

EMODnet

*Ingestion and
safe-keeping of
marine data*

emodnet-ingestion.eu



EMODnet



European Marine
Observation and
Data Network

NOOS Annual Meeting

20-21 November 2017

Nobel House, Westminster, London



Thanks to EMODnet, marine data now have their

“ONE-STOP-SHOP”

easy to find, freely available, interoperable & reliable

Quality controlled & accurate data of the maritime environment are
critical to underpin the sustainable growth of **Blue Society**.

However, many data collected by

public authorities

researchers

private operators of coastal or offshore facilities

- still do not arrive to the national or regional repositories
- are unavailable to scientists, engineers and other potential users.

EMODnet objective



“ To develop and operate a **new EMODnet portal** with services that **facilitate** and **streamline** the process whereby **marine data from whatever source** is delivered on a **voluntary basis** for further **processing and safekeeping** by **data repositories** and subsequent **distribution through EMODnet thematic portals** ”

Using a dedicated portal from which specific data set handling processes are initiated.

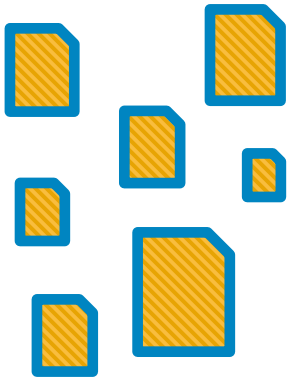
Relying on 44 existing data managing organizations in EMODnet: NODCs, Hydrographic Offices, Geological institutes, Biological institutes, Marine research institutes ...

Targeting data providers & their data that are not yet handled or part of the mainstream processes of these data repositories

EMODnet principle of ingestion data flow

The EMODnet Ingestion services will serve all EMODnet thematic portals for streamlining incoming data sets

External
Data
Providers



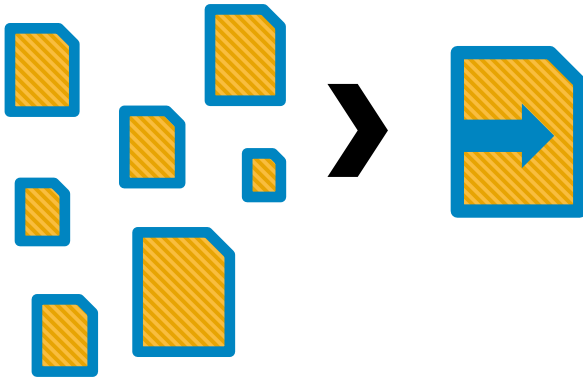
For more info, please visit www.emodnet-ingestion.eu

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External
Data
Providers

**Data
Ingestion
Portal**



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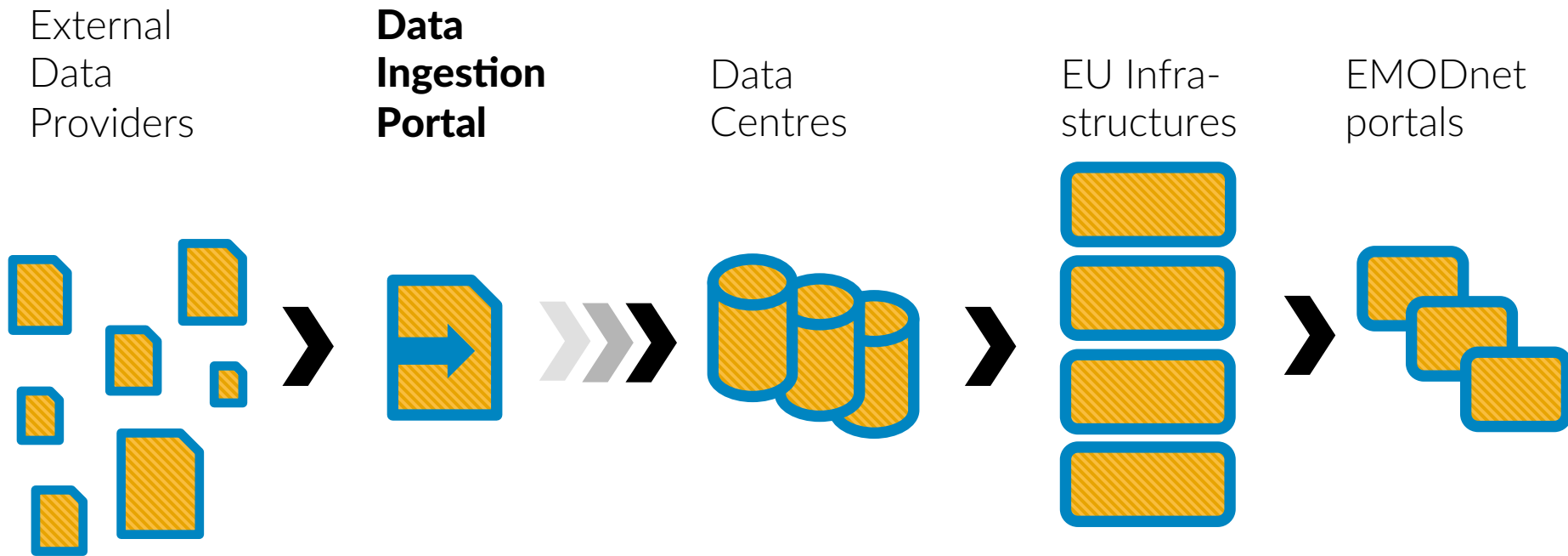
Data
Centres



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EMODnet principle of ingestion data flow

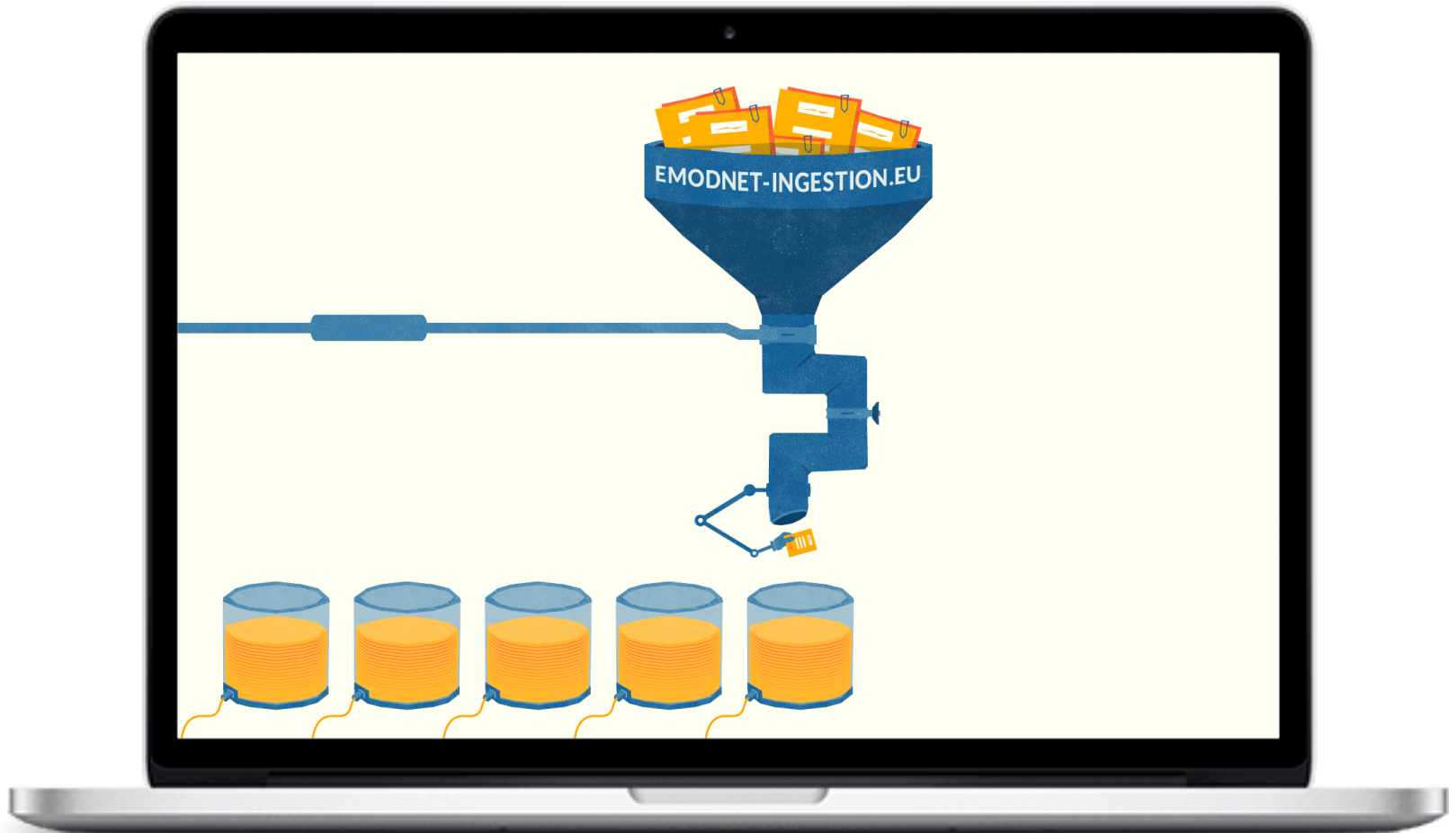
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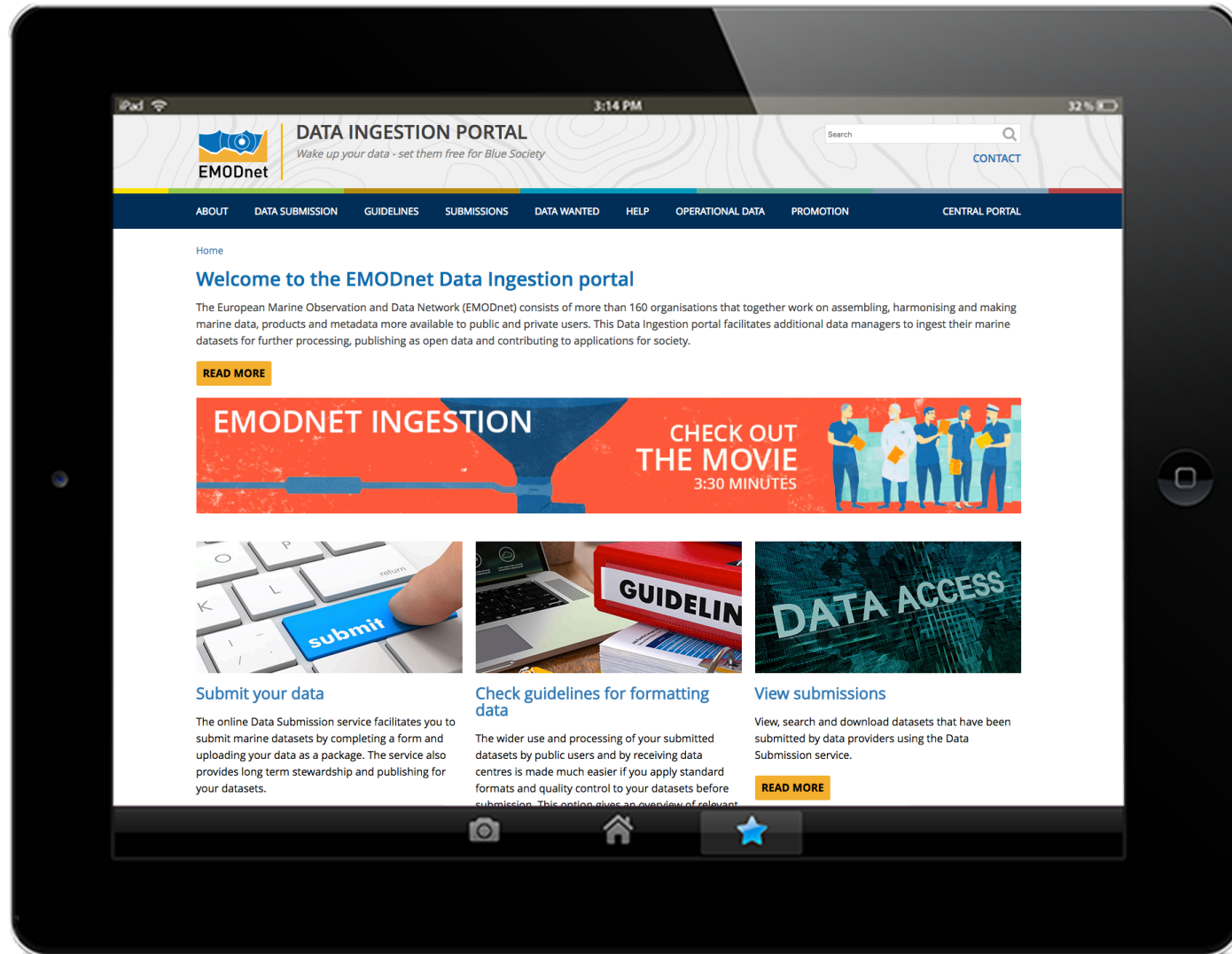
EMODnet data ingestion movie

<https://www.youtube.com/watch?v=p3vwngxyXuo>



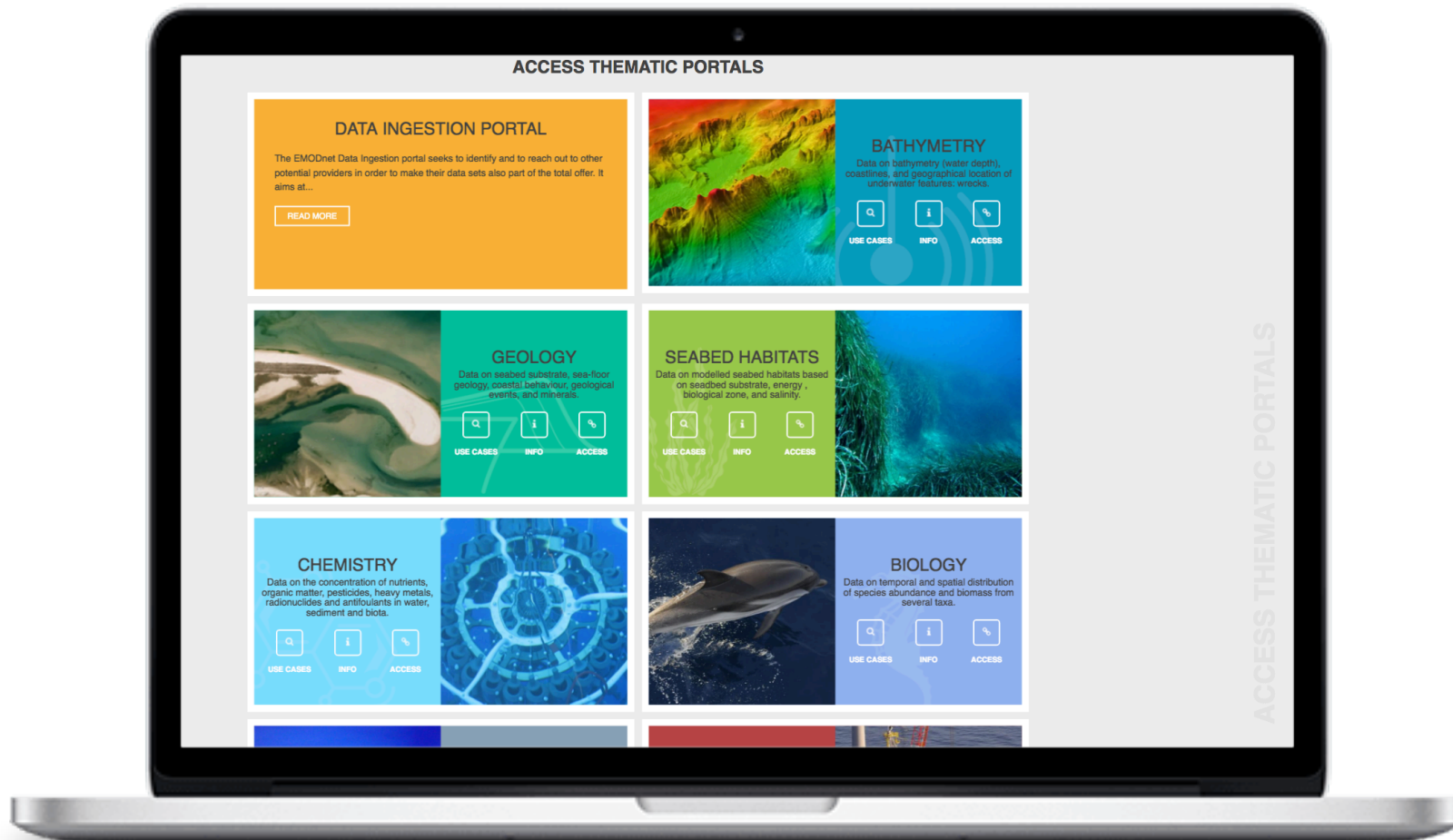
EMODnet data ingestion portal

www.emodnet-ingestion.eu



EMODnet central portal

www.emodnet.eu



WAKE UP YOUR DATA

Set them free for Blue Society

The **European Marine Observation and Data Network (EMODnet)** consists of more than 160 organisations that together work on assembling, harmonising and making marine data, products and metadata more available to public and private users. This Data Ingestion portal facilitates additional data managers to ingest their marine datasets for further processing, publishing as open data and contributing to applications for society.



In the Netherlands sector of the North Sea already a number of offshore wind farms is operational and new developments for additional wind farms are well underway. Establishing and operating an offshore windfarm requires licenses from the Dutch government. This includes that windfarm operators are required to undertake marine environmental monitoring activities for gathering long timeseries and samples of relevant parameters for physical oceanography and marine biology. These ecology dataset collections are collected as part of the license and can serve studying possible effects of the construction and exploitation of the windfarms on their

effects of the construction and exploitation of the windfarms on their environment. The license includes also that these data are to be shared with public authorities for possible re-use and analyses.

However in practice these monitoring datasets were falling somewhat outside of the normal pathways and as effect did not reach the national marine data management infrastructure. Therefore Rijkswaterstaat (Public Works Department) and Deltares, both partners in EMODnet Data Ingestion, made an arrangement for safeguarding the datasets.



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EMODNET-INGESTION.EU

EMODnet, the European Marine Observation and Data Network, has over 160 organisations that work together to assemble and harmonise marine data, metadata and products, making them more accessible to Blue Society.

The *Data Ingestion Portal* facilitates submitting marine datasets for further processing. Open Data publishing and contributing to applications for society.



European Marine
Observation and
Data Network

EMODnet Data Ingestion

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