



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 - (24 months)

EMODnet Phase III - Quarterly Progress Report (13)

Reporting Period: 01/04/2020 - 31/06/2020



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1. Highlights in this quarter

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

- Updated data sets: protected areas, dredging, ocean energy sites, macroalgae, microalgae.
- New data sets online: fishing effort, fishing intensity.
- Development of a data model based on the comments received from the MSP Data Experts group, with currently available MSP plans from Belgium, Germany, Latvia and the Netherlands.
- Data collection of updates in aquaculture (Greece, Cyprus, Norway, Scotland)
- Work on updated relational models for finfish production
- New contacts made to collect aquaculture data in Portugal and Sweden, but without results so far

Task 2: construct products

- Finished uploading vessel density maps for 2019. Now three full years are available: 2017, 2018, 2019.
- Route density maps updated to June 2020

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

Nothing to report

Task 5: ensure the involvement of regional sea conventions

Nothing to report. The activity is scheduled to progress after the summer

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

- Live chat service remained available despite the lockdown. While overall usage declined, many requests for help were filed anyway.

Other (not directly related to any task)

- A detailed report was published on how to adapt EMODnet Human Activities' data models to INSPIRE specifications, without any loss of information. This completes the work package dedicated to compliance with INSPIRE.
- Based on the route density maps, we estimated the reduction in fishing activity by EU sea basin due to the COVID-19 outbreak. The results were presented in a blog post. The underlying calculations are being used by the JRC / STECF for their Annual Economic Report of the EU Fishing Fleet.

2. Identified issues: status and actions taken

A. Priority issues identified and communicated by EASME/ DG MARE/ SECRETARIAT			
Priority issue	Status (Pending/Resolved)	Action(s) taken / remaining actions planned	Date due

B. Issues / challenges identified by the thematic assembly group itself			
Priority issue / challenge	Status (Pending/Resolved)	Action(s) taken / remaining actions planned	Date due
Aquaculture data in Spain: only available through WMS but with no access to the data, which cannot be integrated with other MS data	Pending	Emails sent to the Spanish Authorities to find a way to have access to the data rather than WMS link. In the worst case scenario (no reply), the available data will be displayed on the map viewer via WMS, but they will not be harmonised with the data from the other countries	Next progress report.

3. User feedback (Contact Us form and online chat)

Overview of user feedback and/or requests received during the reporting period						
Date	Organisation	Type of user feedback (e.g. technical, case study, etc.) and short description of the feedback received	Response time	Status of user query: resolved/pending	Measures taken to resolve the query	Status: if not (yet) resolved/pending, explain reason why and expected timeline
01/04/20	Individual	Technical (how to download route density maps)	Immediate (live chat)	Resolved	Explained how to do it	
08/04/20	Individual	Data: user looked for environmental parameters around aquaculture sites	Same day (live chat)	Resolved	Redirected user to the relevant EMODnet portals	
13/04/20	Individual	How to cite EMODnet (Coastal mapping report)	Immediate (live chat)	Resolved	Redirected the user to the Secretariat (question not related to EMODnet HA)	
16/04/20	Individual	Technical (how to download the wind farms data set)	Immediate (live chat)	Resolved	Explained how to do it	
20/04/20	ANFACO-CECOPESCA	Data: where to get quantity of algae produced	Immediate (live chat)	Pending	The data are not available from our provider	At the moment, the issue cannot be addressed.
24/04/20	Individual	Technical: how to extract vessel and route density data for area around ports	Immediate (live chat)	Resolved	Explained how to do it	
04/05/20	Individual	Data: user allegedly found missing data in the wind farm	Immediate (live chat)	Resolved	User was looking at the wrong data set	

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		data set (Frederikshavn, Rønland, Horns Rev)				
07/05/20	Individual	Data: user was looking for data on EEZs	Immediate (live chat)	Resolved	Explained where to find data on EMODnet HA	
13/05/20	Individual	Technical: user couldn't retrieve vessel density data via WMS in ArcGIS	Immediate (live chat)	Resolved	Explained how to do it. User was setting a wrong parameter	
14/05/20	Individual	Technical: user needed assistance on WMS for vessel density (same user as on 13/05, but with a different issue)	Immediate (live chat)	Resolved	Explained how to do it	
18/05/20	Individual	User had issues downloading the wind farm data set	Immediate (live chat)	Resolved	Download link seemed to be working properly. An archive was sent via email anyway	
26/05/20	Individual	Technical: user was looking for a WMS link to show all of EMODnet Human Activities' data sets	Immediate (live chat)	Resolved	Explained how to do it	
28/05/20	Individual	Data: user asked for daily vessel density data	Same day (e-mail)	Pending	Explained that vessel density data are only available on a monthly basis	It is not possible to address this issue

Overview of user feedback and/or requests received during the reporting period						
Date	Organisation	Type of user feedback (e.g. technical, case study, etc.) and short description of the feedback received	Response time	Status of user query: resolved/pending	Measures taken to resolve the query	Status: if not (yet) resolved/pending, explain reason why and expected timeline
17/05/20	Individual	Technical: user was looking for a shapefile of main ports	Immediate (live chat)	Resolved	Explained how to get it	
11/05/20	Individual	Data: user asked for vessel density data at 50m resolution	Same day (e-mail)	Pending	Explained that data are available only at 1km resolution	It is not possible to address this issue.
16/05/20	Individual	Re-use: user asked whether they can use screenshots from the portal on their publication	Same day (e-mail)	Resolved	Explained EMODnet data policy	
17/06/20	Equinor	Data: user wanted to know the source of Norwegian offshore infrastructure data	Same day (e-mail via Secretariat)	Resolved	Explained	
18/06/20	Individual	Technical: user asked how to open a file geodatabase (fishing intensity) in QGIS	Immediate (live chat)	Resolved	Explained how to do it	
19/06/20	Individual	Data: user asked what months the seasonal route density maps cover	Immediate (live chat)	Resolved	Explained and redirected user to metadata page	
22/06/20	Individual	Technical: user didn't know how to open a file geodatabase	Immediate (live chat)	Resolved	Explained how to do it	
23/06/20	WWF	Re-use: user wanted to know if data could be used for their project	Same day (email)	Resolved	Explained EMODnet data policy	

Overview of user feedback and/or requests received during the reporting period

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24/06/20	Individual	Technical: user wanted to know how to extract information from ship density data on how many ships take the Northern Route	Immediate (live chat)	Pending	Explained this is not possible	The density maps only cover the European Arctic. It is not possible to get the information needed with the current data
29/06/20	Individual	Technical: user asked for a link to download wrecks data	Immediate	Pending	Explained this is not possible	Data source never agreed to provide files for download.

4. Meetings held/attended & planned

A. Meetings organised and attended				
Date	Location	Type event (internal or external meeting, training (workshop), etc.)	Meeting attended (A) / organised (O)	Short description and main results (# participants, agreements made, etc.)
28/05/20	Remote meeting	Technical Expert Group on Marine Spatial Planning Data. Subgroup 2 – Harmonization of terminology and nomenclature for MSP output data	A	Action plan for the Harmonized nomenclature to be used for the MSP Dataset. Requirements for the Data model design.
30/06/20	Remote meeting	TEG-MSPData, Subgroup 1 – Mapping of existing and available MSP data across the EU	A	Presentation of work on INSPIRE.
16/06/20	Remote meeting	Coastal workshop: EMODnet and CMEMS	A	Presentation of EMODnet Human Activities
02/06/20	Remote meeting	Internal meeting	O	Discussion on how to make the MSP data set INSPIRE-compliant
21/05/20	Remote meeting	EMSA call	A	Discussion on how to publish the work on the impact of COVID-19 on fishing and shipping
SUM			O	Total # of meetings organised = 1
SUM			A	Total # of meetings attended = 4

B. Meetings planned in the future				
Date	Location	Type event (meeting, training (workshop), etc.)	Meeting to be attended (A) / organised (O)	Short description and main expected outcomes

5. Communication and dissemination activities

A. Communication activities				
Date	Communication action/ material	Short description (of the material, title, ...) and/or link to the activity	Main results	Name of event at which material was disseminated (if applicable)
28/05/20	Blog post	Blog post to show how to use route density data to try and estimate the impact of the COVID-19 outbreak on fisheries.	The STECF will use the same approach in the Annual Economic Report currently under preparation.	Not applicable

B. Planned communication activities			
Date	Communication action/ material	Short description (of the material, title, ...) and/or link to the activity	Main results expected
To be defined	Blog post	Blog post to present the work carried out to transform all EMODnet data sets and data products into INSPIRE-compliant data models. The post will be accompanied by a report.	Present the approach developed by the MarSP project to show how even complex EMODnet data models can be easily made fully compliant with INSPIRE specifications.
Beginning of September	Blog post	Blog post to present the data set on spirulina production developed by the JRC and submitted via the Data Ingestion project. The post will feature an interview with Rita Araújo (JRC) and will also advertise that the data sets on macroalgae and microalgae production were updated in April	Make users aware of the new data sets

List of known publications using EMODnet data or data products

Date	Type and name of journal, conference, ...	Publication title including DOI (if known)	Author(s)	Organisation(s)
Preprint. Publication due on 1 October 2020	Science of the Total Environment	The effects of COVID-19 induced lockdown measures on maritime settings of a coastal region https://doi.org/10.1016/j.scitotenv.2020.140123	Depellegrin D., Bastianini, M., Fadini A., Menegon S.	Renewable Energy Group, College of Engineering, Mathematics and Physical Sciences, University of Exeter, Cornwall Campus, Penryn, United Kingdom; NR – National Research Council of Italy, ISMAR – Institute of Marine Sciences, Venice, Italy
n.a.	DERC-MARESANUS project	Potential of Maritime Transport in the Mediterranean Sea for Ocean Liming and CO ₂ Removal	Pagano D., Caserini S., Campo F., Cappello G., Grosso M.	Technical University of Milan

6. Monitoring indicators

Comments on the progress indicators in the excel template	
Progress indicator	Comment
1.1 Status/Volume and coverage of all available acquired data A) Volume and coverage of available acquired data	Volume slightly increased due to the addition of entirely new data sets (fishing effort and fishing intensity, as well as to the update of the algae data set.
1.1 Status/Volume and coverage of all available acquired data B) Usage of data in this quarter (formerly indicator 4)	No explanation regarding usage. Some data sets go up, some go down. Nearly impossible to tell why.
1.2 Status/Total number and the coverage of all built & external data products A) Volume and coverage of available built & acquired data products	Coverage remains the same by definition. Volume can only increase as new data are added each month
1.2 Status/Total number and the coverage of all built & external data products B) Usage of data products in this quarter (formerly indicator 4)	Vessel density probably went down because 2018 was updated months ago (no reason to download data again), whereas 2019 was completed gradually during the quarter. Difficult to explain the trend for route density
2. Organisations supplying/approached to supply data and data products within reporting period	No explanation
3. Online 'Web' interfaces to access or view data	No explanation
5. Statistics on data volunteered through download forms	Nothing noteworthy. Private sector slightly increasing, but it is always between 25% and 30
7. Published use case	Nothing noteworthy
9.1. Technical monitoring	Nothing noteworthy
9.2. Portal user-friendliness (Visual Harmonization score)	Nothing noteworthy
10. Visibility & Analytics for web pages	Difficult to explain trends
11. Visibility & Analytics for web sections	Difficult to explain trends
12. Average visit duration for web pages	Difficult to explain trends

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.

7. Annex: Other documentation attached

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