



18th Conference of the IHO Hydrographic Commission on Antarctica

National Report by Spain (IHM)

Agenda item 07.2Ar

HCA-18, Berlin, Germany (hybrid), 24 – 26 May 2022



IHO

International
Hydrographic
Organization

Surveys and charting progress in Antarctica since HCA-17 (June 2021)

- **Areas surveyed**
NTR
- **New charts produced**
NTR



IHO

Relations with Other Organizations

International
Hydrographic
Organization

Scientific and polar institutes



Spanish Polar Committee

<https://www.ciencia.gob.es/en/Organismos-y-Centros/Comite-Polar-Espanol.html>



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Relations with Other Organizations

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Cruise vessels

BIO «Hespérides»

2.830 Tns.

82,5 mts.

55 personnel +37 Scientifics

Operated by Spanish Navy



BO «Sarmiento Gamboa»

1.979 Tns.

70,5 mts.

16 personnel +26 Scientifics

Operated by CSIC



CSIC

CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



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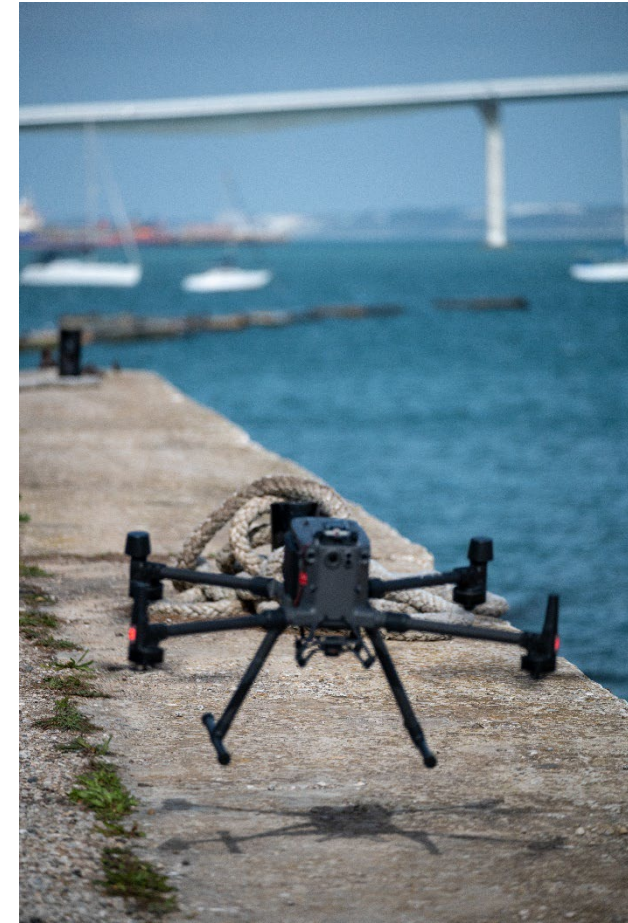


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Relations with Other Organizations

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Deployable and unscrewed systems for shallow waters



IHM can deploy light and high performance assets for high resolution mapping of coastal areas

- Hydro-RHIB fitted with MBES (Kongsberg EM2040). Survey team consisting of 3 people.
- USV “Veril-1” for remote operations in very shallow waters (Kongsberg EM2040 EM2040)
- Topobathy RPA, fitted with photogrammetric cameras, topolidar and multispectral sensor

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Relations with Other Organizations

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- **Hydrographic data received from other organizations**

Marine technology Unit Data centre from Scientific research Council

- **Hydrographic data provided to GEBCO & Seabed 2030**

SBES survey and transit data from Atlantic ocean and Antarctic waters from Research Vessels Hesperides and Sarmiento de Gamboa

- CSV files with survey metadata
- Data from 2011



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Planned Activities for 2022-2023

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Organization

- Polar Strategic Plan 2021-2030

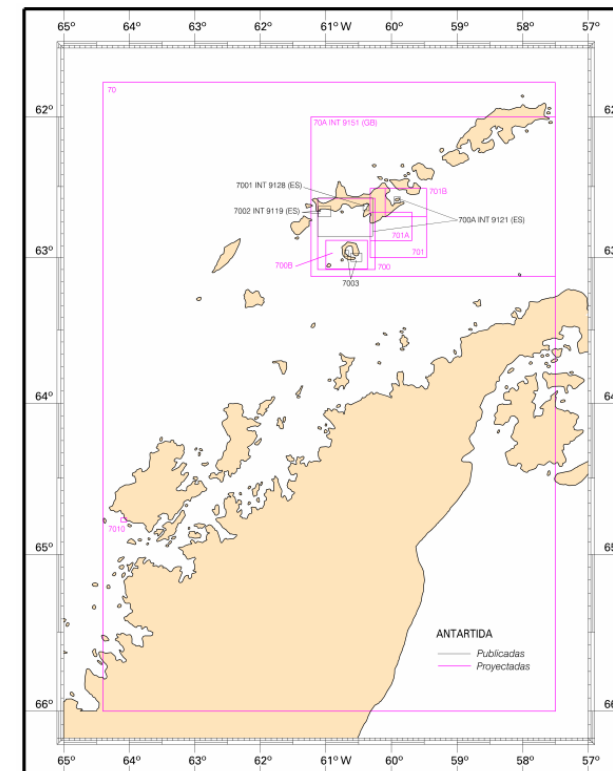


MINISTERIO
DE DEFENSA

ARMADA
FLOTA
FUERZA DE ACCIÓN MARÍTIMA
INSTITUTO HIDROGRÁFICO DE LA MARINA
Área de Hidrografía

PLAN ESTRATEGICO POLAR 2021-2030
INSTITUTO HIDROGRÁFICO DE LA MARINA

- Objectives
 - Implementation of the Antarctic Cartographic Project
 - Collaboration in polar research projects
 - Participation in international projects for ocean exploration



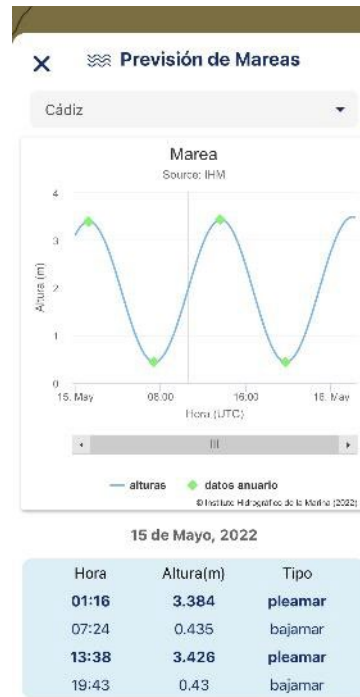
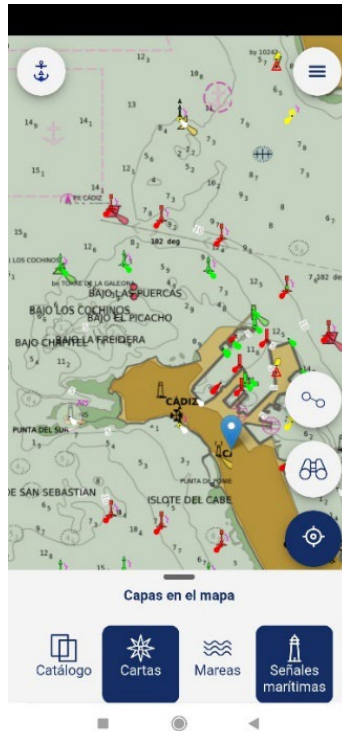
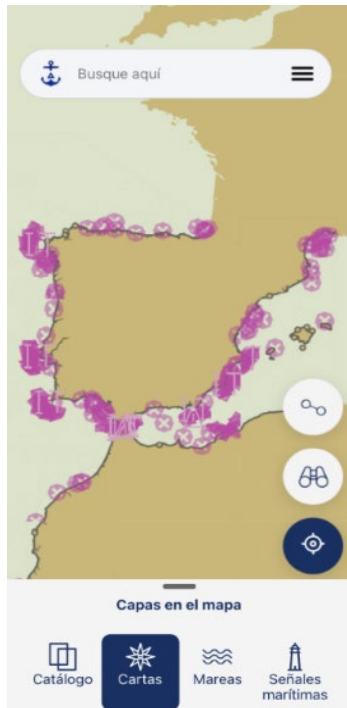


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Other information

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- New Application: [IHM Información Náutica](https://play.google.com/store/apps/details?id=ihm.app.esp&gl=ES)



- WMS Services
- Chart catalogue
- Tides
- Lights and buoys
- Notice to Mariners
- ...

<https://play.google.com/store/apps/details?id=ihm.app.esp&gl=ES>



<https://apps.apple.com/us/app/ihm-informaci%C3%B3n-n%C3%A1utica/id1585845297>



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Thank you



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