

# SEAMAP 2030

Portuguese Hydrographic Institute

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IHO EUROPEAN NETWORK WORKING GROUP (IENWG) – 14<sup>th</sup> Meeting

May 29, 2024



# Agenda



**1. Vision**



**2. Mission**



**3. Data collection**



**4. Data access**

# Agenda



## 1. Vision



## 2. Mission

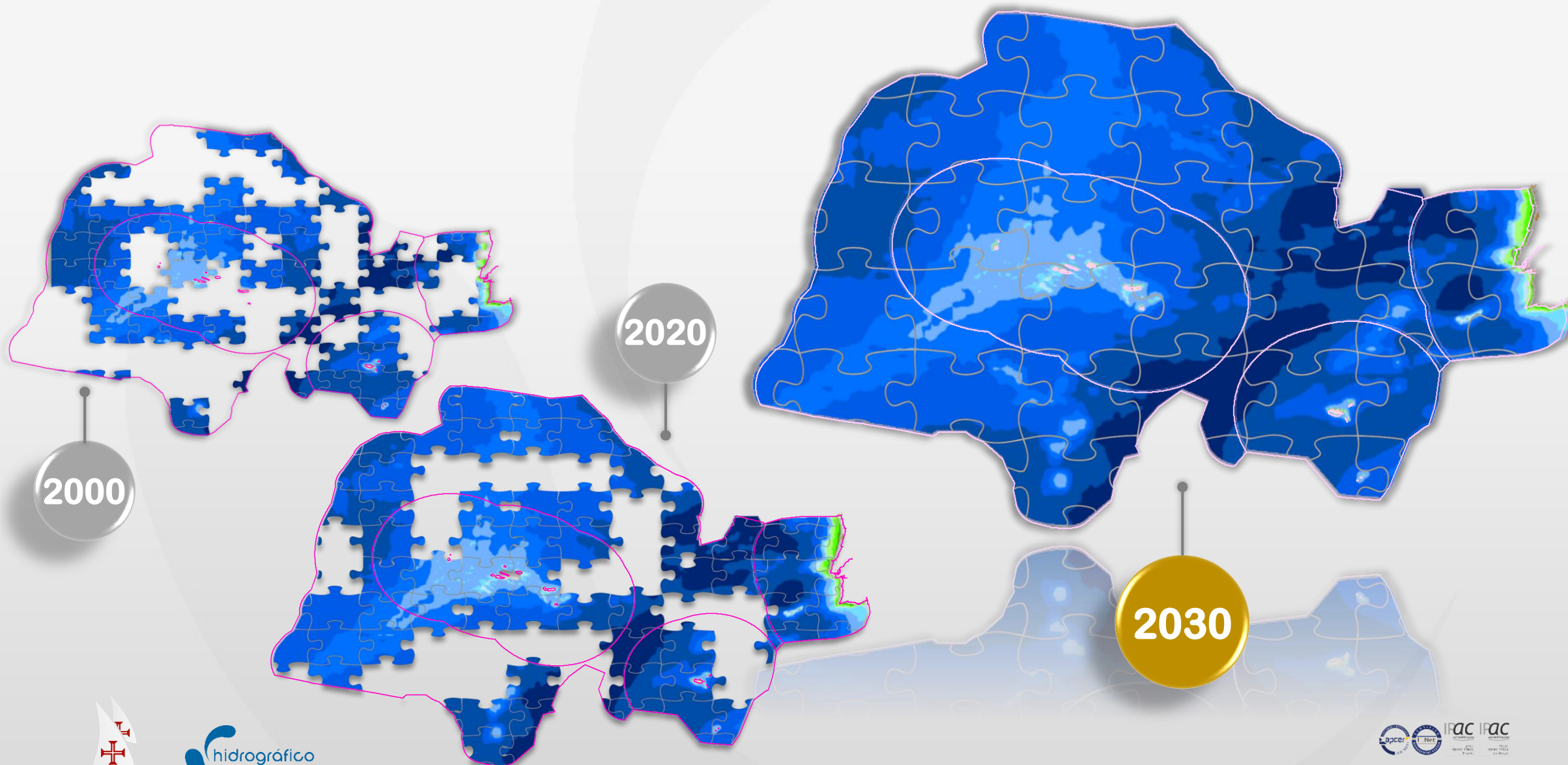


## 3. Data collection



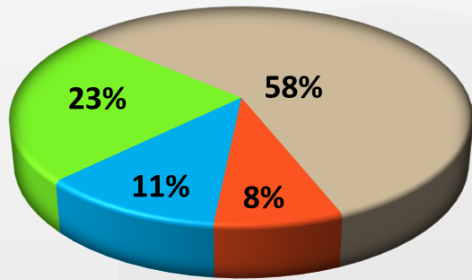
## 4. Data access





# Complete mapping of national maritime spaces by 2030

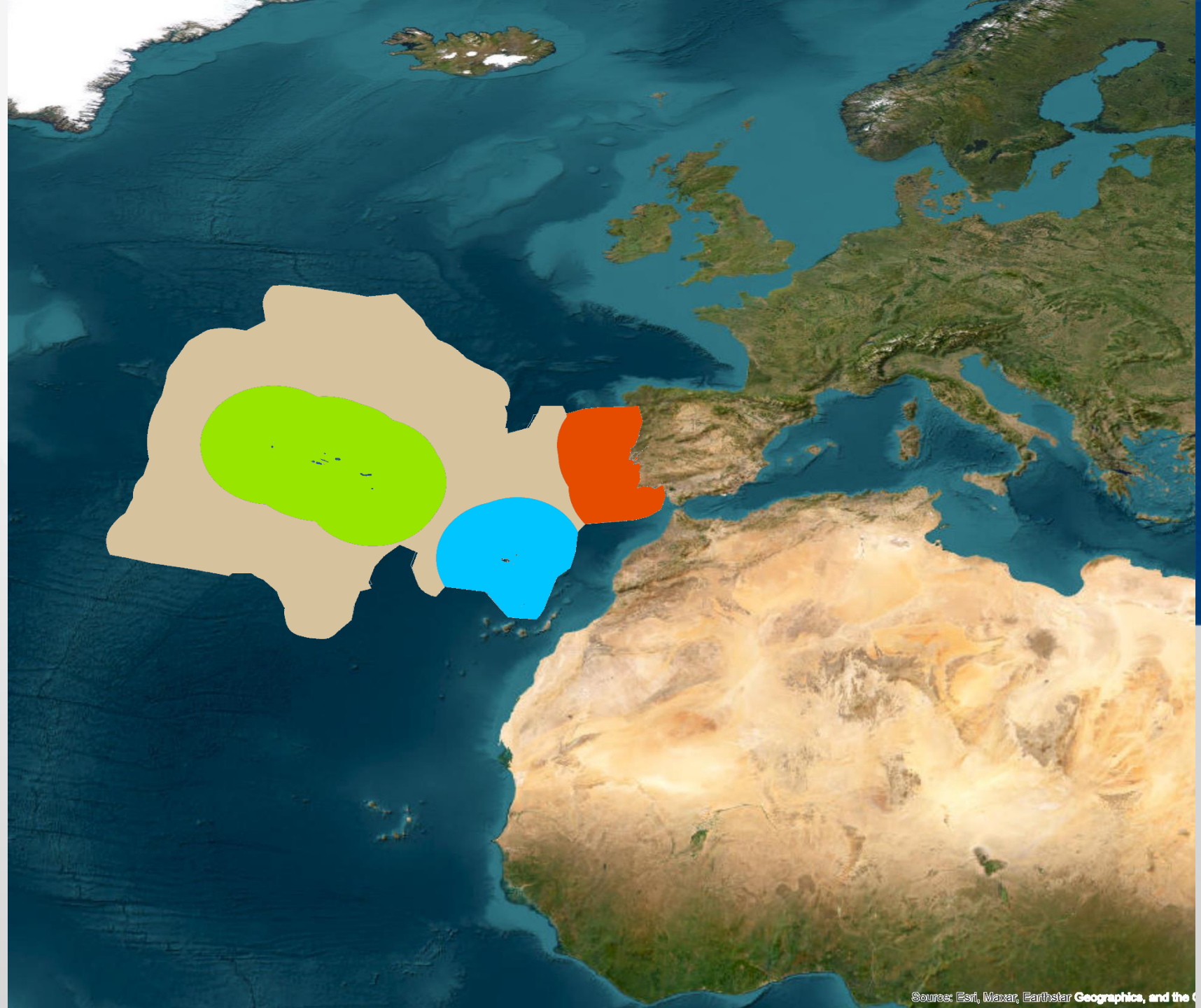


# Study Area

**4 075 166 km<sup>2</sup>**  
44x terrestrial area



-  Mainland EEZ
-  Azores EEZ
-  Madeira EEZ
-  Continental Shelf Extension Claim Area



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**2. Mission**

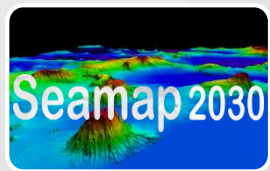


3. Data collection



4. Data access

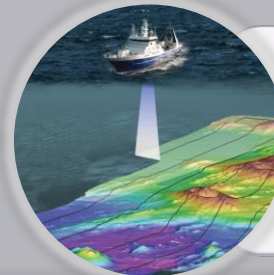
# Contribute to the conservation and sustainable use of the sea by supporting research and promoting development



Conservation and sustainable use of the oceans



Knowledge of the oceans



Information about the seabed

## Why are we mapping

The conservation and sustainable use of the oceans implies multidisciplinary knowledge, based on the morphology of the seabed

- **Scientific research**

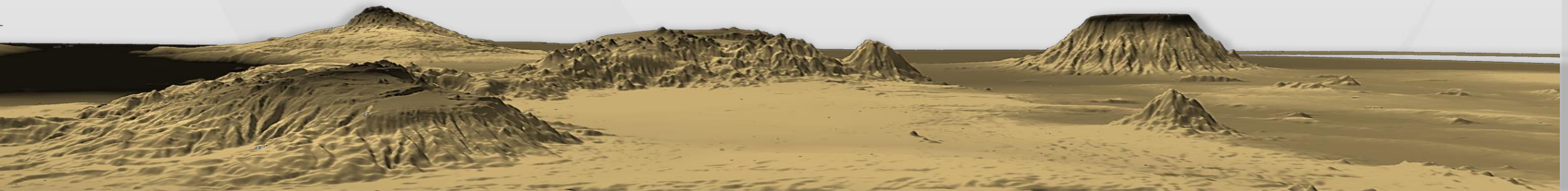
Backing up and guiding the multidisciplinary research carried out in the oceans, and the consequent developments in technology, economics and culture.

- **Decision support**

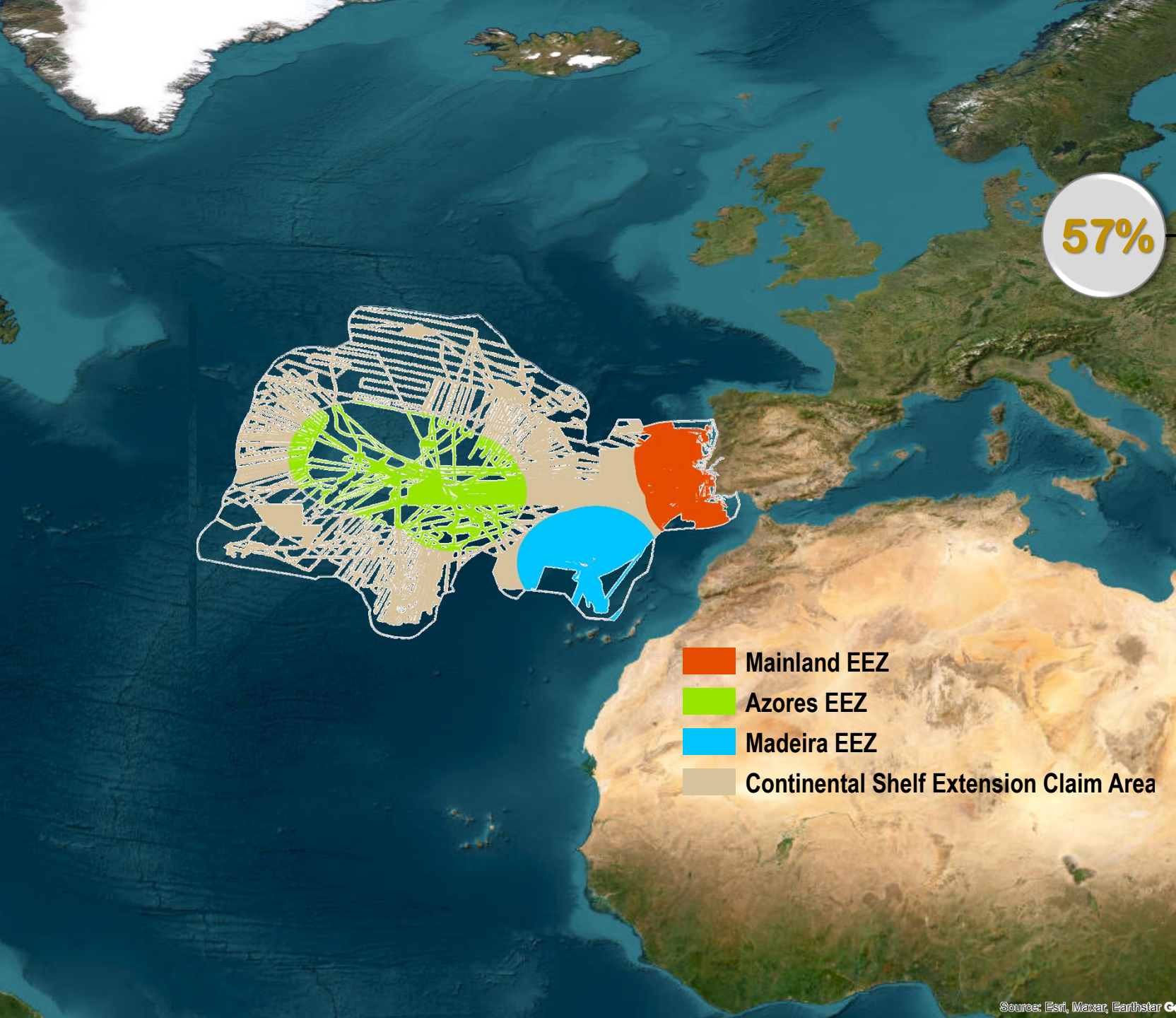
Ensuring a level of awareness that can enable effective actions in economy, safety, security and civil protection.

- **Sustainable management**

Expanding the information about marine resources and improving the efficiency of their exploration and preservation.





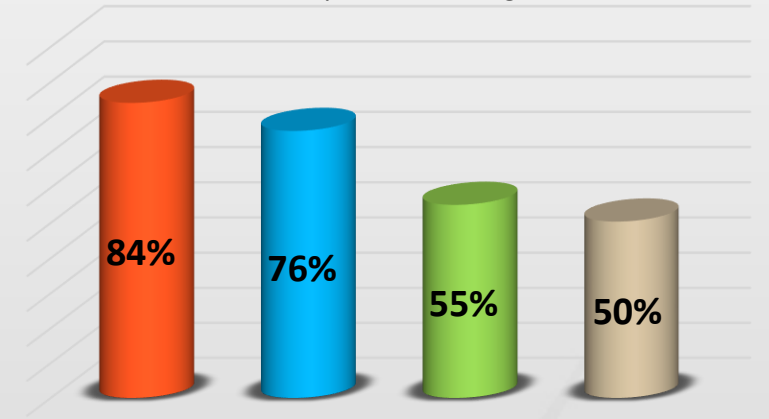


## Current coverage

• **Total bathymetric coverage**

**Full bottom coverage**

Bathymetric Coverage



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# Navy Hydrographic Vessels



NRP D. Carlos



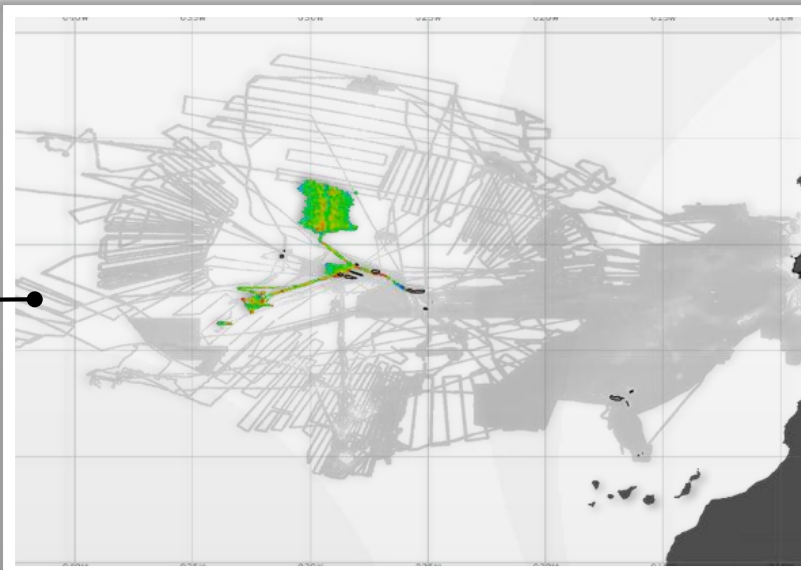
NRP Alm. Gago  
Coutinho

2x  
Multibeam  
< 2000 m

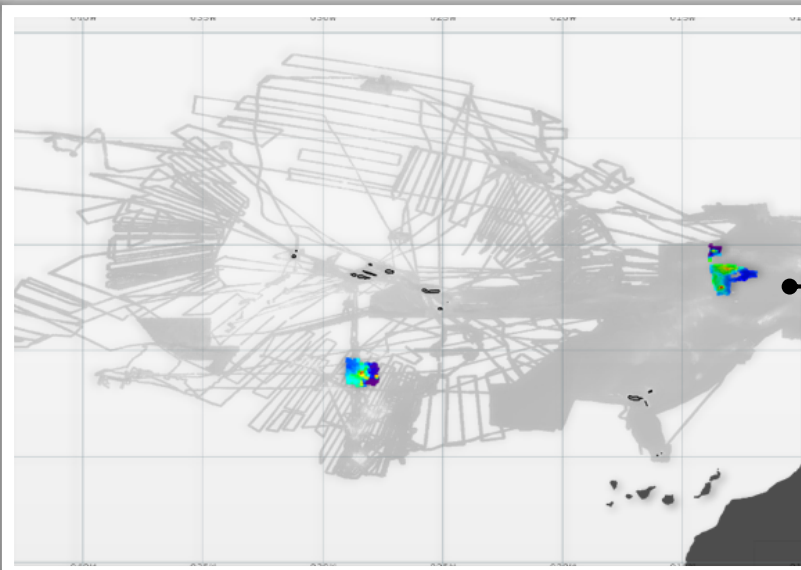
2x  
Multibeam  
< 11 000 m

# Scientific Cruises

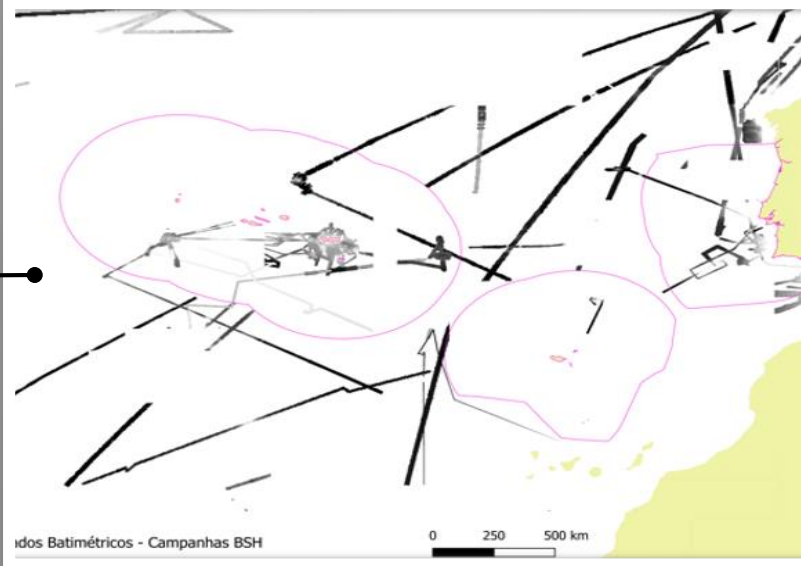
Ifremer



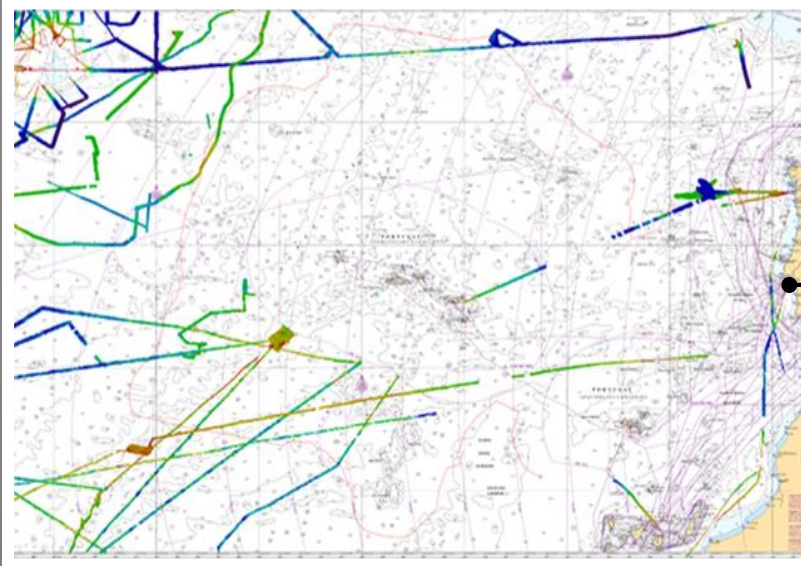
Shom

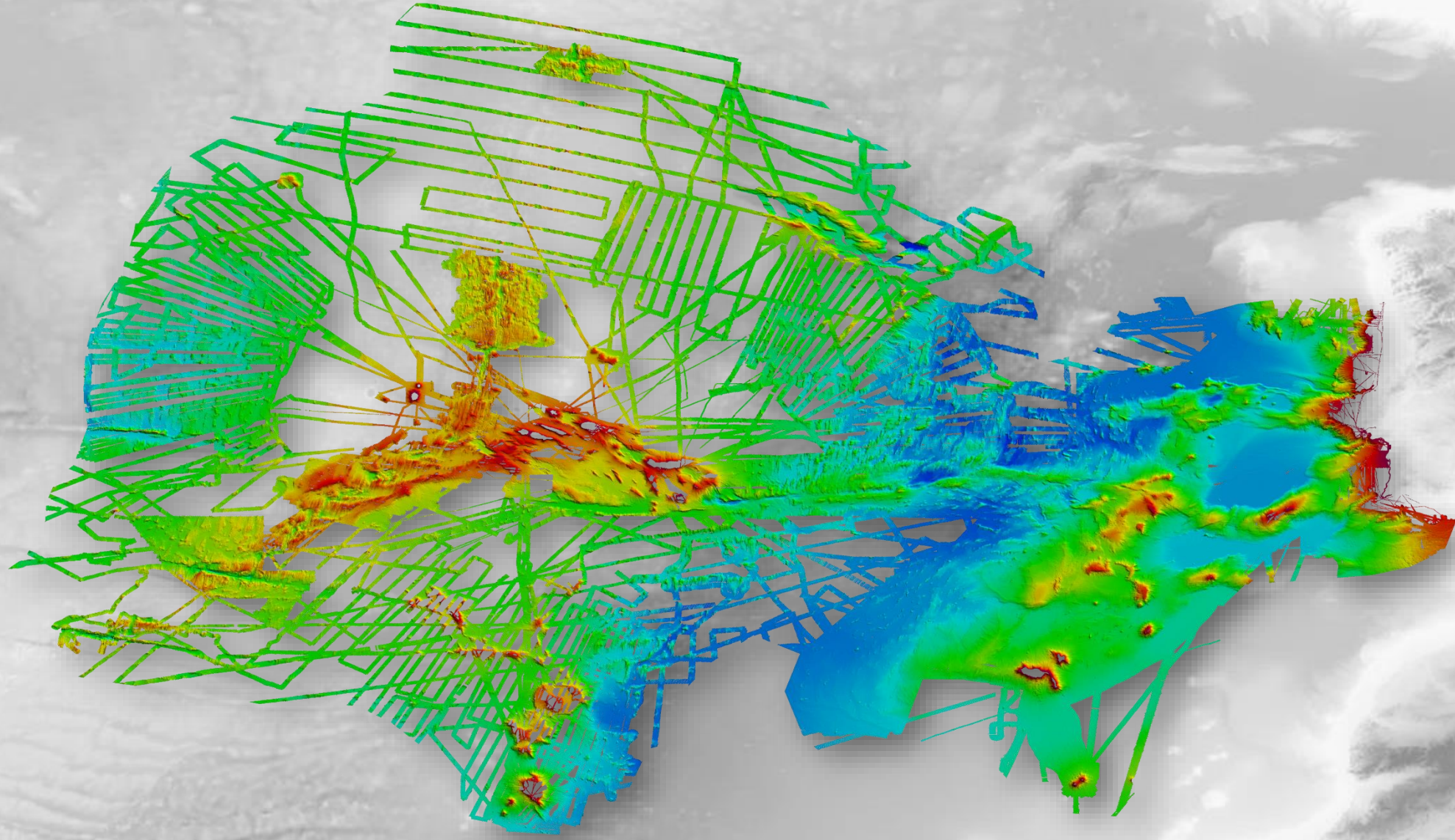


BSH



Noaa





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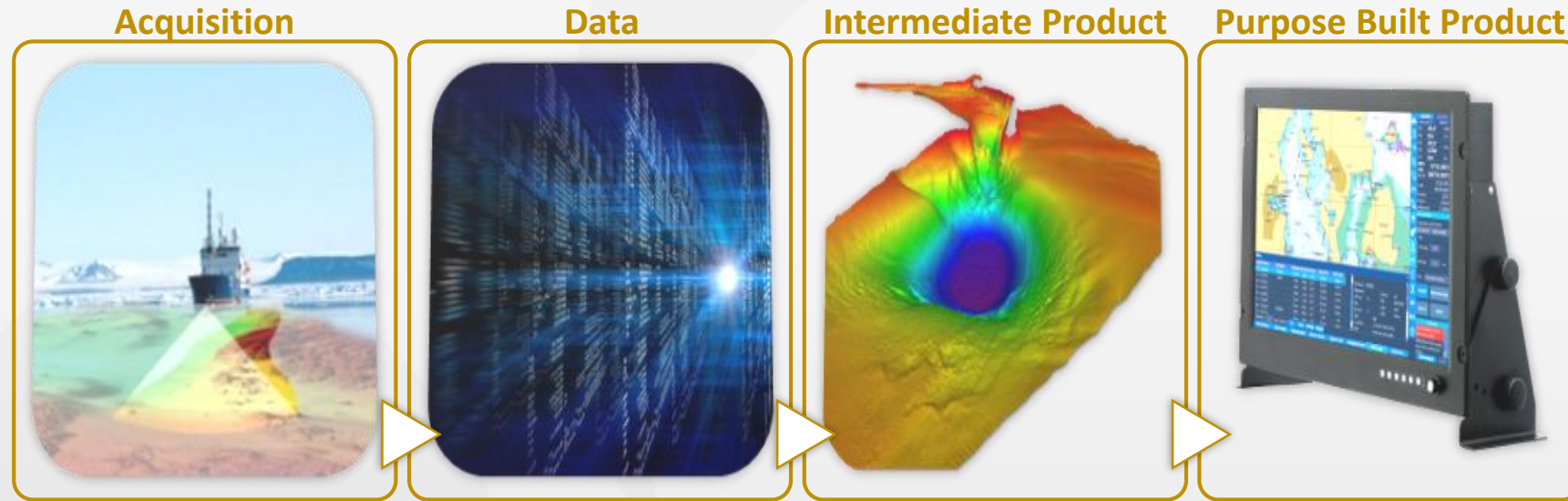


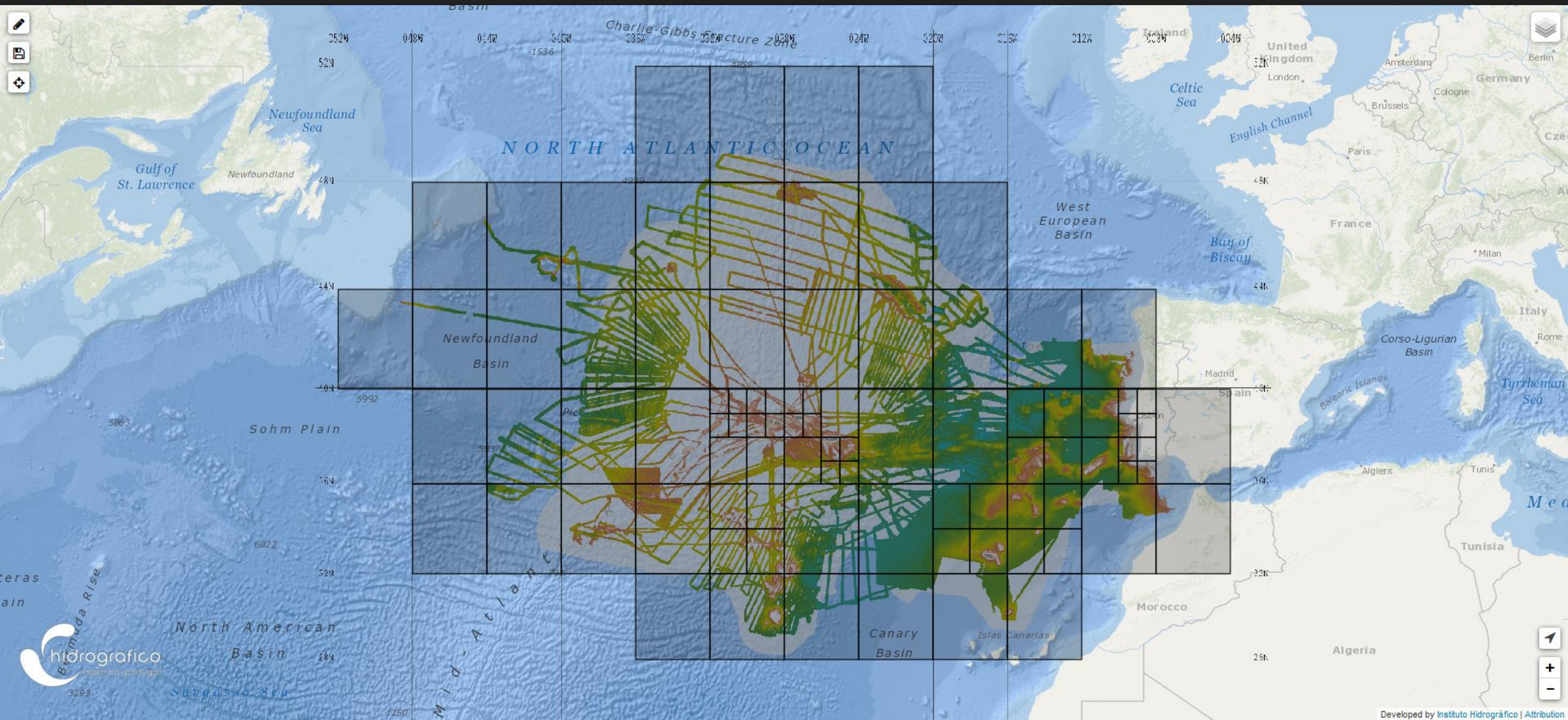
3. Data collection



**4. Data access**

# Increase the use of hydrographic data for the benefit of society



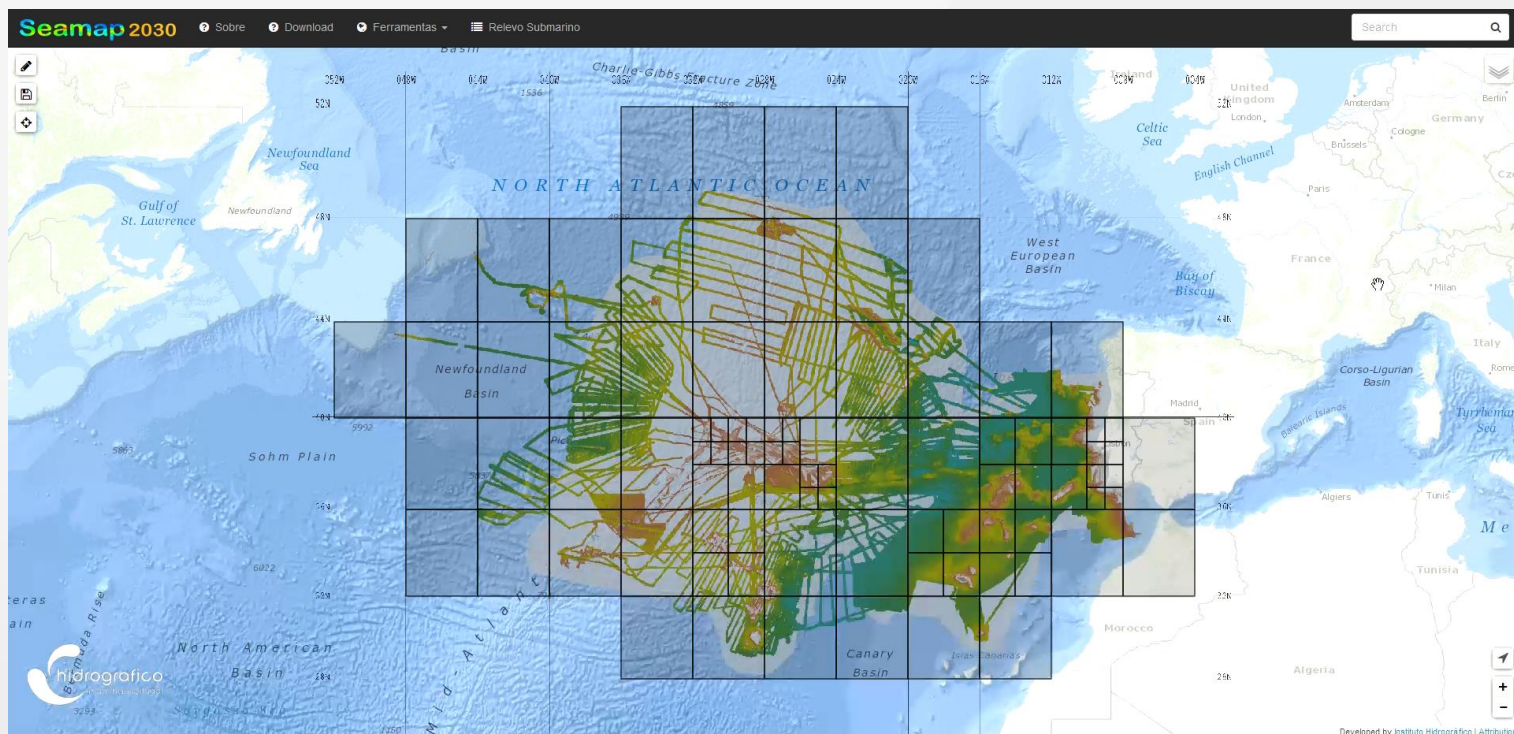


Developed by Instituto Hidrográfico | Attribution

<https://gridmar.hidrografico.pt>







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- 📄 MarPT\_50-250\_res32m\_bdc3709467.xyz
- 📄 MarPT\_250-1000\_res64m\_bdc3709467.xyz
- 📄 MarPT\_1000-2000\_res128m\_bdc3709467.xyz
- 📄 MarPT\_2000-4000\_res256m\_bdc3709467.xyz
- 📄 Seamap2030-042022.pdf

MarPT_2000-4000_res256m_bdc3709467.xyz			
1	-010.3134799	40.0023641	3998,720
2	-010.3111095	40.0023641	3996,590
3	-010.3087391	40.0023641	3997,476
4	-010.3063688	40.0023641	3997,339
5	-010.3039984	40.0023641	3999,099
6	-010.2921465	40.0023641	3998,670
7	-010.2897762	40.0023641	3997,790
8	-010.2874058	40.0023641	3997,652
9	-010.2850354	40.0023641	3998,820
10	-010.2826651	40.0023641	3999,712
11	-010.2802947	40.0023641	3997,973
12	-010.2779243	40.0023641	3997,054
13	-010.2755540	40.0023641	3995,776
14	-010.2731836	40.0023641	3995,887

### DATE(S)

Hydrographic surveys carried out on:  
From 2004 to 2021.

### GEODETTIC SYSTEM

Geographic Coordinates - WGS84 (EPSG 4326)  
Latitude N (decimal degrees)  
Longitude W (decimal degrees)

### VERTICAL LEVEL(S)

Mean Sea Level (MSL).  
Chart Datum (CD) – depths less than 200m.

### 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

### DATA SOURCE

This product was built based on Portuguese Hydrographic Institute (IHPT) surveys, surveys carried out within the scope of the Portuguese Task Group for the Extension of the Continental Shelf (EMEPC) and data acquired within the scope of scientific campaigns.

### FORMAT(S)

List of points in ascii format: longitude (W), latitude (N), depth (m).  
Separador: space.

<https://www.hidrografico.pt/iprojeto/16>

The screenshot shows the website header with the Hidrográfico logo and navigation menu. The main content area features the title "PROJECT: SEAMAP 2030 (MAPPING OF THE PORTUGUESE SEA)" and a map of the Portuguese maritime domain with a grid overlay. Text on the page includes "Current state of the program / project" and "See HERE the current status of the SEAMAP Project." A start date of "01-01-2017" is also visible.

A 3D bathymetric map of the Portuguese maritime domain, showing depth contours in various colors (blue, green, yellow, red). The title "SEAMAP 2030" is prominently displayed, along with the text "100 % of the national maritime spaces mapped by 2030". The Instituto Hidrográfico logo and the date "3 de dezembro de 2020" are also present.

<https://gridmar.hidrografico.pt>

The screenshot displays a bathymetric map of the North Atlantic Ocean with a grid overlay. The map shows depth contours and geographical features like the Gulf of St. Lawrence and the West European Basin. The Hidrográfico logo is visible in the bottom left corner.

<https://geomar.hidrografico.pt>

The screenshot shows a map of the Portuguese maritime domain with a grid and several rectangular overlays. The map is displayed in a light green color scheme. The Hidrográfico logo is visible in the top left corner.

# SEAMAP 2030

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