# EMODnet Thematic Lot n°7 – Human Activities

**EASME/EMFF/2019/1.3.1.9/Lot 7/SI2.835999**

**Start date of the project: 03/03/2021 (24 months)**

## Centralisation Phase

## Quarterly Progress Report (20)

**Reporting Period: 01/01/2022 – 31/03/2022**

# Contents

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# 1. Highlights in this quarter

**Task 1: Maintain and improve a common method of access to data held in repositories**

Updated data sets:

-   Fishing intensity (now includes Baltic Sea and Atlantic Ocean)
-   Oil and gas licences
-   Shellfish aquaculture (now includes Spain and Slovenia)
-   Pipelines
-   Dumped munitions (points and polygons)
-   Wind farm areas
-   MSP (now includes Latvia and Poland)

**In addition:**

-   New data for freshwater aquaculture in Spain has been processed.
-   Data for freshwater aquaculture in Slovenia, Denmark, Poland, Ireland, Scotland, Czechia, Austria, Estonia and Norway are being updated.
-   Ongoing contacts with national authorities from Finland, Sweden, Romania, Croatia and Slovakia to improve the coverage of the shellfish dataset with at least data from the main freshwater aquaculture producers (e.g. mainly Italy and Romania).
-   Data harmonisation for wrecks in Ireland has been completed.

**Task 2: Construct products from one or more data sources that provide users with information about the distribution and quality of parameters in time and space**

-   Vessel density maps updated to April 2021
-   Route density maps updated to February 2022

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

-   Several issues related to web services have mostly been fixed, as per § 2. While the issues are still pending, there are only minor adjustments to be done.

**Task 4: Contribute data, data products and content to a central portal that allows users to find, view and download data and data products**

-   Substantial progress on the CP. Porting almost complete. Only a final check is needed

**Task 5: Contribute content to dedicated spaces in the Central Portal**

-   Mapping of static content has been completed. The publication on the method for the vessel density maps hasn't been uploaded yet, as a new version is being prepared

**Task 6: Ensure the involvement of Regional Sea Conventions**

-   Meetings will take place in Q2 and Q3 2022

**Task 7: Contribute to the implementation of EU legislation and broader initiative for open data**

- Participation in the Technical Expert Group (TEG) on Marine Spatial Planning (MSP) data created by CINEA and DG MARE. This group (co-chaired by HELCOM) supports the harmonization of data, metadata and analyses related to MSP

**Task 8: Monitoring quality / performance and deal with user feedback**

Nothing to report

**Task 9: Maintain the existing thematic web portal for a maximum of six months from the start of the project**

Phasing out almost completed

| Status of the Milestones and Deliverables listed in the workplan | | | | | |
|---|---|---|---|---|---|
| Milestone/Deliverable in numerical order | WP | Date due | Status (To do/ Delivered/ Delayed) | Date delivered | If Delayed: reason for delay and expected delivery date |
| e.g. M1: xxx | WP1 | Dd/mm/yyyy | Delivered | Dd/mm/yyyy | … |
| e.g. D1.1: xxx | WP1 | Dd/mm/yyyy | Delayed | | … |
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N.B.: EMODnet Human Activities doesn't have milestones.

# 2. Identified issues: status and actions taken

| A. Priority issue(s) identified and communicated by CINEA/ DG MARE/ SECRETARIAT | | | | |
|---|---|---|---|---|
| Priority issue | Status (Pending/ Resolved) | Action(s) taken/ remaining actions planned | Date due | Date resolved |
| **EMODnet Catalogue Tags** | Pending | Provide list of tags to include in the catalogue | | |
| **Review of the new CP map viewer** | Pending | Initial review carried out. Only a final review is left. No major issues are expected | | |
| **Human Activities to add links to WMS and WFS or WCS in the metadata documents** | Pending | WMS, WFS and download links have been added for all the Human Activities datasets. Vessel and Route density datasets are pending the update to NetCDF source | | |
| **Human Activities to report on number and volume of downloaded data and data products** | Resolved | Numbers provided | | |
| **Inaccurate GetLegendGraphic returned for Human Activities EEZ layer** | Resolved | When the spacing of the hatching style is small, the legend seems not to show correctly. We have increased the width of the hatch style and it displays OK now. | | |
| **Human Activities WMTS broken: GeoWebCache out of synch** | Pending | GetCapabilities is now working correctly. There remains an issue with route density layers | | |

| B. Issues / challenges identified by the thematic assembly group itself | | | | |
|---|---|---|---|---|
| Priority issue / challenge | Status (Pending/ Resolved) | Action(s) taken / remaining actions planned | Date due | Date resolved |
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# 3. User feedback

| Overview of user feedback and/or requests received in this quarter | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date** | **Organisation** | **Type of user feedback (e.g. technical, case study, etc.) and short description of the feedback received** | **Means of contact** | **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** |
| **03/01/22** | Individual | Copyright: user wanted to include an image from the map viewer into this work | E-mail | Same day | Resolved | Explained how to acknowledge EMODnet | |
| **04/01/22** | Individual | Copyright: user wanted to include an image from the map viewer into this work | E-mail | Same day | Resolved | Explained how to acknowledge EMODnet | |
| **10/01/2022** | Individual | Data: user asked how to single out vessel routes originating from Brazil, Colombia and Vietnam | E-mail | Same day | Resolved | Explained this can only be done from raw AIS data, to which users can't be granted access | |
| **12/01/2022** | Individual | Copyright: user asked how to cite EMODnet | E-mail | Same day | Resolved | Explained how to acknowledge EMODnet | |
| **12/01/2022** | EMODnet Seabed Habitats | Technical: error with WMS | E-mail | Same day | Resolved | Fixed a CORS issue | |

| | Overview of user feedback and/or requests received in this quarter | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date** | **Organisation** | **Type of user feedback (e.g. technical, case study, etc.) and short description of the feedback received** | **Means of contact** | **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** |
| 20/01/2022 | Individual | Technical: user asked how retrieve shapefiles of telecom cables | E-mail | Same day | Resolved | Explained how to do it | |
| 04/02/2022 | European Court of Auditors | Data: user asked whether: (i) the MSP available on EMODnet are official; (ii) more countries would be made available and (iii) when | E-mail | Same day | Resolved | Explained that (i) the MSPs are indeed official; (ii) data are made available as soon as MSs adopt their plans; (iii) for the same reason it's not possible to provide a tentative release plan | |
| 14/02/2022 | Individual | Data: User informed us that some algae producing facilities were not included in our data set | E-mail | Same day | Resolved | 2 out of the 3 facilities actually turned out to be included. For the remaining one, we put the users in touch with the JRC, who are in charge of the data set | |
| 14/02/2022 | Individual | Technical: user lamented an error with WMS | E-mail | Same day | Resolved | After a quick check, no error was found. | |

| | | Overview of user feedback and/or requests received in this quarter | | | | | |
|---|---|---|---|---|---|---|---|
| **Date** | **Organisation** | **Type of user feedback (e.g. technical, case study, etc.) and short description of the feedback received** | **Means of contact** | **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** |
| **17/02/2022** | Individual | Data: users asked to be given access to raw AIS data | E-mail | Same day | Resolved | Explained this is not allowed by our licence terms with the data provider | |
| **17/02/2022** | Individual | Citation and technical: user asked how to cite EMODnet and how to get WMS and WFS links to the wind farm data sets | E-mail | Same day | Resolved | Redirected user to "Terms of Use" for citation and to metadata for WMS and WFS links | |
| **09/03/2022** | Individual | Technical: user asked how to plot vessel density data using Matlab | E-mail | Same day | Resolved | Recommended using Matlab's READGEORASTER function | |
| **16/03/2022** | Frontex | Technical: it was suggested that with the vessel density WMS we display the same legend available on the map viewer | E-mail | Same day | Resolved | The WMS default legend was created automatically by the software. We replaced it with a pre-created image, and now it's fully aligned with the map viewer | |
| **16/03/2022** | Individual | Technical: user was struggling with | E-mail | Same day | Resolved | Put user in touch with EMODnet | |

| Overview of user feedback and/or requests received in this quarter |
|---|---|---|---|---|---|---|---|
| Date | Organisation | Type of user feedback (e.g. technical, case study, etc.) and short description of the feedback received | Means of contact | 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 |
| | | downloading bathymetric data | | | | Bathymetry's coordinator | |
| 18/03/2022 | ISMAR CNR | Data: user asked when 2021 density maps would be made available | E-mail | Same day | Resolved | Told user that these would be made available in the coming months. We recommended connecting to our WMS or WCS so to always have the most recent version available | |
| 22/03/2022 | Individual | Data: user noted that 3 renewable energy projects were not included in our data set | E-mail | Same day | Resolved | 2 out of 3 projects were actually included, but the user was looking at the wrong data set. Explained that the other project had just been launched and for this reason it would be included in the next update to the data set | |

# 4.  Meetings/events held/attended & planned

| A.  Meetings/events organised and attended in the quarter | | | | | |
|---|---|---|---|---|---|
| Date | Location | Type event (internal or external meeting; training/ workshop) | Was a presentation given? (yes/no + short description) | Meeting attended (A) / organised (O) | Short description and main results (# participants, agreements made, etc.) |
| 20/01/2022 | Online | MED OSMoSIS workshop | Yes. Presentation of EMODnet Human Activities and benefits of FAIR data | A | |
| 28/03/2022 | Online | External meeting | Yes. As chair of the Socioeconomic impact of MSP subgroup a report of the activities developed was introduced. | A | Summary of advances in the data gathering and analysis of MSP (MSFD, input/output variables, metadata, network analysis and socioeconomic). The participants are DG-Mare, CINEA, HELCOM and organizations from each of the EU coastal Member States. |
| 28/03/2022 | Online | EMODnet meet and greet | No | A | Description of the work carried out by EMODnet Human Activities to Remy Denos |
| SUM | | | | O | **Total # of meetings organised = 3** |
| SUM | | | | A | **Total # of meetings attended = 0** |

| B. Meetings/events 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 |
| 6-7/7/2022 | Las Palmas of Gran Canaria (Spain) | Workshop and Internacional Conference | A | Discussion on the TEG MSP data. The expected outcomes focus on how to present the results of this group in September. |
| To be defined | Online | EMODnet - Brazil/Geo ANP dialogue | A | Discussion on how to cooperate with a Brazilian project similar to EMODnet |

# 5.  Communication assets

| A.  Communication products developed | | | | |
|---|---|---|---|---|
| Date | Communication material | Short description (of the material, title, …) of the asset | Main results | Name of event at which material was disseminated (if applicable) |
| 16/03/22 | News digest | Contributed three news items to EMODnet's News Digest | Announced three new data sets: desalination, fishing intensity in the Baltic Sea and in the Atlantic Ocean, and Latvia's MSP | |

| B.  Planned communication products | | | |
|---|---|---|---|
| Date | Communication material | Short description (of the material, title, …) and/or link to the asset | Main results expected |
| | News digest | Contribute a news item to the News Digest | Announce that Poland MSP is available |

| A. (Co-)Authored peer-reviewed publications in the quarter | | | | | |
|---|---|---|---|---|---|
| Date of publication | Type of publication | Full reference | ISBN | DOI | Is it open access? Yes/No |
| | e.g. paper; conference proceedings; book chapter; … | | | | |

| B. Other/non-peer reviewed types of publications (co-)authored in the quarter | | | | | |
|---|---|---|---|---|---|
| Date of publication | Type of publication | Full reference | ISBN | DOI | Is it open access? Yes/No |
| | e.g. paper; conference proceedings; book chapter; … | | | | |

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| *For a compressive overview of publications referring to/making use of EMODnet data and/or data products, please consult Google Scholar.* |

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European Marine
Observation and
Data Network

# 6. Monitoring indicators

| Comments on the progress indicators in the indicators spreadsheet | | |
|---|---|---|
| Progress indicator | Means of collecting figures | Comment |
| 1. Current status and coverage of total available thematic data<br><br>    A) Volume and coverage of available data | For quantity of data, we simply use GIS software to count records. As for coverage, it is not always straightforward to make an assessment. EMODnet Human Activities deals with discrete data, for which there often is no benchmark against which to gauge coverage. | Coverage increases due to data set updates. The Offshore Active Licence dataset decreases due to the fact that some Norwegian licences (small areas) are now grouped together. Fewer polygons don't mean lower coverage |
| What is your opinion on the data coverage within EMODnet for your thematic? | Coverage varies to a great extent, depending on data sets. Those for which there's a reporting obligation (e.g. protected areas, fish catches, etc.) tend to have 100% coverage. Those for which there's no reporting obligation don't always have a similar level of coverage. There remain "historical" difficulties with | |

| | | |
|---|---|---|
| | data sets such as aquaculture, cables and pipelines, for which several Member States are reluctant to or can't share data. | |
| B) Usage of data in this quarter | Download form | General increase in usage, as always happens in the 1st quarter of the year. |
| 2. Current status and coverage of total number of data products<br><br>A) Volume and coverage of available data products | For quantity of data, we simply use GIS software to count records. As for coverage, it is 100% for all EU sea basins, as we cover 100% of EU waters. | Volume can only increase, as data sets receive regular updates. Coverage can't increase, unless new data on other sea basins is purchased |
| B) Usage of data products in this quarter | Download form | General increase in usage as always happens in the 1st quarter of the year |
| 3. Internal and external organisations supplying/approached to supply data and data products within this quarter | | Nothing to report |
| 4. Online 'Web' interfaces to access or view data | | Nothing to report |
| 5. Statistics on information volunteered through download forms | Download form | Nothing noteworthy |
| 6. Published use cases | Grafana | Grafana returned no data for the quarter! |
| 8.1. Technical monitoring | Grafana | Nothing to report |
| 9. Visibility & Analytics for web pages | Grafana | Downward trend. Difficult to explain why |
| 10. Visibility & Analytics for web sections | Grafana | Downward trend. Difficult to explain why |
| 11. Average visit duration for web pages | Grafana | Downward trend. Difficult to explain why |

*The monitoring numbers reported as part of the progress monitoring of EMODnet performance are collected through Matomo and/or Europa Analytics, unless reported otherwise.*

# 7. Annex: Other documentation attached

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