

Action plan

IMPROVE METADATA AND DATA INTEROPERABILITY

- Produce INSPIRE compatible Data and Metadata in particular if relevant for case studies
- Define and produce common symbology to improve understanding and use of datasets

ENHANCE WEB SERVICE QUALITY

- Implement Temporal Web Services
- Use Web page to exploit the full potential of data
- Implement a process tool on the portal

INTERNATIONALISATION

- Improve internationalisation
- Publish Data and Metadata in Multilanguage

ENHANCE DATA AND METADATA ACCESS FOR USERS

- Set predefined maps (contexts) relevant for case studies
- Develop functionalities to ease external data harvesting / export
- Enhance research tool on the portal demonstrator

The action plan gathers measures addressing data needs and gaps identified in the analysis. These recommendations focus on improving the portrayal, interoperability of metadata and Web Services in order to improve MSP data sharing among countries. Some of them have been undertaken during the project in collaboration with the project Partners.

SEANSE project partners



marinescotland



CPMR
CRPM



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Contact us

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Links

SEANSE project Webpage:
<https://northseaportal.eu>
SEANSE Data Portal:
<https://seanse.mspsdata.eu>

STRATEGIC ENVIRONMENTAL ASSESSMENT ON NORTH SEA ENERGY

Knowledge transfer and
information exchange

SEA  NSE



Co-funded by the
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Data and Information requirements for MSP

The “Knowledge transfer and information exchange” component is a technical study aiming to support access to and use of maritime spatial data in the Channel and North sea. It focuses on data exchanges aspects using Maritime Spatial Data Infrastructure and INSPIRE protocols (interoperability of data, metadata, data portals and availability of Web Services).

Analysis of Data Needs and Existing Gaps

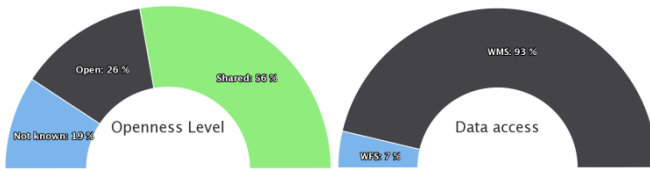
The analysis of data needs and existing gaps report is the first output of this component, it provides an initial overview of the data organisation in the Channel and North Sea. It is used as a starting point for implementing activities to enhance data interoperability.

This report includes an initial inventory of data useful for MSP which also meets some technical requirements, such as being INSPIRE-compliant.

EXAMPLE

Physical, biological and chemical information – Physical characteristics

Physical characteristics include information about seabed like bathymetry and geology, but also data concerning the water column and surface: temperature, salinity, currents, etc. For the most part of these parameters, it is possible to identify sources of information covering the whole project area and available by web service.



Physical characteristics openness level

Physical characteristics data access

Open data means datasets are free to use, reuse and publish without restriction. *Shared data* means users or a group of users can use, reuse and publish some data under a control (e.g. copyright).

Coverage

For many physical parameters, it is possible to identify sources of information covering the whole project area and available by web service. Shom and BSH (SEANSE partners) can also provide information on some parameters.

Assets

- All the identified datasets are published through INSPIRE compatible web services

Barriers

- Some data from Dutch sources are not available in INSPIRE web services
- The major part of datasets is not available in an open licence (nearly 75%).
- Most data sources are available in WMS, which could make working with them more difficult

Potential Improvements

- Portrayal harmonisation: unique style for boundaries at the same hierarchical level

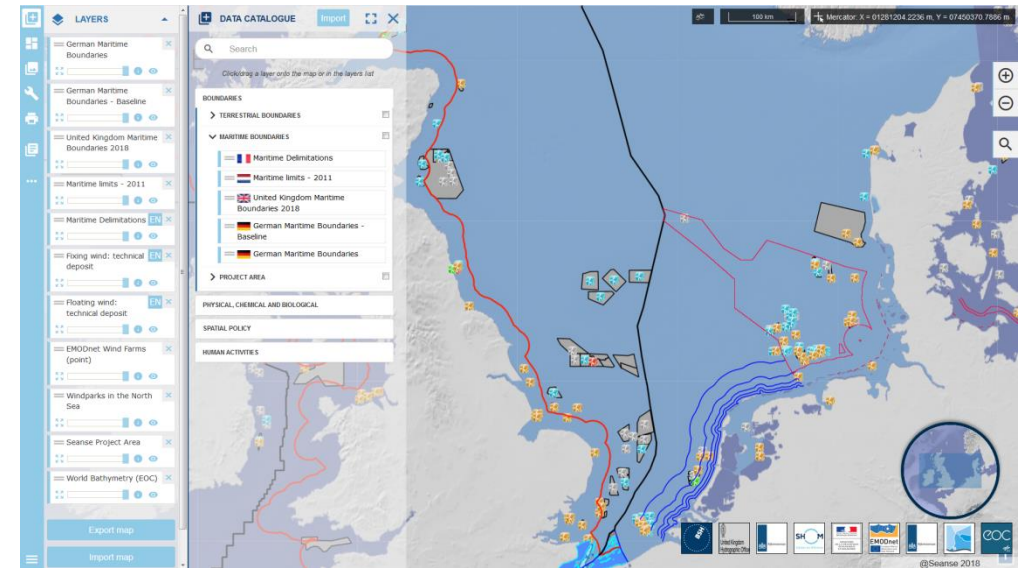
Data scale

European	✓
National	✓
Regional	
Local	

SEANSE data portal

This tool has been set up to share transboundary MSP knowledge and to explore the gaps and solutions to solve them.

This Spatial Data Infrastructure (SDI) is based on Web Services : Data is not stored on local servers, it comes directly from the producers’ SDI through a harvesting process.



Concepts and technical answers

