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)

EMODnet Phase III – Quarterly Progress Report (18)

Reporting Period: 01/07/2021 – 30/09/2021

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:

- Dreding
- Natural 2000 areas
- State of bathing waters
- Monthly first sales of fish
- Finfish aquaculture
- Ocean energy projects and test sites
- Urban waste water Discharge points

New data set on desalination plan published on a test version of the portal (awaiting feedback from DG MARE and from the data provider)

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

- Route density maps updated to September 2021

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

- Migration of the server to Germany almost completed

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

- Several meetings held to finalise the phasing out of the thematic portal

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

Nothing to report

Task 6: Ensure the involvement of Regional Sea Conventions

Nothing to report in this quarter. At a steering committee meeting it was suggested that coordination with RSCs is pursued centrally, and not individually by the thematic groups

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

The EMODnet HA team confirmed to DG MARE and to the EU MSP platform full availability to assist Member States in the preparation of their MSP data sets.

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

Nothing to report

Status of the Milestones and Deliverables listed in the workplan				
Milestone/Deliverable	WP	Date due	Status (Delivered/Delayed)	If Delayed: reason for delay and expected delivery date
e.g. M1: xxx	WP1	Dd/mm/yyyy		
e.g. D1.1: xxx				

N.B. the workplan of EMODnet Human Activities is not structured around milestones, other than project deliverables.

2. Identified issues: status and actions taken

[Provide an overview of the issues identified by CINEA (Table A), if any, since the start of the project phase (provide date), the status of those issues and actions taken to address them and/or roadmap with remaining actions planned to resolve the issues. in Table B, provide information about issues and challenges identified by yourself, if any.]

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
EM-79 Human Activities to report on status or plans to support INSPIRE Compliant CSW	Solved	Geonetwork installed (will be made live in October)		September 2021
EM-86 Web Services MetadataUrl and DataUrl fields	Pending	To evaluate again after we have made the web services live on the new server. Once this is done we can look at any further work to make compliant		
EM-41 - TWG4 - Action point 7: Implement support of time dimension in EMODnet Human Activites Geoserver (WMS-Time, WCS-Time)	Pending	Still in progress. Several approaches are being looked at. Best candidate: making available raster files as NetCDF instead of geotiffs		
EM-345- Collect fields/forms used on Human Activities Thematic Portal	Pending	Will be fixed in October		
EM-337 Collect names of Portal editors	Pending	Will be fixed in October		

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

3. User feedback (Contact Us form, online chat & other communication means)

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
08/07/21	Undisclosed	User needed to know how to open vessel density maps in QGIS	E-mail	Same day	Solved	Explained how to do it	
20/08/21	Undisclosed	User had troubles converting vessel density grid to epsg:4326	E-mail	Same day	Solved	Explained how to do it	
31/08/21	Undisclosed	User enquired whether offshore wind licences were missing from our offshore wind data set	E-mail	Same day	Solved	Explained that licences are not included in the offshore wind data set. These are being made available in the MSP data set, instead	
02/09/21	Undisclosed	User asked to obtain vessel density maps priori to 2017	E-mail	Same day	Pending	Issue can't be solved. There are no plans to release vessel density maps before 2017	

| 16/09/21 | Undisclosed | User asked whether yearly density maps report number of hours per year or month | E-mail | Same day | Solved | Explained that yearly density maps report average monthly density values | |

4. Meetings/events held/attended & planned

N.B.: meetings with the Secretariat and / or the central portal are not listed below

A. Meetings/events organised and attended					
Date	Location	Type event (internal or external meeting, training/workshop)	Indicate if a ppt was given (yes/no + short description)	Meeting attended (A) / organised (O)	Short description and main results (# participants, agreements made, etc.)
02/07/21	Remote meeting	Internal	no	A	Meeting with EMODnet Physics to discuss a framework to integrate EMODnet HA data on vessel density with EMODnet Physics data on noise
16/07/21	Remote meeting	Internal	no	A	Meeting with DG MARE to understand to what extent EMODnet HA may support the MSFD process (oil spills)
20/09/21	Remote meeting	External	no	A	Meeting with the contractor of CINEA/EMFF/2020/3.1.16/Lot2/SI2.85094 who's investigating loss of AIS messages due to satellite collisions.
SUM				**O**	**Total # of meetings organised =**
SUM				**A**	**Total # of meetings attended = 3**

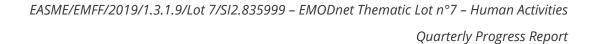| B. Meetings/events planned in the future				
Date	Location	Type event (meeting, training (workshop), etc.)	Meeting to be attended (A) / organised (O)	Short description and main expected outcomes
October 2021	Remote meeting	Training	A	Support to the Italian public administration for MSP (organized by the EU MSP Platform)

5. Communication assets

A. Communication products				
Date	Communication material	Short description (of the material, title, ...) of the asset	Main results	Name of event at which material was disseminated (if applicable)

B. Planned communication products			
Date	Communication material	Short description (of the material, title, ...) and/or link to the asset	Main results expected

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)
17/09/21	EU Publication Office	Proposal for making harmonized MSP plan data available across Europe (doi: 10.2926/029516)	Technical Expert Group (TEG) on Data for MSP	University of Las Palmas de Gr an Canaria, HELCOM
23/09/21	sustainability	The Impact of Nautical Activities on the Environment —A Systematic Review of Research (https://doi.org/10.3390/su131910552)	Boljat H. et al.	University of Split
01/08/21	Ocean & Coastal Management	Current status, advancements and development needs of geospatial decision support tools for marine spatial planning in European seas (https://doi.org/10.1016/j.ocecoaman.2021.105644)	Depellegrin D. et al.	Renewable Energy Group, College of Engineering, Mathematics and Physical Sciences, University of Exeter,
08/21	Marine Policy	Spatial overlap between human activities and seabed habitats in European Seas: Insights into EMODnet's data for management purposes (https://doi.org/10.1016/j.marpol.2021.104551)	Solaun O. et al.	AZTI
11/21 (preprint)	Ecological Indicators	An indicator for assessing the status of marine-bird habitats affected by multiple human activities: A novel statistical approach (https://doi.org/10.1016/j.ecolind.2021.108036)	Mercker M. et al.	Bionum GmbH
12/21 (preprint)	Marine Policy	Application of a risk-based approach to continuous underwater noise at local and subregional scales for the Marine Strategy Framework Directive (https://doi.org/10.1016/j.marpol.2021.104786)	Verling E. et al.	MaREI Centre for Marine and Renewable Energy, Environmental Research Institute, University College Cork, Ireland

06/09/21	Global Change Biology	Bright spots as climate-smart marine spatial planning tools for conservation and blue growth (https://doi.org/10.1111/gcb.15827)	Queirós A. et al.	Plymouth Marine Laboratory
26/07/21	Frontiers in Marine Science	Using Automatic Identification System (AIS) Data to Estimate Whale Watching Effort (https://doi.org/10.3389/fmars.2021.635568)	Almunia J. et al.	Loro Parque Fundación
22/07/21		Identifying Priorities for the Protection of Deep Mediterranean Sea Ecosystems Through an Integrated Approach (doi: 10.3389/fmars.2021.698890)	Fanelli E. et al.	Department of Life and Environmental Sciences, Polytechnic University of Marche, Ancona, Italy,

6. Monitoring indicators

Comments on the progress indicators in the excel template		
Progress indicator	**Means of collecting figures**	**Comment**
1. Current status and coverage of total available thematic data A) Volume and coverage of available data	Matomo/ other (Please state which monitoring tool was used to collate the information in each case)	Volume of data increased as a result of data set updates. A new data set on desalination plant was completed (available only on a test page) N.B. sea basin figures cannot be provided for discrete data set.
B) Usage of data in this quarter		Usage decreased as usual during the summer months. Downloads and WMS requests went down, whereas WFS requests went up
2. Current status and coverage of total number of data products A) Volume and coverage of available data products		Volume of route density goes up by definition, as new updates are released each month. Vessel density will receive an update in the 2022 Q1
B) Usage of data products in this quarter		Usage decreased as usual during the summer months
3. 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		34% of users from industry
6. Published use cases		Nothing to report
8.1. Technical monitoring		Nothing to report
8.2. Portal user-friendliness (Visual harmonization score)		Nothing to report
9. Visibility & Analytics for web pages		Summer months always with less traffic
10. Visibility & Analytics for web sections		Summer months always with less traffic

11. Average visit duration for web pages		Summer months always with less traffic

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), and if so, must be reported in the table above. Each system uses different technical approaches and therefore has its strengths and shortcomings. Therefore, results are indicative and care should be taken when 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.]