



Coastal Mapping

*Bathymetry in shallow water
TOWARD A EU STRATEGY?*

Brussels Sept 2016
Coastal Mapping Consortium

ACQUISITION OF *HIGH RESOLUTION* COASTAL BATHYMETRIC DATA

DRAFT

TOWARD A EUROPEAN STRATEGY TO DELIVER BLUE GROWTH

**The bathymetric data in coastal zones:
A common basis for the coastal
and maritime policies (integrating interface)
A chance for innovation in blue growth**

How could a JECMAP be run?

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Three axes

- AXIS 1: Set up coordinated programmes for data acquisition at maritime basin scale,
- AXIS 2: Increase the possibilities for bathymetric data acquisition in the framework of the EU operational programmes and funds,
- AXIS 3: Promote the production of usable bathymetric data for maritime policies by different categories of coastal users and from multiple sources.

AXIS 1

Cooperation programmes for data acquisition

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Organised at the scale of maritime basins, taking into account the scale of IHO geographical commissions

Co-financed by the states, the Regions and EU's relevant funds (EMFF, ERDF, H2020)

- Proposition to design programmes both at the scale of maritime basins AND by technology/platform keeping up with the algorithm teachings and the knowledge developed by the relevant organizations
- Governance of these programmes; by EU public organization, considering bathymetric data as a public service

AXIS 1 - AGENDA

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Cooperation programs for data acquisition

Organised at the scale of the (EU) maritime basins (IHO commissions areas)

Co-financed by the states, the Regions and EU's relevant funds (EMFF, ERDF, H2020),

=> *Coastal Mapping 2 ?*

- Organization of the Governance (strategic and operational);
=> EU public organization around the General Interest Service Status
See http://ec.europa.eu/competition/state_aid/overview/public_services_en.html
2 Scenarii:
 - An existing structure is modified; One year necessary - 2017
 - A new organisation is built ; 2017- Mid 2018
- In parallel, design of acquisition programs at the maritime basins level to be approved by the different DGs and the Member States, Regions...,6 months in 2017

AXIS 2

Increase the possibilities for coastal bathymetric data acquisition in the framework of the Interreg programs

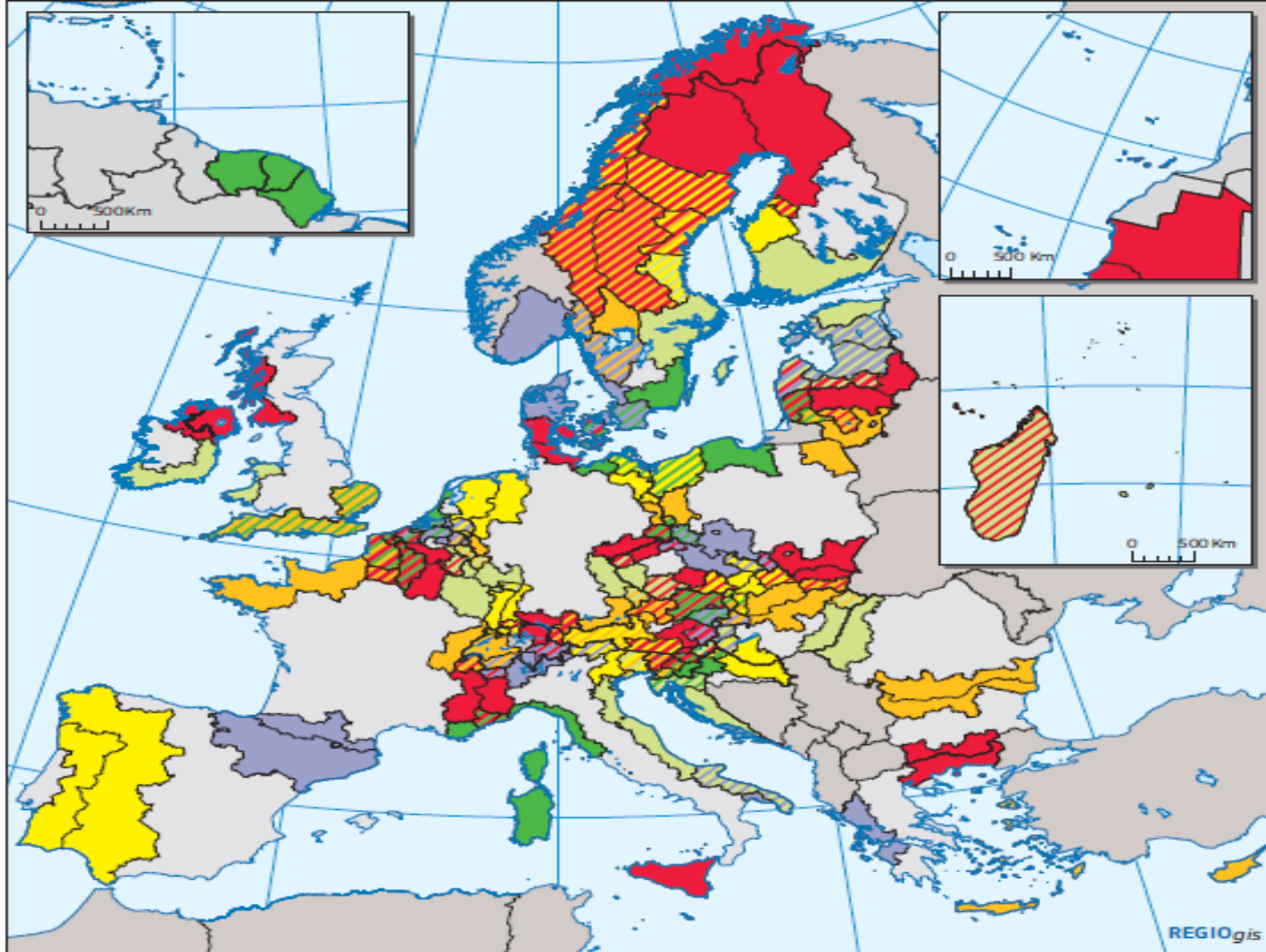
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- Promoting the legitimacy of coastal bathymetric data production as necessary condition to develop every maritime policies, covered by the 5 first EU funding priorities (of 11 ones),
- Reaffirming that the coastal zone is a high-risk strategic zone for climate change issues and that it requires a lot of knowledge and data to deal with extreme climatic events;
- Explaining that a lot of marine bathymetric data produced in the EU projects suffers a lack of visibility, common standards and mutualisation (EMODNET). Therefore, this data is lost *leading to a waste of energy, finances and data*
- Promoting the use of international standards for data production funded by EU funds (link with the HOs)
- Promoting the obligation of pooling these data in the EMODNET database
- Promoting the obligation for the competent offices of the Member States to validate the data before they are pooled in EMODNET (link with IENWG)
- Developing campaigns in homogeneous areas, sharing platforms and funds from the EU programs, (*cf financial CPMR tool*)

Questions regarding the Mapping

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It is possible to add some programmes to the mapping, would you like to add one in particular?



Interreg opportunities for Coastal Mapping map:

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**[https://www.google.com/maps/d/viewer?
mid=10s6nnSbI7-IAGvdIYYqTgNK3mgI](https://www.google.com/maps/d/viewer?mid=10s6nnSbI7-IAGvdIYYqTgNK3mgI)**



AXIS 2 AGENDA (1/2)

Increase the possibilities for coastal bathymetric data acquisition in the framework of the Interreg programs

Sept-Oct 2016 ;

- Presentation of the argumentation to the concerned DGs by the coordinator and the CPMR

Oct 2016 ;

- Presentation during the Open Days (13th october 11-13h30 Committee of Regions Brussels)
- Meeting with EU HOs (about international standards, validation of data, common acquisition)

Oct-Nov 2016 ;

Presentation to major transnational secretariat of EU programs in order to find a way to ;

- Increase recognition for the benefit of producing bathymetric data in the EU programs
- Implement the dissemination and use of international standards (IHO) for bathymetric coastal data production funded by INTERREG and EU funds
- Promote the validation of these data by the competent services in each Member State, before they are pooled in the EMODNET portal
- Create an obligation to pool them in the EMODNET database

Dec 2016 ;

- Presentation of these results to the DG MARE and other DGs during the last Coastal Mapping meeting ; 8 December

Jan-Feb 2017;

- Stakeholders meeting to present the results and prepare the next step with the persons responsible for coastal mapping organisations, parliamentarians (Searica), DGs

AXIS 2 AGENDA (2/2)

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Increase the possibilities for coastal bathymetric data acquisition in the framework of the Interreg programmes

Coastal Mapping 2 (?) and 2017-2021 period

*Promoting coastal bathymetric data acquisition in the context of the next mid-term re-orientation (2017-2018) in the EU or regional programs and preparing the next financial period (2021-2027);

- in order to comply with the EU priorities, highlight the need to do EU funded acquisition of bathymetric data on coastal zone, involving the public organisations responsible in Member States

-undertake the necessary modifications inside the operational programs for the current period and prepare the next one with; obligation to use standards, teaching of these standards in the MS, validation of data by HOs, implementation of these data on the EMODNET portal, modification of potential applicants if necessary

*Promotion and development of model campaigns in homogeneous areas corresponding to the EU programs, with sharing of platforms, funds, and administrative engineering

AXIS 3

DRAFT Community sourcing

- » Promoting the production of usable bathymetric data for maritime policies, coming from different sources
- » Organising training and dissemination of data acquisition standards, (HOs)
- » Organising the validation of these data by the HOs of EU Member States (link with EMODNET “ingestion and safe keeping of marine data)
- » Evaluation of the gaps in the EU coastal seabed mapping, in order to address them via community sourcing
- » Promoting the link between the EU and the IHO works

AXIS 3 **AGENDA**

Promote the production of usable bathymetric data for maritime policies,

Links with axis 2

Oct 2016

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Evocation of the different actions undertaken by EU and IHO

Dec 2016 and Feb 2017

- Proposition of joint actions for organising training and diffusion of standards, (common with a second phase of Coastal mapping?)

2017

- Cooperation with DG MARE for designing the MOOCs trainings, and the e-learning, translation of the standards ...
- A representative of EMODNET in IHO WG for interoperability of the databases and coordination of actions (?)

2017-2018

- Coordination between HOs and EU through IENWG and under the umbrella of CM2, deployment of the learnings thanks to EU Funding
- Organising the validation of these data by the HOs of EU Member States (link with EMODNET “data ingestion” project)
- Evaluation of the gaps in the MS in order to address them via multisourcing promoting the link between the EU and IHO works