

EMODnet Biology: the EU service for marine *in situ* biodiversity data

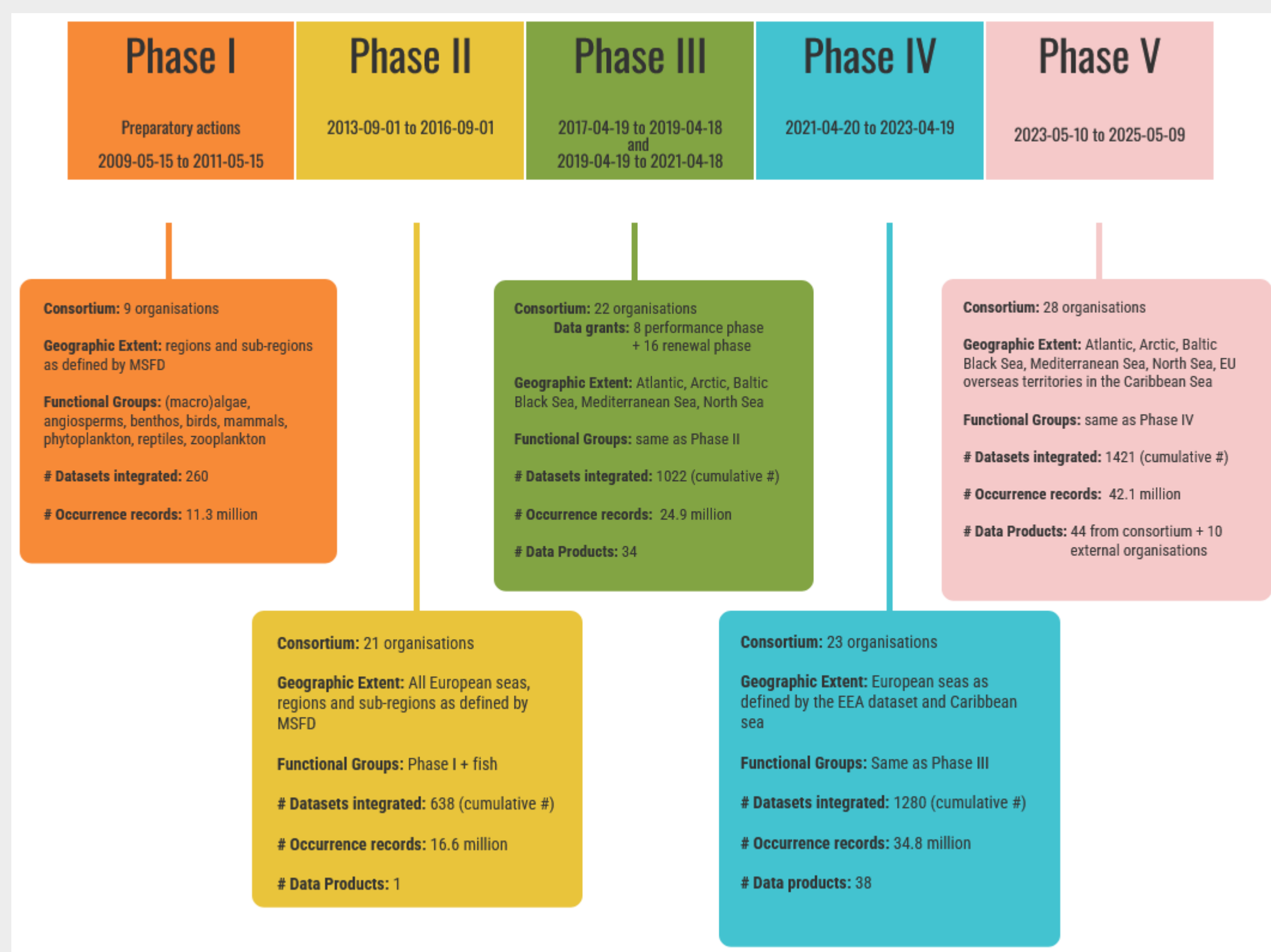
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OVERVIEW

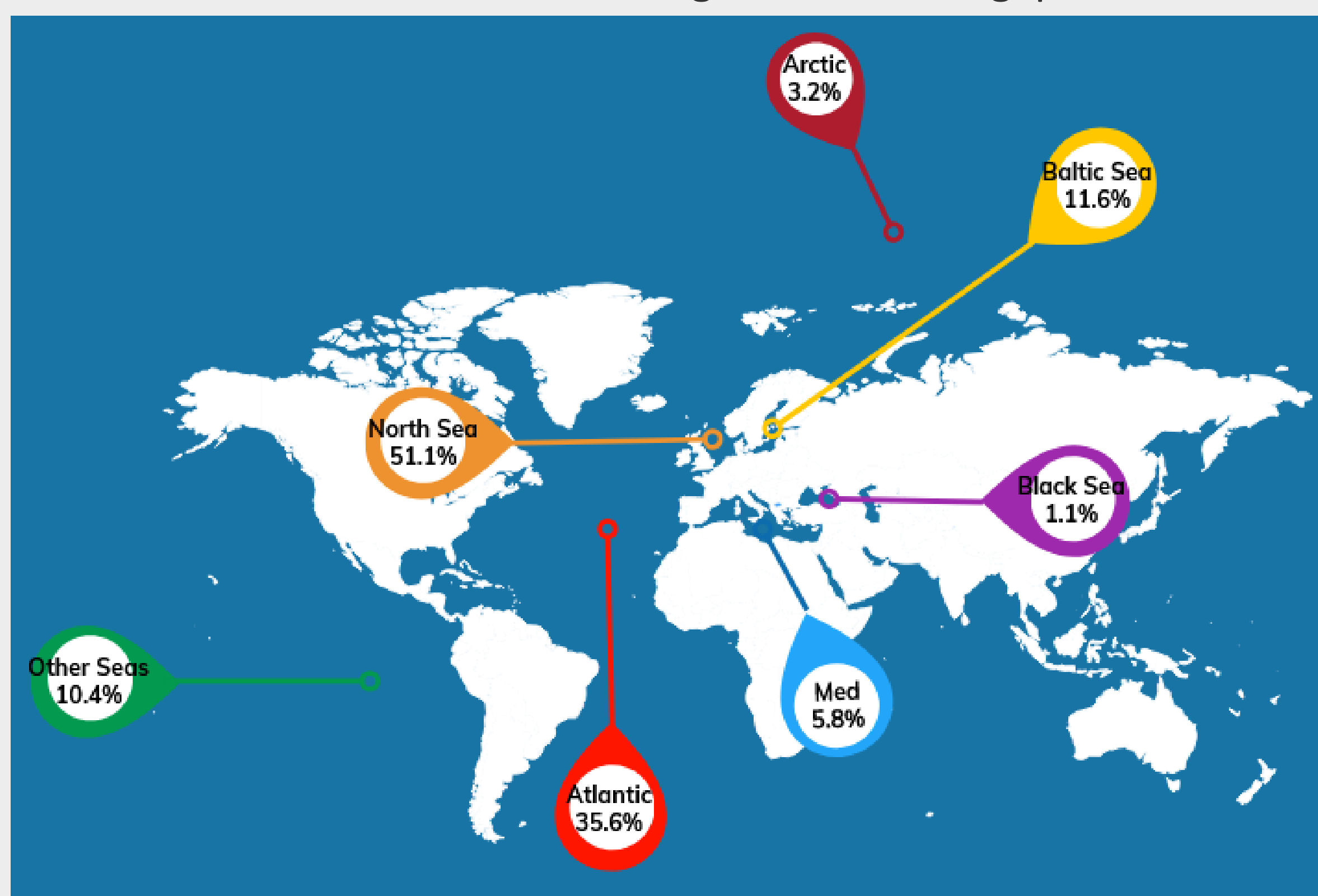
- EMODnet Biology was setup in 2009 and is currently in Phase V.
- 2-year extension is foreseen until 2027 and work will continue until May 2027

Summary of the initiative's timeline for each Phase and main outputs



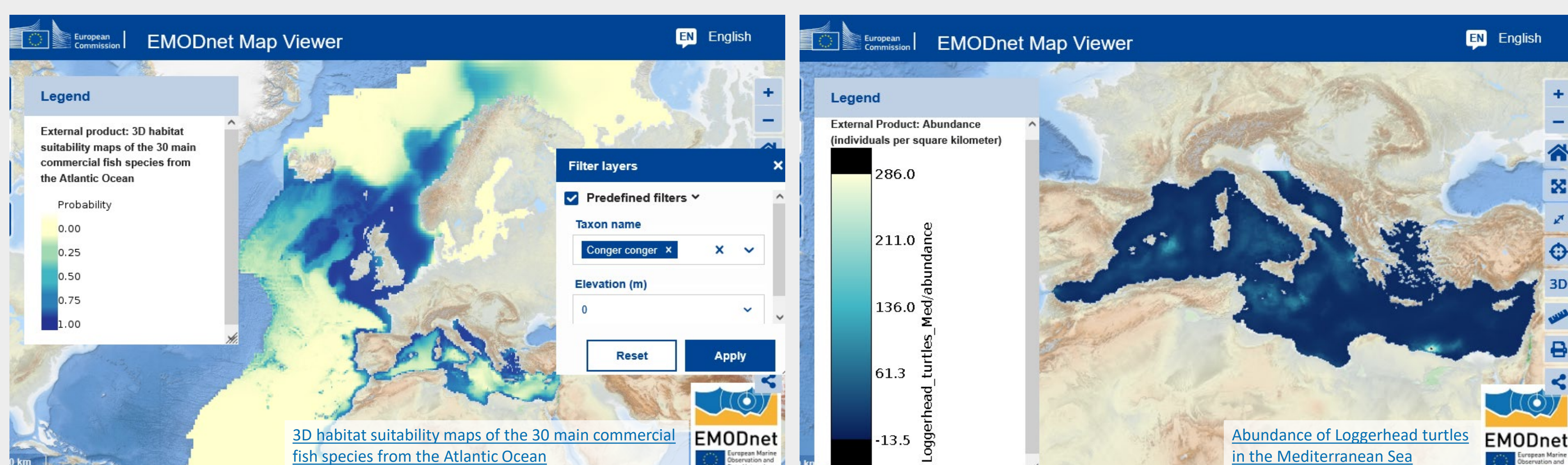
SATIAL DATA GAPS AND PLANNED ACTIONS

- 42.1 million taxa occurrences and almost 105 million biotic and abiotic parameters available,
- Regional data gaps in the Arctic Ocean, Black and Mediterranean Seas
- Targeted actions (e.g. workshops, webinars, participation in various events) to encourage data submission
- Re-publication of data already available in infrastructures like GBIF or OBIS is another line of work that contributes to the closing of these data gaps.



SUPPORT FOR EU MISSION OCEAN FUNDED AND OTHER PROJECTS

- EMODnet Biology provides Support to EU Mission Ocean-funded projects, other research projects and external organisations
- Seamless integration of project outputs into EU services, including EMODnet and EDITO-INFRA
- Product creation made by EMODnet Biology consortium organisations



DATA TYPES

The data types supported by EMODnet Biology have been expanding through the various Phases.

- Phase IV-publication of taxa observations derived from imaging methods
- Phase V- publication of genomics based taxa occurrences

GENOMICS DATA

- Implementation completed in December 2024
- Three datasets published=> 20 thousand occurrence records



CAPACITY BUILDING ACTIVITIES

- Organisation of workshops and creation of training resources for data providers
- Collaboration with EurOBIS (European OBIS node), MedOBIS (Mediterranean OBIS node), LifeWatch Belgium, and LifeWatch ERIC

In Phase V the events organised were:

- Nov 2023: [EMODnet Biology Autumn Data School - Data rescue via citizen science platforms](#)
- Apr 2024: [EMODnet Biology Workshop with the Regional Sea Conventions](#)
- Nov 2024: [EMODnet Biology workshop for European Research and Innovation, and Mission: Restore our Ocean and Waters biodiversity projects](#)

A final Phase V event is planned for May 2025: [EMODnet Biology Data Management Training Course for Mediterranean organisations](#)

For data providers:

- Support from the Data Management Team via bio@emodnet.eu
- Self-paced free course 'Contributing datasets to EMODnet Biology'
 - Hosted by OTGA
 - First developed in 2018
 - 3rd version (V2024)



emodnet.ec.europa.eu/biology

BIOLOGY



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