EMODnet Data Ingestion

On behalf of Sissy Iona (HCMR), Dick Schaap (Maris), Project consortium

12th Meeting of the IHO-EU Network WG
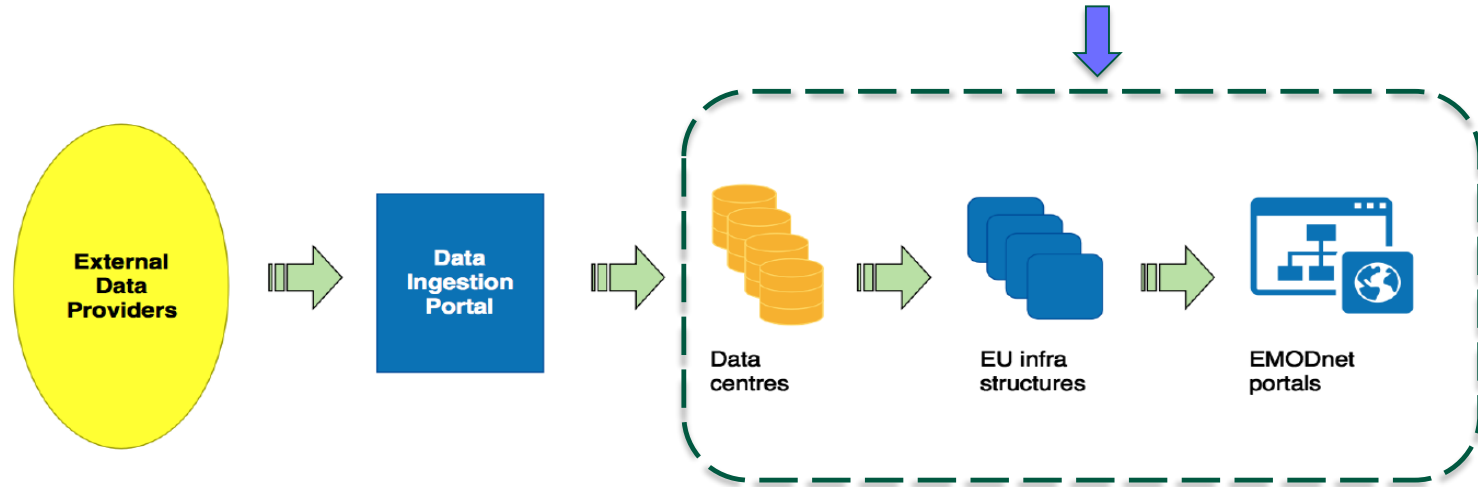
8th – 9th December 2021

Overall objectives

◉ To **identify**, **encourage** and **support data holders** (from public and private sectors) to share their data with EMODnet and to become partner in the EU data management infrastructures for data exchanges.

◉ To operate and maintain 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 as **open data**.

◉ To target data providers that are not yet routinely submitting data sets to national data centres and who are not yet familiar with the marine community data management practices and standards.

Principle data flow

Use and collaboration with **existing European marine data management infrastructures and pathways** feeding into EMODnet data portals.

Workflow from submission to elaborating and processing for publishing in EMODnet

The EMODnet Ingestion Portal and its services (since Feb. 2017)

www.emodnet-ingestion.eu

Data Submission Service (the core service)
(with integrated services such as the on-line submission form, user management service, tracking service)

Discovery and Access service
(operating on the ingested and completed data submissions)

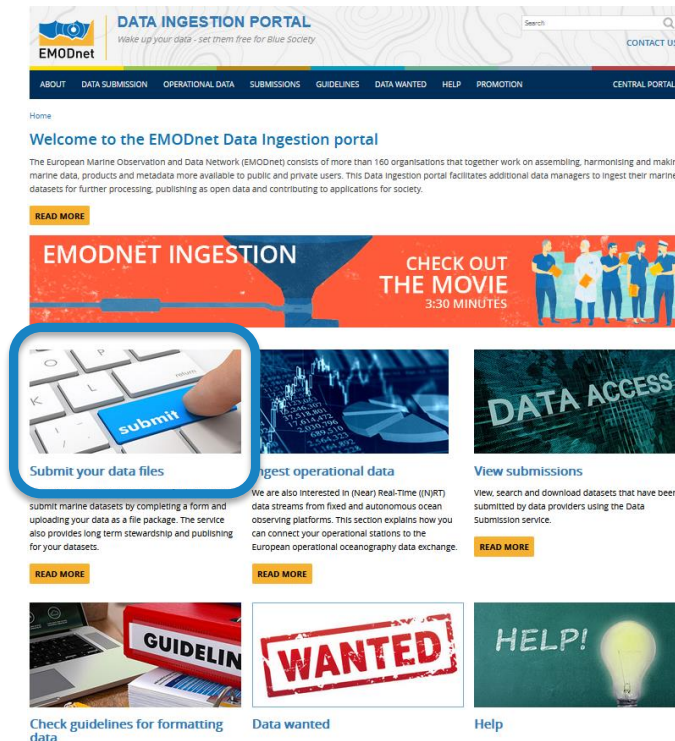## Service for integrating operational data
(working together with EMODnet Physics)

Data Wanted service

Help Desk

Guidelines

On-line submission form

- Based on **ISO 19115-2** standard

- **INSPIRE** compliant

- Five conceptually similar metadata groups with **standardized** or **free text metadata fields**

DATA INGESTION PORTAL
Wake up your data – set them free for Blue Society
Data Submission Service

🏠 DASHBOARD | BACK TO LIST   WELCOME ATHANASIA IONA (M) | LOGOUT

Process Info — Organizations — Dataset Identification — Data Types — Locations & Dates — Data Links & Finish

Dataset Identification

* = Required

DATASET GENERAL INFORMATION

Title of dataset * ℹ   Carbon parameters in the Western tropical Atlantic

Narrative summary of dataset * ℹ   Surface alkalinity and total inorganic carbon (in µmol/kg) were measured by closed-cell potentiometric titration during PIRATA Brazilian cruises. Important Note: This submission has been initially submitted to SEA scieNtific Open data Edition (SEANOE) publication service and received the recorded DOI. The metadata elements have been further processed (refined) in EMODnet Ingestion Service in order to conform with the Data Submission Service specifications.
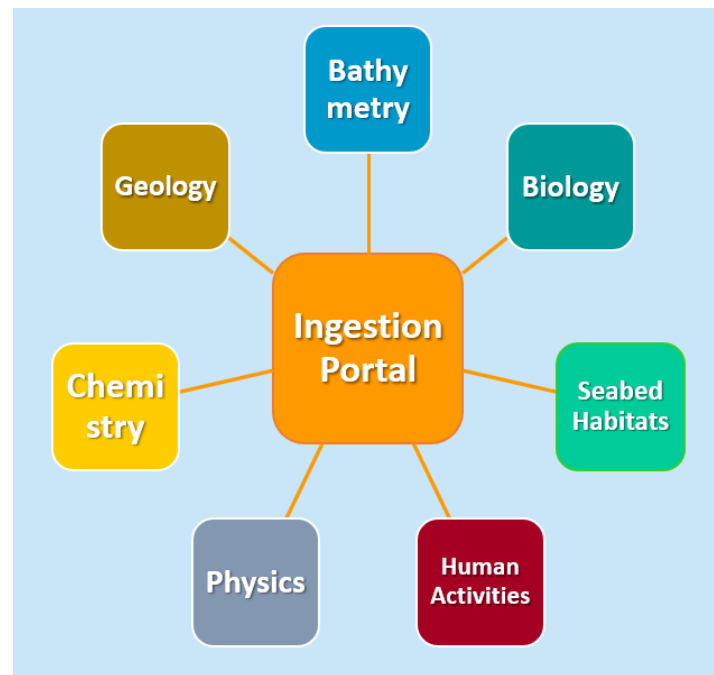
DATASET FORMATS

Dataset format * ℹ   ASC

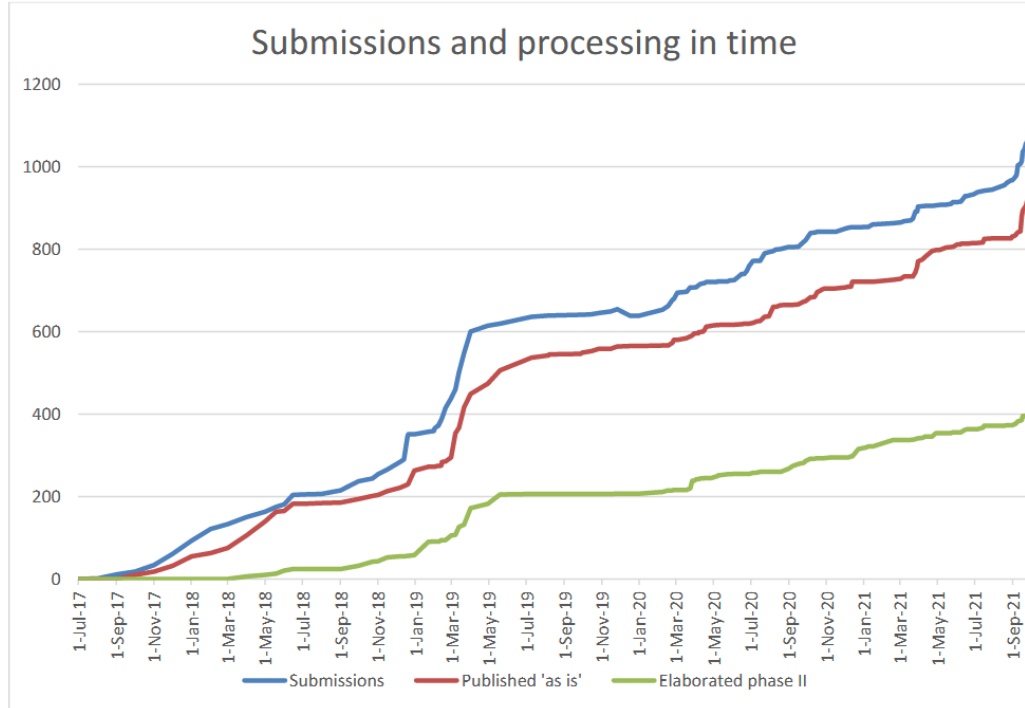Language used in dataset ℹ   English

Data Submission process overview

◉ 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.

◉ **Step 1**: **Data submitter** completes a number of key fields of the submission form and uploads a zip file with the datasets and related documentation.

◉ **Step 2**: **Data Centre** is assigned who reviews and completes the submission form for publishing '**as is**' in **Summary Service.**

◉ **Step 3**: **Data Centre** elaborates, where possible, the data sets, resulting in availability **in standard formats** in EMODnet thematic portals.

Involving all EMODnet thematic networks in the Ingestion pathways – Cross Thematic Interactions

- ⊙ Coordinators of **all EMODnet Thematics are involved** in EMODnet Ingestion partnership for ensuring the connections with their thematic networks for processing incoming data submissions.
- ⊙ SeaDataNet network of NODCs involved
- ⊙ EMODnet Ingestion network currently has **50 Data Centres** covering all thematics.
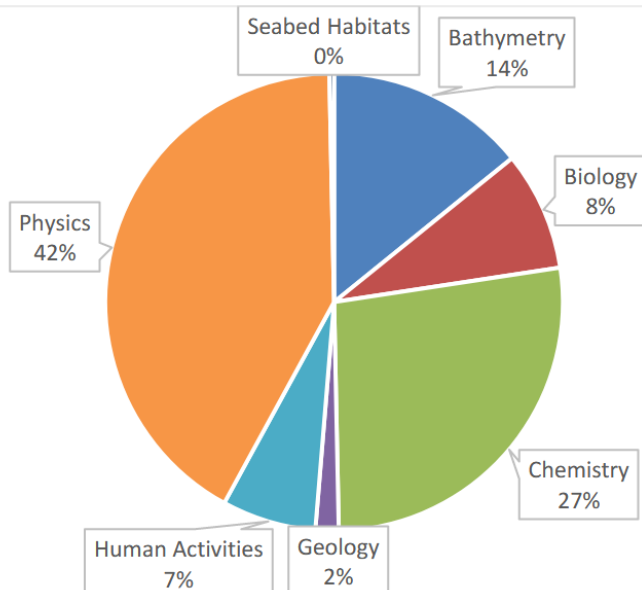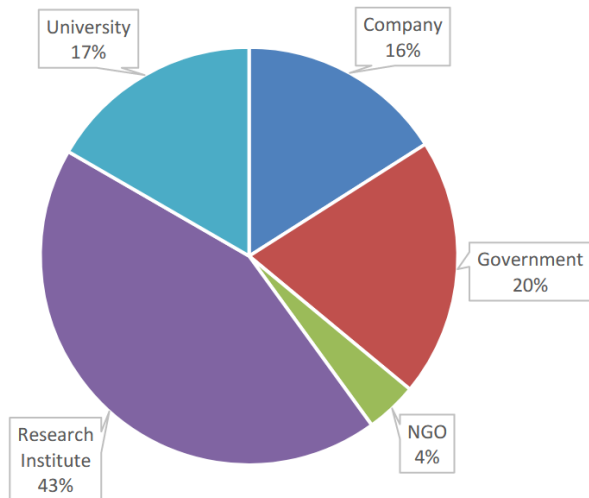
Submissions and processing in time : 1063 submissions in total (09/2021)

Submissions and processing in time

Published submissions (Phase I) by themes / by originators and holding centres

New call

- 1st call in 2015
- 2nd contract signed in 2019, finished in October 2021
- 3rd call published on 9th September 2021
- Deadline : 14th November 2021

Thanks!