

Status Report on IHO HCA-GIS

April 2024

IHO Secretariat



IHO

International
Hydrographic
Organization

Background

- HCA-GIS visualizes various hydrographic data and metadata around the Antarctic region.
- IHO Secretariat maintains and improves it.
- Some information is from MS, and MS's contribution is essential.
- See the “Guidebook for HCA-GIS dataset” for details.
 - The link : <https://iho.int/en/hca-miscellaneous>
- These datasets are utilised in “Quantarctica” run by Norwegian Polar Institute
 - Quantarctica is planned to be upgraded from Version 3.2 to Version 4,
 - New scientific data will be included in Version 4,
 - This will be presented at the SCAR (Scientific Committee on Antarctic Research) Open Science Conference 2024 this August.



IHO

International
Hydrographic
Organization

HCA 19, Venice, Italy, 15 – 18 April 2024

Report on Decisions/Actions from HCA 18

- HCA18/27

HCA Members to supply survey metadata to HCA GIS, through or cc HPWG chair, using the formstack online submission process (Permanent).

Status:

- ✓ Metadata of survey area provided by ROK, Chile, Spain, Türkiye and UK since the launch of the Formstack.
- ✓ IHO Secretariat updated some information (GEBCO undersea features, coverage of INT chart and ENC)
- ❑ HCA GIS and related information: <https://iho.int/en/hca-miscellaneous> (includes the online form for submission – [formstack](#))



IHO

International
Hydrographic
Organization

HCA 19, Venice, Italy, 15 – 18 April 2024

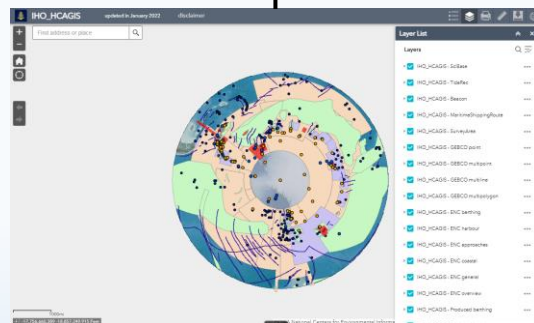
Current situation

- Steadily operated



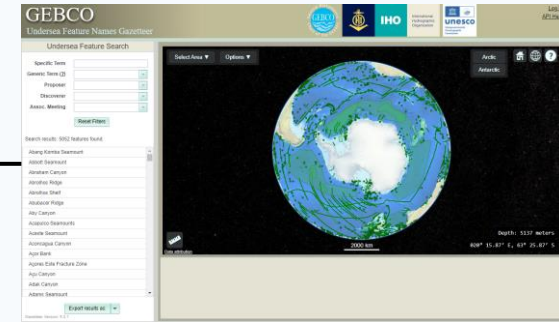
Quantarctica

Data utilized

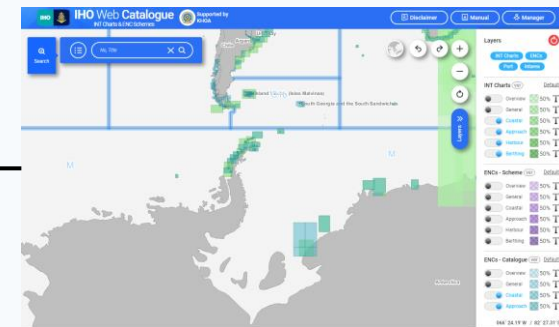


HCA GIS

Updated by IHO Secretariat



GEBCO Gazetteer (<https://www.ngdc.noaa.gov/gazetteer/>)



INToGIS II (<http://chart.iho.int:8080/iho/main.do>)

INToGIS III (planned)



IHO

International
Hydrographic
Organization

HCA 19, Venice, Italy, 15 – 18 April 2024

Actions Required for HCA 19

- **Note** this report
- **Submit** the latest information to the IHO Secretariat (ESRI Shapefile is preferable)
- **Follow** the format (attributes of layers) as much as possible on submission
- **Discuss** what improvements are necessary



IHO

International
Hydrographic
Organization

HCA 19, Venice, Italy, 15 – 18 April 2024