



EMODnet



European Marine
Observation and
Data Network

EMODnet Ingestion

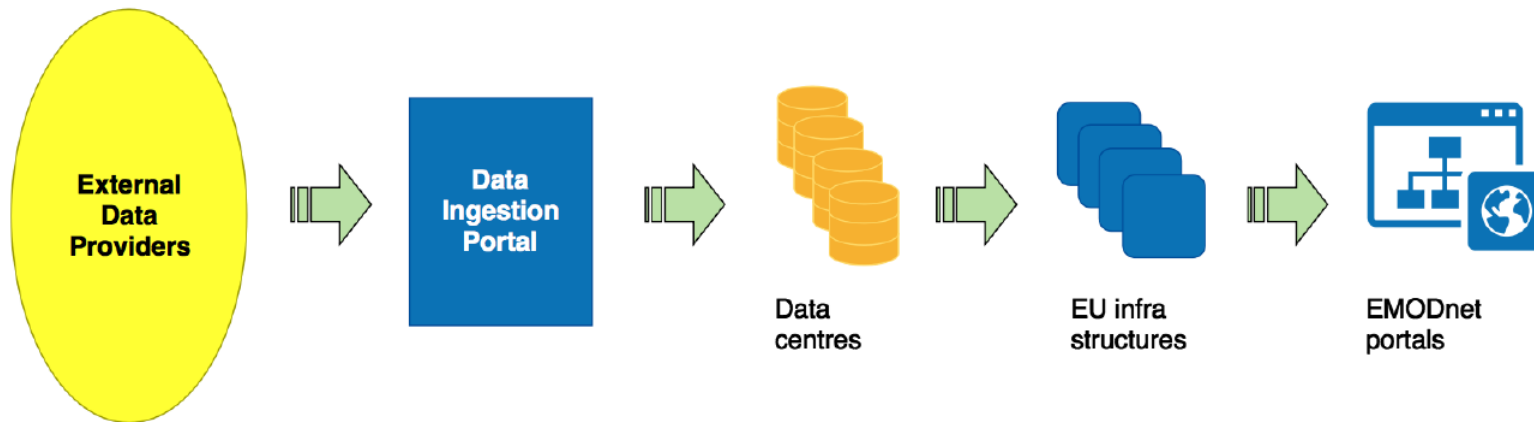
16th EMODnet Steering Committee
27-28 April 2022

Dick M.A. Schaap
Sissy Iona

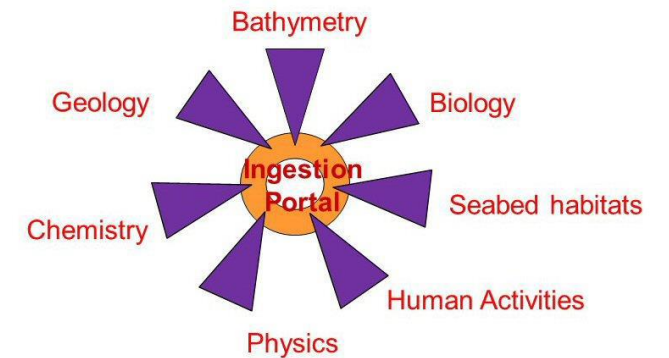
EMODnet Ingestion
www.emodnet-ingestion.eu

EMODnet Thematic status update

- To identify, encourage and support data holders (from public and private sectors) to become part of the mainstream processes of the EU data repositories.
- EMODnet Ingestion portal operates services to facilitate data holders submitting marine data sets for publishing, further processing and safekeeping by expert data centres, and subsequent distribution through EMODnet thematic portals
- EMODnet Ingestion interacts with all EMODnet Thematics and all thematic coordinators are members of the consortium together with a network of data centres, experts in handling data from specific themes and data types



Submission workflow

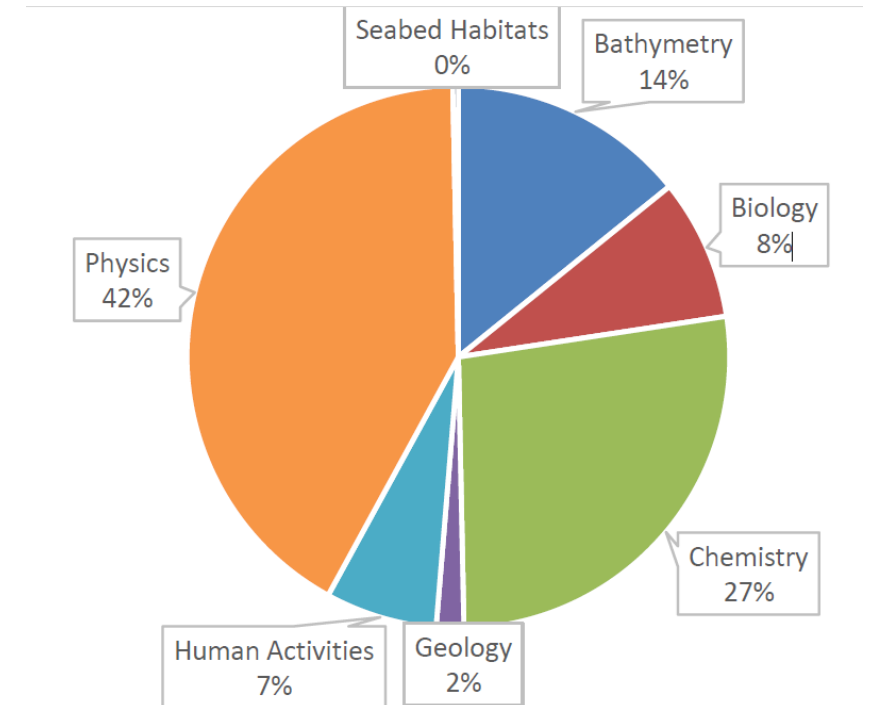
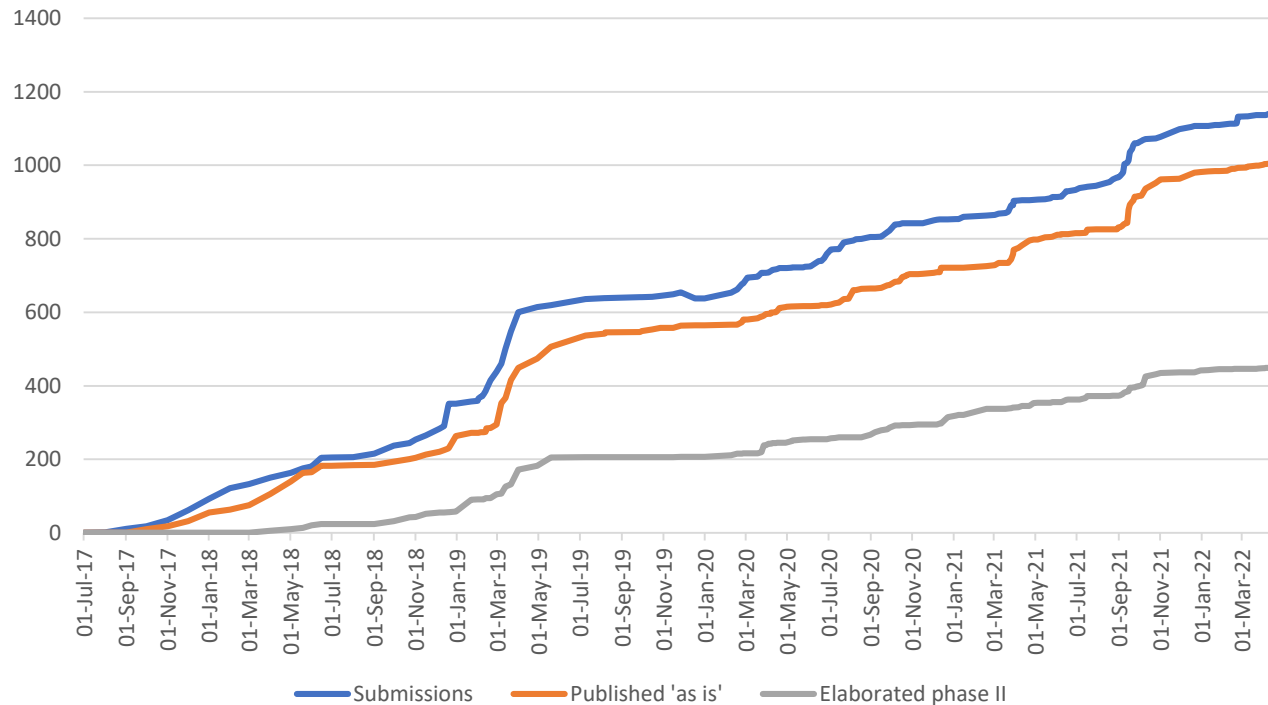


50 data centres

EMODnet Thematic status update

- Distinction between 2 phases in the life cycle of a data submission:
 - **Phase I:** from data submission to publishing '*as is*'
 - **Phase II:** further elaboration and integration (of subsets) in national, European and EMODnet thematic portals.

Submissions and processing in time



Cross-Thematic Interactions:

- **Cooperation with EMODnet Physics:**

- **Connection of NRT data streams to the EU operational oceanography data exchange** managed by Copernicus CMEMS-INSTAC, EuroGoos, and SeaDataNet.
 - Identifying, encouraging, and supporting new operators and/or new stations to connect to the European ocean data exchange => NRT data and archived data made available through EMODnet Physics
- **RT data exchange**
 - Use of SWE standards by several operators, >1500 sensors connected to the SWE demo at EMODnet Physics
 - Adoption of SWE by Eurofleets+ project for underway data streams from Research Vessels

- **Cooperation with EMODnet Chemistry:**

- Submissions of **Marine Litter data sets by Member States** as part of TG-ML
- Assigned data centres and OGS as ML coordinator work together on reformatting to ML standards, inclusion in EMODnet Chemistry central ML databases and population into CDI service

- **Cooperation with EMODnet Human Activities:**

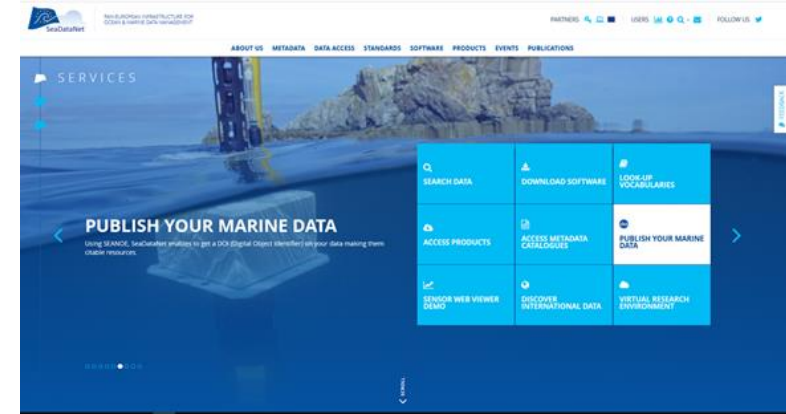
- Submissions of **Marine Spatial Plans by Member States** as part of agreement with DG MARE
- COGEA as assigned data centre for processing the submissions and inclusion in EMODnet Human Activities map viewing service

- **Cooperation with Biology, Seabed Habitats, Bathymetry, and Geology:**

- Submissions assigned to expert data centres and possible Phase 2 inclusion in appropriate European infrastructures (SeaDataNet, EurOBIS, EGDI, ICES, COGEA) and from there towards the relevant EMODnet thematic portals.

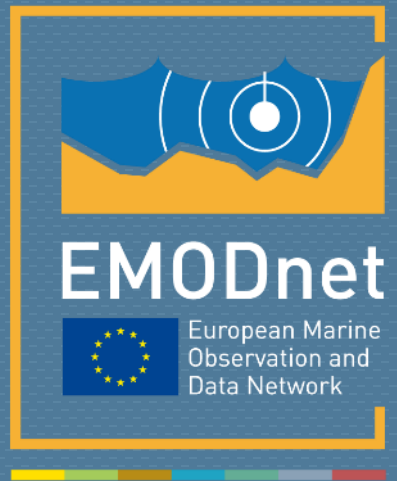
External interactions

- **Coupling with SeaDataNet/SEANOE data citing service:**
 - Dynamic exchange has been deployed
 - >140 SEANOE scientific data submissions have been published
- publish and get a DOI for your data !**
- New **Video** about “**Success Stories**”
 - New **Video** about “**Your Data Work It**”
 - Contacts with e.g. REMP, SBM Offshore, OceanEye, C2Wind, and others with interest in Data Submission



Future Outlook

- Previous contract finished 10th October 2021
- New contract just started from 1st April 2022 till 31 March 2024 and possibly another 2 years
- Further identification, encouraging, and supporting possible data providers (research, government, NGOs, industry) to bring in their data and adopt common standards and procedures to streamline data and metadata flow and to establish a sustainable process
- Also cooperation with EU HORIZON projects as part of their DM activities
- Two new activities:
 - **Migration to Central Portal (start not before end 2022)**
 - **Improve and document availability of data provided for coastal and offshore licenses**
 - Identification of Potential Stakeholders: (M1-6)
 - Baseline Assessment/Inventory of Data Collection and Licensing Processes in Each Country: (M6-M12)
 - Set up Database: (M12-M18)
 - Initiating development of a Roadmap towards a more harmonised approach, including WorkShop (M12-M22)



emodnet.ec.europa.eu

Your gateway to marine data in Europe

