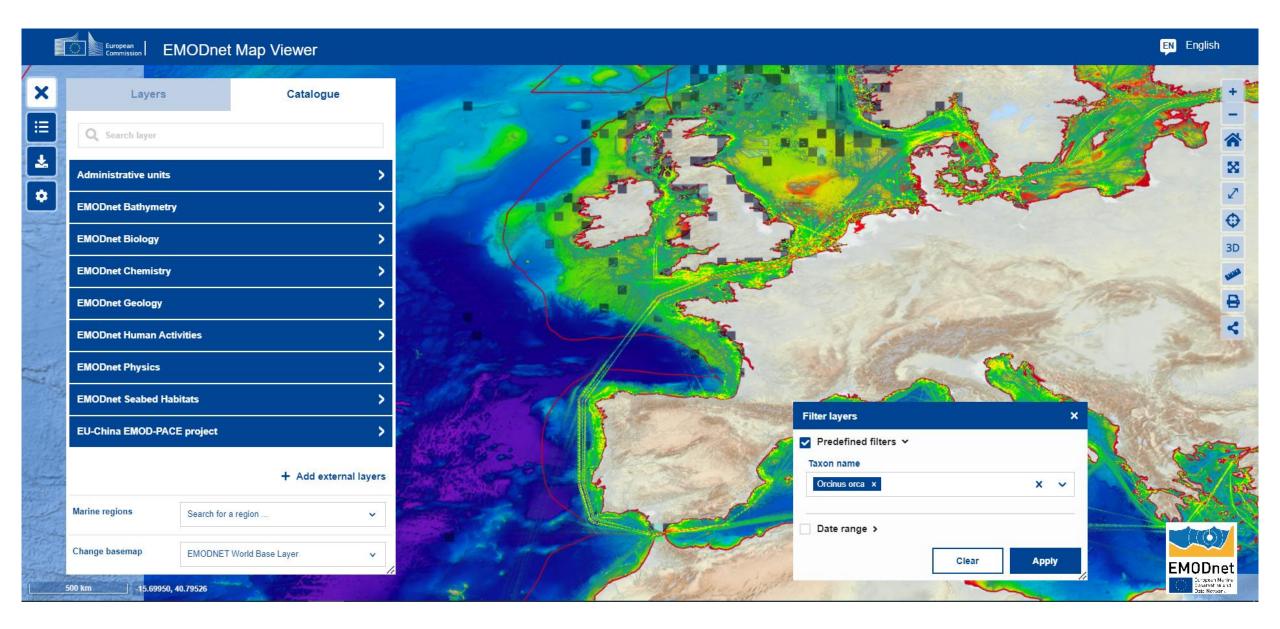
Technologies on Central Portal

- Geo/Map Viewer for displaying and downloading geospatial data
- GeoNetwork OpenSource server of metadata
- GeoServer OpenSource server of map layers
- ERDDAP OpenSource server of gridded data in NetCDF format
- OGC WebServices Standards used by geospatial webservices

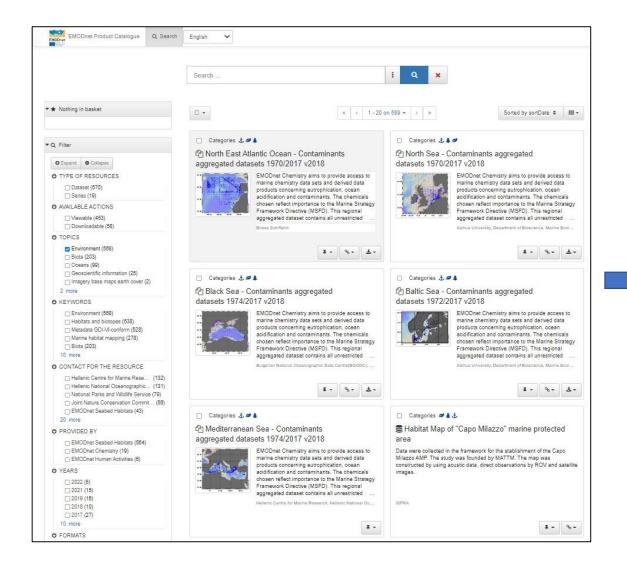
Technologies on Thematic Servers (not inclusive)

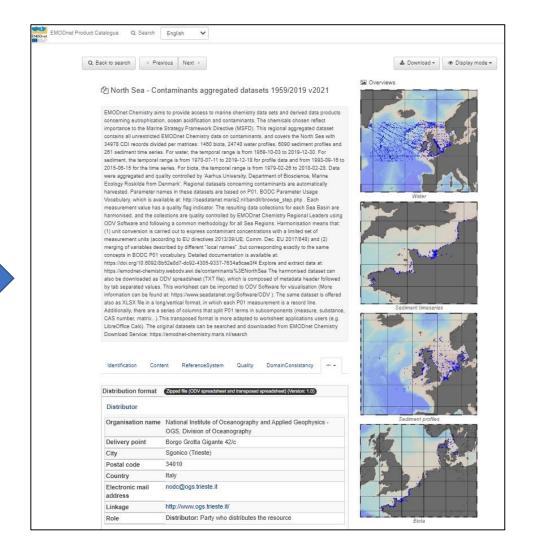
- GeoNetwork metadata harvested by CP
- GeoServer map layers served as web services
- ERDDAP Gridded data published in NetCDF format
- OGC WebServices Standards used by geospatial webservices

EMODnet | One new map viewer to replace all other map viewers.

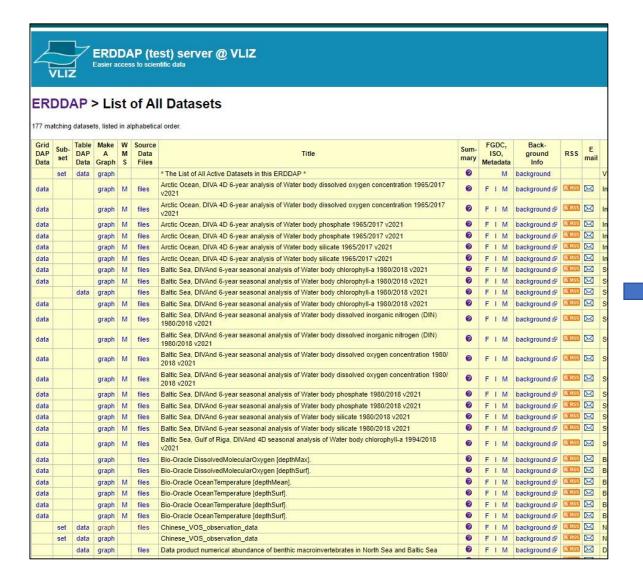


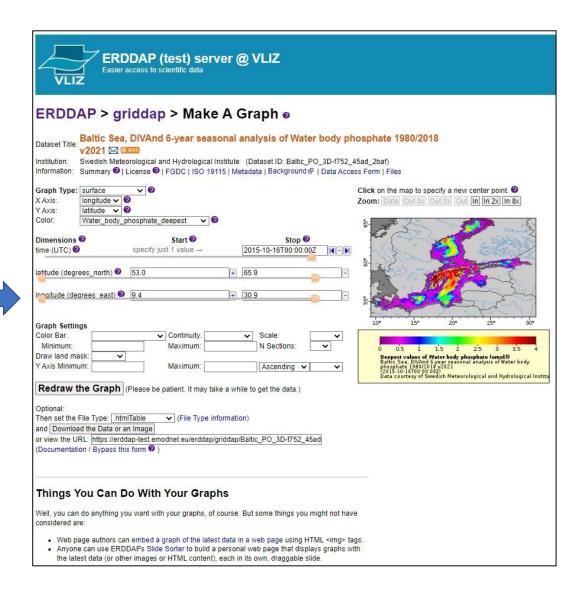
EMODnet | One central catalogue

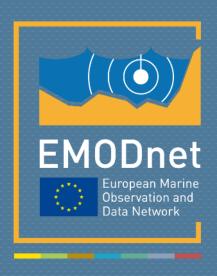




EMODnet | **One central ERDDAP** (Coming soon)







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Your gateway to marine data in Europe



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