

# **IHO European Network**

Plenary Session
27th Feb, French RP, Brussels

Γ KIND OF ACQUISITION PROGRAM BY BASIN?



# Design of acquisition programs and strategies at maritime basin level

rst approach by basin

nks with EU's maritime basins strategies

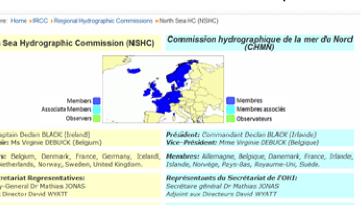
nks with Eu ERDF programs

ther links to be done (H2020, MOVE, Grow...)

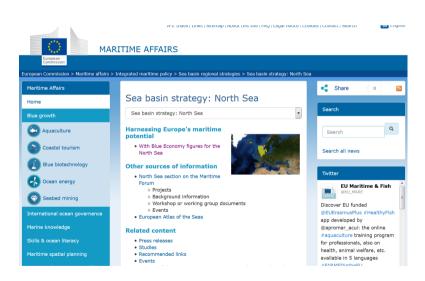
TKIND OF ACQUISITION PROGRAM BY BASIN?



### **NSHC** (Thomas Dehling Germany )







https://ec.europa.eu/maritimeaffairs/policy/sea\_basins/north\_sea\_en

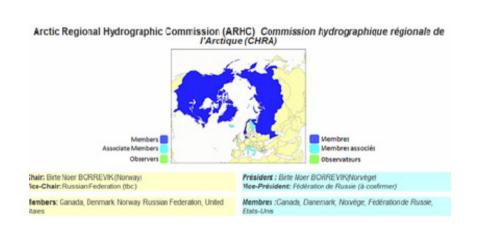
h Sea is a marginal sea of the Atlantic Ocean located between Great Britain, via, Germany, the Netherlands, Belgium, and France. An epeiric (or "shelf") sea







#### **ARHC** (Jens Peter Weiss Hartmann; Denmark)





https://ec.europa.eu/maritimeaffairs/policy/sea\_basins/arctic\_ocean\_en



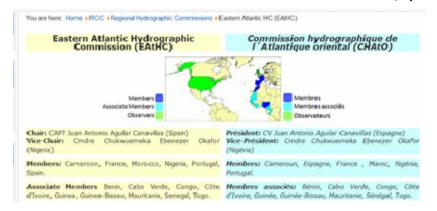
http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=JOIN:2016:0021:FIN

Eight states have territories in the Arctic: Canada, the Kingdom of Denmark , Finland, Iceland, Norway, Russia, Sweden and the United States. Three EU Member States are therefore also Arctic states, while Iceland and Norway are members of the European Economic Area .





### **EAtHC**, (Corine Lochet France)





https://ec.europa.eu/maritimeaffairs/policy/sea\_basins/atlantic\_ocean\_en

#### http://www.atlanticstrategy.eu/en/contact/the-support-team





The Support Team is operating through five National Units which are based in France, Ireland, Portugal, Spain and United the Kingdom.

The National Units are coordinated by a Brussels-based central management team which also runs this website dedicated to foster cooperation with the stakeholders.

12.03.18

#### WHAT KIND OF ACQUISITION PROGRAM BY BASIN?



## **Atlantic action plan**

#### Priority 2: Protect, secure and develop the potential of the Atlantic marine and coastal environment

- exploring and protecting marine waters and coastal zones
- Developing a European Atlantic ocean observing and predictive capability, based on existing structures, platforms and mechanisms to support the implementation of EU policies, reduce costs for industry, public authorities and research institutions, stimulate innovation and reduce uncertainty in the behaviour of the Atlantic ocean and the impact of climate change by:
- using existing systems and mechanisms to develop and maintain a sustainable integrated programme for surveying and observing the coasts, seabed and water column, covering the waters of EU Member States, Outermost Regions and Overseas Countries and Territories from the coasts to the deep ocean;
- developing new instruments and platforms for ocean observation and ecosystem monitoring (including seabed mapping) that increase the number of parameters that can be measured automatically, lower the costs of observation and accelerate the dissemination of data to users;
- contributing to a more effective stewardship, cataloguing and distribution of interoperable marine data and a multi-resolution seabed map through contributions to a European Marine Observation and Data Network;
- developing a network of coastal oceanographic forecasting systems (including risk assessments) that build on the Copernicus marine service.
- PROPOSITION OF LINKS BY NATIONAL CONTACTS AND BRUSSELS ONE

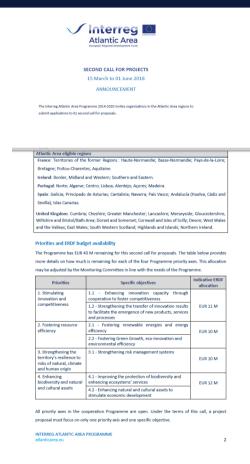






ATLANTIC AREA PROGRAMME 2014-2020

**Approved Cooperation Programme** 



(-) C 0 □ A https://www.google.com/maps/6/viewer/mid+tOutenf367-UACvdWigTsNKImg668-41. 0 Atlantic 4362011 for Adaptation to climate change measures and prevention and management of climate related risks e.g. erosion, fires, flooding, storms and drought, including awareness raising, civil protection and disaster management systems and infrastructures. 10905028 for Risk prevention and management of nonclimate related risks. The programme offers significant opportunities for coastal mapping and data with its Priority Axis 3: Strengthening the Territory's resilience to risks of natural, climate and human origin. The Specific Objective 3.1: Strengthening risk management systems can support actions such as Networking of technical and scientific resources available in the European Atlantic Area (joint production of data on the evolution of the coastline to facilitate its measurement along the Atlantic coast, based on comparable data). Development of capacity building initiatives directed at actors involved in managing and preventing risks, Dissemination of data and risk management tools or Promote the interlinking of regional, coastal and ocean observation and maritime safety and coastal structures and their

The programme offers significant opportunities for coastal mapping and data with its Priority Axis 3: Strengthening the Territory's resilience to risks of natural, climate and human origin.

North Regional Coordination and Development Commission (CCDR-N), based in Porto, Portugal, is the Programme Managing Authority. Fr Director

WHAT KIND OF ACQUISITION PROGRAM BY BASIN?



#### **POCTEP**



El Espacio Transfronterizo de España-Portugal :

**España**: Ourense, Pontevedra, Zamora, Salamanca, Cáceres, Badajoz, Huelva, A Coruña, Lugo, Ávila, León, Valladolid, Cádiz, Córdoba y Sevilla.

**Portugal**: Alto Minho, Cávado, Terras Tras-os-Montes, Douro, Beiras e Serra de Estela, Beira Baixa, Alto Alentejo, Alentejo Central, Baixo Alentejo, Algarve, Ave, Alto Tâmega, Tâmega e Sousa, Área Metropolitana do Porto, Viseu Dão-Lafões, Região de Coimbra, Médio Tejo, Região de Aveiro, Região de Leiria, Oeste y Alentejo Litoral.

Una de las prioridades; Promover la adaptación al cambio climático en todos los sectores, y más particularmente, promover el aumento de resiliencia territorial para los riesgos naturales transfronterizos.

Ex; Marrisk project; Obter um sistema de informação georreferenciado que **permita selecionar áreas de intervenção e uma gestão sustentável**, cuidadosa e célere das zonas húmidas do Alentejo, Algarve e Andaluzia









Axe 2 : Promouvoir l'adaptation au changement climatique ainsi que la prévention et la gestion des risques

PI 5a: vise à améliorer l'adaptation des territoires au changement climatique

PI 5b: vise à augmenter la capacité d'anticipation et de réponse des acteurs du territoire aux risques spécifiques et à la gestion des catastrophes naturelles.

MAREA Project; refine local previsions for waves and submersion *no link with Shom* Réaliser un levé bathymétrique par petits fonds à proximité de la plage,

Installer deux capteurs nearshore au large de la plage respectivement à 10 m et 20 m de profondeur pour une durée de 3 mois,

Déployer les 10 capteurs onshore, mesurant l'énergie des vagues, la vitesse et la direction

des courants,



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**EMODnet Coastal Mapping - Final Report** 

Proposed EU strategy for acquisition of High Resolution Coastal Bathymetric Data

#### HIGH RESOLUTION BATHYMETRIC DATA FOR INTEGRATED MARITIME POLICIES IN THE EU COASTAL ZONES

#### 1 First evaluation of the gaps

The implementation of the coastal and maritime integrated policies needs high resolution (HR) bathymetric data to allow the different users to develop their activities, taking into account the necessity of preservation of coastal ecosystems and habitats. For the needs of Maritime spatial planning, integrated coastal management, sustainable development, it is clearly established by stakeholders experiences, that normalized, verified, high resolution bathymetric data is mandatory for the coastal management.

Regions to be surveyed	Area of interest (depths)	Already surveyed (km²)	To be surveyed (km²)
Nord-Pas-de-Calais	0 to 5m (Lidar)	15 (MBES)	335
	5m to 30m (MBES)	115 (MBES)	2165
Normandie-Picardie	0 to 5m (Lidar)	35 (MBES)	2055
	5m to 30m (MBES)	640 (MBES)	6945
Bretagne	0 to 20m (Lidar)	2075	3870
	20m to 30m (MBES)	(Lidar/MBES) 390 (MBES)	2405
Pays-de-Loire	0 to 10m (Lidar)	55 (MBES)	1670
	10m to 30m (MBES)	200 (MBES)	2310
Poitou-Charentes	0 to 5m (Lidar)	5 (MBES)	965
	5 to 30m (MBES)	0	1580
Aquitaine (including Gironde mouth)	0 to 20m (Lidar)	20 (MBES)	1445
	20 to 30m (MBES)	20 (MBES)	1360
Total	Lidar		10340
	MBES		16765

For France, in Brittany, Aquitaine, Shom is trying to finance acquisition with ERDF EU Funds for one part (30%), State budget, (50%), Shom budget 20%

Would it be possible to do acquisition for re-actualization of Finistere and do the Pays de Loire coastal zone?

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### MBSHC (Erik Biscotti Italy),



https://ec.europa.eu/maritimeaffairs/policy/sea basins/mediterranean sea en

#### Mediterranean Sea basin

Mediterranean Sea basin

Though the Mediterranean Sea is bounded by over 20 countries, much of it lies outside national jurisdictions. Cooperation is therefore essential to

- manage maritime activities,
- protect the marine environment & maritime heritage
- · prevent & combat pollution
- improve safety & security at sea
- · promote blue growth & job creation.

In the Mediterranean region, the integrated maritime policy is designed to improve cooperation and governance while also encouraging sustainable growth. It encompasses the following:

- The Working Groups for Integrated Maritime Policy in the Mediterranean, involving all the countries bordering on the Mediterranean and regional organisations, which meet annually.
- Tripartite cooperation between the European Commission's Directorate-General for Maritime Affairs and Fisheries, the European Investment Bank and the International Maritime Organisation to develop maritime sectors in the Mediterranean, especially in the EU's southern partner countries. Following up this cooperation and the 12th FEMIP Conference, the 3 are working together with the secretariat of the Union for the Mediterranean and the countries concerned, on key ideas including

#### TKIND OF ACQUISITION PROGRAM BY BASIN?



#### strategy: Black Sea

egy: Black Sea

pordered by 6 countries abers Bulgaria and eve coherence and better ng key sectors of their he European Commission th the stakeholder c and private), builds up acities and supports



ns on marine and maritime issues.

evel stakeholder conference has turned into an or engagement with the stakeholder community in the g on the success of the high-level conferences held 4), Sofia (2015) and most recently in Odessa (2016), mission teams up every year with maritime entrepreneurs of the region to discuss how they can imum potential, and generate sustainable economic and the coastal areas.

was carried out to assess the state of maritime affairs ntries and to suggest draft architecture of a project to he capacities of the public bodies and raising awareness of maritime integration. A project concept was urrently under discussion with the coastal countries and tions.

c.europa.eu/maritimea icy/sea\_basins/black\_s

# Sea basin strategy: Adriatic and Ionian Seas Sea basin strategy: Adriatic and Ionian Seas

## From a Maritime Strategy to a Macro-Regional Strategy for the Adriatic and Ionian Region

The European Commission has launched a new EU Strategy for the Adriatic and Ionian Region on 17 June 2014.

The strategy mainly revolves around the opportunities of the maritime economy - 'blue growth', land-sea transport, energy connectivity, protecting the marine environment and promoting sustainable tourism – sectors that are bound to play a crucial role in creating jobs and boosting economic growth in the region. The starting point for this is the Maritime Strategy for the Adriatic and Ionian Seas, adopted by the Commission on 30 November 2012 and now incorporated into the Strategy.

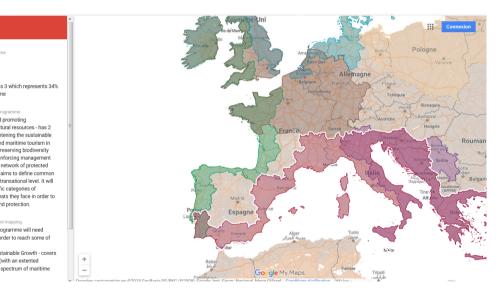
This is the first EU 'macro-regional strategy' with such a large proportion of non-EU countries (Albania, Bosnia and Herzegovina, Montenegro and Serbia) cooperating with EU countries (Croatia, Greece, Italy, and Slovenia). A pair of countries – one EU country and one non-EU country-coordinated the development of each element of the Action Plan:

- Greece and Montenegro on "Blue Growth": this pillar intends to drive innovative maritime and marine growth in the Region, by promoting sustainable economic development and jobs, and business opportunities in the Blue economy.
- Italy and Serbia on "Connecting the Region" (transport and energy networks): this pillar aims to improve transport and energy connectivity in the Region and with the rest of Europe.

https://ec.europa.eu/maritimeaff airs/policy/sea\_basins/adriatic\_io nian\_en

#### TKIND OF ACQUISITION PROGRAM BY BASIN?





# Italy-Croatia a 51,346,091.00 budget for Priority Axis 2 and 127.00 for Piority Axis 3, mapping activities are included in 2 different паррипу абочные але пюдовой иг z опине xis of the Porgramme: ГУ AXIS 2 - Safety and resilience - has 2 bjectives with a coastal mapping and data

... Objective 2.1 - Improve the climate change

g and planning of adaptation measures pecific effects, in the cooperation area - will

improving the knowledge base, data and

in proving the knowledge back, data and systems supporting adaptation capacity, imed at increasing the capacity for planning

promoting

reserving biodiversity

network of protected

ic categories of

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with an extented

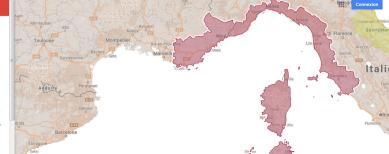
nd protection.

#### France-Italie Maritime

The ERDF contribution for Priority Axis 2 is 82900000 (48,88% of the ERDF for the Programme). The thematic objectives 2.1 and 2.2 share 44600000.

Priority Axis 2 - Protection and valorisation od natural and cultural resources and risk management -Improve the capacity of public institutions to anticipate and manage, jointly, certain specific risks arising from climate change: hydrological risk, particularly related to flooding, coastal erosion, fires.

In the framework of this specific objective, the Programme could support actions on: Covernance: etranathening the ekille o



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ple of use of national ERDF; Corsica: the acquisition is in course (Feb

e coastal area will be acquired

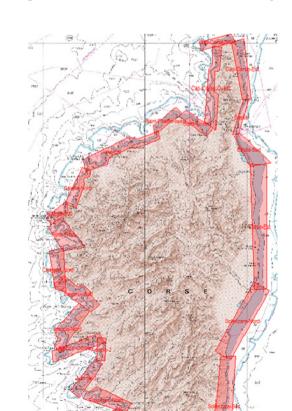
000€

State,

ERDF coordinated by Corsica,

Shom

shared in EMODNET



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## BSHC (Magnus Wallhagen); Sweden

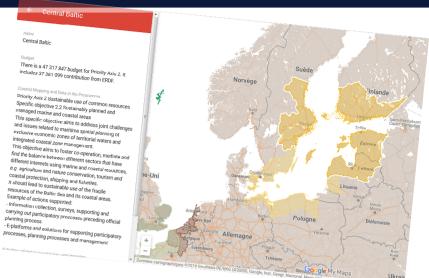


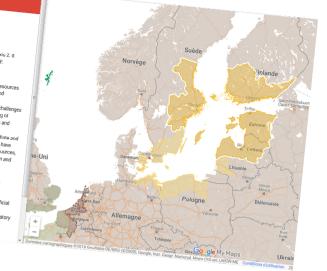
#### MARITIME AFFAIRS

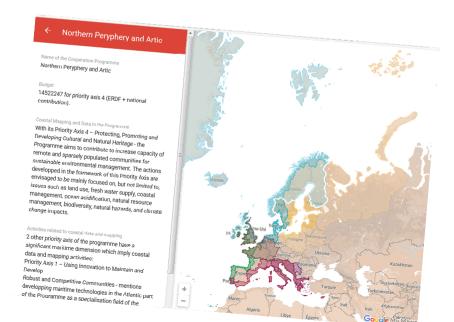


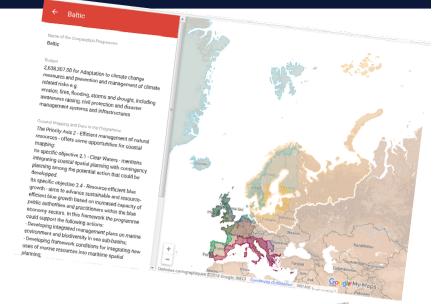
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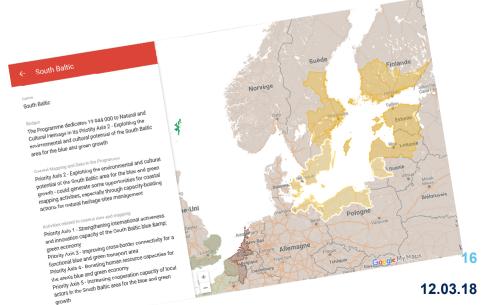












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## WILL WE FIND THE WAY TO SURF THESE WAVES?



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## Cooperation in climate change with Africa?

