



EMODnet Coastal Mapping Project

Tender no MARE/2014/10

Contract Number no
EASME/EMFF/2014/1.3.1.4/SI2.708188

Bi-monthly Report

Reporting Period: 26/06/2016 – 25/08/2016

Date: 08/09/2016

1. Highlights in this reporting period

Provide a summary of the key achievements and noteworthy progress within this reporting period.

These two months were mainly devoted to the organisation (and arbitration) on the remaining improvements to be done on the portal, the implementation of the geographical algorithm designed to help the coastal survey planning (besides the textual one) and to the collection of consistent inputs from WP2 and WP3 tasks in order to prepare recommendations for the future.

The first version of the portal and of the project website was opened to the public on 23 December 2015 with some datasets. The data initialization has continued ever since with a portal now giving access to several datasets grouped in four thematics (see Annex 1). Moreover, the textual algorithm indicating the optimal survey techniques to obtain the main coastal mapping products is now available on the portal (Tools Menu). Several improvements, requested in the tender, and also suggested (and considered as important) by the partners, are still to be done. They could not all be implemented before the end the year, so they have been listed and prioritized.

The report linked to the vertical datum was almost completed during this period and will be circulated within the partnership during the next period. This report will be included in the final report.

Besides the textual algorithm designed to the coastal survey planning, the “geographical” version of the algorithm on the Coastal Mapping portal is still in progress and will use modelisations of depth and Secchi disk values on the European seas. It will be published during the next period.

The analysis of the current EU fundings opportunities and of the regions’ strategies is still in progress. The resulting report will be included in the final report.

A questionnaire was sent in July to the relevant partners (in particular to hydrographic offices). The results of this questionnaire will be used to define the strategic axes for the organisation of the future campaigns. The first draft of these axes will be presented to the partners during the next meeting (14-15 September 2016, Dublin)

2. 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

Several improvements have to be done on the portal. The raising difficulty is to prioritize these improvements depending on the needs : requested by the tender, requested by the project itself, requested for ergonomoy and usefulness... A prioritized list of improvement was produced by Wordline and the coordinator and will be discussed and validated at the next meeting (14-15 September, Dublin).

The implementation of the geographical algorithm on the portal is more complex than the implementation of the textual one, because it needs some background data (bathymetry, water clarity) on all the european basins. For this purpose, different sources were evaluated. The prefered datasets come from EMODnet-Bathymetry and Copernicus.

The production of recommendations as a result of WP3 tasks needs to gather all the inputs from WP2 and WP3 tasks. Some types of needed information are difficult to assess and to aggregate in a consistent way within the duration of the project. The project team will be challenged during the next 4-month period in order to produce and be able to present and explain these recommendations.

3. Meetings held since last report [if any]

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

Date	Location	Topic	Short Description

No meeting during this period.

4. User Feedback [if any]

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

Date	Name	Organization	Type of user feedback	Response time to address user request

Nothing to report.

5. Outreach and communication activities [if any]

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.

Date	Media	Title	Short description and/or link to the activity

Nothing to report.

6. User statistics

Please provide as much information about the usage of your portal as possible once it is operational (page visits, downloads, etc.).

The only statistics refer to the users' visits of the website (see Annex 3).

6.1. Website global statistics

The statistics are more detailed in Annex 3.

Period	Unique visitors	Number of visits	Pages
26/04/16-25/06/16	350	455	883

Country	Sessions	Pages/session
France	135	1.90
United Kingdom	103	1.52
Italy	54	2.50
Spain	27	2.22
Iraq	18	1.00
Belgium	12	2.75
Ireland	12	1.58
Netherlands	12	1.33
Sweden	9	1.44
(not set)	9	1.00

Service Provider	Sessions	Pages/session
service hydrographique et oceanographique de la marine	59	1.56
worldline france hosting	43	2.37
voxility.net	38	1.00
(not set)	21	1.67
istituto superiore per la protezione e la ricerca ambientale	6	1.00
telefonica o2 ireland	6	1.50
xs4all internet bv	6	1.50
fastwb staff public subnet	5	1.60
ftip003194010 hydrographics department	5	2.60
infraestructura red y servicios ip	5	3.20

Annex 1: Datasets available through the portal

Not many Web Feature and Web Coverage Services were set up at the end of the period, so there are no relevant statistics reported here.

These datasets are grouped in four categories: Coastline-Baseline, Topography&Bathymetry, Imagery and Additional Layers ([new ones in blue](#)).

COASTLINE – BASELINE (9 datasets):

Name/Type of data	Area of interest	Provider
HIGHEST ASTRONOMICAL TIDE LEVEL		
France, Histolitt coastline	France	SHOM
INTERTIDAL AREA		
Belgium Coastline	Belgium	MDK
Ireland Coastline	Ireland	GSI
Romania Coastline 1970	Romania	DDNI
LEGAL BASELINE		
Belgium Legal Baseline	Belgium	MDK
Greece Coastline	Greece	HNHS
Portugal Coastline	Portugal	IHPT
Romania Coastaline	Romania	DDNI
MEAN SEA LEVEL		
Sweden Coastline	Sweden	Lantmäteriet ¹

¹ : Swedish mapping, cadastral and land registration authority

TOPOGRAPHY & BATHYMETRY (30 datasets):

Name/Type of data	Area of interest	Provider
EMODNET BATHYMETRY DTM		
Greece DTM	Greece	HNHS
HIGH RESOLUTION DTM		
Belgium Single Beam	Belgium	MDK
France 10m DTM – Boulogne-sur-Mer	France	SHOM
France 20m DTM - Morbihan	France	SHOM
France 20m DTM – Pertuis Charentais	France	SHOM
Germany 1m DTM	Germany	BSH

Greece DTM 90K	Greece	HNHS
Norway 10m DTM	Norway	NMA
Romania 5m DTM	Romania	DDNI
LAND-SEA SEAMLESS DTM		
Belgium Lidar	Belgium	MDK
France Coastal DTM – Finistère 2014	France	SHOM
France Coastal DTM – Languedoc-Roussillon 2009	France	SHOM
France Coastal DTM – PACA 2015	France	SHOM
Germany 50m DTM	Germany	BSH
INFOMAR INSS 30m Bathymetry and LIDAR	Ireland	GSI
Ireland 20m Bathy & LIDAR Image	Ireland	GSI
Ireland Aerial LIDAR	Bantry/Dunmanus (IRL)	GSI
Ireland Bantry 5m Bathy & LIDAR DTM	Bantry/Dunmanus (IRL)	GSI
Ireland Bantry Bathy & LIDAR 8m Image	Bantry/Dunmanus (IRL)	GSI
Ireland Coastal DTM MNT	Bantry/Dunmanus (IRL)	GSI
Ireland Donegal 30m Bathy & LIDAR Image	Donegal (IRL)	GSI
Portugal DTM	Portugal	IHPT
Romania 500M DTM 1970	Romania	DDNI
LOW RESOLUTION BATHYMETRY DTM		
Baltic Sea, BSDB Bathymetry elevations 500m median	Baltic Sea	BSHC
Baltic Sea, BSDB Bathymetry watercolour 500m median	Baltic Sea	BSHC
Baltic Sea, BSDB Bathymetry watershade 500m median	Baltic Sea	BSHC
Sweden, Bathymetry 500m Min-depth	Sweden	SMA
MEDIUM RESOLUTION DTM		
France 100m DTM – Atlantic coast	France	SHOM
France 100m DTM - Corse	France	SHOM
France 100m DTM – Lion Gulf / Côte d’Azur	France	SHOM

IMAGERY (5 datasets):

Name/Type of data	Area of interest	Provider
AERIAL PHOTOGRAPHY		
France Coastal Imagery	France	SHOM
Ireland Bantry 5m Aerial Lidar Image	Bantry (IRL)	GSI
Ireland Dunmanus 3m Aerial Lidar Image	Dunmanus (IRL)	GSI
Ireland Coastal DTM	Bantry/Dunmanus (IRL)	GSI
Romania 1m Orthophotos	Romania	DDNI

ADDITIONAL LAYERS (16 datasets):

Name/Type of data	Area of interest	Provider
BACKSCATTERS		
Ireland 10m Backscatter Image	Bantry/Dunmanus (IRL)	GSI
BASEMAPS		
EMODnet Bathymetry	Europe	EMODnet Bathymetry
GEBCO 2014	Europe	GEBCO
Secchi Disk Depth statistics	Europe	COPERNICUS
DATA QUALITY AND SURVEY PLANS		
Sweden, Surveys fulfilling the National realization of S44	Sweden	SMA
Sweden, Surveys performed after 1940	Sweden	SMA
HABITATS MAPPING		
Italy Dune Cover	Italy	ISPRA
SEABED COVER		
Italy Bottom Type	Italy	ISPRA
Italy Seabed Cover	Italy	ISPRA
SEDIMENTS MAPPING		
Ireland Bantry 10m Seabed Classification	Bantry/Dunmanus (IRL)	GSI
Ireland INFOMAR Samples PSA	Ireland	GSI
Ireland Non INFOMAR Samples PSA	Ireland	GSI
Ireland Samples	Ireland	GSI
<i>Suitability of the survey technologies</i>		
CMP.Geo – Airborn Hyperspectral	Europe	ISPRA
CMP.Geo - Lidar	Europe	ISPRA
CMP.Geo - Multibeam	Europe	ISPRA



Annex 2: User feedback

Nothing to report.

Annex 3: Global website statistics

Period	Users	Sessions	Pageviews	Pages/session	Avg session duration
26/04/16-24/06/16	350	455	883	1.94	00:01:44

Country	Sessions	Pageviews	Pages/session	Avg session duration
France	135	256	1.90	0:02:57
United Kingdom	103	157	1.52	0:00:10
Italy	54	135	2.50	0:01:37
Spain	27	60	2.22	0:01:10
Iraq	18	18	1.00	0:00:00
Belgium	12	33	2.75	0:03:16
Ireland	12	19	1.58	0:02:37
Netherlands	12	16	1.33	0:00:11
Sweden	9	13	1.44	0:01:46
(not set)	9	9	1.00	0:00:00
Germany	7	9	1.29	0:00:05
Greece	7	22	3.14	0:02:07
Latvia	7	48	6.86	0:09:28
Portugal	6	16	2.67	0:00:27
Canada	5	8	1.60	0:10:05
United States	4	4	1.00	0:00:00

Luxembourg	3	5	1.67	0:00:17
Norway	3	5	1.67	0:00:11
Romania	3	4	1.33	0:03:55
Turkey	3	3	1.00	0:00:00
Cyprus	2	2	1.00	0:00:00
Australia	1	1	1.00	0:00:00
Brazil	1	1	1.00	0:00:00
Denmark	1	1	1.00	0:00:00
Ecuador	1	1	1.00	0:00:00
Estonia	1	2	2.00	0:00:51
Finland	1	3	3.00	0:01:38
Georgia	1	1	1.00	0:00:00
Jordan	1	3	3.00	0:00:45
Japan	1	3	3.00	0:02:47
Lithuania	1	3	3.00	0:00:50
Monaco	1	1	1.00	0:00:00
Philippines	1	1	1.00	0:00:00
Slovenia	1	18	18.00	0:04:09
South Africa	1	2	2.00	0:06:52

Service Provider	Sessions	Pageviews	Pages/session	Avg session duration
service hydrographique et oceanographique de la marine	59	92	1.56	0:02:07
worldline france hosting	43	102	2.37	0:04:35

voxility.net	38	38	1.00	0:00:00
(not set)	21	35	1.67	0:00:10
istituto superiore per la protezione e la ricerca ambientale	6	6	1.00	0:00:00
telefonica o2 ireland	6	9	1.50	0:01:14
xs4all internet bv	6	9	1.50	0:00:08
fastwb staff public subnet	5	8	1.60	0:00:12
ftip003194010 hydrographics department	5	13	2.60	0:01:07
infraestructura red y servicios ip	5	16	3.20	0:03:21
national maritime administration	5	9	1.80	0:03:10
rps	5	8	1.60	0:03:48
telecom italia s.p.a. tin easy lite	5	6	1.20	0:00:24
flanders marine institute	4	13	3.25	0:05:50
gp systems riga	4	36	9.00	0:10:50
pat/nat ip addresses pop 2302 for	4	4	1.00	0:00:00
telia network services	4	4	1.00	0:00:00
universita di trento	4	9	2.25	0:02:15
bsnic652 nice bloc 1	3	6	2.00	0:05:32
bt italia s.p.a.	3	7	2.33	0:05:06
eastlink hsi	3	4	1.33	0:08:48
pool for broadband dsl customers	3	10	3.33	0:06:10
sicilia e-innovazione s.p.a.	3	19	6.33	0:07:10
universita degli studi di trieste	3	4	1.33	0:00:08
addresses ip for home clients	2	3	1.50	0:00:12
alma mater studiorum universita di bologna	2	8	4.00	0:01:32
arcor ag	2	4	2.00	0:00:00
bellsouth.net inc.	2	2	1.00	0:00:00
bundesamt fuer seeschiffahrt und hydrographie	2	3	1.50	0:00:07
cable dynamic pool for nicosia east cmts 2	2	2	1.00	0:00:00
computer sciences corporation	2	2	1.00	0:00:00
consejo superior de investigaciones	2	5	2.50	0:01:15
dod network information center	2	4	2.00	0:00:00
fastalp s.r.l	2	13	6.50	0:03:06
ftip003180532 oil spill response ltd	2	2	1.00	0:00:00
institut géographique national	2	2	1.00	0:00:00

instituto hidrografico da marinha	2	11	5.50	0:01:05
instituto tecnologico geominero de espan~a	2	9	4.50	0:00:38
ip addresses assigned to dsl customers	2	2	1.00	0:00:00
ipv4 address block not managed by the ripe ncc	2	4	2.00	0:00:00
messagelabs limited	2	2	1.00	0:00:00
ministerio de defensa	2	2	1.00	0:00:00
orange	2	4	2.00	0:01:00
provider	2	6	3.00	0:00:40
psi line srl	2	2	1.00	0:00:00
psinet inc.	2	7	3.50	0:04:52
remote acces governance and public administration ministrie	2	2	1.00	0:00:00
ripe network coordination center	2	2	1.00	0:00:00
tecteo	2	2	1.00	0:00:00
telef nica brasil s.a	2	4	2.00	0:00:00
tim celular s.a.	2	4	2.00	0:00:00
universitaet hamburg campus net	2	2	1.00	0:00:00
vodafone telecel comunicacoes pessoais sa	2	2	1.00	0:00:00
wind telecomunicazioni s.p.a	2	25	12.50	0:08:17
adsl38	1	1	1.00	0:00:00
adsl9	1	1	1.00	0:00:00
allstream corp.	1	2	2.00	0:10:51
amazon.com inc.	1	3	3.00	0:00:00
at&t mobility llc	1	3	3.00	0:00:00
ayuntamiento de melilla	1	1	1.00	0:00:00
beijing gehua catv network co. ltd.	1	3	3.00	0:00:00
beijing xinshou technology co. ltd.	1	3	3.00	0:00:00
bmt cordah ltd - efm link subnet	1	2	2.00	0:10:55
bsbay651 bayonne bloc 1	1	2	2.00	0:00:05
bslyo658 lyon bloc 2	1	1	1.00	0:00:00
bsncy652 nancy bloc 2	1	3	3.00	0:01:19
bsnic653 nice bloc 1	1	2	2.00	0:01:17
bsren652 rennes bloc 1	1	2	2.00	0:01:04
bsren652 rennes bloc 2	1	1	1.00	0:00:00
bsren653 rennes bloc 1	1	1	1.00	0:00:00
bsrou652 rouen bloc 2	1	1	1.00	0:00:00

bt americas inc	1	1	1.00	0:00:00
bt-pawlan	1	1	1.00	0:00:00
bubito14-sl - cloudwifi	1	1	1.00	0:00:00
bundesamt fuer seeschiffahrt und hydrographie hamburg	1	1	1.00	0:00:00
capgemini france sas	1	1	1.00	0:00:00
carphone warehouse broadband services	1	1	1.00	0:00:00
cdc bedrijfsgroep iv sbo	1	1	1.00	0:00:00
charter communications	1	3	3.00	0:00:00
china mobile communications corporation	1	1	1.00	0:00:00
chinanet guangdong province network	1	1	1.00	0:00:00
claro s.a.	1	1	1.00	0:00:00
claro s/a	1	1	1.00	0:00:00
coditel sarl	1	1	1.00	0:00:00
cogent communications	1	1	1.00	0:00:00
comcast cable communications inc.	1	1	1.00	0:00:00
comcast cable communications ip services	1	1	1.00	0:00:00
commission europeenne	1	1	1.00	0:00:00
county of henrico	1	1	1.00	0:00:00
customers	1	1	1.00	0:00:00
daimler ag	1	1	1.00	0:00:00
dansk hydraulisk institut	1	1	1.00	0:00:00
dedibox sas	1	1	1.00	0:00:00
dinamic oran	1	1	1.00	0:00:00
embarq corporation	1	1	1.00	0:00:00
essilor international sa	1	1	1.00	0:00:00
european space agency (esa)	1	8	8.00	0:10:30
feroglio julia elena	1	1	1.00	0:00:00
france telecom espana sa	1	1	1.00	0:00:00
free mobile sas	1	1	1.00	0:00:00
ftip003339008 intergraph uk ltd	1	1	1.00	0:00:00
fundacion tecnalia	1	5	5.00	0:05:33
g 56 barcelona public network.	1	1	1.00	0:00:00
gazeta project services	1	1	1.00	0:00:00
geodetski institut slovenije	1	18	18.00	0:04:09
georgia institute of technology	1	1	1.00	0:00:00

global mobile operator	1	2	2.00	0:01:00
global village telecom	1	1	1.00	0:00:00
hellas on line s.a.	1	2	2.00	0:07:46
hellenic centre for marine research - athens	1	5	5.00	0:02:26
hrvatski telekom d.d.	1	1	1.00	0:00:00
hydro one telecom inc.	1	1	1.00	0:00:00
iinet limited	1	1	1.00	0:00:00
information society s.a.	1	3	3.00	0:00:44
infrastructure for fastweb s main location	1	1	1.00	0:00:00
institut mediteraneen de technologie	1	1	1.00	0:00:00
institute of marine biology of crete	1	1	1.00	0:00:00
instituto de investigacao	1	2	2.00	0:00:31
integon services corporation	1	1	1.00	0:00:00
ip addresses assigned to vf customers	1	2	2.00	0:00:18
iunet	1	1	1.00	0:00:00
ivent ministry of defence	1	2	2.00	0:01:22
japan network information center	1	3	3.00	0:02:47
jazztel triple play services	1	1	1.00	0:00:00
johann heinrich von thuenen- institut (vti)	1	2	2.00	0:00:21
jupiter telecommunications co. ltd.	1	1	1.00	0:00:00
koc.net security services	1	2	2.00	0:00:00
latvijas mobilais telefons sia	1	2	2.00	0:00:04
level 3 communications inc.	1	3	3.00	0:00:00
libya telecom & technology adsl pool	1	3	3.00	0:00:00
Input657 poitiers bloc 1	1	2	2.00	0:08:14
mci communications services inc. d/b/a verizon business	1	1	1.00	0:00:00
mci telecommunications	1	3	3.00	0:00:00
mega cable s.a. de c.v.	1	1	1.00	0:00:00
middle east technical university(metu)	1	1	1.00	0:00:00
mobile broadband isp	1	2	2.00	0:05:00
mobile end user terminals	1	3	3.00	0:00:00
mobistar sa	1	1	1.00	0:00:00

mod	1	1	1.00	0:00:00
moody s investors service	1	1	1.00	0:00:00
musgrave espa a s.a.u.	1	1	1.00	0:00:00
nas dhcp pool bologna	1	1	1.00	0:00:00
nas dhcp pool roma-pop2	1	4	4.00	0:01:02
national board of waters and the environment (net-y-network)	1	3	3.00	0:01:38
network_vismin_dsl_ip_pool	1	1	1.00	0:00:00
ntl internet	1	1	1.00	0:00:00
obs customer	1	1	1.00	0:00:00
oregon state university	1	1	1.00	0:00:00
ovh telecom	1	1	1.00	0:00:00
penteledata house account	1	1	1.00	0:00:00
planetek italia public subnet	1	1	1.00	0:00:00
pool for mobile data users	1	1	1.00	0:00:00
powercomm	1	1	1.00	0:00:00
pppox pool - bras6 mrdnct.082205-1801.613588	1	3	3.00	0:00:00
proxad / free sas	1	1	1.00	0:00:00
pt prime - solucoes empresariais	1	1	1.00	0:00:00
rcs & rds business	1	2	2.00	0:11:45
red de servicios ip	1	1	1.00	0:00:00
regione emilia romagna	1	1	1.00	0:00:00
reliance jio infocomm limited	1	2	2.00	0:00:00
reseau optique du campus de la doua	1	2	2.00	0:08:41
residential region centre	1	3	3.00	0:00:00
satellite service dynamic pool	1	1	1.00	0:00:00
shandong university at weihai	1	1	1.00	0:00:00
single static ip addresses	1	1	1.00	0:00:00
static ip	1	5	5.00	0:07:49
subnet 37.192.112-119 ethernet pool	1	1	1.00	0:00:00
t-systems italia	1	1	1.00	0:00:00
telconet s.a	1	1	1.00	0:00:00
telecom italia s.p.a.	1	1	1.00	0:00:00
telefonica o2 slovakia s.r.o.	1	1	1.00	0:00:00
telenet n.v. residentials	1	3	3.00	0:00:37
telia latvija sia	1	9	9.00	0:22:53
teo lt ab	1	3	3.00	0:00:50

the rand corporation	1	1	1.00	0:00:00
the university of plymouth	1	1	1.00	0:00:00
tiscali adsl go/plus gent	1	1	1.00	0:00:00
tno	1	1	1.00	0:00:00
tsi fuer dvz-datenverarb.zentrum m.-v.	1	1	1.00	0:00:00
tubitak mam	1	1	1.00	0:00:00
turksat uydu haberlesme kablo tv ve isletme a.s.	1	1	1.00	0:00:00
umniah lil-hawatef al-mutanaqelah co.	1	3	3.00	0:00:45
uninet s.a. de c.v.	1	1	1.00	0:00:00
universita degli studi di bologna	1	1	1.00	0:00:00
universitat de barcelona	1	6	6.00	0:01:12
universitat de les illes balears	1	1	1.00	0:00:00
universite paris1 pantheon - sorbonne	1	1	1.00	0:00:00
university of athens	1	5	5.00	0:02:35
university of kwazulu-natal	1	2	2.00	0:06:52
university of las palmas de gran canaria	1	2	2.00	0:03:00
university of latvia	1	1	1.00	0:00:00
university of victoria	1	2	2.00	0:13:08
upc polska sp. z o.o.	1	1	1.00	0:00:00
vcwc - dial platform	1	1	1.00	0:00:00
vdt 164/22 customers	1	1	1.00	0:00:00
verizon uk limited	1	1	1.00	0:00:00
vlaamse overheid	1	11	11.00	0:15:10
wind telecomunicazioni	1	1	1.00	0:00:00
xo communications	1	3	3.00	0:00:00
zeelandnet bv	1	1	1.00	0:00:00
zscaler inc.	1	2	2.00	0:00:07
zumtobel ag	1	1	1.00	0:00:00