

Report of the Technical Subcommittee on Ocean Mapping

Submitted by Vice Chair TSCOM (Esri, United States)

SUMMARY

Executive Summary: This document provides details of the TSCOM activities and since GGC35 and the annual meeting for the GGC36.

Action to be taken: As described in paragraph 3

Related documents: None

1. Since GGC35, the TSCOM:
 - a. Conducted a review of the committee's Terms of Reference in coordination with SCRUM and SCOPE.
 - b. Attended the South and Western Pacific Regional Mapping Committee meeting and provide technical review and advice to the regional center.
 - b. Released a 2019 version of the GEBCO grid in April
 - c. Attended Atlantic and Indian Ocean Regional Mapping Committee meeting and provided technical review and advice to the regional center.
 - d. Provide technical review and support for the development of the GEBCO Grid Reviewing App.
 - d. Supported Metadata Working Group's review of existing metadata schemas and formalization of metadata requirements.
 - c. Hosted a joint TSCOM/SCRUM webinar in May to discuss the work of the committee. The meeting covered the following topics:
 - i. TSCOM/SCRUM Communication Tools
 - ii. Review of Harmonized ToRs for TSCOM and SCRUM
 - iii. Metadata Work Group Recap (Fogliini)
 - iv. GEBCO Cookbook Activities Update (Marks)
 - v. Recent Regional Mapping Meetings (SaWPAC & Atlantic/Indian)
 - vi. Regional Review of GEBCO 2019 Grid & SID Release
 - vii. Upcoming Regional Meetings
 - d. Created a GEBCO Slack instance to facilitate intersessional work
 - e. Provided technical support and review for development of MACHC Seabed 2030 app prototype.
 - d. Conducted a TSCOM webinar to review and provide feedback on a new TID and metadata scheme proposed by the Seabed 2030 technical team
 - e. Updated IOC-IHO GEBCO Cookbook.
2. TSCOM held a joint meeting with SCRUM and SCOPE November 4-5, 2019 in Portsmouth, NH. Reports were given on technical outputs from the GEBCO and Seabed 2030 efforts, as well as the Metadata Working Group and IOC-IHO GEBCO Cookbook Working

Group. A breakout session was held at the end of the meeting to review the 2019-2020 TSCOM work plan and budget requests. The following are critical takeaways from the meeting:

a. As part of the establishment of SCOPE, TSCOM reviewed its publication requirements and believes that the responsibility for B-10 (History of GEBCO) should be shifted to SCOPE. In discussions, the SCOPE Chair agreed.

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

c. With the creation SCOPE as a formal sub-committee, the two-day meeting during the GEBCO Guiding Committee week now has to include TSCOM, SCRUM, and SCOPE. The time allotted is not sufficient to properly conduct the work of the committees, receive progress reports on intersessional activities, properly discuss issues, formulate proposed work for the next intersessional period and generate a comprehensive written report to the GGC with fully considered requests for guidance or action of the GGC. In addition, the GGC does not have time to assess the subordinate body reports and consider appropriate guidance or actions prior to formally addressing them at the GGC meeting.

It is proposed that TSCOM, SCRUM and SCOPE meet over a four- or five-day period with a one or two days in the middle set aside for the symposium and possibly a more formal Seabed 2030 Project meeting one month prior to the annual GGC meeting. The subordinate bodies would then have one week to submit their reports and funding request to the GGC for their consideration and approval.

3. ACTIONS

The GGC is requested to:

- a. Note the contents of this report;
- b. Approve the transfer of responsibility of the B-10 from TSCOM to SCOPE;
- c. Petition to the IRCC-12 and IOC to convert the B-11 to a ePublication;
- d. Consider and approve the request articulated in paragraph 2.c;
- c. Take any other action deemed appropriate.