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 (9)

Reporting Period: 01/04/2019 – 30/06/2019

Contents

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1 Highlights during the reporting period

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

- Updated datasets: aggregate extraction, protected areas (new polygons and improved categorisation of areas), state of bathing water, first sale of fish (with more details on fish species, presentation and preservation state), hydrocarbon licences, hydrocarbon boreholes, main ports, ocean energy facilities, waste at ports, dumped munitions

- New datasets: nuclear power plants, urban wastewater treatment facilities and discharge points (not yet online), MSFD reporting units. Work has commenced on creating new datasets such as fishing effort by FAO area, and military zones.

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

- New set of 2018 AIS data purchased to update the vessel density map.

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

- New short web service URL's using domain ows.emodnet-humanactivities.eu

Task 4: Develop a web portal allowing users to find, visualise and download data

- The portal has been transferred to a new Linux server for increased performance and security with latest versions of GeoServer and PostgreSQL.

- Implementation of wildcard SSL certificate for emodnet-humanactivities.eu to allow the publishing of the portal and web services via https.

2 Challenges encountered during the reporting period

Main challenge	Measures taken
Port authorities had provided two different units for the fields requested of the Waste at Ports dataset	To create a new table and a new relationship class to distinguish between the fields given in cubic meters and the fields given in tonnes
Improvement of the geographical coverage of aquaculture dataset.	Continue contacting national authorities + contacting national producers' organisations which may hold data of geographical locations of aquaculture farms.
Cultural Heritage : continuous reluctance of data owners to provide precise coordinates of underwater sites/objects	Negotiations for transmitting layers with no coordinates and/or non downloadable information on site locations.

3 User Feedback

Date	Organisation	Type of user feedback (e.g. technical, case study, etc.)	Response time
02/04/2019	PhD student (via EMODnet Secretariat)	Case study	Immediate (e-mail)
03/04/2019	Individual (live chat)	Technical	Immediate (live chat)
03/04/2019	Individual (live chat)	Technical	Immediate (live chat)
04/04/2019	Individual (live chat)	Technical	Immediate (live chat)
07/04/2019	Individual (live chat)	Technical	Immediate (live chat)
09/04/2019	Individual (live chat)	Technical	Immediate (live chat)
10/04/2019	Individual (live chat)	Technical	Immediate (live chat)
11/04/2019	Individual (live chat)	Technical	Immediate (live chat)
25/04/2019	Individual (live chat)	Technical	Immediate (live chat)
03/04/2019	Individual (live chat)	Case study	Immediate (live chat)
09/05/2019	University of York (via EMODnet Secretariat)	Technical	Immediate (e-mail)
17/05/2019	Individual (live chat)	Technical	Immediate (live chat)
22/05/2019	Individual (live chat)	Technical	Immediate (live chat)
24/05/2019	Individual (live chat)	Technical	Immediate (live chat)
30/05/2019	Individual (live chat)	Technical	Immediate (live chat)
31/05/2019	Individual (live chat)	Technical	Immediate (live chat)
04/06/2019	Individual (live chat)	Technical	Immediate (live chat)
11/06/2019	Individual (live chat)	The user needed information from EMODnet Bathymetry	Immediate (live chat)
12/06/2019	Oceana (live chat)	Case study	Immediate (live chat)
14/06/2019	Individual (live chat)	Technical	Immediate (live chat)
27/06/2019	Individual (live chat)	Technical	Immediate (live chat)
27/06/2019	Individual (live chat)	Case study. The user needed information from EMODnet Physics	Immediate (live chat)
27/06/2019	Intern from CEREMA and World Bank	Case study	1 day (e-mail)

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.)
24/06/2019	Athens	SEALINES Workshop	A	Presentation of EMODnet Human Activities to Mediterranean stakeholders. No of participants: 35
17/05/2019	Lisbon	Digitalisation, AI & Big Data for Maritime Applications: workshop	A	Discussion on how the vessel density map was built on big data, and what can be done with it. No of participants: unknown
17/05/2019	Lisbon	MarSP: EMD2019 Workshop	A	EMD2019 Workshop - Innovative tools & transferability in MSP EASME projects. No of participants: unknown
SUM			**O**	**Total # of meetings organised = 0**
SUM			**A**	**Total # of meetings attended = 3**

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.)
17/05/2019	Workshop at EMD 2019	Discussion on how the vessel density map was built on big data, and what can be done with it.	No of participants: unknown
17/05/2019	Workshop at EMD 2019	EMD2019 Workshop - Innovative tools & transferability in MSP EASME projects. No of participants: unknown	No of participants: unknown
24/06/2019	SEALINES workshop	Presentation of EMODnet Human Activities to Mediterranean stakeholders.	No of participants: 35

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

Date	Name of journal, conference, …	Publication title	Authors	Organisation(s)

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.