EMODnet Thematic Lot n° 6 - Human Activities

EASME/EMFF/2016/1.3.1.2 – Lot 6/SI2.749458

Start date of the project: 03/03/2017 - (48 months)

EMODnet Phase III – Quarterly Progress Report (8)

Reporting Period: 01/01/2019 – 31/03/2019

Contents

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1 Highlights during the reporting period

- **Task 1: Develop a common method of access to data held in repositories:**

- o New dataset on nuclear plants was developed. It will go live over the coming days.
- o Dataset on finfish aquaculture updated.
- o Dataset on fish catches updated.
- o The KIS-ORCA submarine cable dataset had to be removed at the request of the owner.
- **Task 2: Construct products from one or more data sources that provide users with information about the distribution of parameters in time and space:**
  - o The vessel density maps went live on 11 March 2019. The full method used to develop them was published shortly thereafter.
- **Task 3: Develop procedures for machine-to-machine connections to data and data products: nothing to report**.
  - o Web Coverage Service (WCS) is being tested to serve the density maps.
- **Task 4: Develop a web portal allowing users to find, visualise and download data**:
  - o New features for the map viewer went live: setting layer transparency, printing maps, searching, and exporting tabular data by drawing a rectangle on the map.
  - o New version of Geoserver is being tested and will go live in a couple of months.
- **Task 5: Ensure the involvement of regional sea conventions**:
  - o Nothing to report
- **Task 6: Facilitate interoperability with data distributed by non-EU organisations**:
  - o Nothing to report.
- **Task 7: Install a process to monitor performance and deal with user feedback**:
  - o Three use cases were published:
    - ▪ EMODnet wind farm and hydrocarbon extraction datasets to support the development of wind farm projects.
    - ▪ EMODnet enables its clients to become more efficient, provide better services and remain competitive in the market.
    - ▪ EMODnet Human Activities Data Facilitate Business Opportunities.
- **Task 8: Operate a help desk offering support to users:**
  - o More than 30 users requested assistance (most through live chat), which suggests increasing usage of the portal.
- **Other:**
  - o EMODnet HA internal partners meeting took place in Vigo on 26 March 2019. Amongst other things it was discussed which additional products could be developed on top of the vessel density maps, and how to develop a pilot product to identify the most suitable areas for farming certain seaweed species.

2 Challenges encountered during the reporting period

Main challenge	Measures taken
KIS-ORCA, owner of a dataset on cables previously made available on EMODnet HA, required that their data be removed.	The data were removed immediately. Negotiations are ongoing with the data source to seek a solution.

3 User Feedback

Date	Organisation	Type of user feedback (e.g. technical, case study, etc.)	Response time
28/3/19	Columbia University	Enquiry on data	Same day
27/3/19	Private individual	Technical	Immediate (live chat)
26/3/19	European Subsea Cables Association	Data policy issue	Same day
26/3/19	Next Geosolutions	Technical	Immediate (live chat)
25/3/19	Private individual	Technical	Immediate (live chat). User redirected to EMODnet Bathymetry.
22/3/19	4COffshore	Technical	Same day
22/3/19	NavD	Exploring forms of cooperation	Same day
20/3/19	Gavin & Doherty Geosolutions	Enquiry on data	Immediate (live chat)
19/3/19	Private individual	Technical	Immediate (live chat). User redirected to EMODnet Bathymetry.
13/3/19	Maritime Institute in Gdańsk	Technical	Immediate (live chat)
13/3/19	Cathie Associates	Technical	Same day
12/3/19	ISMAR	Technical	Same day
12/3/19	Private individual	Enquiry on data	Immediate (live chat)
12/3/19	JRC	Technical	Immediate (live chat)
7/3/19	University of York	Enquiry on data	Immediate (live chat)
6/3/19	Private individual	Enquiry on data	Immediate (live chat)
26/2/19	Private individual	Technical	Immediate (live chat)
25/2/19	VLIZ	Enquiry on data	Immediate (live chat)
25/2/19	University of York	Technical	Immediate (live chat)
21/2/19	Private individual	Technical	Immediate (live chat)
15/1/19	Private individual	Enquiry on data	Immediate (live chat)
7/1/19	University of Hannover	Technical	Same day
3/1/19	EC's Knowledge Centre for Bioeconomy	Technical	Same day

4 Meetings held/attended since last report

Table: Meetings organised and attended.

Date	Location	Type event (meeting, training (workshop), etc.)	Attended (A) / Organised (O)	Short description and main results (# participants, agreements made, etc.)
26/3/2019	Vigo (ES)	EMODnet HA partners meeting	O	The meeting aimed to assess the progress of the project and to discuss potential developments. 12 participants.
15/3/2019	n.a.	Webinar	O	Webinar on how to use the vessel density maps. 46 participants
14-15/03/2019	Tenerife (ES)	MarSP 2nd Capacity Building Workshop: MSP INSPIRE data model	A	Technical workshop to discuss INSPIRE data models for MSP
27/2/2019	Brussels (BE)	Workshop	A	Algae production in Europe: status, challenges and future developments. The dataset on algae production available on EMODnet HA was presented to producers, who agreed on sharing information on species and quantities harvested/cultivated
15/01/2019	Roma (IT)	Meeting	O	Meeting with ISMAR to explore forms of cooperation. 4 participants
SUM			**O**	**Total # of meetings organised = 3**
SUM			**A**	**Total # of meetings attended = 2**

5 Outreach and communication activities

Table: Communication activities.

Date	Communication action/material	Short description (of the material, title, ...) and/or link to the activity	Main results (# participants, # views, # press clippings, etc.)
28/3/2019	Blog post	EMODnet Human Activities Data Facilitate Business Opportunities	
21/3/2019	Blog post	Detailed method of EU vessel density map	83 views
15/3/2019	Webinar	Webinar on how to use the vessel density maps	46 participants
15/2/2019	Blog post	Working towards INSPIRE Directive compliance	29 views
SUM ...			Total # of 158 users reached

Table: List of known publications using EMODnet data or data products.

Date	Name of journal, conference, ...	Publication title	Authors	Organisation(s)
7/3/2019	Marine Policy	Communicating Maritime Spatial Planning: The MSP Challenge approach	Abspoel L. et al.	n.a.
24/2/2109	Science of the Total Environment	A modelling approach for offshore wind farm feasibility with respect to ecosystem-based marine spatial planning	Pınarbaşı K. et al.	n.a.
4/2/2019	North Sea Wind Power Hub Consortium	Cost Evaluation of North Sea Offshore Wind Post 2030	Ruijgrok E.C.M. et al.	Witteveen+Bos, ECN, TNO
24/1/2019	Maritime Spatial Planning	Stakeholder Processes in Marine Spatial Planning: Ambitions and Realities from the European Atlantic Experience	Twomey S., O'Mahony C.	n.a.
24/1/2019	Maritime Spatial Planning	Challenges and Opportunities for Ecosystem-Based Management and Marine Spatial Planning in the Irish Sea	O'Higgins T. et al.	n.a.
	The Techno-Economic Potential of Offshore Wind Energy with Optimized Future	The Techno-Economic Potential of Offshore Wind Energy with Optimized Future Turbine Designs in Europe	Caglayan D. et al.	n.a.

Date	Name of journal, conference, …	Publication title	Authors	Organisation(s)
	Turbine Designs in Europe			
10/1/2019	Proceedings of the Maritime Big Data Workshop	The European Marine Observation and Data Network (EMODnet) and big data for Blue Growth	Pititto A., Novellino A.	NATO/CMRE

6 Annex: Other documentation attached

List in Annex if you wish to provide any additional information.

7 New monitoring indicators

Please consult and fill in the designated excel template.

The monitoring numbers reported as part of the progress monitoring of EMODnet performance are collected through Matomo. In some cases, numbers from other monitoring systems may also be reported (e.g. Awstats, Google Analytics). Each system uses different technical approaches and therefore has its strengths and shortcomings. Therefore, results are indicative and care should be taken with interpreting absolute numbers or comparing results from different tools. It is often more sensible to consider trends over time collected by the same monitoring tool.