

Report of the Technical Subcommittee on Ocean Mapping

Submitted by Chair TSCOM (France)

**SUMMARY**

Executive Summary: This document provides details of the TSCOM activities and since GGC36 and the annual meeting for the GGC37.

Action to be taken: As described in paragraph 3

Related documents: None

1. Since GGC36, the TSCOM:
  - a. Released a 2020 version of the GEBCO grid in April
  - b. Consulted with SCRUM on the development of the data contribution form.
  - c. Continued providing technical review and support for the development of the GEBCO Grid Reviewing App.
  - d. Participated in Seabed 2030 technical team meetings.
  - e. Supported Metadata Working Group's review of existing metadata schemas and formalization of metadata requirements.
  - f. Updated IOC-IHO GEBCO Cookbook.
  
2. TSCOM held a joint meeting with SCRUM and SCOPE January 11-15, 2021 virtually hosted by the IOC, Shom and Map the Gaps virtually (from Paris, France). Reports were given on technical outputs from the GEBCO and Seabed 2030 efforts, as well as the Metadata Working Group, IOC-IHO GEBCO Cookbook Working Group, and IHO DCDB. The TSCOM meeting were split into two sessions, the first held on January 11, 2021 and the second on January 14, 2021. The following are critical takeaways from those meetings:
  - a. The Metadata Working Group raised the importance of developing a GEBCO and Seabed 2030 metadata schema that was harmonized with the other bathymetric data compilation schemas. Due to the significant interest and conversation, it was agreed that TSCOM would convene a separate discussion to discuss approaches for this process.
  
  - b. During discussions regarding the IOC-IHO GEBCO Cookbook (IHO Publication B-X), it was noted that modernization of the Cookbook was vital to its continuing success. It is requested that the GGC petition application the IRCC12 and IOC to convert B-11 to an e-publication format. It was also decided by the committee to disband the existing Cookbook Working Group and re-establish a Cookbook Editorial Board Project Team. The Chair and Vice Chair will draft new TORs for that project for review and approval by the TSCOM members.

c. During discussions on migrating the existing GEBCO website to a cloud implementation through various committee meetings, it became clear that more coordination and guidelines for maintaining the website were needed. The TSCOM Chair and Vice Chair will draft TORs for a new Website Working Group. It is anticipated that this working group will be led by the TSCOM chair and include the chairs and vice chairs of all four GEBCO subcommittees.

d. During a discussion and demonstration of the GEBCO Grid Reviewing App and during a discussion on the SRTM, it was discussed that GEBCO Seabed 2030 could improve its partnership with other global and regional bathymetric compilation efforts. The Chair and Vice Chair agreed to host a series of listening sessions with key stakeholders and Seabed 2030 project teams to identify areas for collaboration improvement.

e. The DCDB Director provided a report on the latest activities of the DCDB. She also provided details of the proposed future enhancements to the DCDB, which include map services. To guide the future enhancements, she recommended that TSCOM and SCRUM establish a joint working group to discuss web services and conduct a survey of existing bathymetric compilation tools. The TSCOM Chair and Vice Chair will work with the SCRUM Chair and Vice Chair and the DCDB Director to continue to refine the role of this working group and draft TORs.

### 3. ACTIONS

The GGC is requested to:

- a. Note the contents of this report;
- b. Take any other action deemed appropriate.