

IHO DCDB Report

Submitted by the IHO Data Centre for Digital Bathymetry (IHO DCDB)

SUMMARY

Executive Summary: This report summarizes the IHO DCDB activities since the previous GEBCO meetings in October 2015.

Action to be taken: See paragraph 6

Related documents: None

1. *Leadership transition:* Lisa Taylor has stepped down as Director of the IHO DCDB after accepting a new position as a NOAA organizational coach. Jennifer Jencks of NOAA will transition into the role on October 15, 2016.
2. *MACHC meeting:* The IHO DCDB director attended the Meso American – Caribbean Sea Hydrographic Commission (MACHC) meeting in Antigua in November and presented on the IHO Crowdsourced Bathymetry Working Group activities, GEBCO and the IHO DCDB.
3. *IHO CSB Meeting 2:* The IHO DCDB hosted IHO Crowdsourced Bathymetry Working Group Meeting 2 in Boulder, Colorado in February. The group discussed and made decisions regarding refining data format, metadata content, and data transfer processes based on lessons learned from the IHO/PYA/Sea-ID crowdsourcing pilot project.
4. *GEBCO Gazetteer of Undersea Feature Names interface:* The IHO DCDB secured limited funding from the US National Geospatial-Intelligence Agency to update supporting technology to ensure robust security and ability to leverage cutting edge development options (e.g., replaced Grails with Spring Boot MVC back end). The IHO DCDB coordinated with GEBCO's Subcommittee on Undersea Features Names (SCUFN) to review, prioritize, and scope the effort of requested enhancements and bug fixes in anticipation for future development work.
5. *IHO DCDB Interface Enhancement Project:* IHO DCDB developers expanded the IHO DCDB infrastructure to accommodate a new crowdsourced bathymetry (CSB) data stream from Rose Point Navigation Systems and researched and developed a new beta version of a CSB interactive map for discovery and access. The developers also explored various technology options for scalable storage to accommodate anticipated increasing data volumes. The IHO plans to complete this development work in 2017 by adding the ability to search for and extract CSB data.
6. The GGC is requested to
 - a. **Note** the contents of this report; and
 - b. **Take** any other action deemed appropriate.