Progress EMODnet-Ingestion
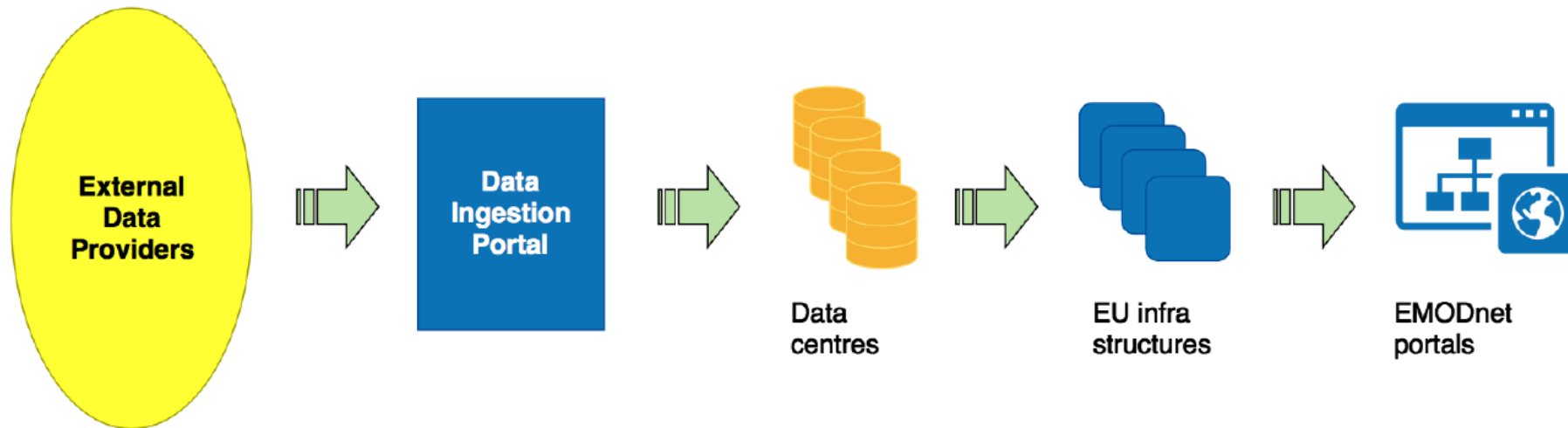
15th EMODnet Steering Committee Meeting
8-9 September 2021

Dick Schaap
Sissy Iona

EMODnet Ingestion
https:/www.emodnet-ingestion.eu
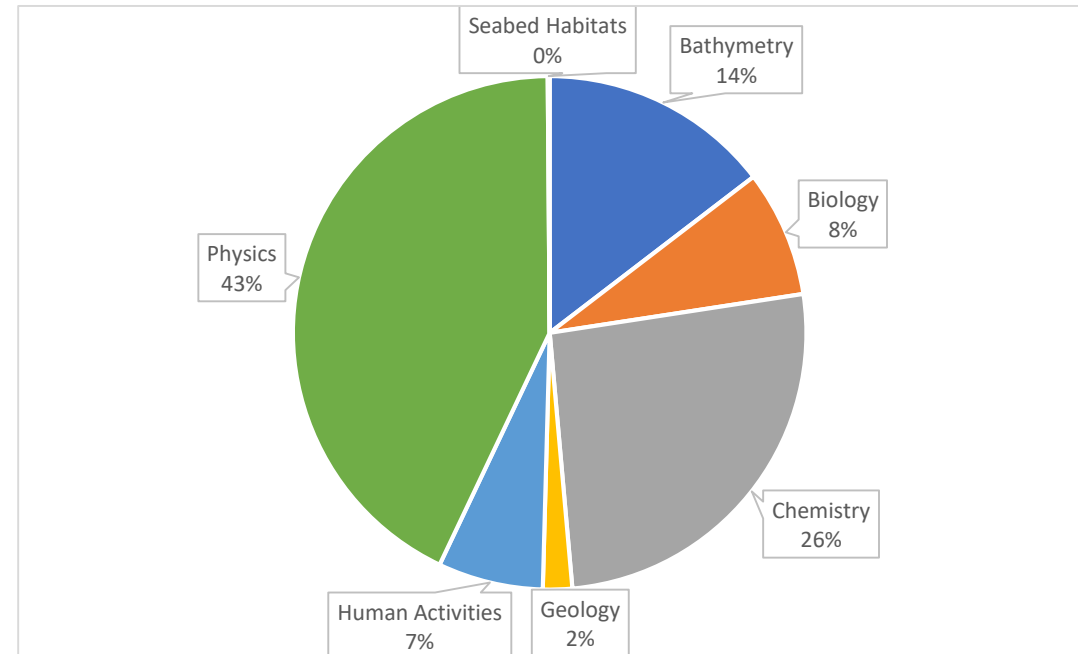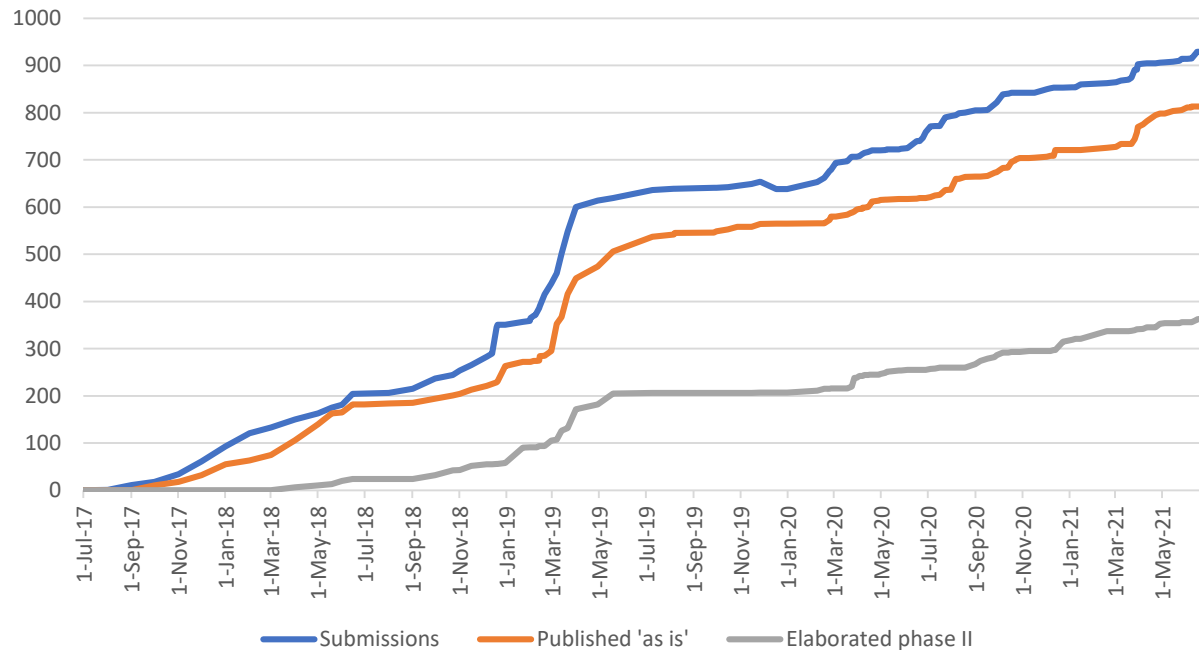
EMODnet Thematic status update

- To identify, encourage and support data holders (from public and private sectors) to become part of the mainstream processes of the EU data repositories.

- To launch and operate an **extra EMODnet portal** with 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

External Data Providers → Data Ingestion Portal → Data centres → EU infra structures → EMODnet portals

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Observation and
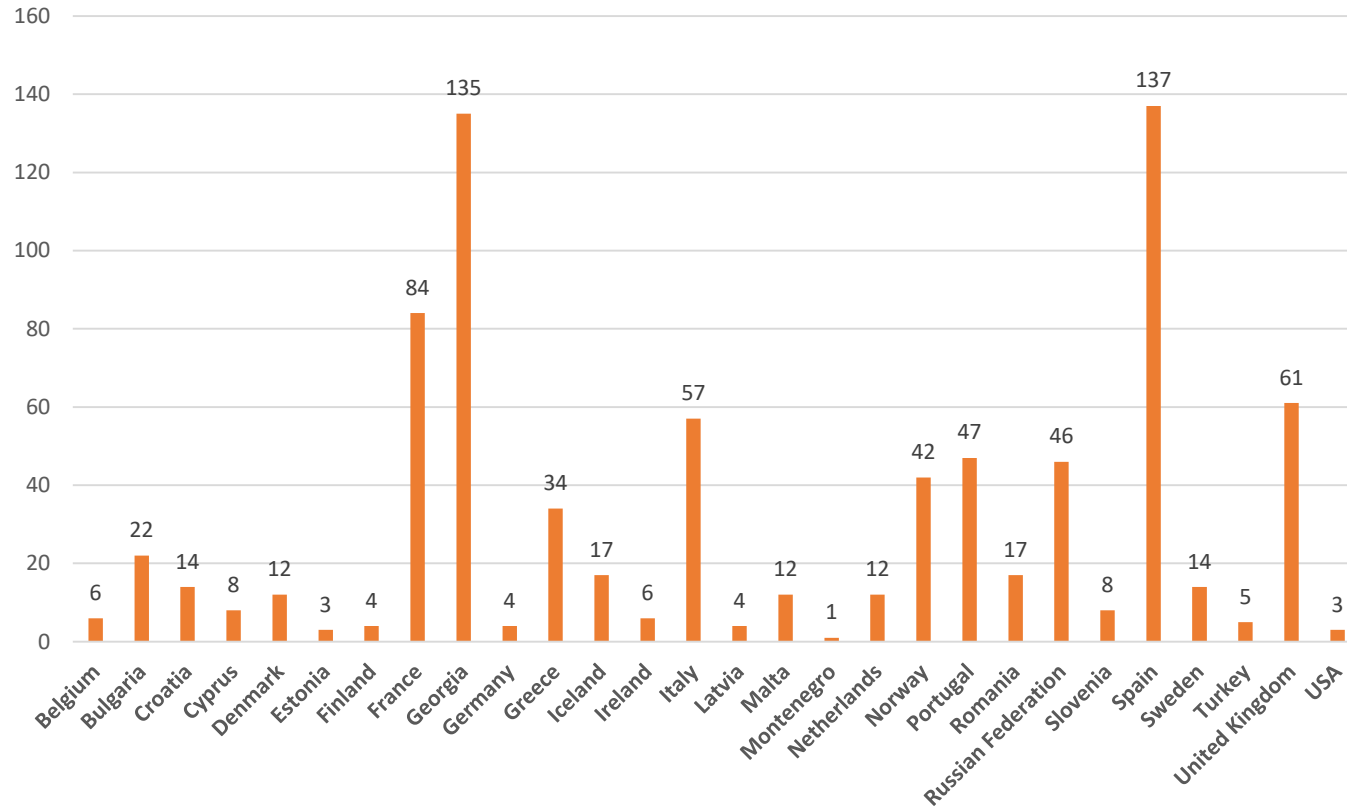Data Network

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.
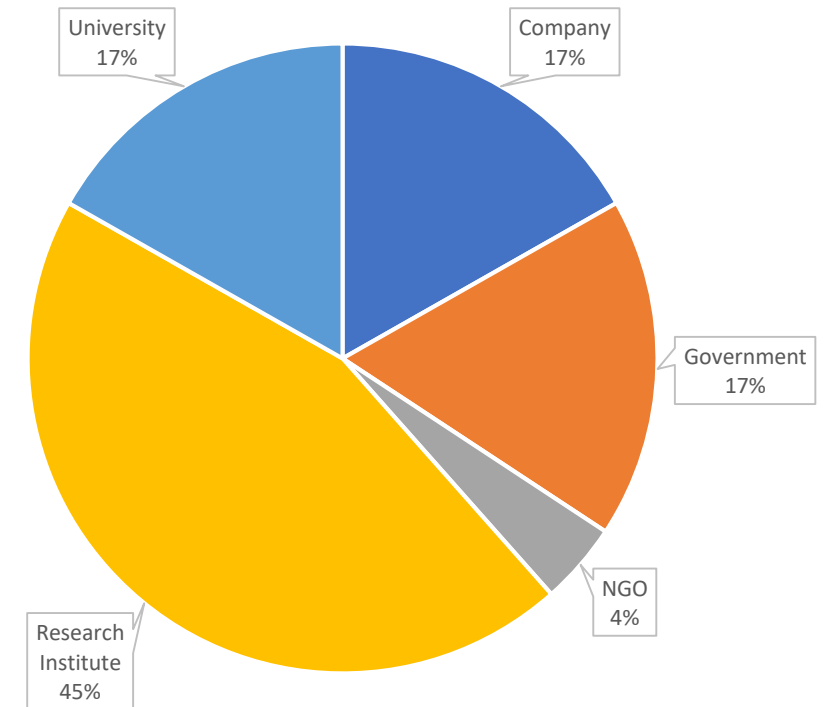

Submissions and processing in time

EMODnet Thematic status update

Submissions per country (total 815)

Data originators by sector (total 144)

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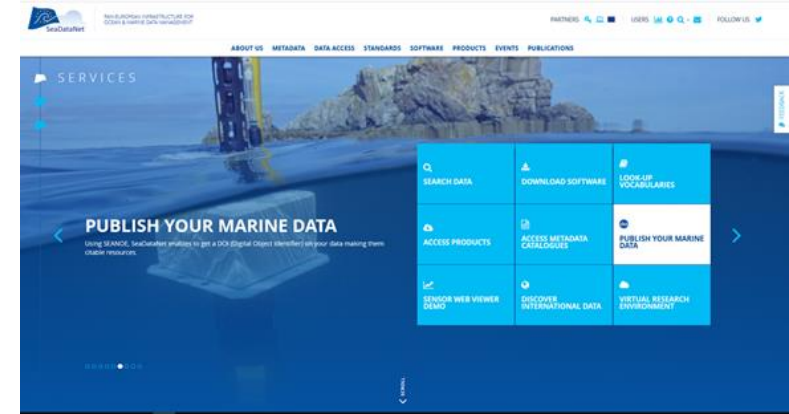
- **Cooperation with EMODnet Human Activities:**
  - Submissions of **Marine Spatial Plans by Member States** as part of agreement with DG MARE
  - COGEA as assigned data centre for processing the submissions and inclusion in EMODnet Human Activities map viewing service

- **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.
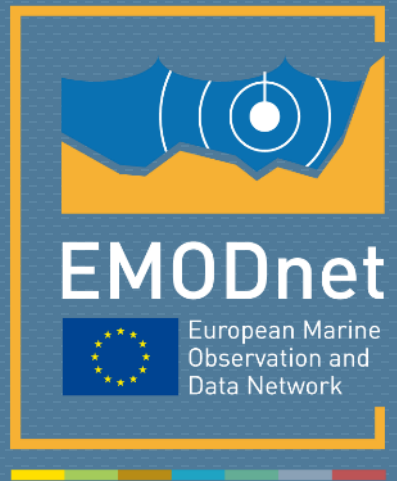
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External interactions

- **Coupling with SeaDataNet/SEANOE data citing service**: publish and get a DOI for your data !
  - Dynamic exchange has been deployed
  - >90 SEANOE scientific data submissions have been published

- **Renewables Grid Initiative** (RGI), who are interested in sharing data from windfarms etc and keen in adopting best practices in data management. RGI working on a Data Inventory.

- New **video** with success stories and further work ongoing for section on website

- Contacts with e.g. REMP, SBM Offshore, OceanEye and others with interest in Data Submission

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Future Outlook

- Contract will finish 10th October 2021

- Plenary meeting planned end September 2021

- Action ongoing for publishing remaining submissions, where possible

- Reporting planned for end November 2021

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Your gateway to marine data in Europe