



Hydrographic Commission on Antarctica

Seminar on the status and the impact of hydrography in Antarctic waters

Item 2.3 - Hydrographic information drives marine knowledge

Rear Admiral Tim Lowe CBE
UKHO Chief Executive & National Hydrographer



IHO

DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT

International
Hydrographic
Organization

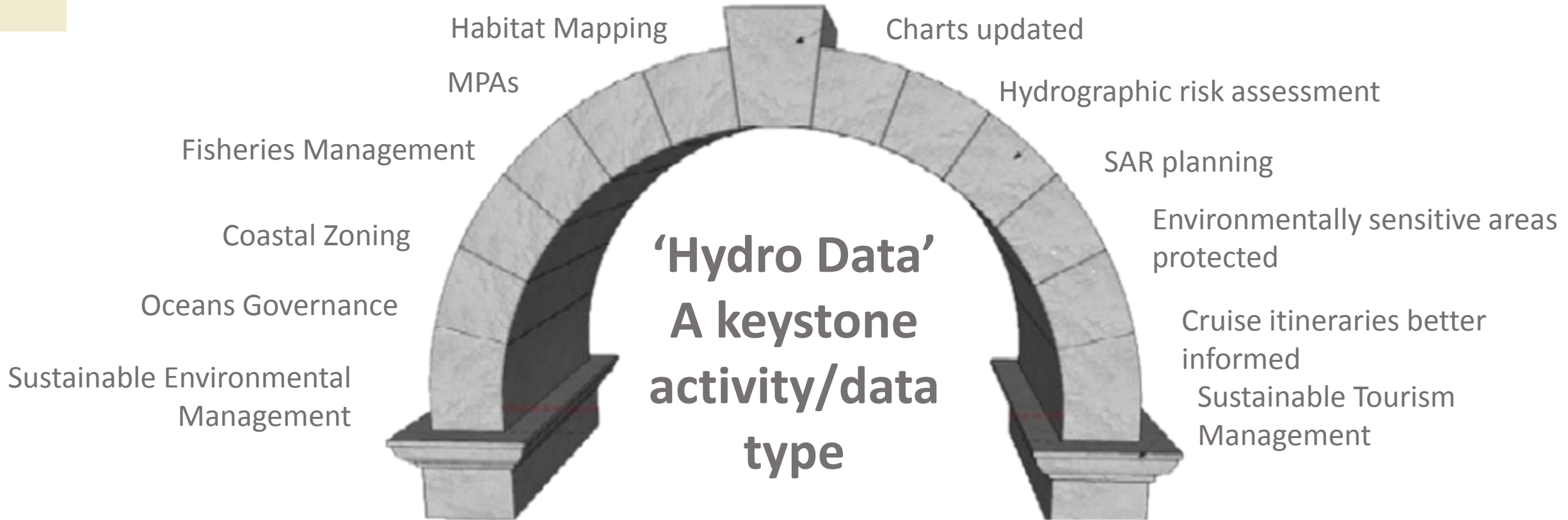
- **United Nations announced the Decade of Ocean Science for Sustainable Development (2021-2030)**
 - to mobilize the scientific community, policy-makers, business and civil society around a programme of joint research and technological innovation.
 - to boost international cooperation in ocean sciences.
 - to enable better coordination of research programmes, observation systems, capacity development, maritime space planning and the reduction of maritime risks to improve the management of ocean and coastal zones resources.



IHO

GEOSPATIAL DATA HAS A KEY PART TO PLAY

International Hydrographic Organization





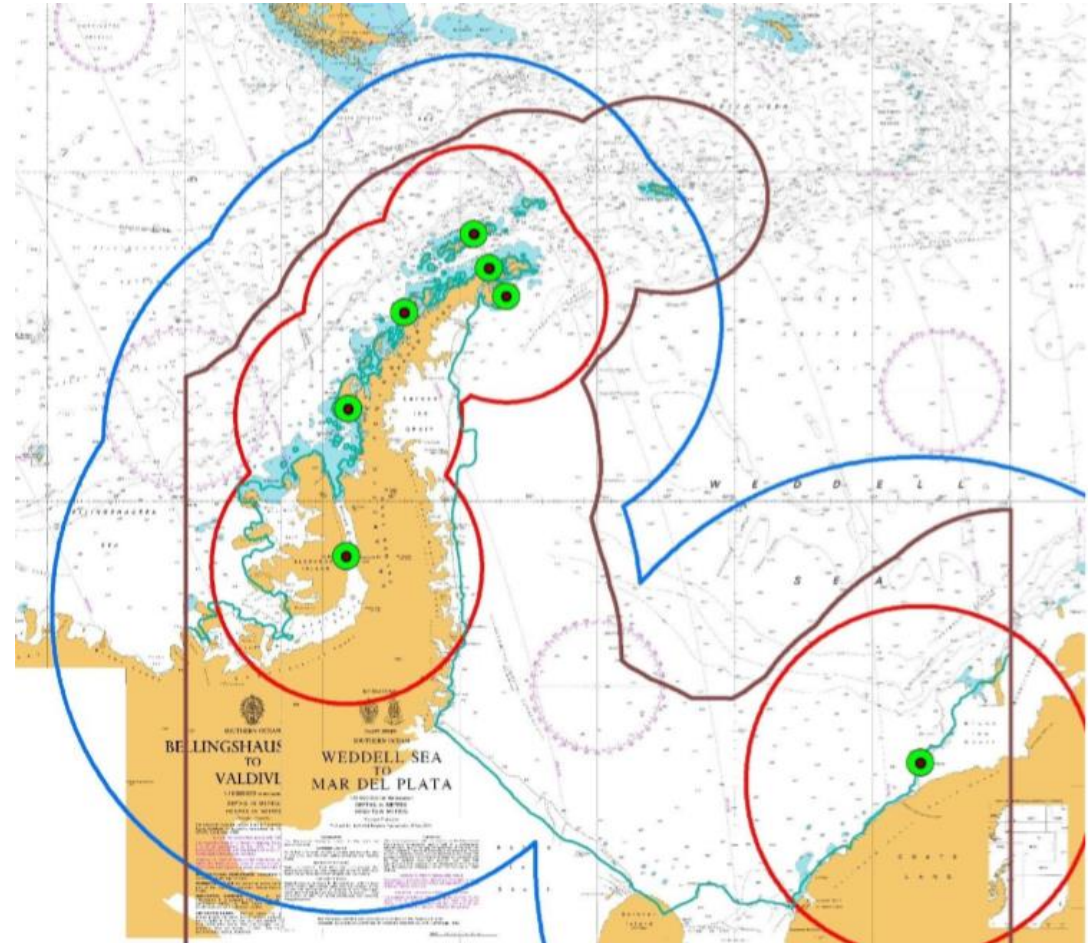
IHO

GEOSPATIAL DATA GATHERING

International
Hydrographic
Organization

The ranges of possible LIDAR data gathering areas in the region

- Available research bases have a variety of landing strips
- Twin Otter and De Haviland Dash 7 are the most common aircraft in the region
- Ranges of 700km and 1500km could be reached



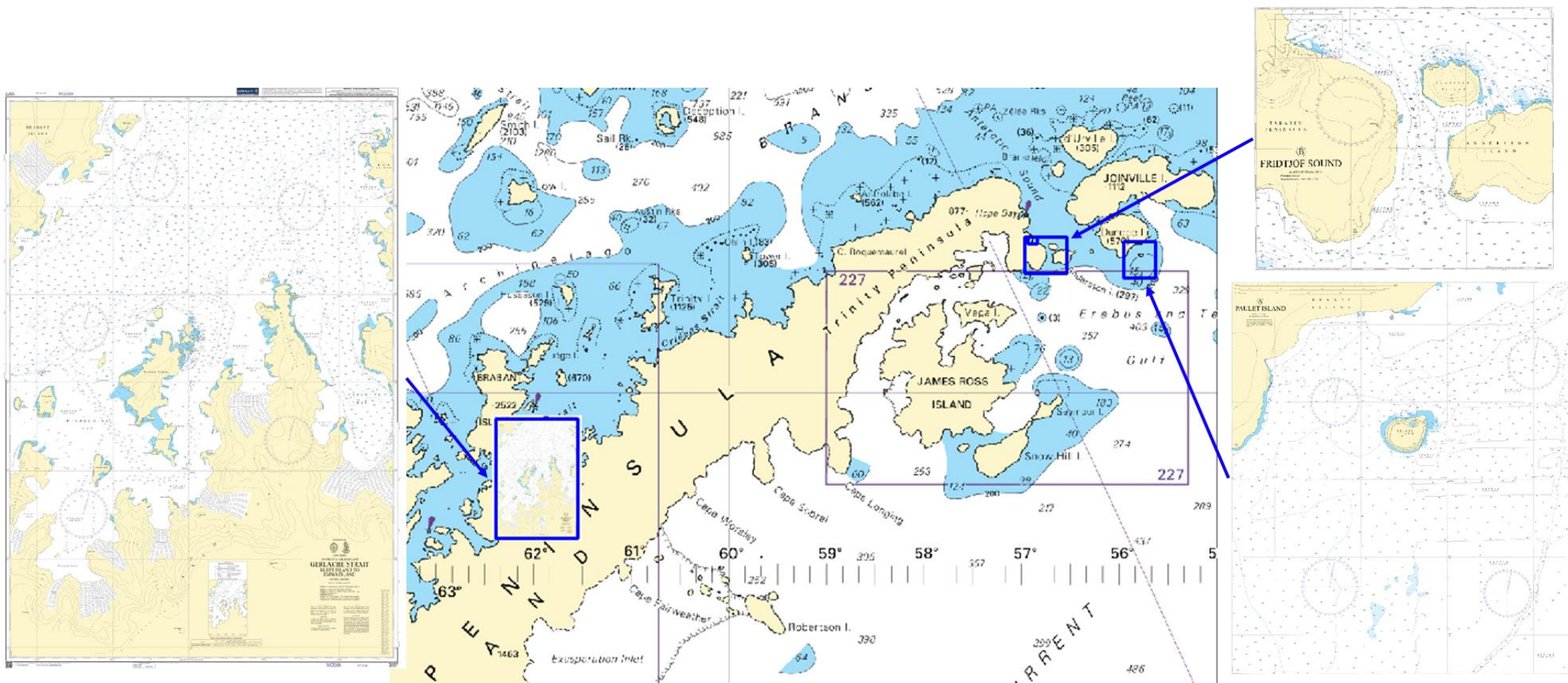


IHO

UK SEABED MAPPING PROGRAMME IN ANTARCTIC WATERS

International
Hydrographic
Organization

UK GOVERNMENT FUNDED INT CHARTS PUBLISHED IN 2019





IHO

COLLABORATION BETWEEN HYDROGRAPHIC OFFICES

International Hydrographic Organization

UK collaboration with DIMAR, Colombia



Survey data collection by DIMAR within unsurveyed areas of UK New Chart 3207 (INT9166)

CHART SEARCH Search SeaWay

Chart Catalogue MANUAL DOWNLOAD Manager

INT No: Search

SEARCH Options Reset

INT Region: CHART Scale:

Prod Nation: Pub Year: Status: All

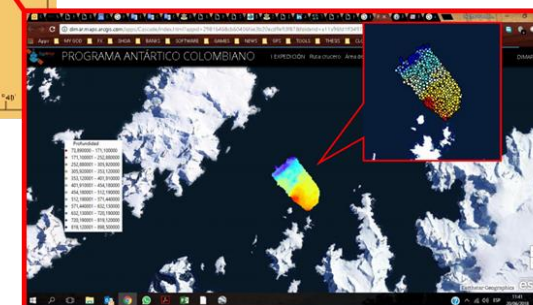
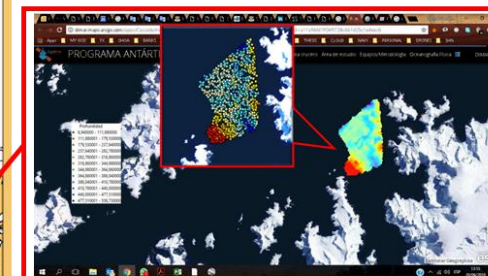
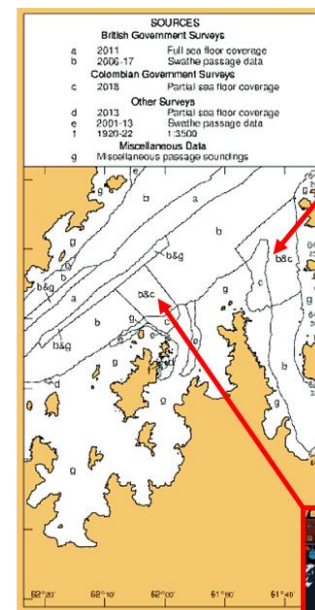
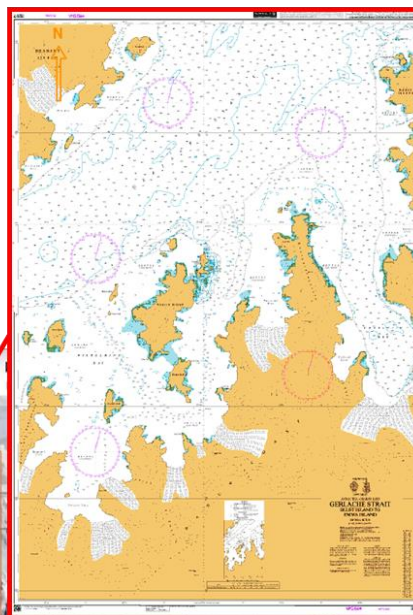
CHART List 2 Item

- 9157-Gerlache Strait
- 9166-Wilhelmina Bay

Nation Title: Nation Chart No: Inclusion Year: Publication Year: New Edition Year: Producers: Chart Date Year: Printer: Nation: Print Chart No: Print format: A0

Frame Dimensions: Scale: 50000: INT Area: M: Producing Status: Schemed: Record Update Date: 3.0.5 Jun. 2018: Region Version:

DOWNLOADS XLS PDF CML SHP





IHO

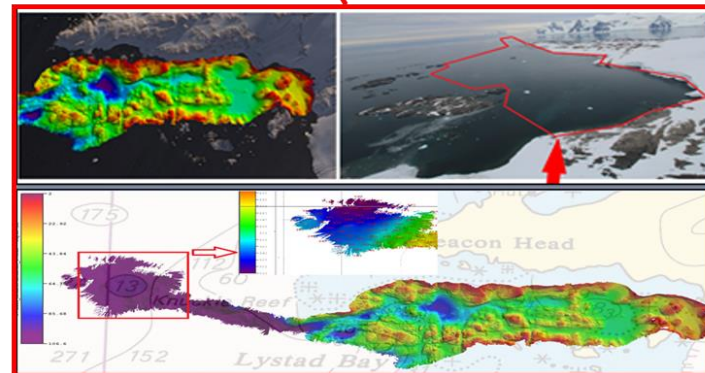
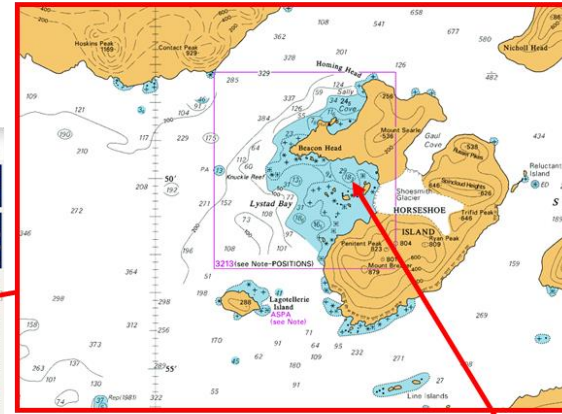
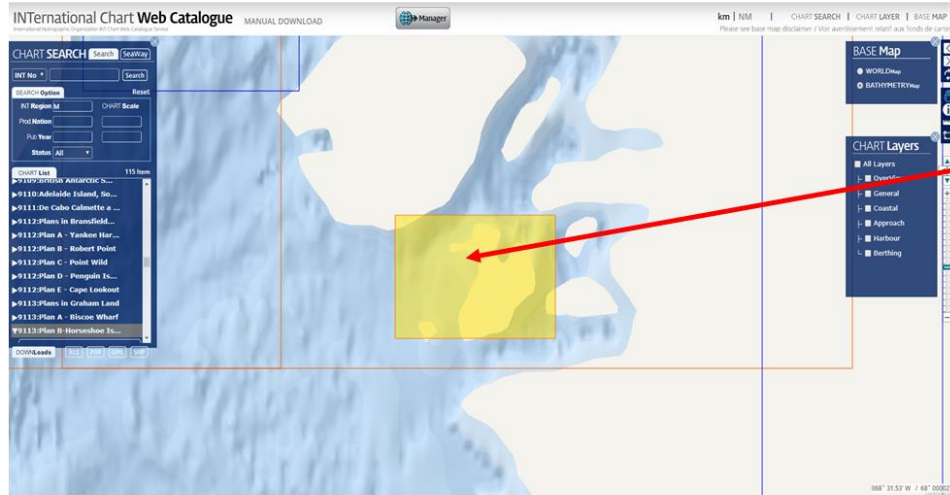
COLLABORATION BETWEEN HYDROGRAPHIC OFFICES

International Hydrographic Organization

UK future collaboration with ONHO, Turkey



Survey data collection by ONHO within unsurveyed areas of UK chart 3461 (INT9113)





IHO

HYDROGRAPHIC INFORMATION DRIVES MARINE KNOWLEDGE

International
Hydrographic
Organization

**We must all share the vision:
Geospatial Data is the future**

to unlock a deeper understanding of the world's oceans; for safer navigation, for sustainable marine economies and for the future of our planet.

“hydrographic information drives marine knowledge”

