



EMODnet Thematic Lot n° 5 - Biology

4rd Bi-monthly Report

Reporting Period: 01/09/2014 – 30/10/2014

Date: 24/11/2014

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1. Highlights in this reporting period

Provide a short summary of the key achievements and/or events of interest to a wider audience within this reporting period you wish to highlight – this can be based on the indicators or any other of the reporting sections.

- *Organisation second general meeting at University of Azores, IMAR.*
- *Drafting of the first annual report. The report has been revised and was accepted by the EU.*
- *Discussion between EMODnet biology at ICG-COBAM on MSFD indicators*
- *EMODnet biology presented at Eurocean pre-event*
- *Data products created for all species groups in North Sea and NEA, and temporal animations available online at data portal.*
- *Marine biological trait ontology published on a semantic Wiki*
- *HCMR new lead of WP4: Data archaeology*

2. Meetings held since last report

List here the meetings held since the last bi-monthly report, if relevant add short description

[Provide information in table - Maximum 1 page]

Date	Location	Topic	Short Description
09 September 2014	DG MARE, Brussels	EMODNET-MSFD Meeting	On 9 September 2014 a meeting was held at DG-MARE in Brussels to discuss the possibilities of EMODNET for the MSFD. Helcom and OSPAR are pleased with the EMODNET Biology activities. EMODnet Biology was invited to attend a joint OSPAR-HELCOM COBAM meeting, presenting the results to their experts.
17-18 September 2014	IMAR, Horta, Azores	EMODnet Biology Second general Meeting	The second general meeting was organized by IMAR. 33 participants discussed the current status and second years' activities of the EMODnet biology project.
1-2 October 2014	OSPAR-ICG-COBAM Meeting, Sweden	OSPAR ICG COBAM & CORESET, HELCOM Meeting	Attending CORESET and ICG-COBAM Meeting on MSFD biodiversity indicators, and presenting activities EMODnet biology.
6-8 October 2014	CNR, Rome	Eurocean Meeting and EMODnet pre-session	Presenting EMODnet biology at EMODnet session.

3. Work package updates

Using the work package as a header list here the activities that occurred since the last bi-monthly report. If there was no activity to report leave the section blank.

WP1 – Project Management

- The year one report was compiled, sent to the EU and accepted. The report is available at: <http://www.emodnet-biology.eu/project/documents/EMODnet-Biology-II/Deliverables-EMODnet-Biology-II/D1.2-First-interim-report/>
- Organisation of the EMODnet Biology Second General Meeting, 17-18.09.2014 in Horta. 32 partners were present during this meeting, where all project activities were presented and a workplan for year two was discussed. A meeting report is available at: <http://www.emodnet-biology.eu/project/documents/Meetings/EMODnet-2nd-General-meeting-%2817-18-Sep-2014%29/Meeting-report/>
- Subcontractor IBSS stepped out of the project and HCMR will lead WP4 Data Rescue
- Liaise the project with OSPAR-COBAM, HELCOM-CORESET and EEA in relation to MSFD indicators.

WP2 – Identification and collection of species, species attributes and species indicator information

- The trait data from the pilot trait projects are being processed and formatted for upload.
- Data on marine invasive species is undergoing quality checks and formatting for upload.
- A draft version of the World Register of Introduced Species (WRIMS) has been set up and is in testing phase.
- A semantic Wiki to manage the vocabularies on the functional trait names and definitions is available at: http://www.coastalwiki.org/wiki/Traits:Marine_species_traits
- Draft version paper on rationale to collect marine biological traits (Costello et al, in prep)

WP3 – Data access to marine biological data

- Given the fact that other work packages depend on the availability of the data, we proposed to have the data delivered by the end of 2014 (when possible), so that the majority of the data will be available online by Spring 2015. All partners agreed to this. Only for a very few datasets, this deadline cannot be met. In these cases, an alternative date was agreed upon.

WP4 – Data archaeology

- *Change of roles: HCMR will replace IBSS to lead this WP. A data inventory for the Mediterranean is being compiled. HCMR will take up the task of identifying datasets from the area, providing additional in-kind contributions through the LifewatchGreece infrastructure.*
- *A data request for historical data was sent to mailing lists and social media, asking scientists to alert EMODnet of historical marine biology datasets that are worth being digitized. Several distribution channels (mailing lists, LinkedIn groups, Twitter accounts) were identified and agreed.*

WP5 – Creation of gridded abundance data products

- *Data products are available for fish, birds, mammals, benthos, zoo-and phytoplanktonic organisms for North Sea, and NEA.*

WP6 – Technical update EMODnet biological portal & link with other portals

- *Start technical developments of the new version of the dataportal. The new version of the dataportal aims to become more user friendly and more performant, with additional functional tools to filter, select, download and map the data. There will be more distinction. between the data selection and download tool, and the mapping tool which will be used more for visualizing and presenting the data.*

4. Specific challenges or difficulties encountered during the reporting period

Please list specific problems you have encountered during this period, including related to technical and data provision issues

5. User Feedback

List any useful feedback you received on your portal, your activities or those of other EMODnet projects/activities. Also provide any suggestions you have received for EMODnet case studies and/or future products/activities/events.

[Provide information in table - attach the documentation/full user feedback to the report]

Date	Name	Organization	Type of user feedback (e.g. technical, case study etc)	Response time to address user request
19/11/2014	Francis O'Beirn	Marine Institute	In relation to the distribution of <i>Crassostrea gigas</i> in Ireland the locations indicated are all licenced aquaculture sites and do not represent all areas where <i>gigas</i> is cultured and certainly not where <i>C. gigas</i> has been observed in the 'wild'. I would advise that some indication of context should be provided for the points.	<i>We are aware that the database is not complete and is not representative for all marine species (yet...). We therefore continuously encourage users to cooperate and share observation data with the system. For all observation points, there is contextual information available, through a link with a metadata description. You can access these links when downloading the data, or when you zoom to an individual observation with the online GIS viewer, and you click on the point to retrieve the attributes of the observation. You will then see a link in the last column 'metadata', where you will find more information on how the data was collected.</i>

6. Outreach and communication activities

Please list all the relevant communications activities or products you have developed/executed during this period (including presentations, lectures, trainings, demonstrations and development of communication materials such as brochures, videos, etc.). Relevant scientific and/or popular articles you know have been published using/referring to EMODnet should be reported under indicator 11 in Section 7.

[Provide information in table - Maximum 1 page]

Date	Media	Title	Short description and/or link to the activity
09 September 2014	Presentation	EMODnet biology	Meeting with regional sea commissions, EEA and ICES on cooperation within framework of MSFD
2 October 2014	Presentation	EMODnet Biology	Presentation of EMODnet biology, and the data products currently developed to ICG-COBAM expert group of OSPAR
6 October 2014	Presentation	EMODnet biology	Speed pitching presentation of EMODnet biology at EMODnet pre-event at Eurocean meeting

7. Updates on Progress Indicators

Using the indicator as a header list the metrics collated and the time interval. If there was no activity to report leave the section under the indicator header blank.

Indicator 1 - Volume of data made available through the portal

- IMR Juvenile fish monitoring - Friday, October 31, 2014 9:31 AM - This is a new entry with 5,613 records
- MAREANO - Base-line mapping of hyperbenthic crustacea fauna obtained... - Thursday, October 16, 2014 12:45 PM - This is a new entry with 5,765 records
- MAREANO - Base-line mapping of epifauna obtained with Beamtrawl - Thursday, October 16, 2014 12:42 PM - This is a new entry with 8,525 records
- IMR Zooplankton Norwegian Sea - Thursday, October 16, 2014 12:38 PM - This is a new entry with 78,689 records
- IMR Zooplankton North Sea - Thursday, October 16, 2014 12:37 PM - This is a new entry with 8,048 records
- Eastern Mediterranean Syllidae from three locations in Crete and... - Thursday, October 16, 2014 12:36 PM - This is a update entry with 997 records
- IMR Zooplankton Barents Sea - Thursday, October 16, 2014 12:35 PM - This is a new entry with 21,193 records
- Polish Monitoring Programme - Monitoring of the Baltic Sea:... - Thursday, September 11, 2014 4:00 PM - This is a new entry with 14,222 records
- Allis Shad (*Alosa alosa*) distribution for Scotland, historical to... - Tuesday, September 09, 2014 12:29 PM - This is a new entry with 234 records
- University of Málaga: MGC – Algae - Tuesday, September 09, 2014 12:28 PM - This is a new entry with 628 records
- Collection Bryozoa SMF - Tuesday, September 09, 2014 12:26 PM - This is a new entry with 7,474 records
- Collection Polychaeta SMF - Tuesday, September 09, 2014 12:25 PM - This is a new entry with 664 records
- Collection Cnidaria SMF - Tuesday, September 09, 2014 12:24 PM - This is a new entry with 2,339 records
- Collection Echinodermata SMF - Tuesday, September 09, 2014 12:23 PM - This is a new entry with 338 records
- Observations of three Idotea species (*I. balthica*, *I. chelipes* and *I....* - Tuesday, September 09, 2014 9:43 AM - This is a new entry with 21 records
- Observations of three Idotea species (*I. balthica*, *I. chelipes* and *I....* - Tuesday, September 09, 2014 9:41 AM - This is a new entry with 320 records
- IMR Herring larvae monitoring - Monday, September 08, 2014 3:45 PM - This is a new entry with 4,497 records
- Picoplankton Adriatic-SESAME Project - Friday, September 05, 2014 2:34 PM - This is a new entry with 320 records
- Phytoplankton North Adriatic-ALPE ADRIA Project - Friday, September 05, 2014 1:33 PM - This is a new entry with 6,030 records
- Netplankton North Adriatic-ALPE ADRIA Project - Friday, September 05, 2014 12:32 PM - This is a new entry with 3,139 records
- Microzooplankton North Adriatic-ALPE ADRIA Project - Friday, September 05, 2014 11:49 AM - This is a new entry with 495 records
- Microphytobenthos North Adriatic-Gulf of Trieste LTER time-series - Friday, September 05, 2014 10:08 AM - This is a new entry with 1,389 records
- Mesozooplankton North Adriatic-INTERREG-FVG Project - Friday, September 05, 2014 9:39 AM
- This is a new entry with 426 records - Mesozooplankton North Adriatic-Gulf of Trieste LTER time-series - Thursday, September 04, 2014 5:03 PM - This is a new entry with 4,228 records
- IMR Capelin larvae monitoring - Wednesday, September 03, 2014 4:18 PM - This is a new entry with 2,899 records
- Meiobenthos North Adriatic-INTERREG-FVG-Projects - Wednesday, September 03, 2014 3:53 PM - This is a new entry with 362 records

- Kyklades - Wednesday, September 03, 2014 2:33 PM - This is a new entry with 882 records
- Strelbay - Wednesday, September 03, 2014 2:30 PM - This is a new entry with 297 records
- SARONIKOS - Wednesday, September 03, 2014 2:26 PM - This is a new entry with 2,050 records
- Mytilini - Wednesday, September 03, 2014 2:26 PM - This is a new entry with 4,634 records
- MegFeod-Black Sea - Wednesday, September 03, 2014 2:25 PM - This is a new entry with 169 records
- Kerkyra - Wednesday, September 03, 2014 2:14 PM - This is a new entry with 1,015 records
- Kalamitsi - Wednesday, September 03, 2014 2:13 PM - This is a new entry with 2,037 records
- Jalta-Black Sea - Wednesday, September 03, 2014 2:13 PM - This is a new entry with 308 records
- Benthos Cretan Continental Shelf - Wednesday, September 03, 2014 2:11 PM - This is a new entry with 2,670 records
- Aegean Polychaetes - Wednesday, September 03, 2014 2:09 PM - This is a new entry with 2,215 records
- Benthic communities in Amvrakikos Wetlands: Mazoma, Tsopeli, Tsoukalio,... - Wednesday, September 03, 2014 1:25 PM - This is a new entry with 718 records
- Records of fish species in coastal lagoons that belong to Municipality... - Wednesday, September 03, 2014 10:02 AM - This is a new entry with 411 records
- Records of fish species in coastal lagoons and sea shore that belong... - Tuesday, September 02, 2014 12:25 PM - This is a new entry with 248 records
- Eastern Mediterranean Syllidae from three locations in Crete and... - Tuesday, September 02, 2014 9:45 AM - This is a update entry with 997 records
- Polychaetes from two subtidal rocky shores of the North coast of... - Monday, September 01, 2014 5:00 PM - This is a new entry with 1,359 records
- Harpactico data from a scientific cruise of the R. "Akademik" in the... - Monday, September 01, 2014 12:35 PM - This is a new entry with 120 records
- Occasional sampling of Harpacticoidea in Gulf of Kandalaksha (White... - Monday, September 01, 2014 12:25 PM - This is a new entry with 13 records

Indicator 2 - Organisations supplying each type of data based on (formal) sharing agreements and broken down into country and organisation type (e.g. government, industry, science).

Organisation	Country	Type	#
Institute of Marine Research (IMR)	Norway	Research	8
Hellenic Centre for Marine Research (HCMR)	Greece	Research	19
Institute of Meteorology and Water Management	Poland	Research	1
NBN	UK	Research	1
University of Málaga	Spain	Research	1

Senckenberg Natural History	Germany	Research	4
University of Gothenburg	Sweden	Research	2

Indicator 4 - Volume of each type of data and of each data product downloaded from the portal

- 251 Data downloads

Indicator 5 - Organisations that have downloaded each data type

Indicator 6 - Using user statistics to determine the main pages utilised and to identify preferred user navigations routes

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2014	1,954	3,065	61,361	103,080	1.74 GB
Feb 2014	1,693	2,920	54,864	95,482	1.81 GB
Mar 2014	1,432	2,699	48,654	71,811	1.89 GB
Apr 2014	1,429	2,618	23,283	32,717	1016.41 MB
May 2014	1,137	2,195	19,325	31,280	1.02 GB
Jun 2014	1,000	1,906	9,392	20,607	1.05 GB
Jul 2014	1,175	3,216	15,584	28,623	1.90 GB
Aug 2014	1,773	3,605	30,971	47,074	2.15 GB
Sep 2014	2,027	3,638	33,414	62,903	2.04 GB
Oct 2014	1,462	2,862	15,046	42,296	1.56 GB
Nov 2014	961	1,617	7,611	19,985	723.17 MB
Dec 2014	0	0	0	0	0
Total	16,043	30,341	319,505	555,858	16.85 GB

Indicator 7 List of what the downloaded data has been used for (divided into categories e.g. Government planning, pollution assessment and (commercial) environmental assessment, etc.)

Distinct categories

- analysis in the framework of EMODnet habitat lot
- As part of a project for the course Data and Information Management in the University, to learn how to work with databases in the program language R.
- BE-AWARE II
- Bonn Agreement BE-AWARE II Project
- Development of zooplankton indicators for MSFD (HELCOM, Coreset II)
- EMODnet
- EMODnet habitat
- EU research
- general interest
- Look at metadata
- marine research
- PHD research
- research
- research project
- scans
- school project
- Scientific research
- Subsea cable feasibility study
- Test
- Test EMODnet
- test on
- Testing EMODnet
- University assignment
- Validation of NPZD model North Sea

Indicator 11 - EMODnet visibility and citations (academic journals, scientific press, mainstream media, websites)