



European Programme for Hydrographic Knowledge 2020

HOs capabilities: *what are they?*

Responsibilities (varies from country to country):

- ***Operation of hydrographic services (surveying, charting, tidal and water level forecasting, nautical warning services) as mandated under international law by the SOLAS Convention for maritime safety***
 - *Includes electronic charting, marine GIS*
- ***Administration of national EEZ***
- ***Marine spatial planning***
- ***Marine meteorology (cooperation with WMO)***
- ***Oceanography, National Oceanographic Data Centre (cooperation with IOC)***
- ***Marine environmental monitoring***
- ***Aids to navigation (cooperation with IALA)***
- ***Search and Rescue, Coast Guard***
- ***Maritime security***
- ***Capacity building***

Core competence of HOs is collecting data about the sea, and providing related data services to shipping (merchant and Navy) and all other customers, e.g. for coastal zone administration, commerce and marine industry



European Union Policies, Directorate General, Programmes, Funds

Within Multiannual Financial Framework 2014-2020

DG Mare

DG Move

DG Clima

DG Env

Integrated Maritime Policy

TenT, waterborne

Climate adaptation

Inspire

Others relevant policies ?

**Marine Knowledge 2020
(Emodnet & Copernicus)**

Horizon 2020

Life

Others relevant programmes ?

ERDF

EMFF:6,5 Mds €

Horizon 2020

Life+



Hydrographic Offices to respond EU needs, which strategy ?

Report on last meeting Brussels 5 April 2013

1/NSHC TWL WG: European common water level reference surface
(see item E on the agenda)

2/Study on

European Programme for Hydrographic Knowledge 2020,

3/Coastal mapping (see item D1 on the agenda)

4/Dynamics of marine sandwaves (Marid conference + ongoing
conference in Arcachon, coastal dynamics)

5/Implementation of Inspire in maritime domain (way ahead to be defined)



European Programme for Hydrographic Knowledge 2020

Some areas are satisfactorily surveyed, some other ones are not

In some areas there are well known state of hydrographic knowledge and a well managed programme of hydrographic surveys

In some other ones it is hard to get homogenous assessment on state of knowledge

Despite the zeal of Member States Hos, some Regional Hydrographic Commission have not sufficient ressources or willingness to build up common programmes

When European Union promotes blue growth and Member States support Integrated Maritime Policy, overall state of hydrographic knowledge does not meet everywhere the needs



Need for European Programme for Hydrographic Knowledge 2020

It should

-take into account existing know-how

**in building and managing programmes of surveys
(Helcom Baltic Sea programme of surveys, French
national programme of hydrography, and other national
or regional programmes)**

**in programming resurveys in moving depth, taking into
account traffic, rate of displacement of marine dunes**

-get the support of EC and Member States

-contribute to Marine Knowledge 2020



Need for European Programme for Hydrographic Knowledge 2020

1/National coordinated plan programme of surveys primarily for safety of navigation

2/HO discuss together in order to ensure coherence in the most important sea areas

3/programmes take mainly Marine knowledge 2020 into account

To propose a study how to improve programmes to better respond to Marine knowledge needs



Which European Programme for Hydrographic Knowledge 2020

What should be the scope of this programme

- which sea area, including overseas area, and maybe other areas of European interest,**
- should it be seen as a whole or as a group of regional programmes**
- which type of data, bathymetric, hydrology, sedimentology, streams**
- process the data to which extent**

What would be the funding

- which involvement of European Commission**
- which involvement of Member States**

How should it be managed

What should be the role of IHO, EC in its high level management



Study on European Programme for Acquisition of Hydrographic Knowledge

Why a study

- give response to questions regarding the scope with adequate consensus
- give confidence to Member States and European Commission in evaluation of costs and time
- check to what extent proven programming methodologies (in the Helcom frame) could be used in other areas or other Regional Hydrographic Commission
- how to ensure adequate methodology transfer between RHCs
- which time frame

How a study

- define pilot areas to choose in order to validate methodologies in various sea areas
- involvement from Member States
- which financial support from DG Mare
- define body to support DG Mare in evaluating results of the study

Next step: proposal for a study to DG Mare



***Do not forget
overseas territories
other areas of possible
European interest***

