



EMODnet



European Marine
Observation and
Data Network

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 (11)

Reporting Period: 01/10/2019 – 31/12/2019





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1 Highlights during the reporting period

Task 1: develop a common method of access to data held in repositories

- Main ports: updated with 2019 data.
- Wind farms: updated.
- Shellfish aquaculture: updated.
- Pipelines: new UK source added.
- Cables: new source for fiber cables in the UK.
- New data set: MSFD reporting units.
- New data set: sea basin strategy (in preparation)
- New data set: fishing effort (in preparation)
- New data set: military areas (in preparation)

Task 2: construct products

- Route density maps developed by EMSA made available on EMODnet Human Activities. The maps complement the existing vessel density maps and are based on an entirely different method. While EMODnet's maps measure density as number of hours spent by ships in a grid cell in a month, EMSA's maps measure density as number of ship routes in a grid cell in a month.
- Vessel density maps received an update with 2018 data.

Task 3: develop procedures for machine-to-machine connections to data and data products

Nothing to report

Task 4: maintain and further develop a thematic web portal

- Website is now fully compliant with EASME's privacy and data protection policy. Privacy statement was updated. A cookie notice, based on the European Commission's cookie notice, was also created. To be noted that compliance with data protection and cookie policy may be creating a disruption of the live chat service. The live chat service is offered through a third-party plugin, which has its own cookies. If users don't accept the cookie policy, the live chat plugin won't load. There's been a dramatic decrease in the number of unique visitors registered by the live chat plugin, thus suggesting that most users either refuse cookies or simply don't bother accepting them.

Task 5: ensure the involvement of regional sea conventions

Nothing to report

Task 6: install a process to monitor performance and deal with user feedback

Nothing to report

Task 7: operate a help desk offering support to users

Nothing to report

2 Challenges encountered during the reporting period



Main challenge	Measures taken



3 Identified issues: status and actions taken

Priority Issue identified*	Status (Pending/Resolved)	Action taken	Date due
Inspire Metadata fields	Pending	Issue opened on Jira	Next progress report

4 User Feedback

Date	Organisation	Type of user feedback (e.g. technical, case study, etc.)	Response time
01/10/2019	Individual	Technical (shellfish aquaculture)	Half a day (email)
04/10/2019	Individual	Information on data (algae production)	Immediate (live chat)
07/10/2019	Individual	Technical	Immediate (live chat)
10/10/2019	Individual	Information on data (submerged archaeology)	Immediate (live chat)
16/10/2019	Individual	Information on data (vessel density)	Half a day (email via EMODnet Secretariat)
18/10/2019	Individual	Information on data (main ports)	Immediate (live chat)
18/10/2019	Individual	Information on data (vessel density)	Half a day (email via EMODnet Secretariat)
22/10/2019	EMODnet Secretariat	Technical (map viewer down)	Immediate (live chat)
23/10/2019	Individual	Technical (use of web services)	Immediate (live chat)
24/10/2019	Individual	Technical (vessel density)	Immediate (live chat)
25/10/2019	Individual	Information on data (vessel density)	Immediate (live chat)
25/10/2019	Individual	Information on data (vessel density)	Immediate (live chat)
25/10/2019	Individual	Technical (vessel density)	Immediate (live chat)
06/11/2019	Individual	Technical (vessel density)	Immediate (live chat)



Date	Organisation	Type of user feedback (e.g. technical, case study, etc.)	Response time
18/11/2019	Individual	Information on controlled vocabularies	Immediate (live chat)
20/11/2019	Individual	Technical (tabular data download)	Immediate (live chat)
10/12/2019	Individual	Technical (vessel density)	Immediate (live chat)
12/12/2019	Individual	Information on data (vessel density)	Immediate (live chat)
18/12/2019	Individual	Information on website	Immediate (live chat)
21/12/2019	Individual	Technical (vessel density)	Half a day (email)
30/12/2019	Individual	Feedback	Half a day (email)



5 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.)
SUM			O	Total # of meetings organised =
SUM			A	Total # of meetings attended =



6 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.)
10/10/2019	Blog	New map tools allow greater flexibility when interrogating data	51 views
20/12/2019	Press release	Traffic Density Maps for a better understanding of maritime traffic	n.a. (published on EMSA's website)
SUM oral presentation			
SUM poster presentation			
SUM ...			

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

Date	Name of journal, conference, ...	Publication title	Authors	Organisation(s)
01/12/2019	Applied Energy (journal)	The Techno-Economic Potential of Offshore Wind Energy with Optimized Future Turbine Designs in Europe	Dilara Gulcin Caglayan, Severin Ryberg, Heidi Heinrichs, Jochen Linßen, Detlef Stolten, Martin Robinius	
31/12/2019	Ecological Indicators	Assessing marine ecosystem services richness and exposure to anthropogenic threats in small sea areas: A case study for the Lithuanian sea space	Daniel Depellegrin, Stefano Menegon, Laura Gusatu, Sanjoy Roy, Ieva Misiunė	

7 Annex: Other documentation attached



8 Monitoring indicators

Table: Comments on the progress indicators in the excel template.

Progress indicator	Comment
1.1 Volume of available acquired data	Wind farms dataset on a decreasing trend. This is due to the update: some projects were cancelled, resulting in a decrease of available data.
1.2 Number and coverage of built & external data products	Huge increase due to the release of the route density maps, and to the update of the vessel density maps
2. Organisations supplying each type of data	New source for UK pipelines
3. Interfaces to access or view data: list changes or new items within reporting period	New data sets available (route density and MSFD reporting units)
4. Usage of data and data products per interface and per theme	Huge increase for some themes, mostly due to new releases/updates.
5. Distribution of users that have used the portal's data and data products per organisation type and country, and their main use cases	Private sector on a downward trend.
6. External products (websites, apps, ...) built on top of web-services: update since last quarterly report	
7. Published use cases and number of readings	
8. Portal and Social Media visibility	Number of unique visitors going up, possibly due to new releases / updates. Note that route density and updated vessel density went live towards the end of the reporting period.
9.1 Technical monitoring	
9.2 Portal user-friendliness	Favicon now implemented (January 2020)
10. Visibility & Analytics for web pages	Page view going up in Q4 most certainly because of major updates and data releases. Note that route density and updated vessel density went live towards the end of the reporting period.
11. Visibility & Analytics for web sections	Same as above. New blog was released in October.
12. Average visit duration for web pages	No major variations are reported.

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.