EMODnet Ingestion progress

14th EMODnet Steering Committee Meeting
Spring 2021
19-20 April

Dick Schaap
Sissy Iona

EMODnet Ingestion
www.emodnet-ingestion.eu

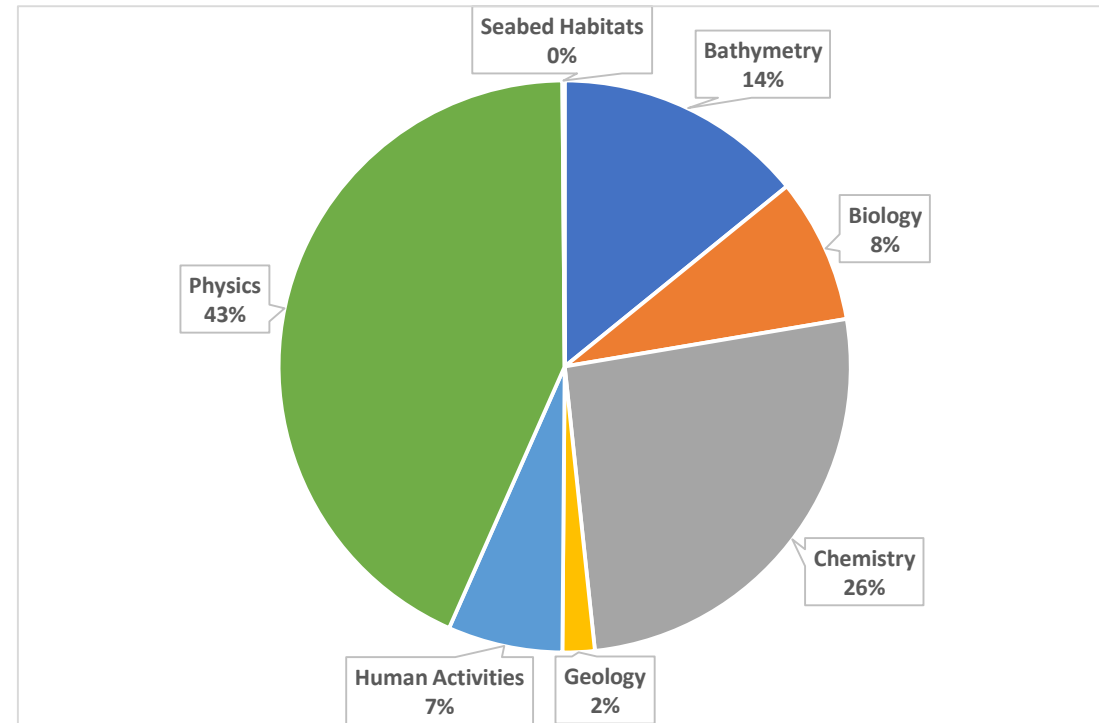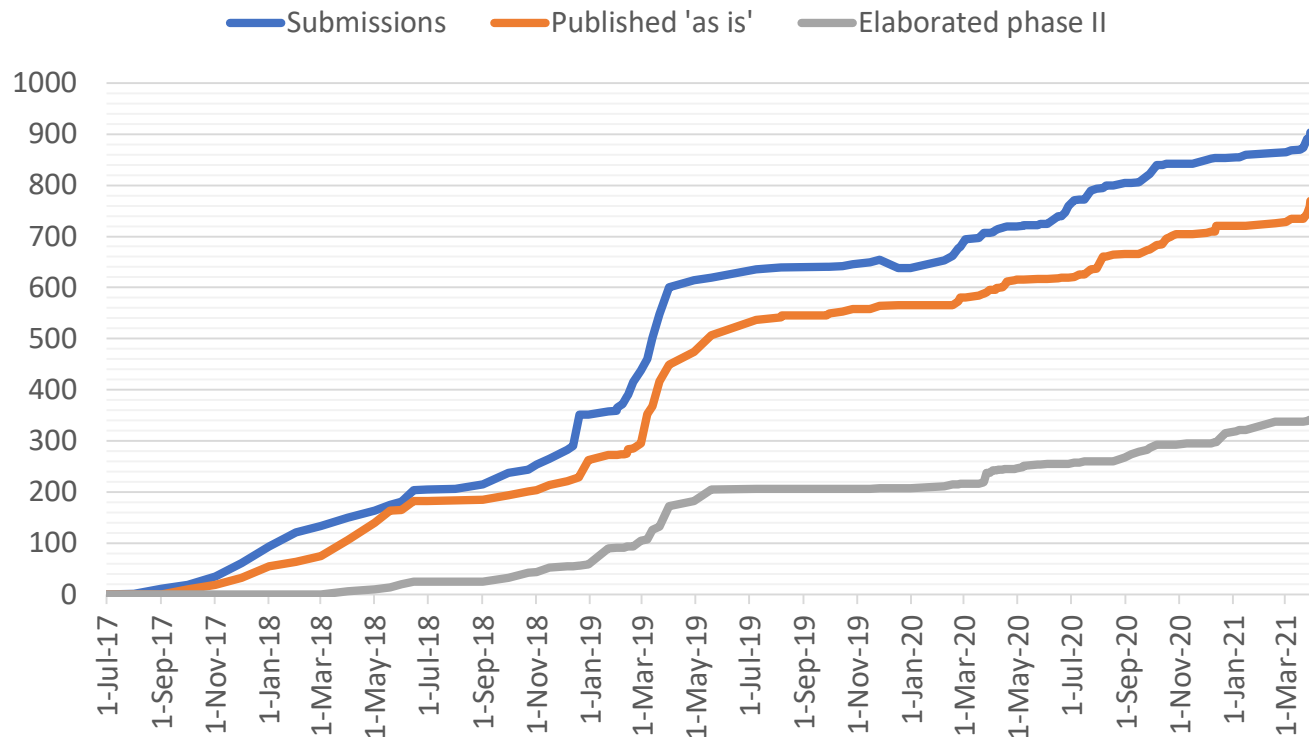# EMODnet Thematic status update: November 2020 – April 2021

- 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
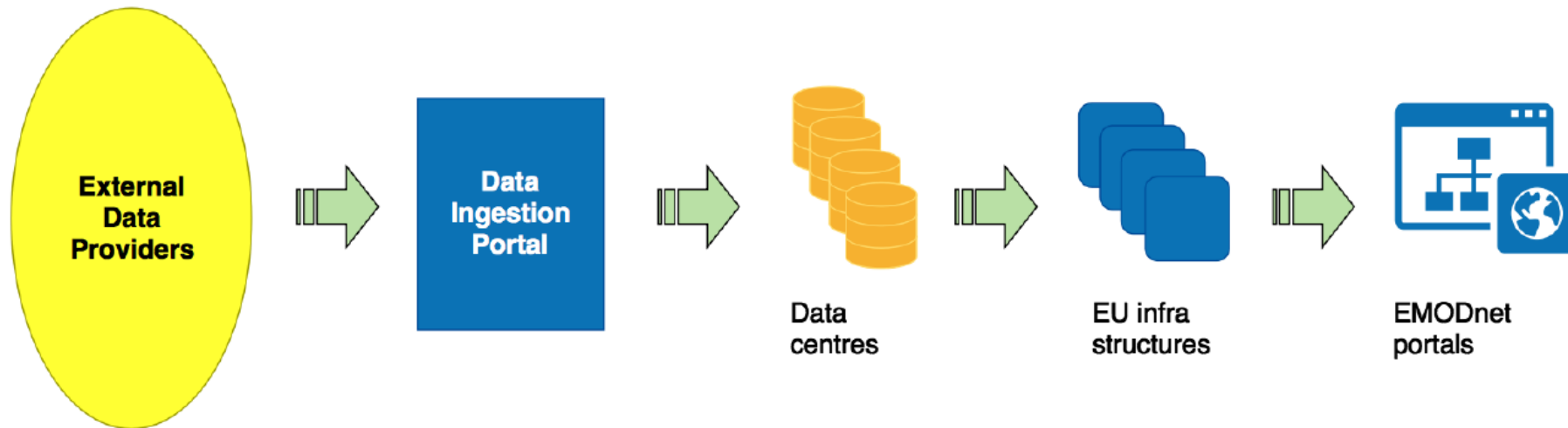
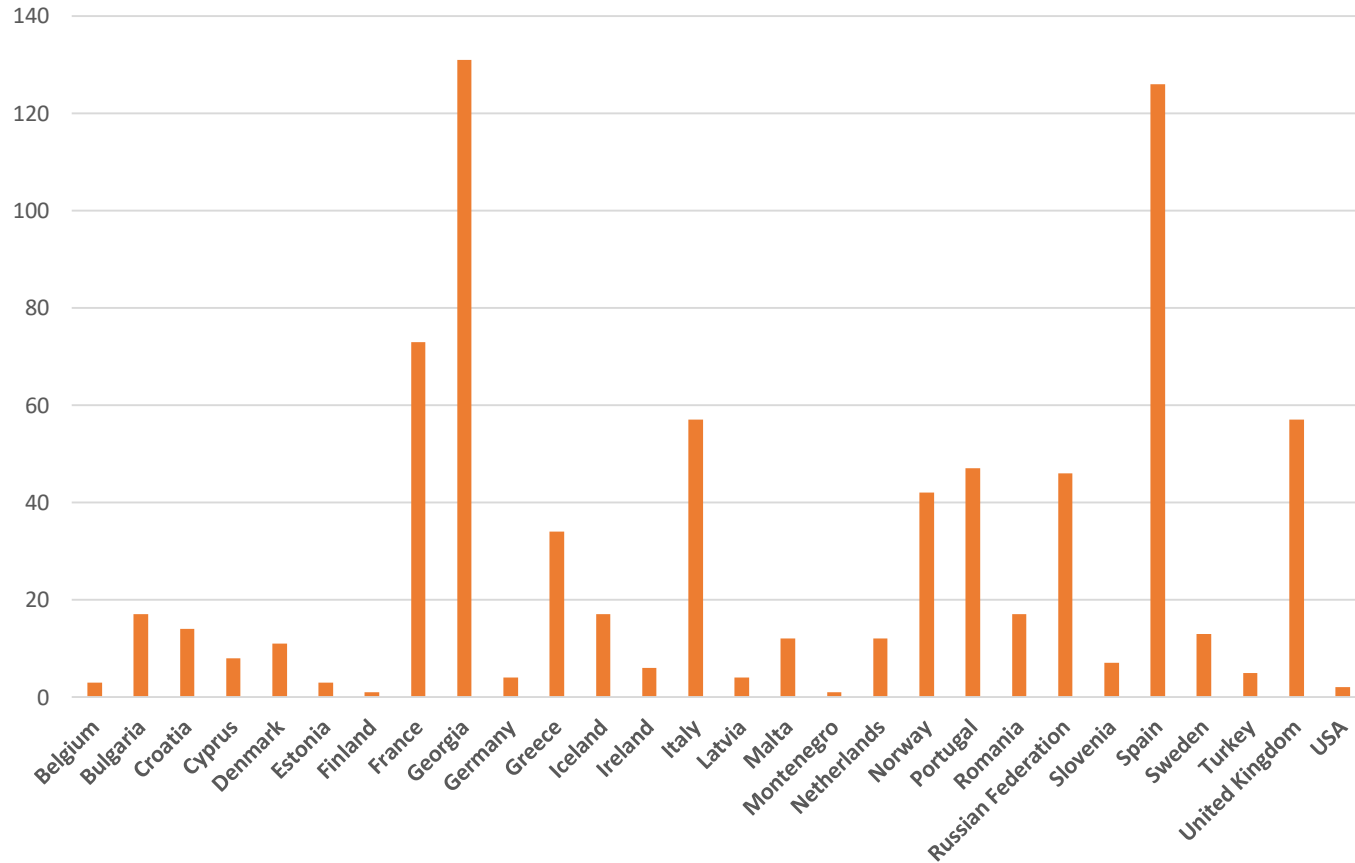# EMODnet Thematic status update: November 2020 – April 2021

- 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.
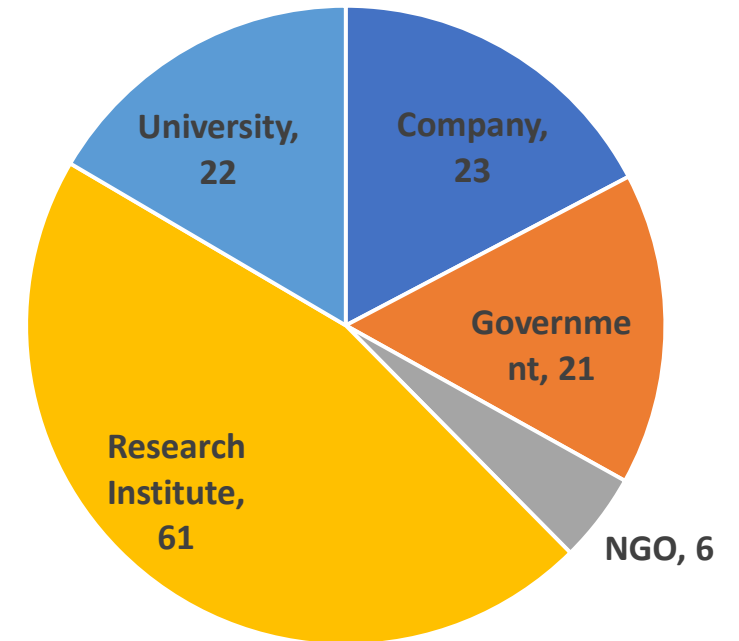

Submissions and processing in time

EMODnet Thematic status update: November 2020 – April 2021

Submissions per country – total 770

Data originators by sector – total 133

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**Example:
Marine Scotland
Science cruises:
Data now in
EMODnet
Chemistry**

Ingestion of operational data together 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
  - Multiple sources connected (HFR sites, river stations, T-MEDNET and SailDrone, wave buoys, Fish vessel data), now available at EMODnet Physics
 - Long term archival at SeaDataNet through EMODnet Ingestion.

- **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
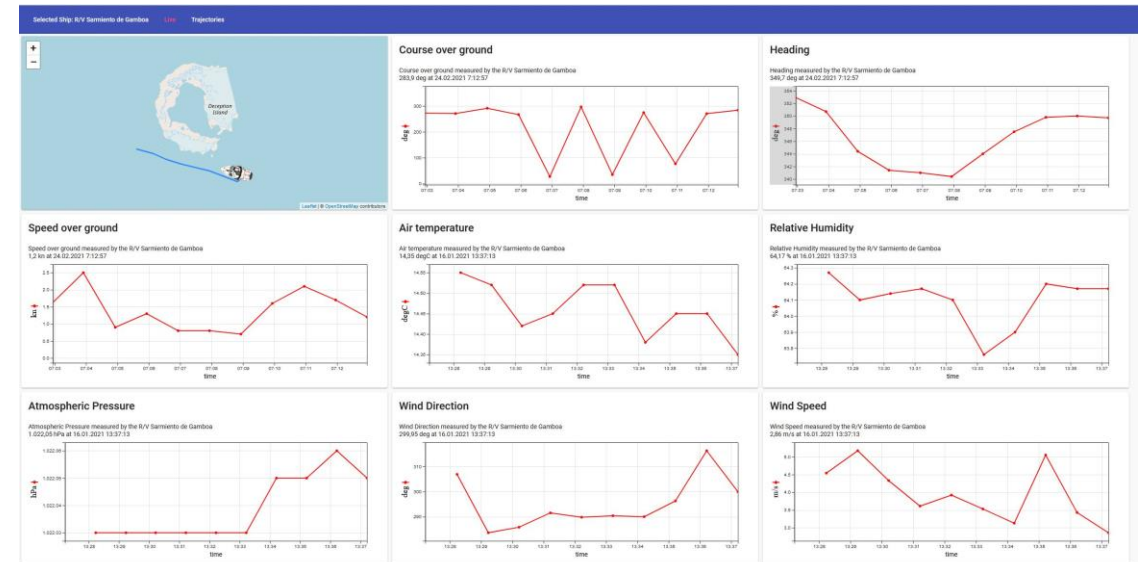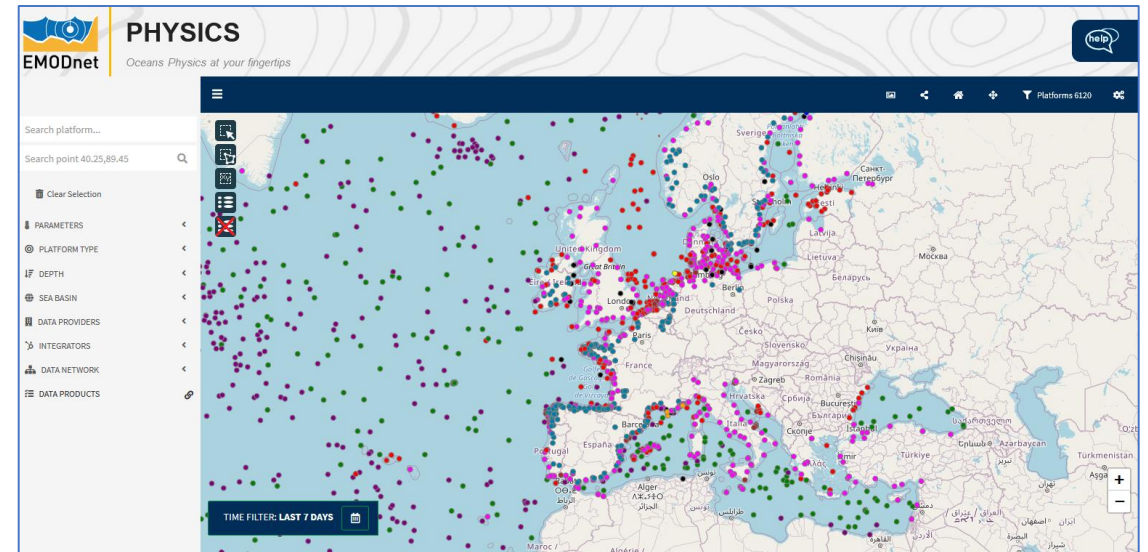
External interactions

- **Coupling with SeaDataNet/SEANOE data citing service**: **publish and get a DOI for your data !**
  - Dynamic exchange has been deployed
  - >100 Seanoe scientific data submissions are now in EMODnet

- **Coupling with the Crown Estate Marine Data Exchange (MDE)** is under development

- Recent contact with **Renewables Grid Initiative** (RGI), who are interested in sharing data from windfarms etc and keen in adopting best practices in data management

- Further contacts for **Aquaculture sector** and **MSP** together with Human Activities
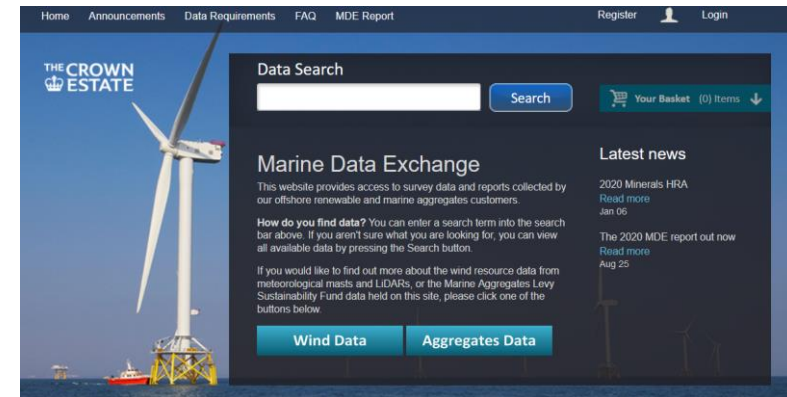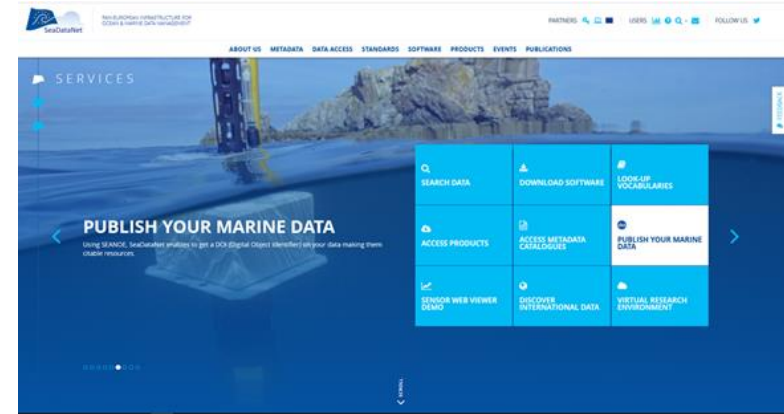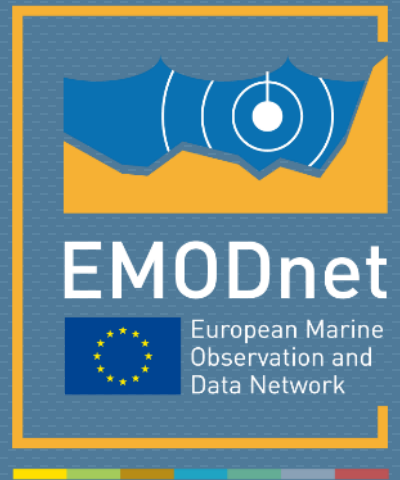
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