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: 26/12/2015 – 25/02/2016

Date: 09/03/2016

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 past experiences survey filling in by the partners and to the elaboration of an algorithm to help the coast survey planning. These two tasks will be documented in detail in the interim report next month. Moreover several datasets have been initialized on the portal, a survey dedicated to the vertical datum task has been filled in by the partners and several tasks of the WP3 are in progress.

The first version of the portal and of the project website have been publicly opened at the end of the last reporting period (23rd December) with some datasets. The data initialization has been continued during this period and the portal now gives access to several datasets grouped in four thematics (see Annex 1). Data initialization is a permanent task during the project; the portal will be continuously populated during the whole project duration.

The survey linked to the vertical datum issues has been filled in by almost all the partners (all the countries involved in the project are represented). The analysis is in progress but the discrepancies within Europe are already emphasized.

The survey elaborated in order to list and summarize past experiences in terms of coastal data acquisitions was validated on 22nd December, and has been filled in by most of the relevant partners during January and February. The results of the survey are used to develop an algorithm to help the coast survey planning at regional and transnational level (Coastal Mapping Planner – CMP). The elaboration of the CMP is still in progress and is based on a fuzzy logic decision system. The result of the survey on past experiences and the Coastal Mapping Planner will be presented and discussed by all the partners during the next project meeting (2-4 March) in order to be finalized and reported in the interim report (end of March).

The survey concerning economical models and governance of data has been completed during this period and the resulting information will be presented at the next project meeting (2-4 March) for clarification and extra information requests. Some other tasks have made significant progress during this period : study on sharing platforms, analysis of the current EU fundings (including research and transnational fundings) and development of a roadmap for the validation of the results of the project (including website, algorithm and governance and economic models).

The coordinator participated in the 4th IHO-EC Network Working Group meeting (18-19 January).

Regarding the withdrawal of one of the initial partners as was mentioned in the previous progress report, an official amendment request has been prepared by the coordinator and sent to EASME (received on 2nd February). The amendment was signed by EASME on 8th February.

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

The project officially started just before the summer period, during the very busy month of June for all the partners (Service Contract signature on 26th June 2015). This caused difficulties to prepare the past experiences survey which was opened only at the end of December 2015. The survey was supposed to be filled in by all the partners before the end of January 2016 but a lot of them had difficulties to fill them in in a efficient way because they had a lot of surveys to take into account, which needed to set up automated or half-automated procedure based on their databases.

Morever, the results of this survey are critical for the algorithm implementation and some sensitive information are hard to obtain (survey costs in particular). The difficulties will be discussed in the next progress meeting (2-4 March) in order to meet the interim report deadline. Anyway, the past experiences survey is still opened and the algorithm configuration will be finetuned during all the project duration.

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
18-19/01/2016	Saint Mandé (FR)	4th IENWG	[external] Presentation of the project update.

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
20/01/2015	Achilleas Iasonos	NOCS (UK)	Question about morphological data.	Same day.

This feedback is more detailed in annex 2.

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
18/01/2016	Presentation	EMODnet Coastal Mapping	Update on the project to the IENWG.

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 statistics start on 4th February 2016. As the downloading services are not yet available, the only statistics refer to the users'visits of the website.

6.1. Website global statistics

The statistics are more detailed in annex 3.

Period	Unique visitors	Number of visits	Pages
04/02/16-25/02/16	77	90	215

Country	Sessions	Pages/session
France	25	1.84
Italy	17	1.65
United Kingdom	13	2.00
Spain	8	4.00
Belgium	5	3.40
Greece	5	2.80
Bulgaria	2	1.50
Cyprus	2	4.50
Germany	2	4.00
Denmark	2	4.00

Service Provider	Sessions	Pages/session
service hydrographique et oceanographique de la marine	8	2.63
lait public subnet	6	1.83
atos worldline ipv4 subnet	3	1.67

customer allocation - internet service	3	1.33
vlaamse overheid	3	3.67
cable agia parskevi dynamic pool	2	4.50
concisa comunicacion marketing y servicios s.l.	2	1.00
cranfield university	2	1.00
dynamic pools	2	1.50
istituto superiore per la protezione e la ricerca ambientale	2	1.00

Annex 1: Datasets available through the portal

The datasets presented on the portal are not yet available for downloading, but they will be as soon as the Web Feature and Web Coverage Services are set up.

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

COASTLINE – BASELINE (5 datasets):

Name/Type of data	Area of interest	Provider
HIGHEST ASTRONOMICAL TIDE LEVEL		
France, Histolitt coastline	France	SHOM
INTERTIDAL AREA		
Ireland Coastline	Ireland	GSI
LEGAL BASELINE		
Greece Coastline	Greece	HNHS
Portugal Coastline	Portugal	IHPT
MEAN SEA LEVEL		
Coastal Mapping test	*For test*	*For test*
Sweden Coastline	Sweden	SMA

TOPOGRAPHY & BATHYMETRY (16 datasets):

Name/Type of data	Area of interest	Provider
EMODNET BATHYMETRY DTM		
Greece DTM	Greece	HNHS
HIGH RESOLUTION DTM		
Belgium Single Beam	Ireland	GSI
LEGAL BASELINE		
Greece Coastline	Belgium	MDK
LAND-SEA SEAMLESS DTM		
Belgium Lidar	Belgium	MDK
GRID_Bantry_Dunmanus_DTM_5m_LAT_VORF_WGS84	Bantry/Dunmanus (IRL)	GSI
Geotiff_Bantry_Dunmanus_DTM_8m_LAT_VORF_WGS84	Bantry/Dunmanus (IRL)	GSI
INFOMAR INSS 20m Bathymetry and LIDAR Shaded Relief NE	Ireland	GSI
INFOMAR INSS 30m Bathymetry and LIDAR	Ireland	GSI
INFOMAR INSS 30m Bathymetry and LIDAR Shaded Relief NE Donegal	Donegal (IRL)	GSI
Ireland Aerial LIDAR	Bantry/Dunmanus (IRL)	GSI

Ireland Coastal DTM MNT	Bantry/Dunmanus (IRL)	GSI
Portugal DTM	Portugal	IHPT
LOW RESOLUTION BATHYMETRY DTM		
Baltic Sea, BSDB Bathymetry elevations 500m median	Baltic Sea	SMA
Baltic Sea, BSDB Bathymetry watercolour 500m median	Baltic Sea	SMA
Baltic Sea, BSDB Bathymetry watershade 500m median	Baltic Sea	SMA
Sweden, Bathymetry 500m Min-depth	Sweden	SMA

IMAGERY (3 datasets):

Name/Type of data	Area of interest	Provider
AERIAL PHOTOGRAPHY		
INFOMAR_INSS.Aerial_LIDAR_By_2006_5M_WGS84	Bantry (IRL)	GSI
INFOMAR_INSS.Aerial_LIDAR_Ds_2006_3M_WGS84	Dunmanus (IRL)	GSI
Ireland Coastal DTM	Bantry/Dunmanus (IRL)	GSI

ADDITIONAL LAYERS (9 datasets):

Name/Type of data	Area of interest	Provider
BACKSCATTERS		
BS_BAN_DUN_10M_WGS84	Bantry/Dunmanus (IRL)	GSI
INSS/INFOMAR Seabed Survey_Backscatter 10M WGS84	Ireland	GSI
BASEMAPS		
GEBCO 2014	Europe	GEBCO
Minimap base layer	Europe	SHOM
DATA QUALITY AND SURVEY PLANS		
Sweden, Surveys fulfilling the National realization of S44	Sweden	SMA
Sweden, Surveys performed after 1940	Sweden	SMA
SEDIMENTS MAPPING		
INFOMAR Samples	Ireland	GSI
INFOMAR Samples Particle Size Analysis	Ireland	GSI
Non INFOMAR Samples Particle Size Analysis	Ireland	GSI
SC_BANTRY_DUNMANUS_10M_WGS84	Bantry/Dunmanus (IRL)	GSI

Annex 2: User feedback

-------- Message original --------

   Sujet: Re: An email from the Coastal Mapping website
   Date : Wed, 20 Jan 2016 16:36:04 +0000
      De :iasonos a. (ai2g15) <ai2g15@soton.ac.uk>
   Pour : Gaël Morvan <gael.morvan@shom.fr>
Copie à :iasonos a. (ai2g15) <ai2g15@soton.ac.uk>

Thank you for the guidelines much appreciate!

Cheers

From: Gaël Morvan <gael.morvan@shom.fr>
Sent: 20 January 2016 16:15
To: iasonos a. (ai2g15)
Subject: Re: An email from the Coastal Mapping website

 Dear Achilleas,

if I understand well, what you need is a DTM or bathy survey data as precise as possible on your area
of interest in order to depict signs of palaeo-coastlines or river channels.

Unfortunately, we will not have this kind of data on the Caostal Mapping portal near Cyprus in the next
future. I invite you to explore the EMODnet Bathymetry portal (http://www.emodnet-hydrography.eu)
which provide a 250m-DTM on European waters and also the link to the underlying data used to
produce this DTM. These datasets are referenced on the Common Data Index (CDI) which is directly
reachable by the bathymetry portal. If some datasets are of use for your purpose, the CDI will allow
you to request these datasets to the owners (shopping mechanism).

Hoping it will help!

Regards,

Gaël

Le 20/01/2016 16:15, iasonos a. (ai2g15) a écrit :

Thank you for your immediate response

My project aims to investigate the palaeo-coastlines of the Levant and if there were any palaeo-river channels emerging. The significance of such features can promote further the investigation of potential archaeology. By investigation this kind areas of scientific archaeological interest will enable me to re-evaluate the character of the maritime seascape environment of Cyprus. Any evidence of paleo-coastlines can help me to reconstruct a feasible model of pre-historic movement, animal migration, human visit and colonization, therefore this will enable me to give an accurate archaeological perspective of the area.

In addition i have to underline the i have requested data sets from plot 12 and i was granted an interview for tomorrow. Such evidence will enable me to re-evaluate the if the drilling in the plot 12 took into consideration any geological and archaeological features. Evidence of palaeo-coastline will enable me to reconstruct a archaeological and geological argument that places human and animal movement as the center of the scope. Bigger questions such as European movement and ethnography will be attempt to be addressed.

Thank you in advance Achilles

From: Gaël Morvan <gael.morvan@shom.fr>
Sent: 20 January 2016 14:09
To: iasonos a. (ai2g15)
Subject: Re: An email from the Coastal Mapping website

Dear Achilleas Iasonos,

I do not clearly understand what information you are looking for by sending this e-mail from the Coastal Mapping project website. Could you please clarify what you are expecting from us?

Regards,

Gaël Morvan
Coastal Mapping project coordinator

Le 20/01/2016 13:17, achilleas iasonos a écrit :

This email is behalf of the National Oceanographic Center of Southampton and Southampton University. I am currently working on my masters thesis (in maritime archaeology) and i want to reevaluate the
 the character of the marine environment of Cyprus a by taking an archaeological perspective via marine geo-data sets. My primary objective is to identify if the drilling procedures at plot 12 (Aphrodite) took into consideration the potential presence of any archaeological/geological features and any potential submerge structures.

Annex 3: Global website statistics

Period	Users	Sessions	Pageviews	Pages/session	Avg session duration
04/02/16-25/02/16	77	90	215	2.39	00:02:37

Country	Sessions	Pageviews	Pages/session	Avg session duration
France	25	46	1.84	0:00:57
Italy	17	28	1.65	0:01:55
United Kingdom	13	26	2.00	0:03:39
Spain	8	32	4.00	0:01:12
Belgium	5	17	3.40	0:17:15
Greece	5	14	2.80	0:01:52
Bulgaria	2	3	1.50	0:00:09
Cyprus	2	9	4.50	0:02:23
Germany	2	8	4.00	0:04:10
Denmark	2	8	4.00	0:01:11
Netherlands	2	8	4.00	0:01:59
Sweden	2	4	2.00	0:00:02
Lithuania	1	4	4.00	0:01:06
Morocco	1	3	3.00	0:01:28
Monaco	1	3	3.00	0:04:11
Portugal	1	1	1.00	0:00:00
Slovenia	1	1	1.00	0:00:00

Service Provider	Sessions	Pageviews	Pages/session	Avg session duration
service hydrographique et oceanographique de la marine	8	21	2.63	0:00:39
lait public subnet	6	11	1.83	0:05:08
atos worldline ipv4 subnet	3	5	1.67	0:00:13

customer allocation - internet service	3	4	1.33	0:02:09
vlaamse overheid	3	11	3.67	0:25:48
cable agia parskevi dynamic pool	2	9	4.50	0:02:23
concisa comunicacion marketing y servicios s.l.	2	2	1.00	0:00:00
cranfield university	2	2	1.00	0:00:00
dynamic pools	2	3	1.50	0:08:23
istituto superiore per la protezione e la ricerca ambientale	2	2	1.00	0:00:00
national maritime administration	2	4	2.00	0:00:02
telecom italia s.p.a.	2	2	1.00	0:00:00
telefonica de espana sau	2	5	2.50	0:01:43
universita degli studi di trieste	2	5	2.50	0:00:38
universita di trento	2	3	1.50	0:00:07
university of newcastle upon tyne	2	5	2.50	0:13:20
adsl_maroc_telecom	1	3	3.00	0:01:28
allseas delft	1	1	1.00	0:00:00
arcor ag	1	1	1.00	0:00:00
assignments for always-on services	1	1	1.00	0:00:00
baggermaatschappij boskalis b.v.	1	7	7.00	0:03:58
bmt cordah ltd - efm link subnet	1	1	1.00	0:00:00
bouygues telecom division mobile	1	3	3.00	0:00:31
bsmar656 marseille bloc 2	1	2	2.00	0:00:15
bsnic651 nice bloc 2	1	1	1.00	0:00:00
bsorl652 orleans bloc 2	1	1	1.00	0:00:00
btc broadband service	1	2	2.00	0:00:18
bulgarian academy of sciences network	1	1	1.00	0:00:00
bundesamt fuer seeschiffahrt und hydrographie	1	7	7.00	0:08:19
carphone warehouse broadband services	1	3	3.00	0:01:46
comendo intrastructure glostrup	1	6	6.00	0:01:17
commission europeenne	1	4	4.00	0:08:24
evergy s.a.	1	3	3.00	0:03:30
flanders marine institute	1	2	2.00	0:00:29

fundacion tecnalia	1	3	3.00	0:00:29
geologijos tarnyba	1	4	4.00	0:01:06
hellas on line sa - dsl	1	7	7.00	0:03:03
hutchinson	1	1	1.00	0:00:00
incubateur-ntic	1	1	1.00	0:00:00
institut francais de recherche pour l exploitation de la mer - i	1	3	3.00	0:00:14
institut mediteraneen de technologie	1	1	1.00	0:00:00
instituto tecnologico geominero de espan~a	1	6	6.00	0:02:43
kthmatologio sa	1	1	1.00	0:00:00
marine ecological surveys ltd	1	3	3.00	0:09:16
ministrstvo za notranje zadeve	1	1	1.00	0:00:00
monaco-telecom	1	3	3.00	0:04:11
multiprotocol service provider to other isp s and end users	1	2	2.00	0:02:46
nas dhcp pool tatanto	1	1	1.00	0:00:00
nerc computer services	1	6	6.00	0:03:20
northern ireland civil service	1	1	1.00	0:00:00
obs customer	1	1	1.00	0:00:00
plusnet technologies ltd	1	1	1.00	0:00:00
pool for broadband dsl customers	1	1	1.00	0:00:00
red de supercomputacion de galicia	1	15	15.00	0:03:00
reseau canope	1	1	1.00	0:00:00
tdc bb-adsl users	1	2	2.00	0:01:04
telecom italia s.p.a. tin easy lite	1	3	3.00	0:00:21
tiscali france	1	1	1.00	0:00:00
umts company	1	1	1.00	0:00:00
universidade do algarve	1	1	1.00	0:00:00
universitat de les illes balears	1	1	1.00	0:00:00