



EMODnet

European Marine
Observation and
Data Network

Biology



EMODnet Biology

20th Steering Committee meeting

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29-30 April 2024 / Online



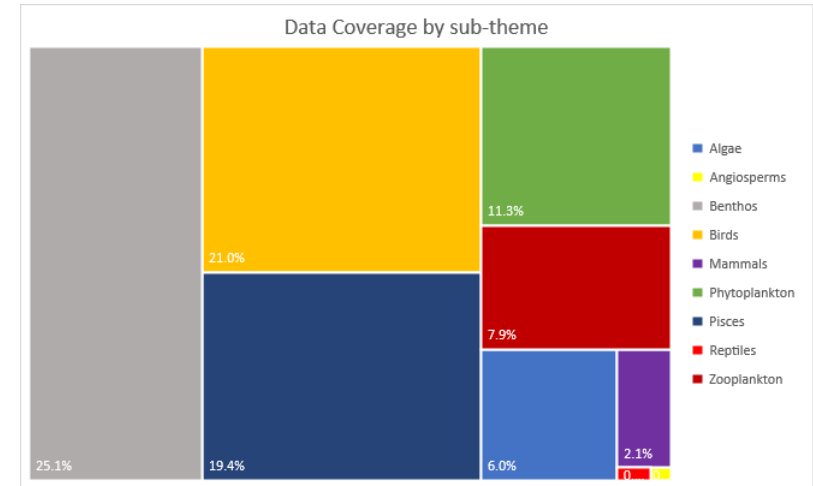
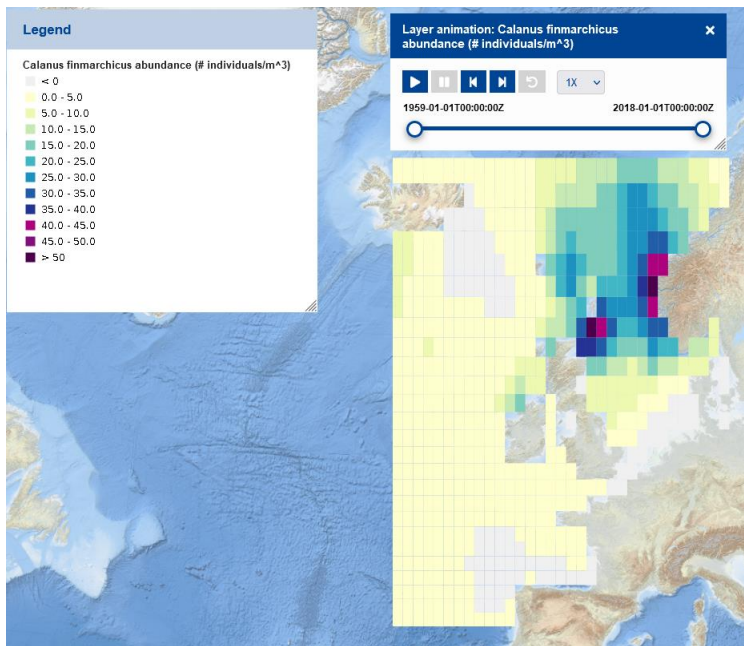
The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund.¹

EMODnet Biology current offer

Overview of services

Data

- 1325 datasets published
- 40.8M occurrence records
- 96.2M measurements and facts associated with biological records
- Sub-themes: Angiosperms, (macro)Algae, Benthos, Birds, Fish, Mammals, Phytoplankton, Reptiles, Zooplankton



Data Products

- 38 products
- 11 products in map Viewer (19 layers)
- 2 external products in map Viewer
- Species distribution maps (probability abundance, presence/absence, temporal changes, modelled habitat suitability, alpha diversity)

EMODnet Biology current offer

Data/Data Products for EU Policy



- Not easy to know which outputs (data/products) were used by RSC or for EU policy
- Results from our recent survey
 - 1 organisation declared they had used our data for their work
 - 3 organisations declared they had submitted data to EMODnet Biology (they are part of the consortium)
 - 3 organisations declared they had used data products (R Packages, distribution maps)
- Not easy to obtain information to publish use cases that demonstrate the use of our outputs in EU policy/RSC
- Published 4 leaflets with information customised to each RSC
 - <https://emodnet.ec.europa.eu/en/biology#Communication>

EMODnet Biology Future look

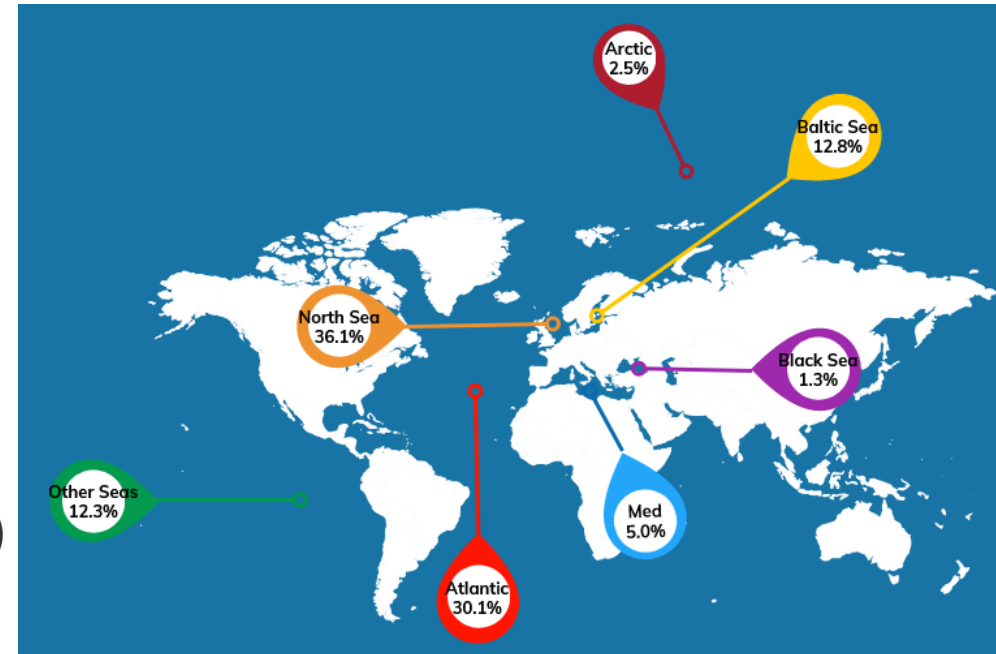
Service evolution

Workplan 2023-05-10 to 2025-05-09

- Data infrastructure developments
- Data Publication
- Data Product creation/Publication
- Increase communication and collaboration with RSC and other stakeholders
- D4.2.4 Report on progress for the publication of fisheries survey data due 2024-05-09

Key gaps

- Data collected under Directive framework (MSFD, Birds and Habitats)
- Arctic Ocean, Black Sea, Mediterranean Sea
- Angiosperms, Mammals, Reptiles
- Expertise in birds/mammal migration patterns



Engagement, Partnerships and Use Cases

- Ongoing discussions with JRC regarding biodiversity monitoring efforts and data availability via EMODnet Biology
- Last Use case: [“Facts and figures on the importance of UNESCO World Heritage Marine Sites for marine biodiversity”](#)
- IFREMER re-joined consortium as data provider
- Collaboration with EMODnet Seabed Habitats for product creation: benthic species lists for each individual habitat polygon as well as summaries of species for different habitat types
- Ongoing discussions for future collaboration with EMODnet Geology for joint product creation

Events attended

Since last SC meeting

November	December	January	February	March	April
<ul style="list-style-type: none"> . EuropaBON Webinar: Stakeholder consultation (online) . EuropaBON workshop (online) . EMODnet Jamboree and Open Conference (Brussels, Belgium) 	<ul style="list-style-type: none"> . EMODnet Steering Committee meeting (Brussels, Belgium) . MSFD Expert Network on Marine Biodiversity meeting (Incidental Bycatch Threshold Values) (online) 	<ul style="list-style-type: none"> . EMODnet future evolution and governance (Online) 	<ul style="list-style-type: none"> . EMODnet webinar for EU Mission: restore our Ocean and Waters and Horizon Europe (online) . Meeting with Eurostat (online) 	<ul style="list-style-type: none"> . VLIZ Marine Science Day (Oostende, Belgium) . EMODnet TWG meeting (online) . Iliad Webinar: Digital Twins of the Ocean and Biodiversity (online) . NECCTON workshop on standardization of biodiversity products 	<ul style="list-style-type: none"> . EMODnet Biology annual meeting (Constanta, Romania) . EMODnet Biology workshop for the RSC (hybrid) . EMODnet Vision 2035 Drafting Group (Online)

Questions for further discussion

- Data policy statement for EMODnet data/data products should be easily available in the CP
- Clarification needed on the inclusion of EMODnet Biology products/data in the data lake and catalogue
 - Concerns about provenance degradation
 - Will we have access to usage metrics for our resources in the data lake/catalogue?
 - Data product reformatting done without output confirmation by consortium partners. Are the products altered in any way (e.g. do values change)?
- EU funded projects outputs submitted to EMODnet
 - Expectation management. What constitutes submission of data/products to EMODnet?
 - Is a metadata record in the EMODnet catalogue sufficient?
 - Do the data/products need to be available in the map Viewer/webservices?
 - The work/support required to publish data/products is not negligible
 - This task was not envisaged in our workplan-> no resource (human/financial) available
 - EMODnet Ingestion webinar is a first step, but insufficient as it (naturally) does not provide detail specific for each lot
 - EMODnet Biology has a workshop planned for the EU projects and might adjust this to include a data training aspect
 - Collaboration with Seabed Habitats when it comes to data submission from these projects
 - What support does DG MARE and CINEA have in place for the thematic lots?



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