

Report of the Crowdsourced Bathymetry Working Group to IRCC11

Jennifer Jencks
CSBWG Chair

Director, IHO Data Centre for Digital Bathymetry
jennifer.jencks@noaa.gov



Complete presentation available on IHO CSBWG8 website



Progress on IRCC Action Item

IRCC10:

- Decision 20: To endorse the CSB Guidance Document.
- Action 16: Chair to submit the CSB Guidance Document to the Council for endorsement and subsequent approval by MS (deadline: C-2).

B-12 Edition 1.0.0 submitted to C-2.

Subsequent changes required by C-2 incorporated into Edition 2.0.1 for approval by IHO Member States under IHO CL 11/2019 dated 25 January 2019.

35 Member States approved the adoption of B-12 out of 38 replies.

A follow-up IHO CL is being prepared with the full details, including responses to the comments provided.



Guidance on Crowdsourced
Bathymetry

To access the document:

https://www.iho.int/srv1/index.php?option=com_content&view=article&id=635&Itemid=988&lang=en



Working Group Meeting Summaries



CSBWG 6



Industry Day

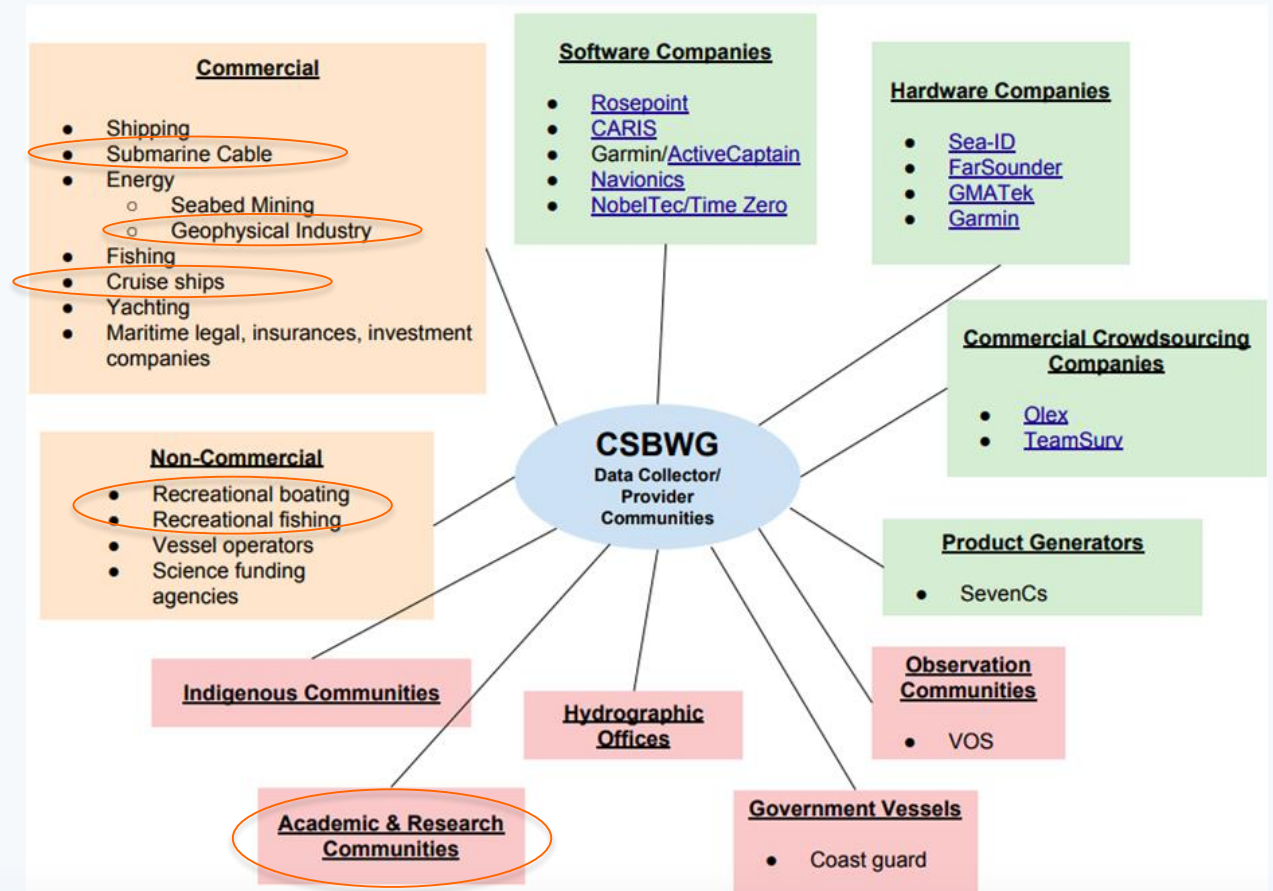


CSBWG 7



Significant Highlights in Various Sectors

- Representation at events & meetings is essential to raise awareness & progress contributions & participation.
- Current outreach strategies will focus on the Geophysical, Research Vessel, Cruise Liner, Submarine Cable, & Recreational Leisure sectors.
- Leading organizations & companies within each sector to be identified & approached to act as CSB ambassadors.
- Closer liaison with various IHO bodies, groups/organizations, & projects still needs to take place (eg: DQWG, MSDIWG, Seabed 2030)



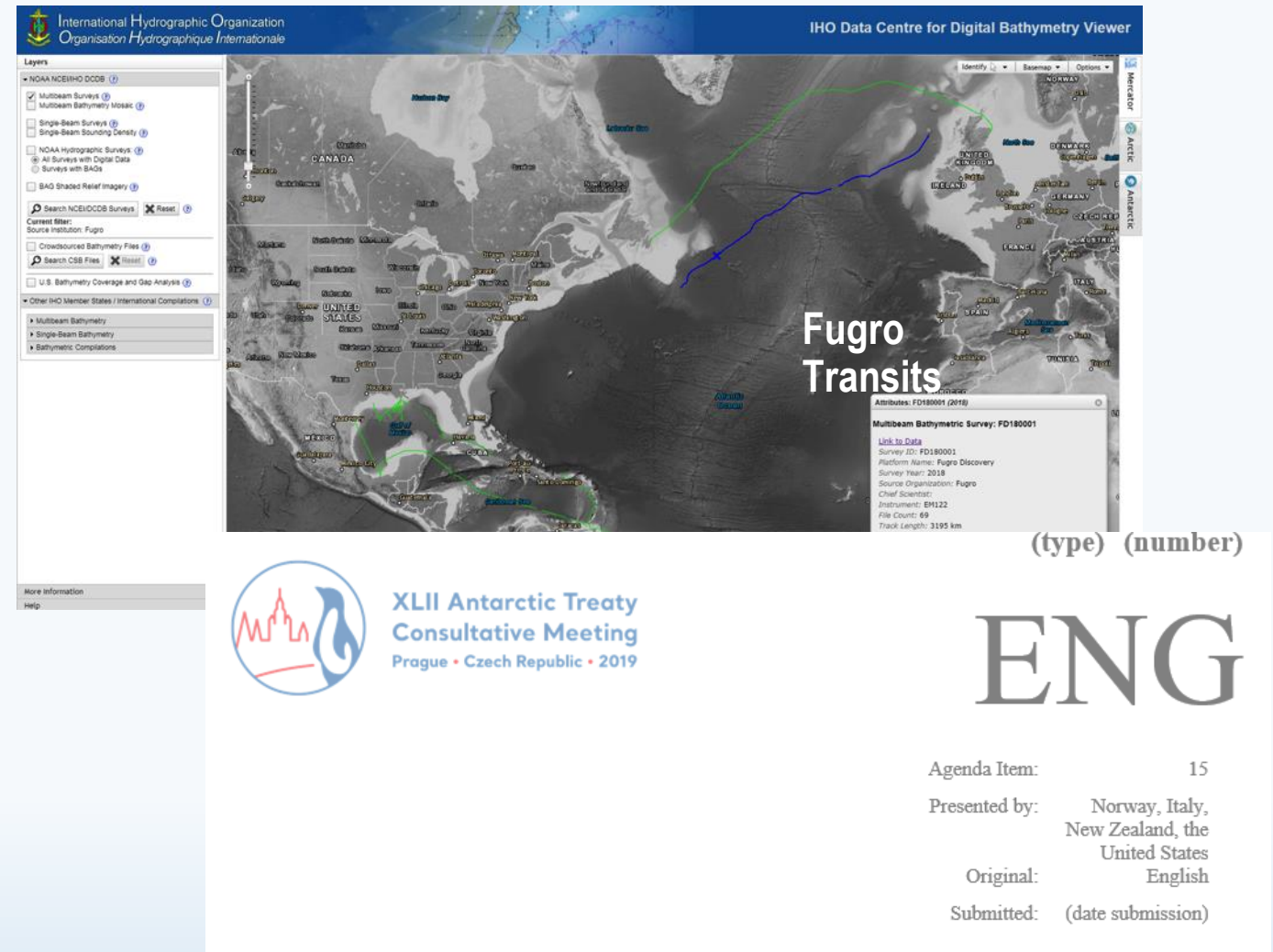
Significant Highlights in Various Sectors

Cruise Liner: Carnival Cruise Line & MacGregor

Marine Survey: Fugro

Seismic Survey: PGS

Research Vessel: Antarctic Treaty Consultative Meeting 42 (Prague, Jul '19)



International Hydrographic Organization
Organisation Hydrographique Internationale

IRCC11 June 2

Hydrographic Surveying of Antarctic Waters
Working Paper submitted by Norway, Italy, New Zealand, and the United States

Problems Encountered

There continues to be a need to overcome skepticism within parts of the IHO community and sections of the marine domain where an overly cautious focus on potential, although untested, legal issues and concerns on commercial exploitation of data is observed.

- *Increased awareness and information as well as stakeholder engagement/involvement should all help to overcome these reservations.*

There is a growing concern over the apparent lack of dedicated resources available within national HO's to process data available via the DCDB.

- *This is an issue that will need to be addressed for the full benefits of CSB to be realized and will require for HO's to consider engaging efforts and resources, including the development of automated processing, to integrate CSB data into their routines.*



Other Items of Note

The continued importance of liaison with other IHO bodies, as well as appropriate engagement with industry to progress the work items, was identified as a key enabler for the project.

There is a need to showcase various use cases of CSB data to indicate the benefits and how MS can utilize 'free' data for their own national uses.



Actions requested of IRCC

- a) Note the contents of this report;
- b) Encourage IHO Member States to release datasets or subsets into the public domain via the IHO DCDB;
- c) ***Request IHO Member States state their policy on data gathering restrictions within their maritime areas of jurisdiction, as requested in IHO CL 11/2019, to enable CSB activities to be undertaken;***
- d) Request IHO Member States to support the CSB initiative with positive actions, such as requiring all research vessels collect bathymetric data for late uploading, when on passage or when it does not interfere with other research activities;
- e) Request the IHO to support a scaled trial of CSB data collection as a follow on to earlier pilot programmes.
- f) Reappoint the WG to continue its work under the proposed revised ToRs; and
- g) Take what other action is deemed necessary.



Acknowledgements

David Wyatt (Executive secretary)

Serge Gosselin (Vice-Chair)

All the amazing CSB Working Group members

The IHO, GEBCO, SMEs and observers whose contributions are making this possible!



Final Thought – *UN Decade of Ocean Science for Sustainable Development*

- **195 UN member states** have given their support/approval
- SDG14 will not be achievable without a comprehensive map of the world ocean floor
- Some of these same member states do not fully support the CSB activity in their EEZ, yet have limited resources or capability to collect the data themselves.

