



## MSDIWG14

# **14<sup>th</sup> Meeting of the International Hydrographic Organization Marine Spatial Data Infrastructures Working Group**

## **Eastern Atlantic Hydrographic Commission (EAtHC) MSDI WG**

**LCDR Telmo Dias**

Genoa, January 30<sup>th</sup> to February 3<sup>rd</sup>, 2022



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# 1. Eastern Atlantic Hydrographic Commission (EAtHC) MSDI WG

## 1.1. Basic information

International  
Hydrographic  
Organization

### ➔ Establishment:

- During EAtHC16, September 2021, Lisbon.

### ➔ Objective:

- Support the activities of the EAtHC related to MSDI, focusing on managing and sharing marine spatial data and extending its use (SEABED 2030 and CSB).

### ➔ 8 members:

- **6/8 members:** France, Ghana, Morocco, Nigeria, Portugal (chair), Spain;
- **1/10 associate members:** UK;
- **1/8 observers:** Gambia.

### ➔ Meeting:

- February 17<sup>th</sup>, 2022.
- **TBS: March, 2023.**

### ➔ Site:

- <https://iho.int/en/eathc-msdiwg>.



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# 1. Eastern Atlantic Hydrographic Commission (EAtHC) MSDI WG

## 1.2. MSDI/SDI implementation status

International Hydrographic Organization

National Geoportals Non national SDIs on right Disclaimer

Portugal

Link to the SDI/MSDI web portal:

[Hidrografico Plus](#)

[SNIG](#)

[Aplicar zoom a](#)

→ <https://iho.int/en/iho-online-catalogues> (5/26):

- France
- Portugal
- Spain
- UK
- USA

2000km 1000mi -7,383 42,685 Graus

Esri, HERE, Garmin | Esri, HERE

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# 1. Eastern Atlantic Hydrographic Commission (EAthC) MSDI WG

## 1.3. List of actions

International Hydrographic Organization

Action Item	Description	Predecessor	Date to Report	Responsibility
EAtHC17 (MSDI) 1	Review the procedures for the transmission of survey data, making sure that all relevant national organisations can access the survey data covering their national waters.		Permanent	Coastal States
EAtHC17 (MSDI) 2	Identify sources of bathymetry and encourage data owners (all coastal states or other stakeholders) to contribute with datasets or subsets to IHO Data Center for Digital Bathymetry (DCDB) and General Bathymetric Chart of the Oceans (GEBCO).	IRCC Rec 12, 14, 16	Permanent	Coastal States
EAtHC17 (MSDI) 3	Support the Crowdsourced Bathymetry (CSB) initiative with positive actions, such as requiring all research vessels, when on passage or when it does not interfere with other research activities, to collect bathymetric data for later uploading.	IRCC Rec 13	Permanent	Coastal States
EAtHC17 (MSDI) 4	Maintain a web map application to use as testbed by EAtHC MSDI WG members and to publish and share hydrographic data.	IRCC Rec 2, 15	Permanent	MSDI WG



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# 1. Eastern Atlantic Hydrographic Commission (EAtHC) MSDI WG

## 1.3. List of actions

International Hydrographic Organization

Action Item	Description	Predecessor	Date to Report	Responsibility
EAtHC17 (MSDI) 5	Encourage all coastal states to respond to CSB questionnaire (IHO CL 21/2020, IRCC CL 1/2020) and, if possible, offer a positive response, even if qualified, to enable provision of CSB data into the public domain. collected from ships within waters subject to their national jurisdiction.	IRCC Rec 10, 11	EAtHC18	Coastal States
EAtHC17 (MSDI) 6	Plan a workshop on how to build a MSDI (geospatial data, spatial databases, web services, etc.) (VTC or at EAtHC18?)		EAtHC18	MSDI WG
EAtHC17 (MSDI) 7	SPI 1.2.2 measuring approach proposal SPI 2.2.1 measuring approach proposal		Dormant	MSDI WG



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# 1. Eastern Atlantic Hydrographic Commission (EAthC) MSDI WG

## 1.4. Web application

International Hydrographic Organization

Eastern Atlantic Hydrographic Commission Marine Spatial Data Infrastructure Working Group

Find address or place

United Kingdom

France

Spain

Portugal

Morocco

Ghana

Nigeria

<https://hidrografico.maps.arcgis.com/apps/webappviewer/index.html?id=0ed6d8d8a8fe4ae58be604f1dd1b9f26>

800mi

-64.227 35.099 Degrees

Earthstar Geographics

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Genoa, January 30<sup>th</sup> to February 3<sup>rd</sup>, 2022

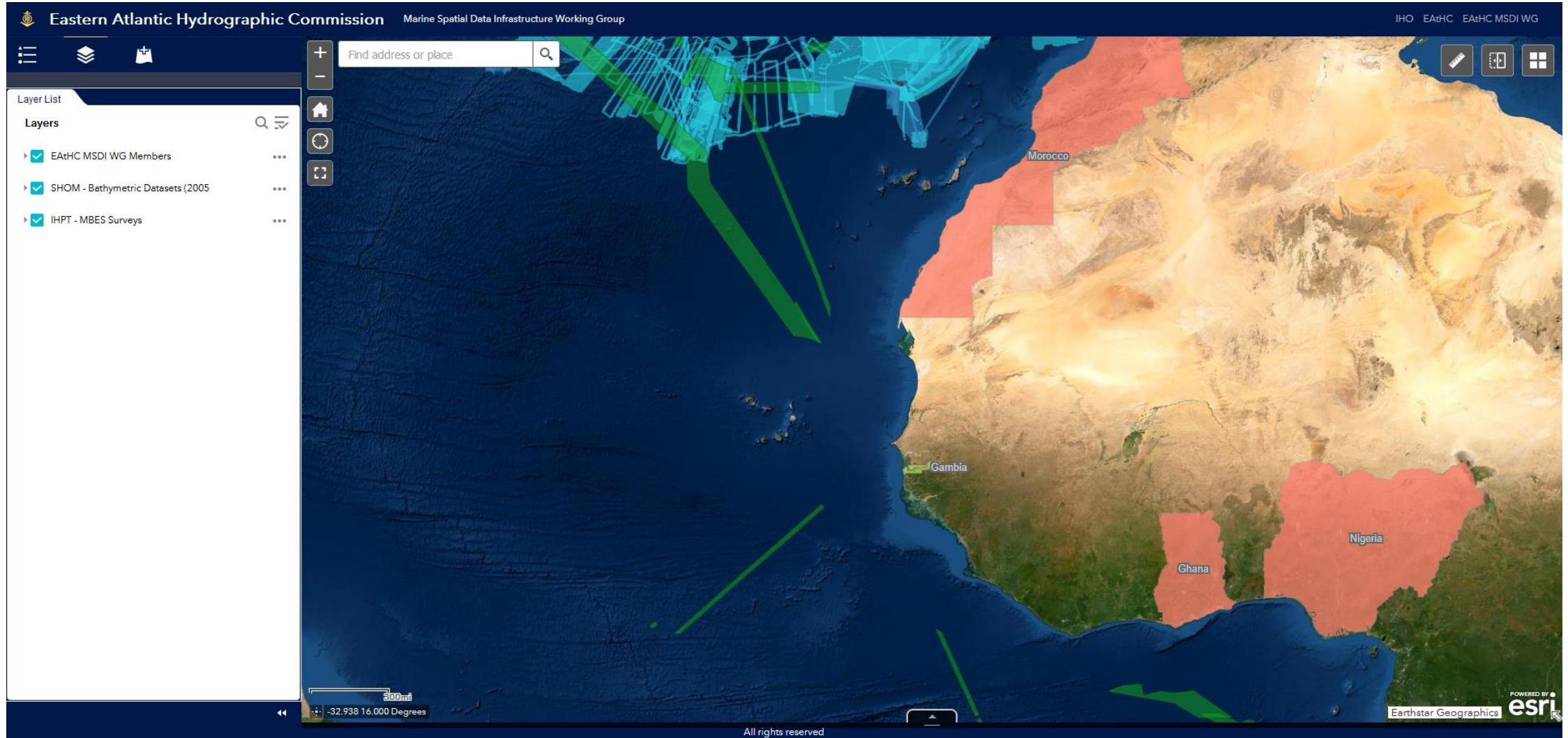


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# 1. Eastern Atlantic Hydrographic Commission (EAtHC) MSDI WG

## 1.4. Web application

International Hydrographic Organization



Genoa, January 30<sup>th</sup> to February 3<sup>rd</sup>, 2022

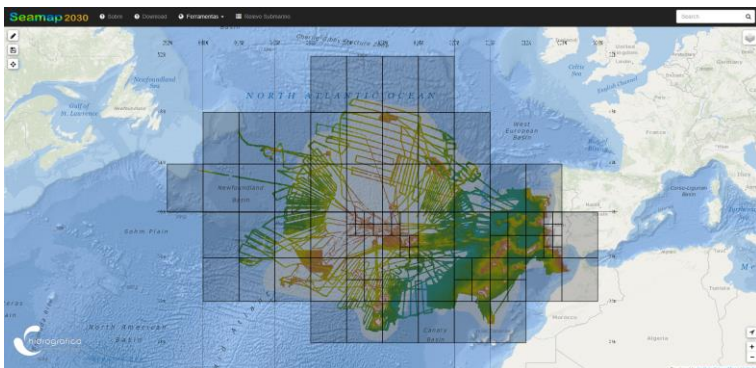


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# 1. Eastern Atlantic Hydrographic Commission (EAthC) MSDI WG

## 1.4. Web application

International Hydrographic Organization

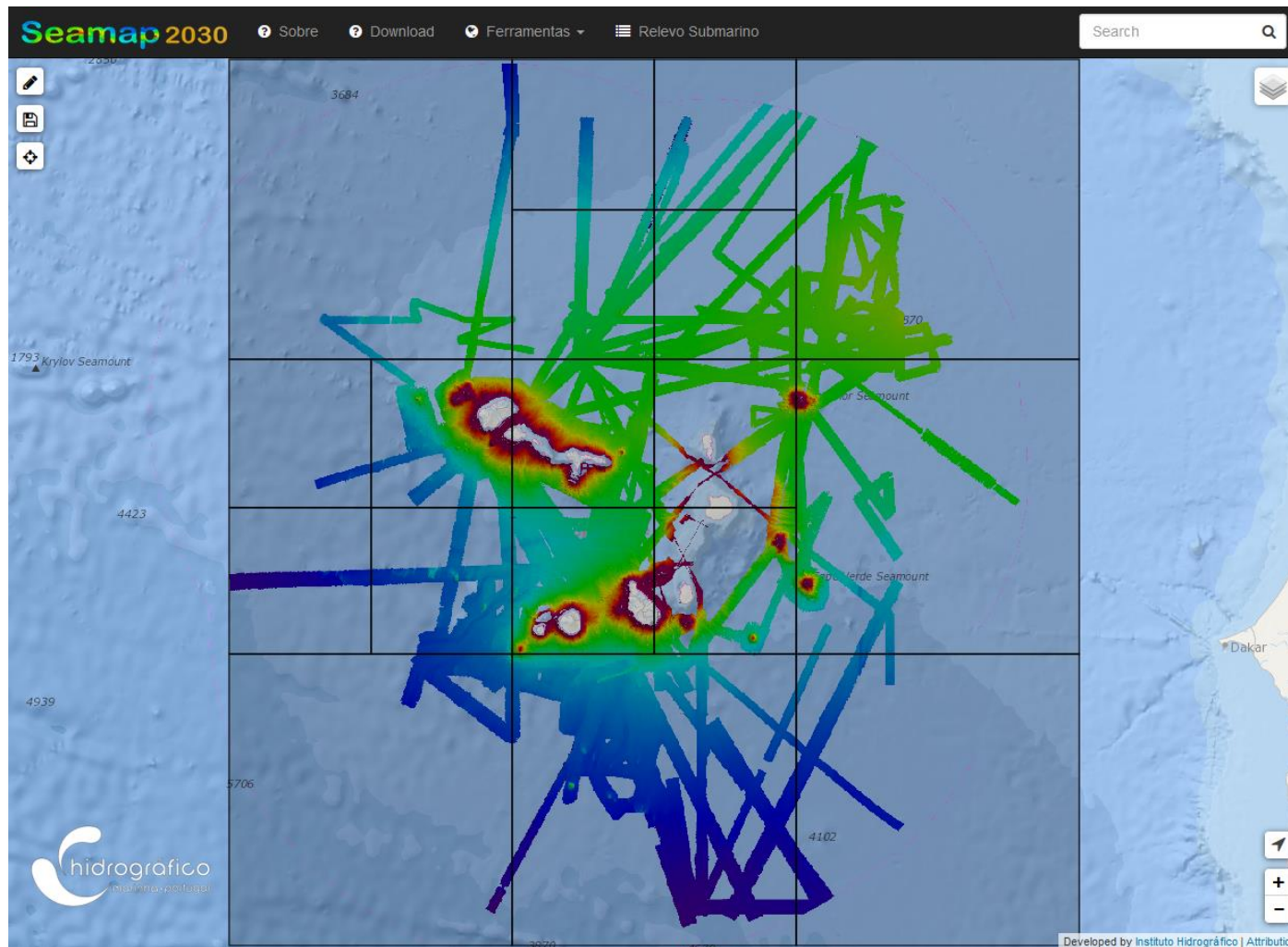


<https://gridmar.hidrografico.pt>

### RESOLUTION(S)

- Depth 50m-250m – Res. 32m
- Depth 250m-1000m – Res. 64m
- Depth 1000m-2000m – Res. 128m
- Depth 2000m-4000m – Res. 256m
- Depth +4000m – Res. 512m

<https://gridmarcv.hidrografico.pt>







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# 1. Eastern Atlantic Hydrographic Commission (EAthC) MSDI WG

## 1.5. Challenges and opportunities

International  
Hydrographic  
Organization

- ➔ MSDI is not a priority (**policy and governance**).
- ➔ Engagement and response to e-mails (**people**).
- ➔ Capacity building (**people and standards**).
- ➔ Lack of infrastructures (**information systems**).
- ➔ Low volume of data (**data**).

