
SEANSE

WP2 – Knowledge Transfer and Information Exchange



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Maritime and Fisheries Fund



Rijkswaterstaat
Ministerie van Infrastructuur en Milieu



CPMR
CRPM
Conference of Peripheral Maritime Regions



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

marinescotland



The Scottish
Government

Context

Focus on cross-border data exchanges to support MSs cooperation (MSP Directive, article 11)

- to ensure that maritime spatial plans are coherent and coordinated across the marine region,
- to ensure issues of a transnational nature are taken into account.

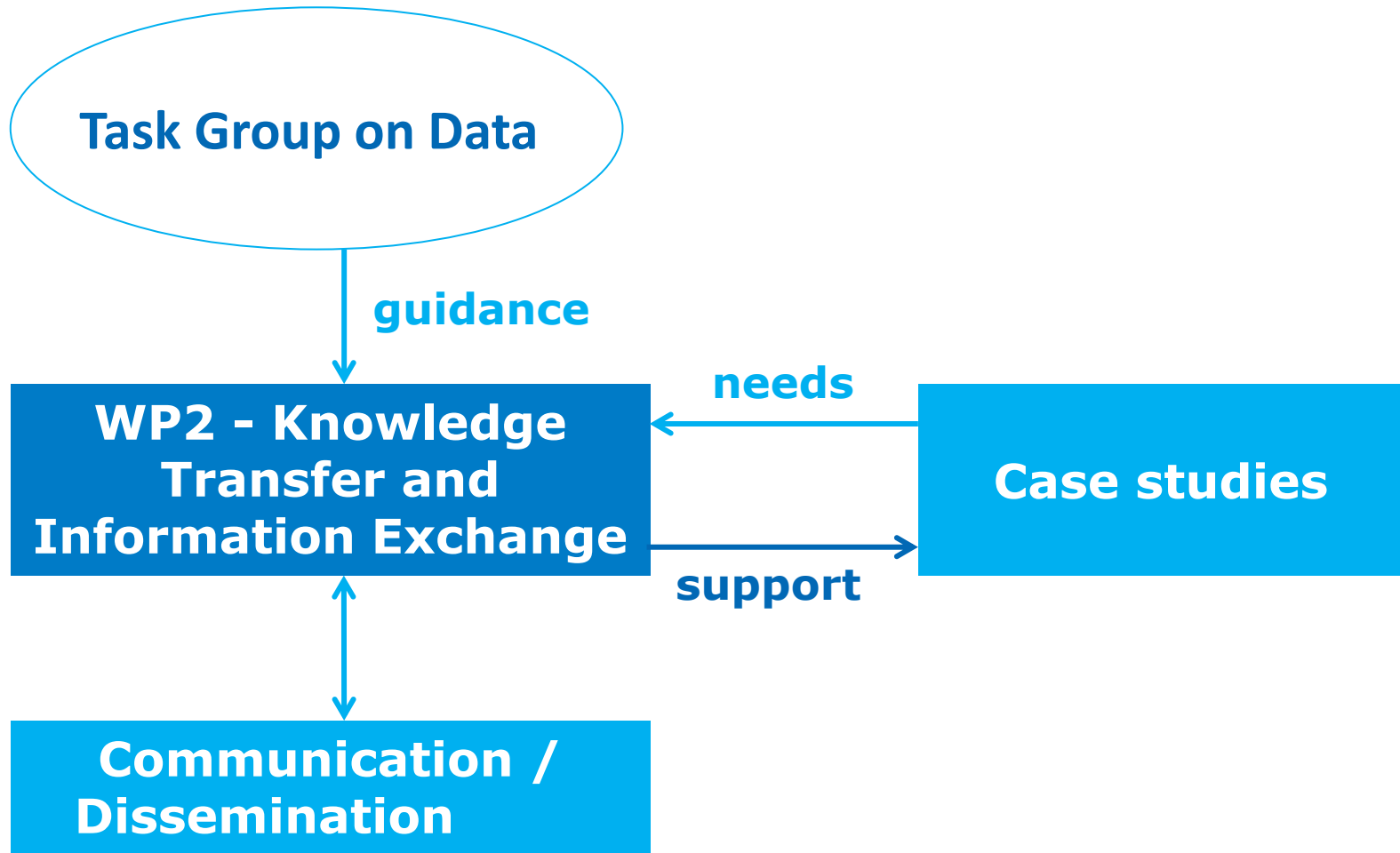
Based on principles

- MSDI (spatial data portals) are tools to support cross-border data exchanges
- INSPIRE Directive provides standards and protocols to exchange data and metadata across Europe

Results

- improve the MSP data exchanges between countries (existing and future data portals)

WP2 in SEANSE Project



Outputs

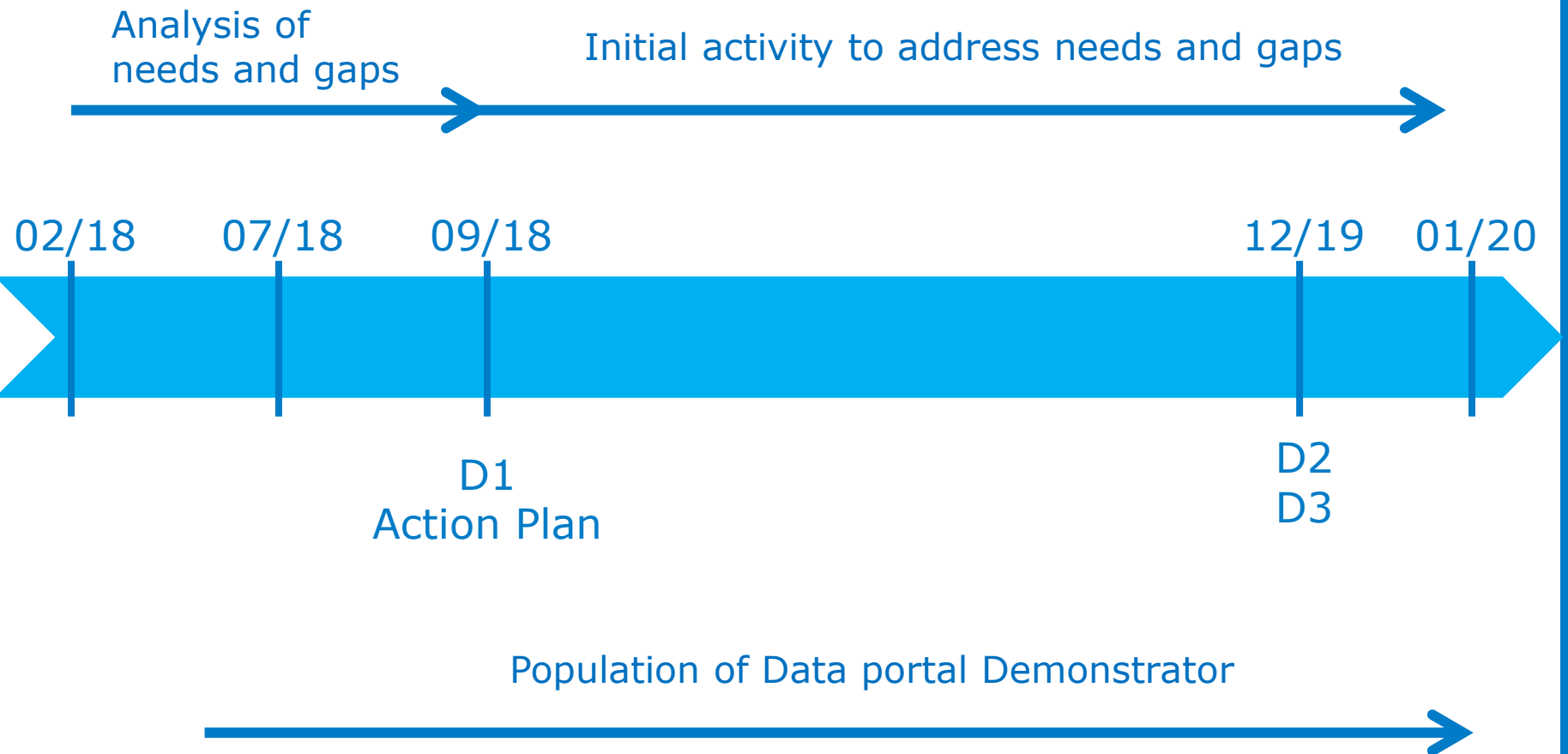
Deliverables

- D1: Analysis of data needs and existing gaps – 09/2018
- D2: Final Task Group on Data Workshop – 12/2019
- D3: Data management Guidance Document – 12/2019

Other outputs

- Data Portal Demonstrator
- Initial activity to address data needs and gaps

Timeline



Analysis of Data Needs and Existing Gaps

Objectives

- provide the current state of data availability and interoperability
- identify the main challenges and opportunities associated to data and information in the North Sea and Channel

Composition

- A data needs assessment for MSP and the identification of the extent where these can be currently met and where gaps need to be addressed;
- An inventory of best available data to support MSP processes in the North Sea and Channel.
- The identification of the barriers such as a lack of data, or data that might not be publicly available or shared

An experimentation tool: the Data Portal Demonstrator

Initial activity to address data needs and gaps

- Action plan defined with each partner to improve data availability and interoperability, on the basis of the analysis of data needs and gaps
- Actions will be led on year 2 of Seanse Project
- Examples of actions:
 - Production of metadata
 - Symbology harmonisation

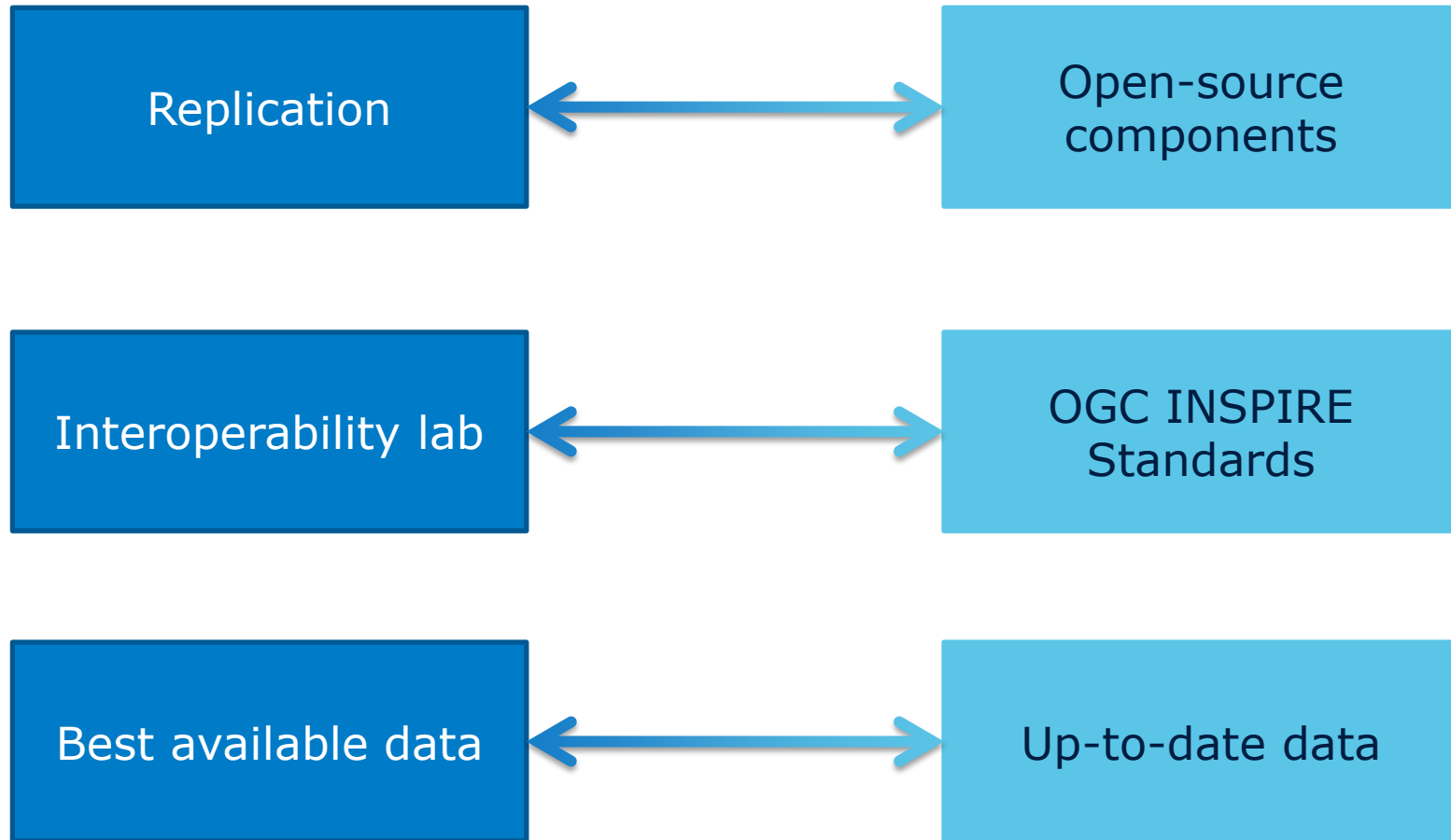
SEANSE Data Portal Demonstrator

- **A tool to assess data interoperability in a transboundary context**
- **A technical environment to explore data gaps and potential solutions**

SEANSE Data Portal Demonstrator

Concepts

Technical Answers



SEANSE Data Portal Demonstrator

Main functionalities

- **Feature Information**
- **Map Catalogue**
- **Time Series**
- **Drawing tools**
- **Web Processing Service**

SEANSE Data Portal Demonstrator

The screenshot displays the SEANSE Data Portal Demonstrator interface. On the left, there is a 'LAYERS' panel with a list of data layers including 'EMODnet Ocean Energy P...', 'OWI Windparken', 'Windparken in the North Sea', 'Marine strandings data 20...', and 'World Bathymetry (EOC)'. Below this is a 'LEGEND' section. The central 'DATA CATALOGUE' panel features a search bar and a list of categories: 'COASTAL DEFENCE' (EMODnet Dredging Locations), 'FISHING' (Crab 2009-2013 amalgamated VMS in...), 'MARINE RENEWABLE ENERGIES' (EMODnet Ocean Energy Projects Locat..., EMODnet Wind Farms (point), OWI Windparken, Windparken in the North Sea), 'MARITIME TRANSPORT' (Average weekly density of all vessel ty..., Traffic Maritime - 2016), 'MILITARY' (EMODnet Dredge dumping munition sites), 'NATURE AND SPECIES CONSERVATION SITES AND PROTECTED AREAS' (French Marine Protected Areas), and 'PORTS' (EMODnet Major Ports). The main map area shows a geographical view of the North Sea with various symbols and shapes representing the data layers. The map includes a scale bar (0 to 100 km), a coordinate display (WGS84: 050.9130° N, 008.7104° E; ETRS89-LAEA: X = 4230305m, Y = 3089863 m), and a search bar. The bottom right corner features logos for EMODnet, SRUC, and EOC, along with the text '@Seanse 2018'.

SEANSE Data Portal Demonstrator

The screenshot displays the SEANSE Data Portal interface. On the left, the 'LAYERS' panel lists several data layers, including 'French Marine Protected Areas', 'EMODnet Shellfish Production', 'EMODnet Finfish farming sites', 'Délimitations maritimes', 'World Sediment Map', and 'World Bathymetry (EOC)'. Below this is a 'LEGEND' section. The main map area shows a world map with a color-coded bathymetry overlay. A search bar in the 'DATA CATALOGUE' panel contains the text 'world', and the search results list three items: 'World Bathymetry (EOC)', 'World Heritage Sites (Scotland)', and 'World Sediment Map'. The map also features a scale bar (50 km), coordinate information (WGS84: 053.4300° N, 002.6914° E; ETRS89-LAEA: X = 3836112m, Y = 3393587 m), and a search icon. In the bottom right corner, there are logos for EOC, Agence Française pour la Biodiversité, EMODnet, and SHOM, along with the text '@Seanse 2018'.

Thank you!!