Key updates and forward look
EMODnet Ingestion

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EMODnet Ingestion: project workplan

- EMODnet Ingestion 3 contract started on 30/03/2022 (now M8)
- Submitted two quarterly progress reports showing good progress

Work Package No.	Work Package title	Covering tasks	
WP0	Project Management	Task 6 – EMODnet tuning Task 10 – service continuity (transfer strategy part)	
WP1	Construct and operate central Data Ingestion portal with services	Task 1 - web-portal Task 5 – tracking service Task 7 – summary service Task 10 – service continuity (technical configuration part)	
WP2	Implement and operate pathways	Task 2 – pathways Task 4 – help service	
WP3	Facilitate machine-to-machine transfers	Task 3 – machine-to-machine	
WP4	Marketing and outreach	Task 8 – outreach Task 9 – coastal and offshore license data	

Project Objectives and approach

◉ To **identify**, **encourage** and **support data holders** (from public and private sectors) to **share their data** with EMODnet by teaming up with EU data management infrastructures.

◉ To operate the **EMODnet Ingestion portal/platform** 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 as **open data**.

◉ Use is made of standards, best practices, and existing marine data management infrastructures, data centres and pathways* towards the EMODnet data portals


External Data Providers → Data Ingestion Portal → Data centres → EU infra structures → EMODnet portals
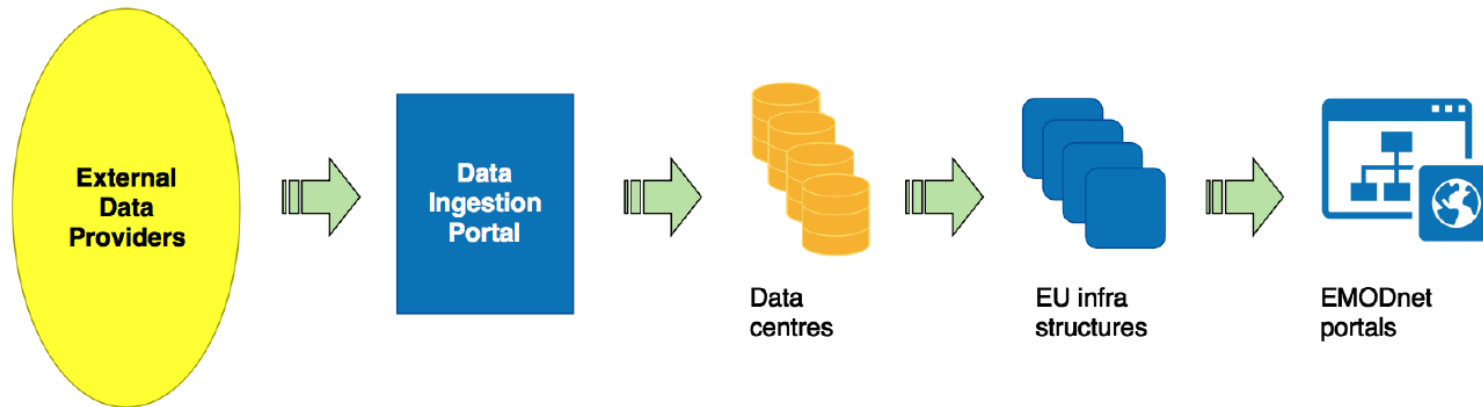
Workflow from submission to elaborating and processing for publishing in EMODnet

◉ *Data Centres, SeaDataNet, EurOBIS, EGDI, ICES, CMEMS, and others*

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Progress on data submissions
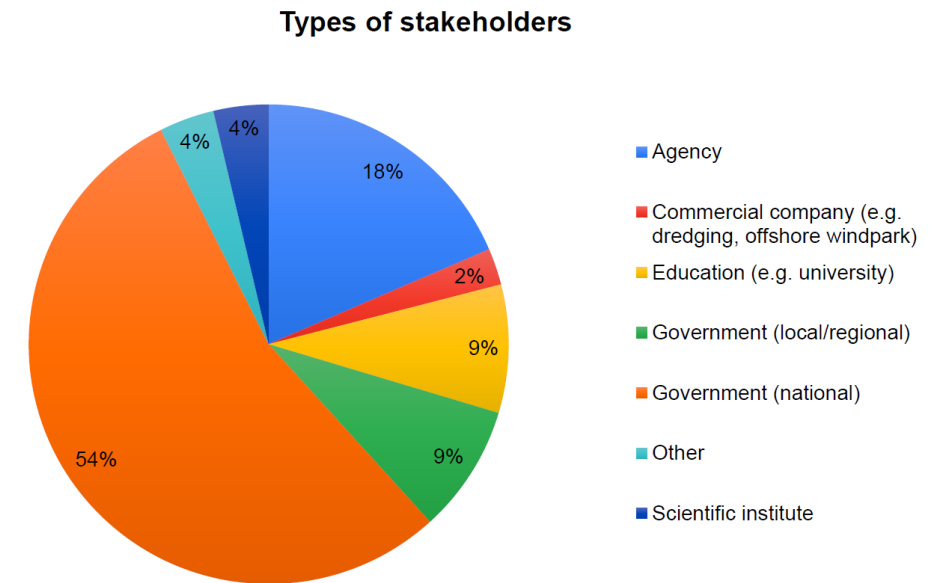

Submissions and processing in time
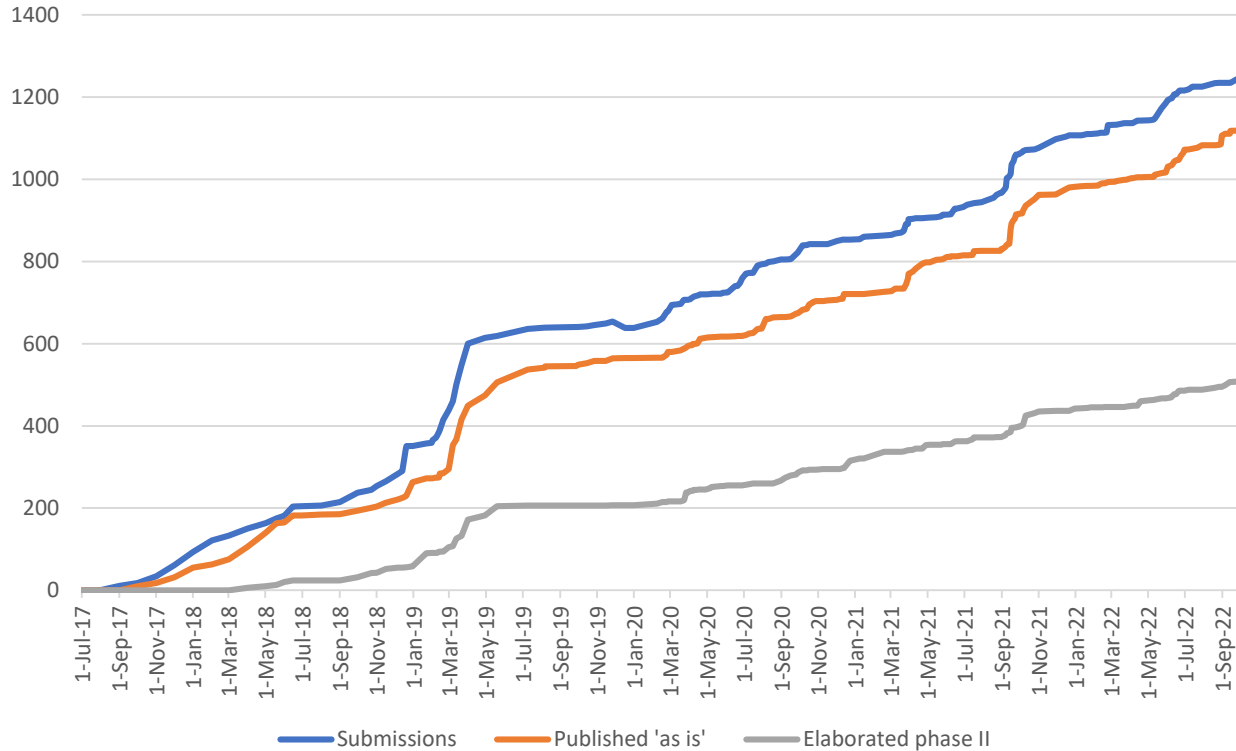
- ◉ **Phase I**: publishing 'as is'.
- ◉ **Phase II**: elaborated and integrated in European and EMODnet thematic portals
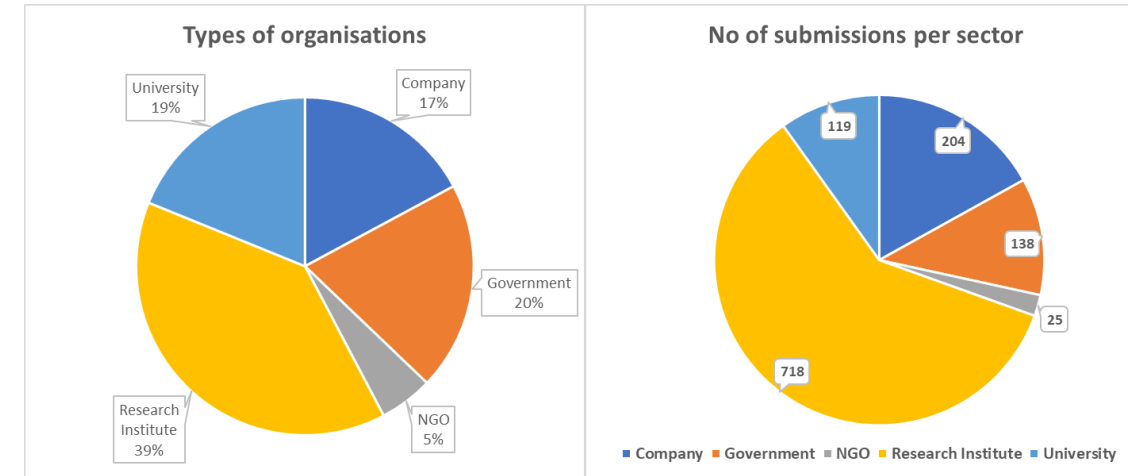
**> 1200 submissions in total, Phase I-II
> 180 organisations**

Engagement of coastal & offshore license data

- Extra emphasis will be given to **improve** and document the **availability of data provided for coastal and offshore licensing** (for aquaculture, offshore energy, …):

  - Identify stakeholders (license authorities per country and sector)

  - Analyse license procedures for data monitoring and reporting, and long-term data management

  - Discuss findings with stakeholders, aiming at a more harmonised and effective approach, benefitting the European marine data exchange.

- Initial inventory from 16 countries and 77 stakeholders identified:

Types of stakeholders

- 18% Agency
- 2% Commercial company (e.g. dredging, offshore windpark)
- 9% Education (e.g. university)
- 9% Government (local/regional)
- 54% Government (national)
- 4% Other
- 4% Scientific institute

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# Establishing M2M transfers for operational stations (together with EMODnet Physics)

◉ Identifying, convincing and supporting operators of oceanography observation platforms and networks to **connect & share** their **NRT data streams to the EU operational Oceanography data exchange**

◉ EU operational exchange is managed by Copernicus Marine, EuroGOOS, and SeaDataNet

◉ => **Already > 450 platforms have been added to this NRT exchange**
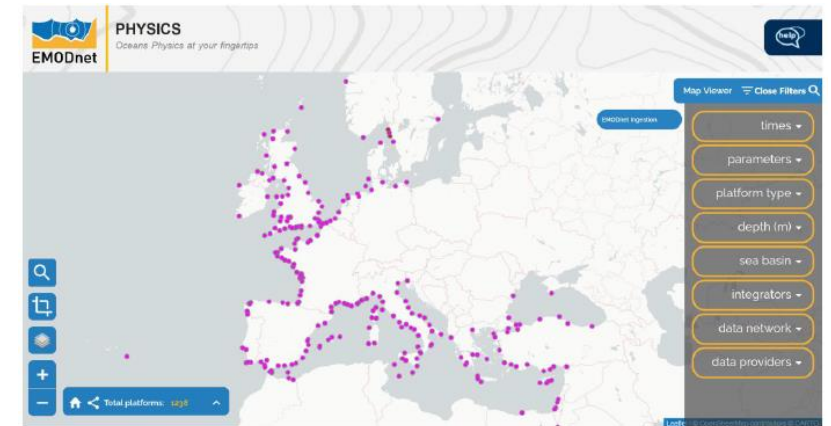
View of EMODnet Physics Mapviewer of NRT sources added with EMODnet Ingestion

Forward look

◉ To identify and interact with **more** external data providers which will lead to more **submissions** and **EMODnet engagement** as well as **education of data providers in data management standards and procedures**

◉ To identify, convince and support **more** operators of oceanography observation platforms and networks to **connect & share** their **NRT data streams to the EU operational Oceanography data exchange**

◉ To map and document the data flow procedures in European countries related to coastal and offshore licensing, interacting with the earlier identified stakeholders

   ◉ To analyse these procedures and discuss these at a workshop with stakeholders aiming for best practices

◉ To analyse migration options for EMODnet Ingestion portal and services
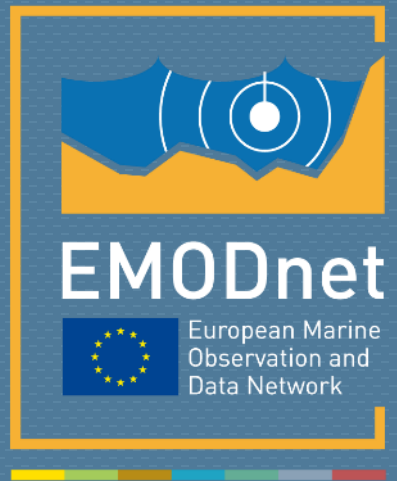
emodnet.ec.europa.eu

Your gateway to marine data in Europe

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