UNESCO Intergovernmental Oceanographic Commission

IODE International Oceanographic Data and Information Exchange

INVEMAR

EMODnet - Ingestion and safekeeping of marine data sets: a public service for sharing open and FAIR marine data

Athanasia Iona[1], Dick M.A. Schaap[2]
[1] Hellenic Centre for Marine Research (HCMR), Greece, [2] Mariene Informatie Service (MARIS), The Netherlands

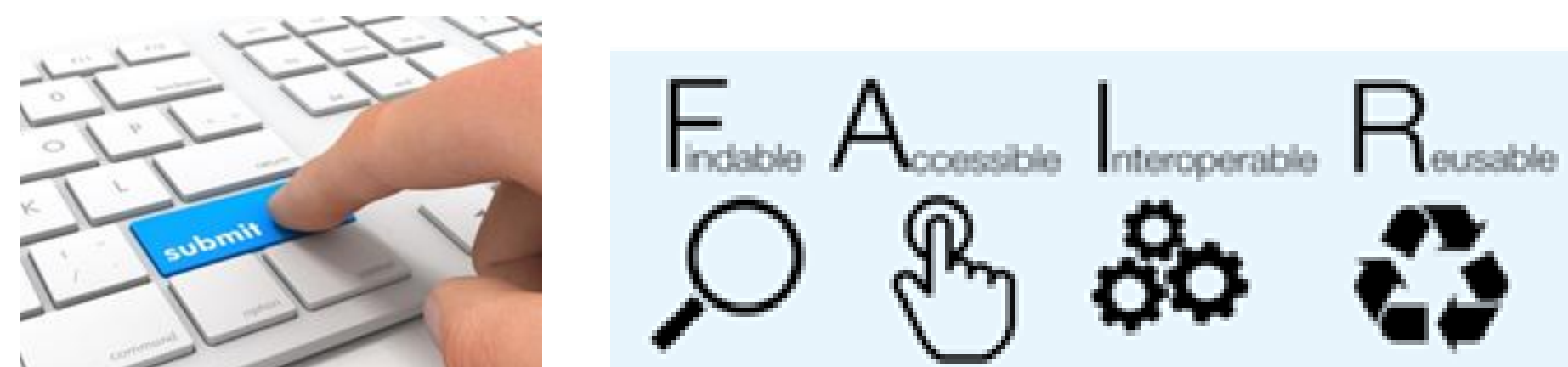**EMODnet** European Marine Observation and Data Network

The Challenge

Valuable marine data collected by multiple public and private sectors often remains **scattered, unexploited, and inaccessible** to potential users. These data limitations result in **less reliable analysis, weaker scientific knowledge, and wasted resources** due to duplicated data collection efforts.

What is EMODnet Ingestion?

EMODnet, a leading **European Commission marine in-situ marine data service**, responded to user needs for more data by launching its **Data Ingestion service in 2016,** a free and open public service. EMODnet Data Ingestion facilitates **data submission and sharing**, ensuring marine data is preserved and made available as **open and FAIR data** through EMODnet or other means.
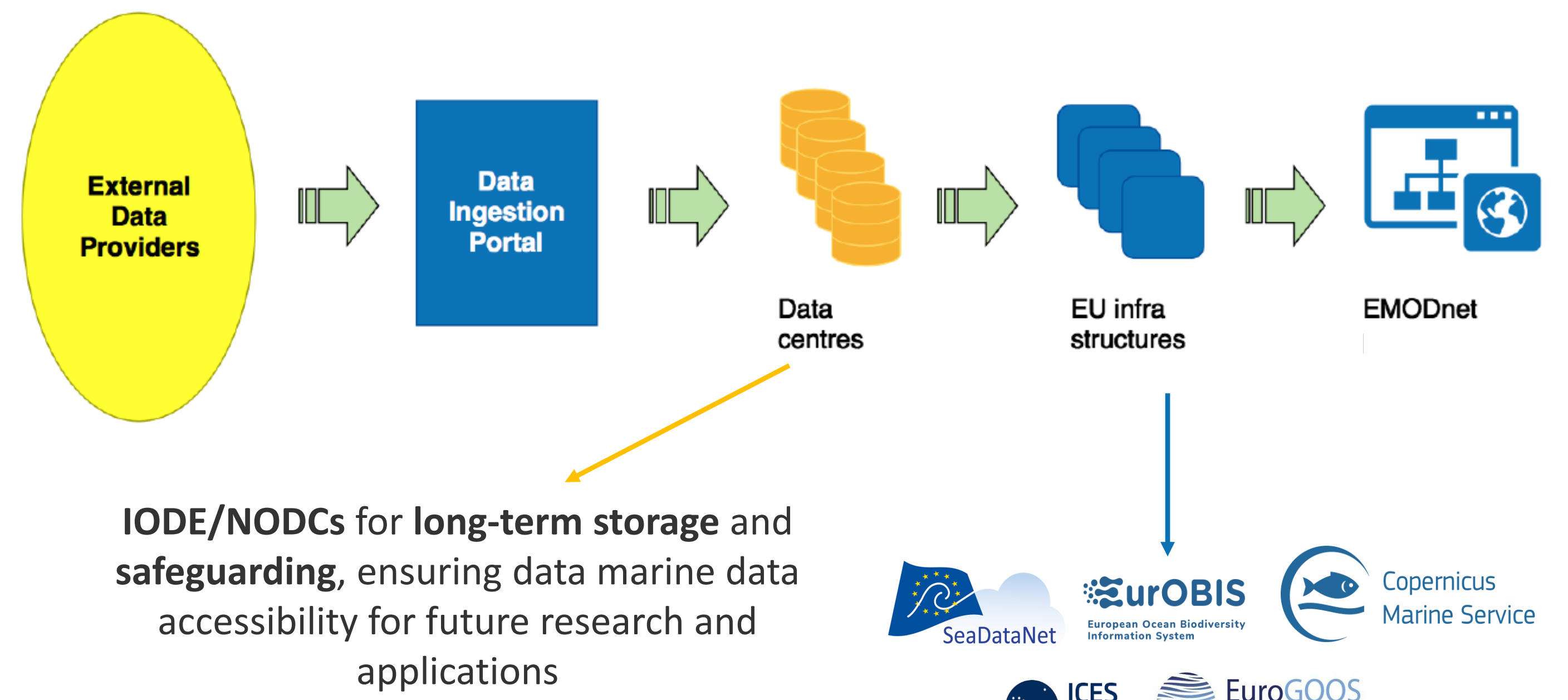

A Strong Network of Marine Data Experts

43 organizations across **27 coastal countries** reach out to **data holders** -especially those not yet connected to the European marine data exchange such as the **private sector**, **research projects**, **citizen science groups**, encouraging them to share their marine data:

- National Oceanographic Data Centres (IODE/NODCs)
- Marine research institutes
- Governmental agencies
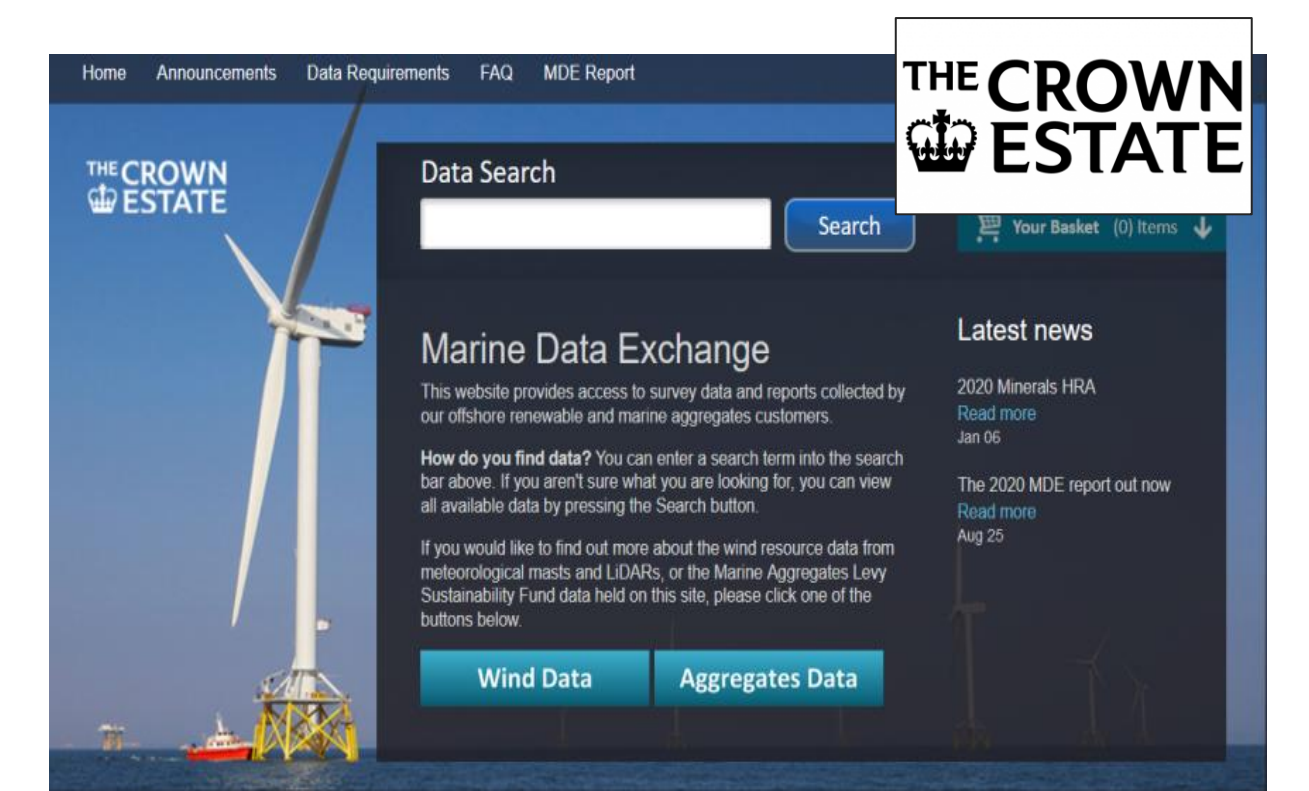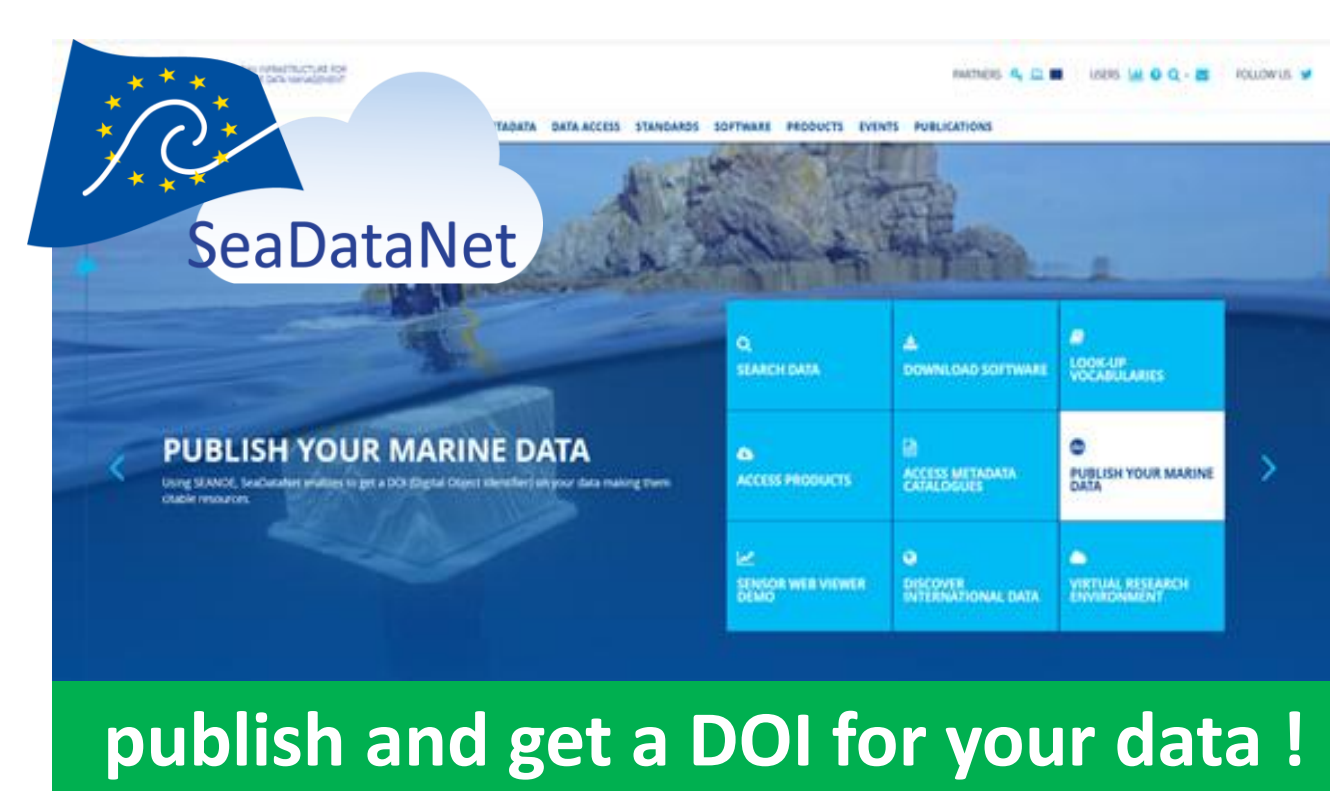- SMEs and private sector contributors

How Does EMODnet Ingestion Work?

EMODnet Ingestion provides **services that streamline data ingestion** from data holders to key European marine data infrastructures that are feeding EMODnet. A core service is the **Data Submission service,** designed to provide an efficient data ingestion process, supported by the active involvement of IODE/NODCs:
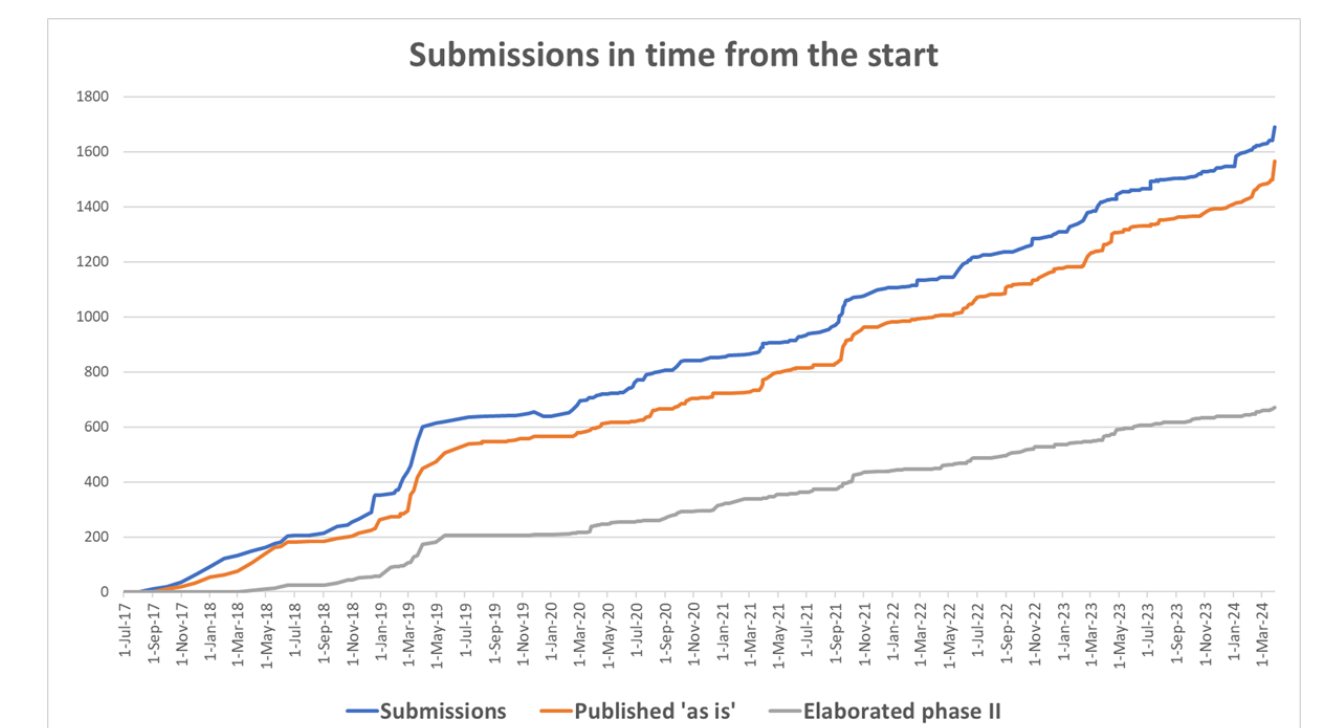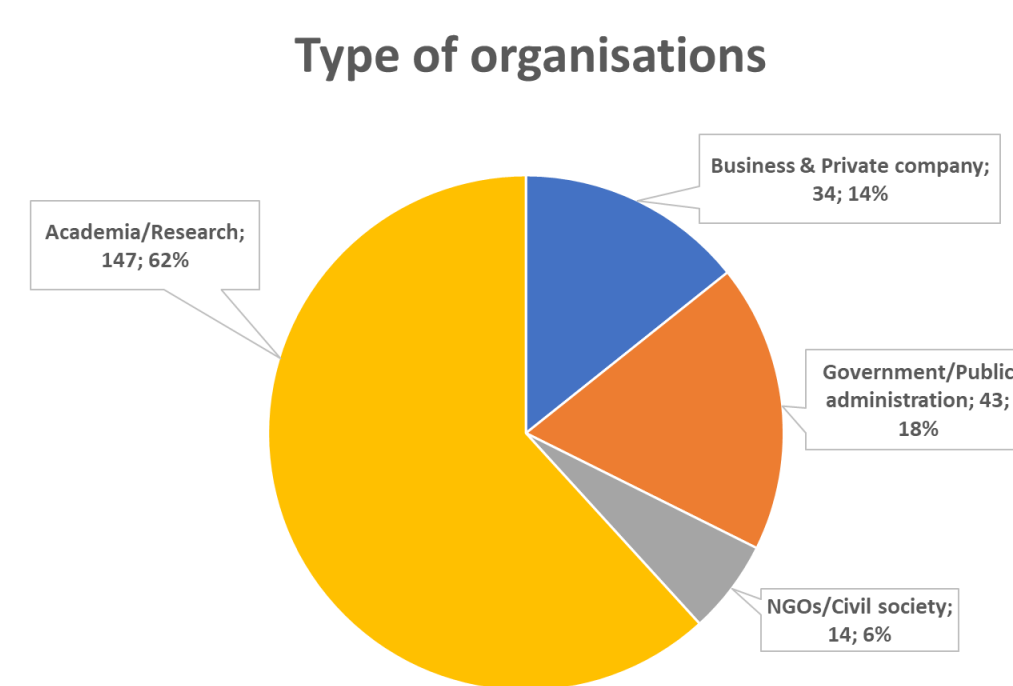

IODE/NODCs for **long-term storage** and **safeguarding**, ensuring data marine data accessibility for future research and applications

Expanding Marine Data Exchange

Automatic exchanges with national and European Ingestion services such as the **Marine Data Exchange (UK)** and **SeaDataNet SEANOE** have further enhanced access to marine data:
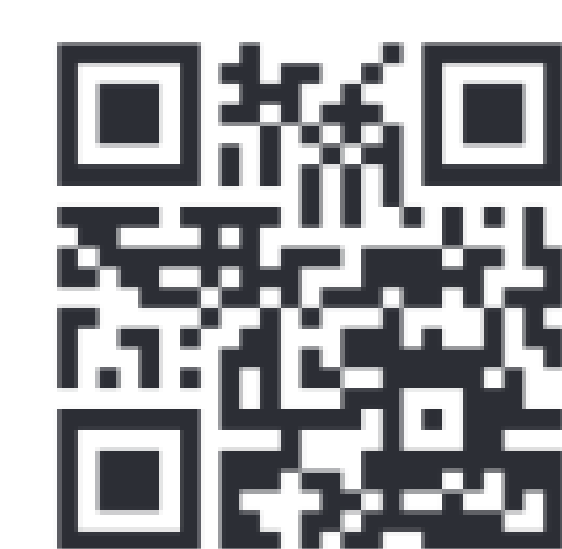

The Impact

> **1700 submissions** from > **240 Organizations** from Academic, Governmental, Business, NGOs sectors

Join EMODnet Ingestion - Share your data – Enhance marine knowledge exchange

Learn more: https://emodnet.ec.europa.eu/contribute-data-emodnet, https://www.emodnet-ingestion.eu

Contacts: sissy@hnodc.hcmr.gr, dick@maris.nl

emodnet.ec.europa.eu

DATA INGESTION