EMODNET 3 BATHYMETRY

TOWARD A SUSTAINABLE AND EFFICIENT PROCESS

Preliminary projects & EMODnet

Funded by 7th Frame Work (Programme for EU Research)
1/ Sea Data Net, 2006-2011, 6 M€
2/ Geo Seas, 4.9 M€

Funded by DG Mare programme
3/ EMODnet 1, 2009-2011, 3.45 M€ (bathymetry 0.975 M€)
4/ EMODnet 1bis, 2010-2013, bathymetry 1.2 M€
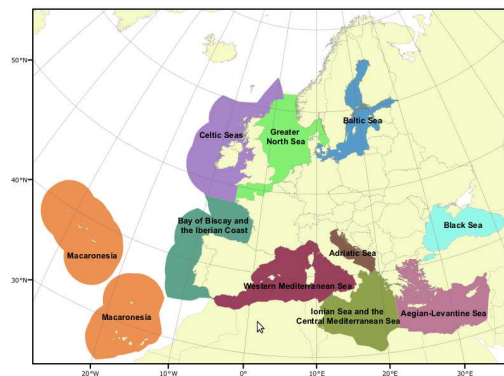5/ EMODnet 2, 2013-2016, (bathymetry 2.0 M€)

EMODnet, results & shortfalls

+ Digital terrain model

Over European waters

+ free access, upload and usage

- Quality assessement, quality control improvable

Seamless coverage European waters

DG Mare views on EMODnet

1/Marine knowledge green paper (28/08/2012)

(5.2: …operational capability …. Sustainable process…

2/interim evaluation of EMODnet (29/08/2012)

(page i: …it does make sense for future investors to measure all parameters themselves if somebody has already done it…)

3/Marine knowledge roadmap (08/05/2014)

…sustainable process… who is reponsible for data collection when they have many purposes?…

4/ European maritime and fisheries fund (15/05/2014)

Art 81-83: …initiatives to co-finance actions through cooperation…

5/ Annual work programme 2015 (18/12/2014)

Actions 1.3.1.3 and 1.3.1.7

1.3.1.7. High resolution seabed mapping

Subject matter of the contracts envisaged	Up to now the EU's seabed mapping initiative has focused on providing access to low resolution (approximately 250 metres) seabed mapping over European waters. However, many surveys map the seafloor at a much higher resolution. The aim of this contract is to provide access to the underlying survey data, to construct digital terrain models based on these surveys at the resolution at which the data had been captured, and to make the digital terrain models freely available through an internet portal or through machine to machine interfaces. The European seabed map will therefore allow scientists and engineers (including in administrations) to access these data and to progressively increase its coverage as more surveying is completed. The easy use and sharing of these data should be ensured from the outset.
Type of contract	Service contract
Indicative Budget	€ 5.100.000

Implementation	This action will be implemented by EASME
Indicative timetable	Call for tender to be published in the 2nd quarter of 2015

IHO view on Emodnet: Oostende statement

- *1/The IHO considers the development of Emodnet as the best driver for Marine Knowledge 2020.*
- *2/ The IHO is committed to support this programme in the long term*
- *3/ The IHO will provide sustainable operational solutions with appropriate accuracy and updating mechanisms through current IHO regional structures and approaches*
- *4/The IHO strongly recommends the use of relevant international standards such as ISO, IHO and Inspire compatible standards within Emodnet*

Common goal

Duplication of effort is avoided DTMs available are of best quality

How to reaching the goal

**Each Member State,
or group of Member States
inside a Regional Hydrographic
Commission,
is responsible for the DTM
it elaborates
and make available to the users.**

Technical requirements

1/ ensure seamless continuity

2/ ensure updates at a period to be defined

3/ establish a portal which

- **1/ ensure liaison with other themes of EMODnet**
- **2/ ensure common access to the DTM so as it is seen as a <u>single DTM</u> by the users**

4/ Plan and perform new surveys tofill in the gap

Make more for the other themes

HOs official data

Maritime boudaries

Sedimentology, tides prediction, tidal streams

Physical oceanography

Added value of EU:

Ensure continuity,
So as to be seen as single set by the users