



## EMODnet Coastal Mapping Project

Tender no MARE/2014/10

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

Tri-monthly Report

Reporting Period: 16/07/2017 – 15/10/2017

Date: 13/11/2017

## 1. Highlights in this reporting period

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

Since the signature of the 2nd amendment of the service contract, the reporting period is modified from bi-monthly to quarterly periods. Accordingly and in order to be aligned with the other EMODnet projects, the last progress report covered the period from end-February to mid-July 2017. So, this progress report covers for the first time a three-monthly period from mid-July to mid-October.

The project is in the maintenance period since the approval of the interim report in March 2017. So, the activity is currently mainly devoted to the promotion of the results.

Three papers were published by ISPRA under the project in the Journal of Coastal Research (see chapter 5).

On behalf of the coordinator, the WP3 leader participated in the 8th EMODnet Steering Committee meeting and presented the project results (14-15 September).

## 2. Specific challenges or difficulties encountered during the reporting period

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

Nothing to report.

### 3. Meetings held since last report [if any]

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

Date	Location	Topic	Short Description
14-15/09/2017	Roma (ITA)	Steering Committee meeting	[external] 8 <sup>th</sup> EMODnet Steering Committee meeting

### 4. User Feedback [if any]

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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]

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*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
Spring 2017	Scientific journal	3 articles in the Journal of Coastal Research, Special Issue 77	Papers linked to the Coastal Resilience

See annex 2 for details.

## 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
16/07/17-15/10/17	230	283	433

Country	Sessions	Pages/session
France	51	1.39
Italy	30	1.87
United Kingdom	28	1.36
Netherlands	26	1.96
Ukraine	25	1.00
Portugal	16	1.44
Belgium	14	1.64
Germany	14	1.50
Spain	13	1.23
United States	9	2.00

Service Provider	Sessions	Pages/session
ovh hosting inc.	25	1.00
service hydrographique et oceanographique de la marine	11	1.27

worldline france hosting	10	1.70
baltic sea research institute	7	1.43
chinanet sichuan province network	7	2.00
(not set)	6	1.33
flanders marine institute	6	2.17
ministerie van verkeer en waterstaat/rijkswaterstaat	5	1.00
universita degli studi di trieste	5	1.00
zeelandnet bv	5	1.80

## ***Annex 1: Datasets available through the portal***

These datasets are grouped in five categories: Coastline-Baseline, Topography&Bathymetry, Imagery, EMODnet and Additional Layers.

### **COASTLINE – BASELINE (11 datasets):**

Name/Type of data	Area of interest	Provider
<b><i>EEA Coastline</i></b>		
EEA Coastline	EU	EEA
<b><i>HIGHEST ASTRONOMICAL TIDE LEVEL</i></b>		
France coastline	France	SHOM
<b><i>INTERTIDAL AREA</i></b>		
Belgium Coastline	Belgium	MDK
Ireland Coastline	Ireland	GSI
Romania Coastline 1970	Romania	DDNI
<b><i>LEGAL BASELINE</i></b>		
Belgium Legal Baseline	Belgium	MDK
Greece Coastline	Greece	HNHS
Portugal Coastline	Portugal	IHPT
Romania Coastaline	Romania	DDNI
<b><i>MEAN SEA LEVEL</i></b>		
Coastline Crowdsourcing Results	Europe	Crowd
Sweden Coastline	Sweden	Lantmäteriet <sup>1</sup>

<sup>1</sup> : Swedish mapping, cadastral and land registration authority

### **TOPOGRAPHY & BATHYMETRY (30 datasets):**

Name/Type of data	Area of interest	Provider
<b><i>EMODNET BATHYMETRY DTM</i></b>		
Greece DTM	Greece	HNHS
<b><i>HIGH RESOLUTION DTM</i></b>		
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
Italy 1m DTM Ligurian Sea	Italy	IIM
Italy 1m DTM Sardinia	Italy	IIM
Netherlands 5m DTM LIDAR	Netherlands	RWS
Norway 10m DTM	Norway	NMA
Romania 5m DTM	Romania	DDNI
<b>LAND-SEA SEAMLESS DTM</b>		
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
Ireland 20m Shaded Relief Image	Ireland	GSI
Ireland 30m DTM	Ireland	GSI
Ireland 30m shaded Relief Image Donegal	Donegal (IRL)	GSI
Ireland 5m Coastal DTM Bantry & Dunmanus	Bantry/Dunmanus (IRL)	GSI
Ireland 8m Shaded Relief Image Bantry & Dunmanus	Bantry/Dunmanus (IRL)	GSI
Netherlands 20m DTM	Netherlands	RWS
Portugal DTM	Portugal	IHPT
Romania 500M DTM 1970	Romania	DDNI
<b>LOW RESOLUTION BATHYMETRY DTM</b>		
Baltic Sea 500m Shaded elevations	Baltic Sea	BSHC
Baltic Sea 500m Bathymetry watercolour	Baltic Sea	BSHC
<b>MEDIUM RESOLUTION DTM</b>		
France 100m DTM – Atlantic coast	France	SHOM
France 100m DTM - Corse	France	SHOM
France 100m DTM – Lion Gulf / Côte d’Azur	France	SHOM

**EMODNET (2 datasets):**

Name/Type of data	Area of interest	Provider
<b>EMODNET BATHYMETRY</b>		
EMODnet Bathymetry	Europe	EMODnet
<b>EMODNET HABITATS</b>		
EMODnet Seabed Habitats	Europe	EMODnet

**ADDITIONAL LAYERS (18 datasets):**

Name/Type of data	Area of interest	Provider
<b>BACKSCATTERS</b>		
Ireland 10m Backscatter Image	Bantry/Dunmanus (IRL)	GSI



<b>BASEMAPS</b>		
EMODnet Bathymetry with GEBCO 2014 (merged)	Europe	EMODnet Bathymetry/GEBCO
Secchi Disk Depth statistics	Europe	COPERNICUS
<b>DATA QUALITY AND SURVEY PLANS</b>		
Sweden surveys before 1940	Sweden	SMA
Sweden surveys after 1940	Sweden	SMA
<b>OPPORTUNITIES FOR DATA FUNDING</b>		
EU Strategies	Europe	CPMR
Interreg VA	Europe	CPMR
Interreg VB	Europe	CPMR
<b>HABITATS MAPPING</b>		
Italy Dune Cover 3m 2009 Sabaudia	Italy	ISPRA
<b>SEABED COVER</b>		
Italy Bottom Type 3m 2009 Montalto	Italy	ISPRA
Italy Seabed Cover 3m 2009 Montalto	Italy	ISPRA
<b>SEDIMENTS MAPPING</b>		
Ireland Bantry 10m Seabed Classification	Bantry/Dunmanus (IRL)	GSI
Ireland Samples	Ireland	GSI
Ireland Samples PSA	Ireland	GSI
Ireland Samples PSA Non INFOMAR	Ireland	GSI
<b>SUITABILITY OF THE SURVEY TECHNOLOGIES</b>		
CMP.Geo – Airborn Hyperspectral	Europe	ISPRA
CMP.Geo - Lidar	Europe	ISPRA
CMP.Geo - Multibeam	Europe	ISPRA

**IMAGERY (3 datasets):**

Name/Type of data	Area of interest	Provider
<b>AERIAL PHOTOGRAPHY</b>		
France Coastal Imagery	France	SHOM
Ireland Coastal Imagery 2006 Bantry & Dunmanus (merged)	Bantry/Dunmanus (IRL)	GSI
Romania 1m Orthophotos	Romania	DDNI

## ***Annex 2: Outreach and communication activities***

Articles published in the Journal of Coastal Research, Special Issue 77:

- ✓ Martinez, M.L.; Taramelli, A., and Silva, R.. 2017. Resistance and Resilience: Facing the Multidimensional Challenges in Coastal Areas. In: Martinez, M.L.; Taramelli, A., and Silva, R. (eds.), Coastal Resilience: Exploring the Many Challenges from Different Viewpoints. Journal of Coastal Research, 77, pp. 1-6.
- ✓ Taramelli, A.; Valentini, E.; Cornacchia, L., and Bozzeda, F., 2017. A hybrid power law approach for spatial and temporal pattern analysis of salt marsh evolution. In: Martinez, M.L.; Taramelli, A., and Silva, R. (eds.), Coastal Resilience: Exploring the Many Challenges from Different Viewpoints. Journal of Coastal Research, 77, pp. 62-72.
- ✓ Cappucci, S.; Valentini, E.; Del Monte, M.; Paci, M.; Filipponi, F., and Taramelli, A., 2017. Detection of natural and anthropic features on small islands. In: Martinez, M.L.; Taramelli, A., and Silva, R. (eds.), Coastal Resilience: Exploring the Many Challenges from Different Viewpoints. Journal of Coastal Research, 77, pp. 73-87.

### *Annex 3: Global website statistics*

Period	Users	Sessions	Pageviews	Pages/session	Avg session duration
16/07/17-15/10/17	230	283	433	1.53	00:01:06

Country	Sessions	Pageviews	Pages/session	Avg session duration
France	51	71	1.39	0:00:37
Italy	30	56	1.87	0:01:03
United Kingdom	28	38	1.36	0:00:07
Netherlands	26	51	1.96	0:02:53
Ukraine	25	25	1.00	0:00:00
Portugal	16	23	1.44	0:00:27
Belgium	14	23	1.64	0:03:05
Germany	14	21	1.50	0:01:06
Spain	13	16	1.23	0:00:15
United States	9	18	2.00	0:00:50
Greece	8	11	1.38	0:01:15
China	7	14	2.00	0:02:05
Ireland	5	8	1.60	0:01:39
Norway	4	4	1.00	0:00:00
Australia	3	6	2.00	0:09:38
Brazil	3	3	1.00	0:00:00
Finland	3	5	1.67	0:00:11
Estonia	2	5	2.50	0:03:42
Malta	2	2	1.00	0:00:00
Russia	2	4	2.00	0:07:49

Sweden	2	2	1.00	0:00:00
United Arab Emirates	1	1	1.00	0:00:00
Bulgaria	1	1	1.00	0:00:00
Denmark	1	1	1.00	0:00:00
Algeria	1	1	1.00	0:00:00
Faroe Islands	1	3	3.00	0:01:58
Croatia	1	2	2.00	0:01:20
Iran	1	1	1.00	0:00:00
Iceland	1	2	2.00	0:00:32
Japan	1	3	3.00	0:01:23
South Korea	1	5	5.00	0:02:35
Lithuania	1	1	1.00	0:00:00
Myanmar (Burma)	1	1	1.00	0:00:00
Romania	1	2	2.00	0:00:20
Turkey	1	1	1.00	0:00:00
Venezuela	1	1	1.00	0:00:00
(not set)	1	1	1.00	0:00:00

Service Provider	Sessions	Pageviews	Pages/session	Avg session duration
ovh hosting inc.	25	25	1.00	0:00:00
service hydrographique et oceanographique de la marine	11	14	1.27	0:00:56
worldline france hosting	10	17	1.70	0:00:16
baltic sea research institute	7	10	1.43	0:01:28
chinanet sichuan province network	7	14	2.00	0:02:05
(not set)	6	8	1.33	0:00:09
flanders marine institute	6	13	2.17	0:00:11

ministerie van verkeer en waterstaat/rijkswaterstaat	5	5	1.00	0:00:00
universita degli studi di trieste	5	5	1.00	0:00:00
zeelandnet bv	5	9	1.80	0:02:03
celeste sas	4	5	1.25	0:03:14
cpe customers nl	4	13	3.25	0:00:44
dynamic pools	4	5	1.25	0:00:15
amazon technologies inc.	3	3	1.00	0:00:00
direction interministerielle des systemes d information et de co	3	3	1.00	0:00:00
dutch organization for applied scientific research	3	7	2.33	0:04:14
fastwb staff public subnet	3	4	1.33	0:00:16
hellenic centre for marine research - athens	3	6	2.00	0:03:21
ip pools	3	3	1.00	0:00:00
stichting deltares	3	11	3.67	0:16:26
timico limited	3	3	1.00	0:00:00
ubo - universite de brest	3	3	1.00	0:00:00
vodafone portugal - comunicacoes pessoais s.a.	3	4	1.33	0:00:31
bsren652 rennes bloc 2	2	2	1.00	0:00:00
deutsche telekom ag	2	3	1.50	0:01:49
eircom limited	2	3	1.50	0:03:30
fundacion integra	2	3	1.50	0:00:17
hellas on line s.a.	2	2	1.00	0:00:00
institute for hygiene and epidemiology	2	2	1.00	0:00:00
instituto superior tecnico	2	2	1.00	0:00:00
istituto superiore per la protezione e la ricerca ambientale	2	2	1.00	0:00:00
jsc er-telecom holding samara	2	4	2.00	0:07:49

branch				
messagelabs limited	2	8	4.00	0:00:30
nos comunicacoes s.a.	2	2	1.00	0:00:00
services du premier ministre	2	6	3.00	0:00:59
sonic markets inc	2	4	2.00	0:00:22
suomen ymparistokeskus	2	4	2.00	0:00:16
telecom italia s.p.a.	2	15	7.50	0:07:58
telecom italia s.p.a. tin easy lite	2	3	1.50	0:02:01
telefonica de espana sau	2	2	1.00	0:00:00
university of hull	2	2	1.00	0:00:00
university of leeds	2	2	1.00	0:00:00
university of the highlands and islands	2	2	1.00	0:00:00
vlaamse overheid	2	4	2.00	0:21:03
vocus pty ltd	2	5	2.50	0:14:27
wind telecomunicazioni s.p.a	2	2	1.00	0:00:00
zscaler amsterdam ams2	2	2	1.00	0:00:00
adsl-pro	1	1	1.00	0:00:00
arteria networks corporation	1	3	3.00	0:01:23
asonet tallinn city2	1	1	1.00	0:00:00
bergen loddefjord norway	1	1	1.00	0:00:00
blue coat systems inc	1	6	6.00	0:05:42
british telecommunications plc	1	1	1.00	0:00:00
bsren653 rennes bloc 1	1	1	1.00	0:00:00
bsren658 rennes bloc 2	1	1	1.00	0:00:00
bulgarian academy of sciences network	1	1	1.00	0:00:00
cantv servicios venezuela	1	1	1.00	0:00:00
cilnet comunicacao e informatica ltda.	1	1	1.00	0:00:00
cnr - ismar sez. di ancona	1	3	3.00	0:00:43

coditel brabant sprl/bvba	1	1	1.00	0:00:00
comcast cable communications inc.	1	1	1.00	0:00:00
commission europeenne	1	1	1.00	0:00:00
commissione delle comunita europee	1	1	1.00	0:00:00
compelsove (hamilton rentals)	1	1	1.00	0:00:00
completel sas	1	1	1.00	0:00:00
consejo superior de investigaciones	1	1	1.00	0:00:00
consiglio nazionale delle ricerche	1	1	1.00	0:00:00
cranfield university	1	1	1.00	0:00:00
destiny n.v	1	1	1.00	0:00:00
dhcp customers nl	1	1	1.00	0:00:00
dial-up and adsl pool	1	2	2.00	0:00:29
dokuz eylul university	1	1	1.00	0:00:00
dsl	1	2	2.00	0:00:42
dvz meckl vorpommern	1	3	3.00	0:01:13
dynamic ip addresses	1	1	1.00	0:00:00
edp - energias de portugal s.a.	1	1	1.00	0:00:00
emirates telecommunications corporation	1	1	1.00	0:00:00
enpc	1	1	1.00	0:00:00
ertebat gostaran bina	1	1	1.00	0:00:00
ftip003376287 heriot watt university	1	1	1.00	0:00:00
garr-b backbone and pops	1	1	1.00	0:00:00
go p.l.c.	1	1	1.00	0:00:00
gprs pools	1	6	6.00	0:04:33
griffin internet leased line range	1	4	4.00	0:01:41
hartley anderson limited	1	1	1.00	0:00:00
houari boumediene s university of	1	1	1.00	0:00:00

science & technology network				
hrvatski telekom d.d.	1	2	2.00	0:01:20
hutchison 3g ireland.	1	1	1.00	0:00:00
infraestructura red y servicios ip	1	1	1.00	0:00:00
infrastructure for fastwebs main location	1	1	1.00	0:00:00
institute of cybernetics	1	4	4.00	0:07:25
instituto espanol de oceanografia	1	2	2.00	0:01:00
instituto hidrografico	1	1	1.00	0:00:00
internet subnet for mercator company	1	1	1.00	0:00:00
ip addresses assigned to vf dsl customers	1	2	2.00	0:03:22
ip addresses reserved to dsl subscribers	1	1	1.00	0:00:00
ipv4 address block not managed by the ripe ncc	1	1	1.00	0:00:00
it7 networks inc	1	4	4.00	0:00:55
klaipeda university	1	1	1.00	0:00:00
korea telecom	1	5	5.00	0:02:35
leidos inc.	1	1	1.00	0:00:00
lkf	1	1	1.00	0:00:00
london grid for learning trust	1	1	1.00	0:00:00
marine institute offices	1	1	1.00	0:00:00
marine research institute	1	2	2.00	0:00:32
multi - multimedia e informatica lda	1	1	1.00	0:00:00
nas dhcp pool genova	1	1	1.00	0:00:00
national maritime administration	1	1	1.00	0:00:00
normhost internet services	1	1	1.00	0:00:00
norsk institutt for vannforskning	1	1	1.00	0:00:00
nos madeira comunicacoes s.a	1	1	1.00	0:00:00



nos wi-fi powered by fon	1	2	2.00	0:01:04
o2 germany gmbh & co. ohg	1	1	1.00	0:00:00
ono_ngtv	1	1	1.00	0:00:00
orange mobile	1	3	3.00	0:01:42
orange spain network	1	1	1.00	0:00:00
pop lyon	1	1	1.00	0:00:00
pop poitiers	1	1	1.00	0:00:00
proxad / free sas	1	1	1.00	0:00:00
pt comunicacoes s.a.	1	1	1.00	0:00:00
rcs & rds residential	1	2	2.00	0:00:20
relaix networks gmbh	1	1	1.00	0:00:00
sarenet s.a.	1	2	2.00	0:01:42
scansafe services llc	1	1	1.00	0:00:00
spectrum internet client	1	1	1.00	0:00:00
steria ltd	1	1	1.00	0:00:00
strato ag	1	1	1.00	0:00:00
swansea university	1	1	1.00	0:00:00
swire seabed shipping as	1	1	1.00	0:00:00
tdc song as	1	1	1.00	0:00:00
tele2 consumer is one of the largest isp's in the netherlands	1	1	1.00	0:00:00
telecable	1	1	1.00	0:00:00
telecom italia mobile	1	1	1.00	0:00:00
telef nica brasil s.a	1	1	1.00	0:00:00
telemar norte leste s.a.	1	1	1.00	0:00:00
telenor myanmar	1	1	1.00	0:00:00
telia stofa a/s	1	1	1.00	0:00:00
the dublin institute for advanced studies	1	3	3.00	0:01:14
the ocean cleanup operations bv	1	1	1.00	0:00:00

u.s. geological survey	1	5	5.00	0:05:53
universidade de aveiro	1	1	1.00	0:00:00
universidade do minho	1	1	1.00	0:00:00
universit degli studi di ferrara	1	1	1.00	0:00:00
universita degli studi di pisa	1	1	1.00	0:00:00
universita degli studi di roma la sapienza	1	1	1.00	0:00:00
universita della calabria	1	4	4.00	0:00:46
university of las palmas de gran canaria	1	1	1.00	0:00:00
university of malta	1	1	1.00	0:00:00
university of turku	1	1	1.00	0:00:00
university of ulster at coleraine	1	1	1.00	0:00:00
vikmar p/f	1	3	3.00	0:01:58
wageningen universiteit	1	1	1.00	0:00:00
x2 communications limited	1	1	1.00	0:00:00