

TITLE

Submitted by Chair TSCOM (Netherlands)

SUMMARY

Executive Summary: This document provides details of the TSCOM activities since GGC39 and the annual meeting for the GGC40.

Action to be taken: As described in paragraph 3

Related documents: Presentation of TSCOM, Workplan TSCOM (agenda item 10.1.1.2)

1. Overview/Introduction

Since GGC39, the TSCOM:

- a. Released a 2023 version of the GEBCO grid
- b. Liaised with Seabed 2030 (visit of Chair TSCOM to the South and West Pacific Regional Mapping Community Meeting in Lima, Peru)
- c. Studied Applied Discrete Global Grid Systems (A-DGGS) WG
- d. Continued work within the Opportunistic Mapping Resource WG
- e. Continued feasibility study to use Deep Argo groundings as calibration for the GEBCO grid.
- f. Continued activities of the Meta Data WG
- g. Updated IOC-IHO GEBCO Cookbook
- h. Organized and conducted together with DCDB and Seabed 2030 Atlantic and Indian Ocean data centre a series of Webinars and a in person Workshop
- i. Held a VTC meeting in September

2. Discussion/Background information

- a. Now the digital Atlas is discontinued there is no reference for the GEBCO grid. It is listed in the TSCOM workplan as subject for review but the creation of the GEBCO Grid is missing from the IHO task list. GGC40 advice is needed
- b. Because of the Seabed 2030 review of its communication structure the technical meetings have been suspended until a new structure is in place
- c. The A-DGGS WG Continued it's work with support from Industry (CARIS). The GEBCO 2023 grid and TID grid have been converted to a Discrete Grid system. Results prove to be very positive but wide industry support is still missing.
- d. The OMR WG has issued a interim report (available on the TSCOM webpage on the GEBCO site). WG participated in the TSCOM DCDB industry workshop resulting in a better understanding of the way ahead

- e. The Deep ARGO work item is supposed to conclude on the feasibility of using data derived from groundings of ARGO floats for calibration of the GEBCO grid. First results have now been presented.
- f. After issuing the metadata schema, the MD WG will now look in how the schema can be used to improve the overall workflow and quality of the GEBCO grid. There is a great deal of synergy with the outcome of the TSCOM/DCDB Industry workshop and the work of the metadata WG is now embedded in the goals and objectives of the TSCOM/DCDB work item
- g. The Cookbook is an official IHO publication and as such proves difficult to maintain. Technology in data processing is advancing fast which collides with the slow IHO procedures. It is therefore decided that a on line wiki version will be developed in conjunction with the official publication.
- h. The industry Day which was scheduled for 2023 has been very successful. The outcome of the webinars and workshop have been translated into a vision document which is an important driver behind the 2024-2025 TSCOM workplan.
- i. Minutes will be available through the secretary.

3. Action

The GGC is requested to:

- a. **Note** the contents of this report;
- b. **STRONGY Advice** on the addition of the GEBCO grid to the list of IHO publications or find another way to acknowledge the GRID as the most important GEBCO deliverable;
- c. **Approve** 2024-2025 budget;
- d. **Approve** 2024-2025 workplan;
- e. **Take** any other action deemed appropriate.