



IHO Inter-Regional Coordinating Committee Crowdsourced Bathymetry Working Group

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Chair, CSBWG
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First IHO CSBWG Meeting

- Clarity on :
 - Why the group exists
 - How we will work together
 - What we will do
- Break out sessions:
 - Hardware & Uncertainty
 - Collection Methods & Data Formats/Metadata
- Identified issues for further discussion and action



Vision:

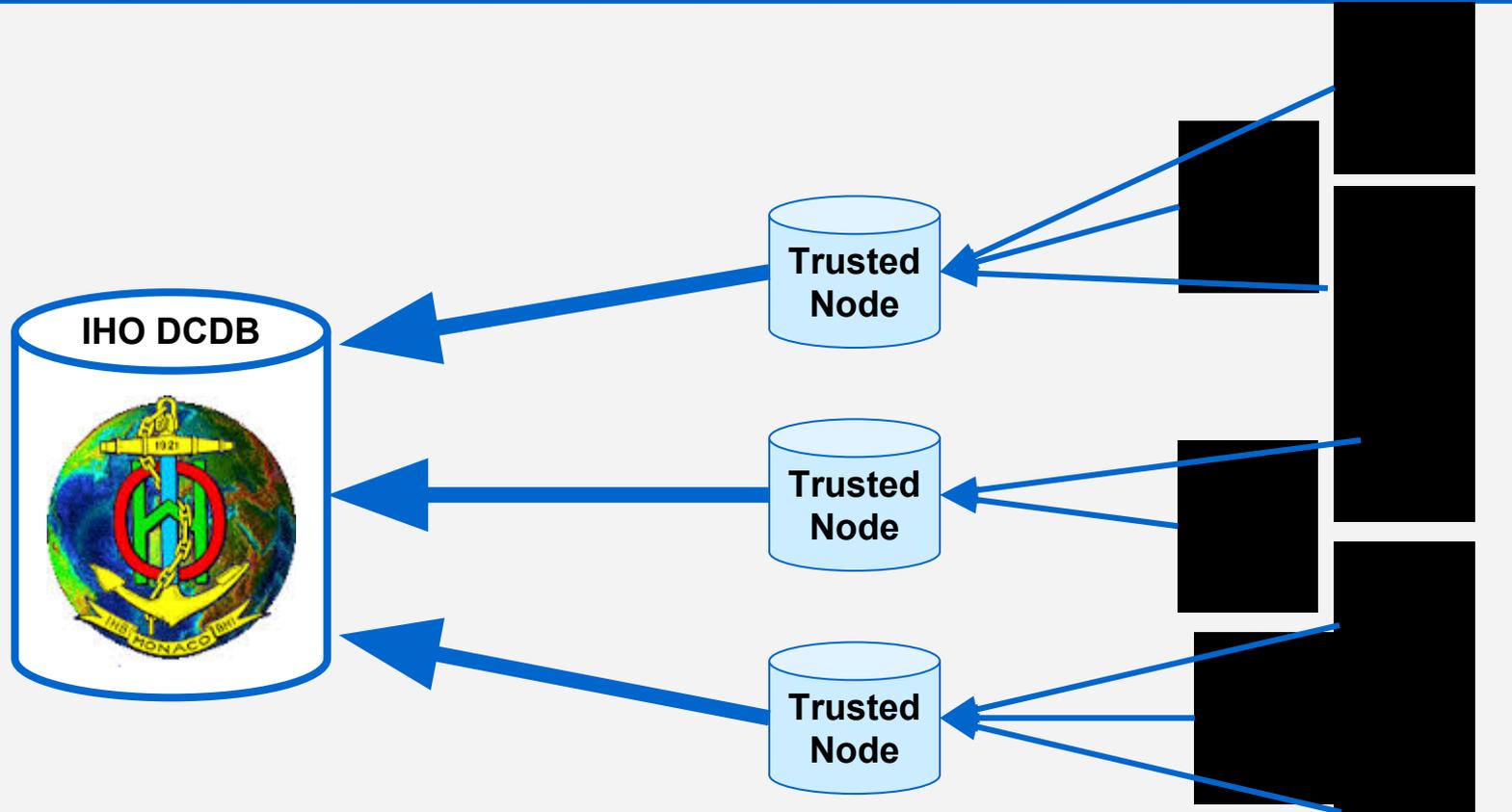
The floor of our
oceans and seas revealed

Mission:

Empower mariners to
map the gaps



Collection Model: Trusted Node



Pilot Project: IHO

- IHO, Professional Yachting Association, IHO DCDB, Sea-ID
- Test data: Tracklines from the Association of Arctic Expedition Cruise Operators (AECO)

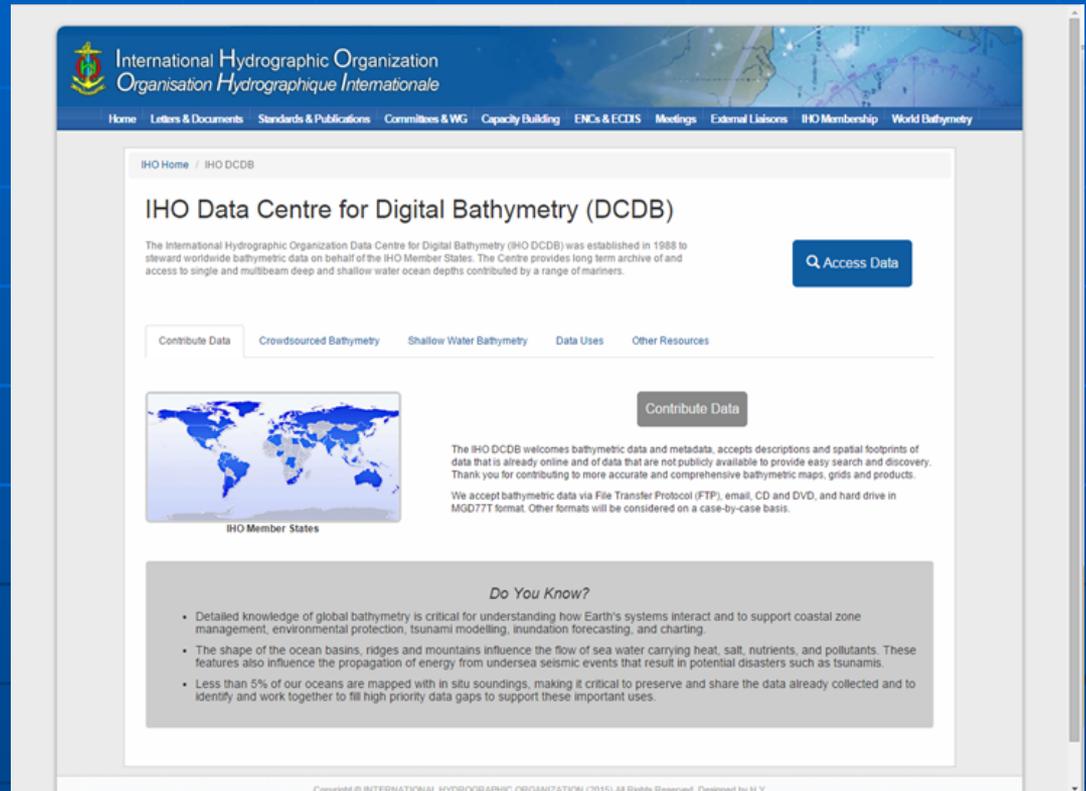


IHO Pilot Superyacht Tracklines



IHO DCDB Infrastructure Enhancement

- Allow automated upload, display, description, discovery and delivery of CSB data



The screenshot shows the IHO DCDB website. At the top, there is a navigation bar with the IHO logo and the text "International Hydrographic Organization" and "Organisation Hydrographique Internationale". Below the navigation bar, there is a header section with the text "IHO Data Centre for Digital Bathymetry (DCDB)". A search bar with the text "Access Data" is located on the right side of the header. Below the header, there is a section with the text "Contribute Data" and "Crowdsourced Bathymetry". A world map is displayed, with the text "IHO Member States" below it. To the right of the map, there is a "Contribute Data" button. Below the map, there is a section with the text "Do You Know?" and a list of bullet points:

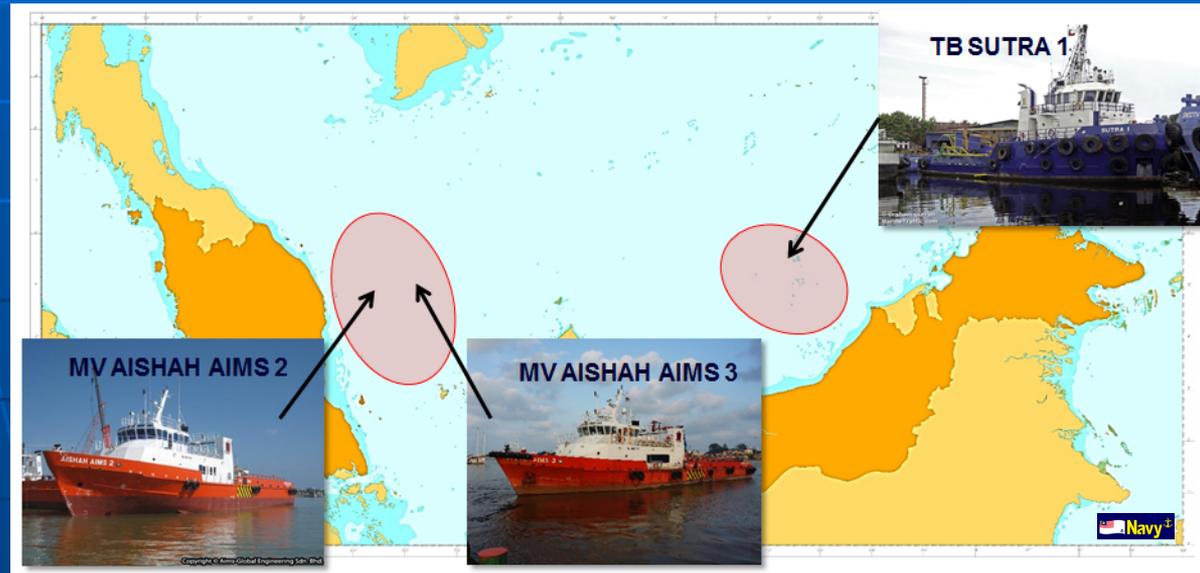
- Detailed knowledge of global bathymetry is critical for understanding how Earth's systems interact and to support coastal zone management, environmental protection, tsunami modelling, inundation forecasting, and charting.
- The shape of the ocean basins, ridges and mountains influence the flow of sea water carrying heat, salt, nutrients, and pollutants. These features also influence the propagation of energy from undersea seismic events that result in potential disasters such as tsunamis.
- Less than 5% of our oceans are mapped with in situ soundings, making it critical to preserve and share the data already collected and to identify and work together to fill high priority data gaps to support these important uses.



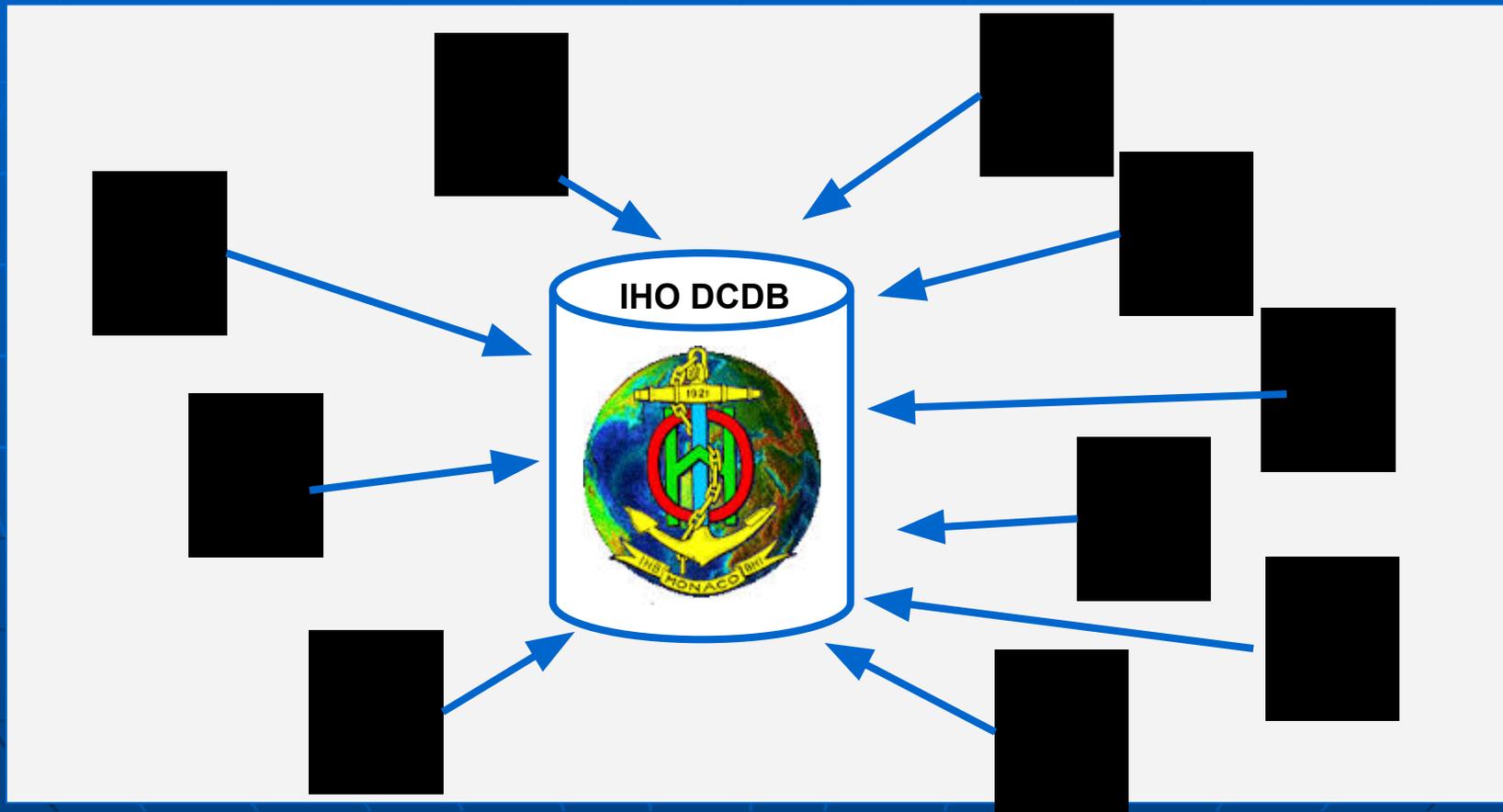
Pilot Project: Malaysia

GEBCO Scholars Data Assessment Pilot Project:

- Nippon Foundation GEBCO alumni from the National Hydrographic Centre of the Royal Malaysian Navy, SeaID, IHO DCDB
- Three vessels



Collection Model: Individual Contributors

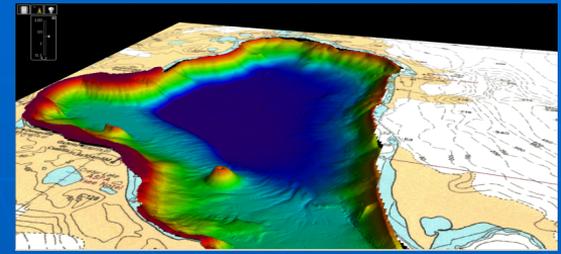


CSB Concept Study: NOAA R/V Bay Hydro II



CSB extracted from Coastal Explorer Electronic Charting System Data Logs

Next Steps



- Schedule next meeting date & location
- Intersessional virtual meetings to progress the IHO CSB policy document
- Expand CSB pilot projects
- Continued ingest CSB pilot project data into IHO DCDB
- DCDB infrastructure & interface enhancement to accommodate CSB data

