

ESTABLISHMENT OF SCET

Submitted by Kim Picard (Interim Chair SCET) and Karolina Zwolak (Interim Vice-Chair SCET)

SUMMARY

Executive Summary: This document provides details of the current state of the Sub-Committee on Education and Training (SCET)

Action to be taken by the GGC:

- a. **Endorse** the proposed changes in ToRs and RoPs
- b. **Endorse** the roadmap to the formal establishment of the SCET

Related documents: General Bathymetric Chart Of The Oceans (GEBCO) Sub-Committee on Education and Training (SCET) Terms Of Reference And Rules Of Procedure (draft) - GEBCO_SCET-TOR-E-Draft_12.02.2021_v1.0

1. Background

At the meeting of the GEBCO Guiding Committee (GGC) held on 18-20 January 2021, it was agreed that a new Sub-Committee, the Sub-Committee on Education and Training (SCET), should be established. The main goals of the SCET would be to coordinate the GEBCO Project education and training strategy, and the engagement with the numerous academic institutions offering Ocean Mapping related courses globally beneficial to the overall GEBCO Project mission.

Following this decision, a SCET Establishment working group (WG) was formed. The WG created draft Terms of Reference (ToR) and Rules of Procedure (RoP) that were circulated to the full GGC, and a group of other GEBCO members previously engaged in education-related GEBCO activities, for comments.

The attached draft ToR and RoP (v1.0) take into considerations all comments provided. However, upon further review, the interim Chair and Vice-Chair of the WG would like to propose additional changes to this latest draft, as well as the following roadmap towards officially establishing the SCET.

2. Review of the ToR (section 1 of the draft document)

The draft ToR have been analysed in regards to their cohesion with other sub-committees ToRs and their relevance in meeting the overall goals of the SCET listed

above. The remarks for section 1.2 by Interim Chair and Vice-chair are presented in the table below:

Draft ToR	Suggested change and explanation
1.2.1 Regularly survey academic institutions providing Ocean Mapping programmes to identify any topics which will impact on the goals of GEBCO and the development of the next generation of Ocean Mappers.	1.2.1 Regularly survey academic institutions, and their associated Alumni programmes , providing Ocean Mapping programmes to identify any topics which will impact on the goals of GEBCO project and the development of the next generation of Ocean Mappers. <i>See the explanation of 1.2.8.</i>
1.2.2 Foster collaboration and engagement with the various academic institutions providing Ocean Mapping programmes.	1.2.2 Foster and maintain collaboration and engagement, including identifying placement opportunities , with the various academic institutions providing Ocean Mapping programmes, <i>See the explanation of 1.2.7.</i>
1.2.3 Identify the gaps in courses, where new technologies and methodologies are not part of the current programme and which would benefit progress towards the goals of the GEBCO Project.	1.2.3 Identify gaps in existing education and training programmes that, if addressed, would contribute to fulfilling the goals of the GEBCO Project. Where appropriate and/or requested, provide advice to the relevant institutions.
1.2.4 Identify requirements for further education and training, and engage with relevant institutions and organizations (academic and commercial) for opportunities for the provision of suitable courses and workshops.	No changes recommended.
1.2.5 Establish, support, and/or disband working groups or project teams, as needed, to carry out specific tasks or product development that advance the GEBCO Project.	No changes recommended.
1.2.6 Work closely with other GEBCO Sub-Committees and subordinate bodies of the IHO and IOC on matters of common interest.	No changes recommended.
1.2.7 Be the lead liaison between the GEBCO Project and the UNH Ocean Mapping Programme, providing comment on course content and future development, placement opportunities and acting as the conduit for communication between the GEBCO Project and UNH.	Delete and consider that the modifications made to terms 1.2.2 and 1.2.3 cover this term. <i>Nippon Foundation – GEBCO Training Programme delivered through the University of New Hampshire is a training program designed particularly for the preparation of the next generations of ocean mappers, for, but not exclusively, meeting GEBCO project mission.</i> <i>Cooperation between GEBCO and this Programme is thus critical to the success of both initiatives, and should be formalised through the establishment of an agreed governance structure and the provision of required support.</i> <i>SCET should play an important role in this cooperation.</i>

	<p><i>However, we recommend that the details of this relationship be reflected in a separate official document so that the SCET's ToR and RoP remain inclusive, generic and flexible.</i></p> <p><i>We thus recommend:</i></p> <ol style="list-style-type: none"> <i>1. deleting 1.2.7 since we consider that the content of 1.2.7 is reflected in the general terms 1.2.2 and 1.2.3.</i> <i>2. That the details of the cooperation between GEBCO and the NF-GEBCO training be consider as the 1st SCET activity to be undertaken (included in roadmap below)</i>
1.2.8 Act as the focal point for all Ocean Mapping Programme alumni, encouraging and providing opportunities to become involved in GEBCO Project activities and subordinate bodies.	<p>Delete, and add a reference to alumni in 1.2.1 and provision of opportunities in 1.2.2</p> <p><i>It is not clear if this point refers to UNH Programme Alumni or the alumni of similar other programmes</i></p> <p><i>Regardless of this clarification, we consider that it is the role of SCET and SCOPE to encourage upcoming ocean mappers to become involved in GEBCO project and its related activities during their training years, so that they continue beyond.</i></p>

3. Roadmap to SCET formal establishment

Date	Comment	Action
GGC-IS01 (May 21)	Seek endorsement of recommendations to ToR and RoP, as well as roadmap to initiating SCET.	All
In-between	Distribute ToR and RoP for final feedback.	Interim Chair SCET/ GEBCO committees and sub-committees
	Draft a list of SCET members.	Interim Chair and Vice-Chair SCET/ GEBCO committees and sub-committees
	Contact the potential SCET members for their interest, and potentially organize informal virtual meeting.	Interim Chair and Vice-Chair SCET
GGC-IS02 (assuming a meeting takes place around Sept 2021)	Seek endorsement of the SCET ToR and RoP.	Interim Chair SCET
	Present the initial members and seek further suggestions to membership.	Interim Chair SCET
In-between:	Contact other potential members suggested during GGC-IS02.	Interim Chair SCET
	Prepare SCET annual activity plan.	Interim Chair SCET/new members of SCET

	Draft proposed governance structure and cooperation ToR between SCET and the Nippon Foundation – GEBCO Training Programme at the University of New Hampshire.	Interim Chair SCET / GEBCO and Nippon Foundation Programme Director
	Identify relationship and propose way of cooperation between SCET and the Seabed2030 Alumni Coordinator.	Interim Chair SCET / Seabed2030 Project Director / Seabed2030 Alumni Coordinator
Two weeks before GGC38	Organize SCET meeting to - Vote for Chair/Vice-Chair of SCET - Discuss the activity plan.	Interim Chair SCET
GGC38 (January 2022)	Introduce the members, call out for others interested in participation.	Chair SCET
	Seek endorsement of annual activity plan.	Chair SCET