



GEBCO

INTERSESSIONAL GEBCO GUIDING COMMITTEE MEETING SCOPE ACTIVITIES

The aim of SCOPE is to coordinate the communications, outreach and external relations strategy and activities conducted to support and raise awareness of the GEBCO Project and to complement the focused outreach activities of the Seabed 2030 initiative. The Sub-Committee reports to the GEBCO Guiding Committee.

Eunmi Chang (Acting Chair), Tim Kearns (Vice-Chair)

1 – 2022 (GGC ISO1 2022) | 2022. 02. 02

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- Social, B10, World Map, Education Materials
- Symposium

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- Growth/direction
- Integration

06 Budget

- 2021 \$\$
- 2022 \$\$

01 2021 Activities

- Symposium 2021
- Symposium 2021-Redux
- Social Media initiation
- Asset development (B-10, Website WG, some education materials)

01.1 2022 Actions -

- Symposium 2022
- Social Media execution
- Asset deployment (B-10, Website WG, some education materials)
- Strategic Planning
- Engagement (internal)

02 Leadership / Membership

- Several new members added in 2021*
 - Observers / Voting Members
- Continued expansion in 2022
 - Could take a few forms...
- Chair of SCOPE – Dr. Hyo Sung resigned
- Acting Chair of SCOPE – Eunmi Chang
- Vice-Chair of SCOPE – Tim Kearns

*identified that this is not clearly reflected on GEBCO site

Growing SCOPE benefits GEBCO.



02.1 Dr. Hyo Sung

- Professor at Ewha Women's University (Seoul)
- Joined GEB CO in 2010
- Led developed of Outreach WG under TSCOM
- Spearheaded development of SCOPE
- Chair of SCOPE from initiation to Aug. 2021

Growing SCOPE benefits GEB CO.

03 Opportunities

- Development of an engaged and Active community
- Action pods to get work done
- External engagement (ie. ESP, others) to help
- Internal engagement for strategic planning

An opportunity for a profound impact.



04

Tactical



- B-10
- Website (GEBCO)
- World Map
- Education Materials
- Communication Channels
- Symposium



GEBCO

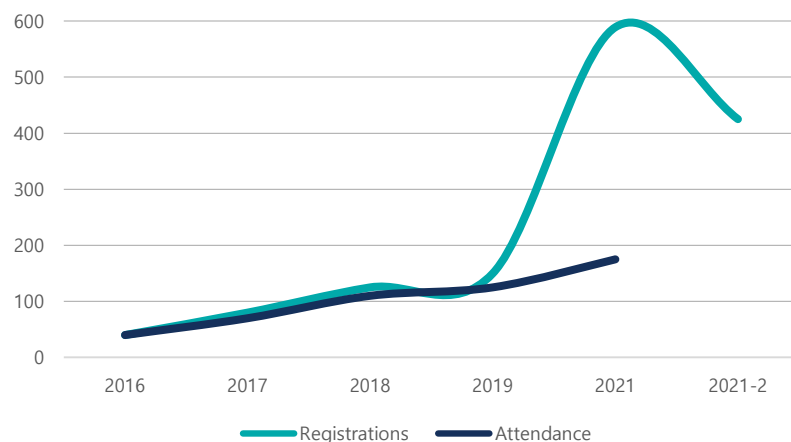
04.1 2021 Workplan

SCOPE tasks	Coordinator / key contracts	participants	Status
1. Slide template	Tim Kearns		Complete
2. GEBCO SNS monitoring	Jaya Roperez & Pauline Weatherer	SNS VTC meeting attendants and NH-Nippon alumni	Complete
3. Brand /Identity of GEBCO	Eunmi Chang & Tim Kearns & Sarah Couture		Paused
4. B-10 project (additional Chapter)	Eunmi Chang		In Progress
5. B-10 project (storybook)	Jaya Roperez	NH-Nippon alumni	In Progress
6. Website migration	Eunmi Chang & Sarah Couture		Paused
7. Update communication strategies with external consultants	Eunmi Chang & Sarah Couture	ESP-advisors	Paused
8. Map the gap Symposium	Tim Kearns & Jaya Roperez		Complete
9. Other outreach activities with Seabed 2030	Tim Kearns		In Progress
10. GEBCO world map : principles and thematic map development	Eunmi Chang		In Progress

MAP the GAPS SYMPOSIUM

A GEBCO EVENT ON BATHYMETRY

Symposium Statistics



04.2 Symposium

- 2-person band (needs growth)
- Year 12 for GEBCO – Year 6 for Convenors
- Steady growth – except for 2021-Redux
- Virtual considered a success
- 2022 Hybrid event planned – location TBD
- [YouTube](#) / Redux Recordings

04.4 B-10

A. Task : One of the main tasks of SCOPE is revise B-10 document. SCOPE decided to upgrade of B-10 document in three different versions in Jan, 2021.

B. Three Types of History of GEBCO

(1) to add one chapter to the first edition

(2) to make a concise version of B-10 document

(3) to make a short video for GEBCO 120 years

As there should be consistency among the three, (1) is one of the most important and basic materials for (2) and (3).

04.4 B-10

C. Roadmap for B- to publish in 2023 (to celebrate 120 years of GEBCO)

2021.Oct-2022 Jan : forming the preparation group (Marzia, Robin , Martin, Eunmi, Roxy)

2022.Jan-2022 May. : Finish the first draft from writer(s)

2022.June-2022 Nov. : Reflect comments from the preparation boards.

2022.Dec-2023 Apr. : Make (2) (3) complete and report guiding committee and publish

04.4 cont...

6. Website migration: status no further meetings for WEB site WG

7. Update communication strategies with external consultants .

We had discussed CEO of ESP advisor. No further outsourced consultation due to many negative comments.

Kat Overland (American Institute of Physics) have sent the exhibit on vema project and asked to link to GEBCO and GEBCO outreach Homepage.

The explanation of the link was made “GEBCO data has reflected the output from a lot of vessels.

One of them is R/V Vema. Let’s see its voyages for 30 years.” <https://history.aip.org/exhibits/vema/>

04.10 GEBCO world map : principles and thematic map development

Base Map

What to be updated

A. usage of 2021 GEBCO GRID instead of 2014 and NASA data

B. Update GGC members and UNESCO Logo

C. logos: Seadbed2030 + KHOA

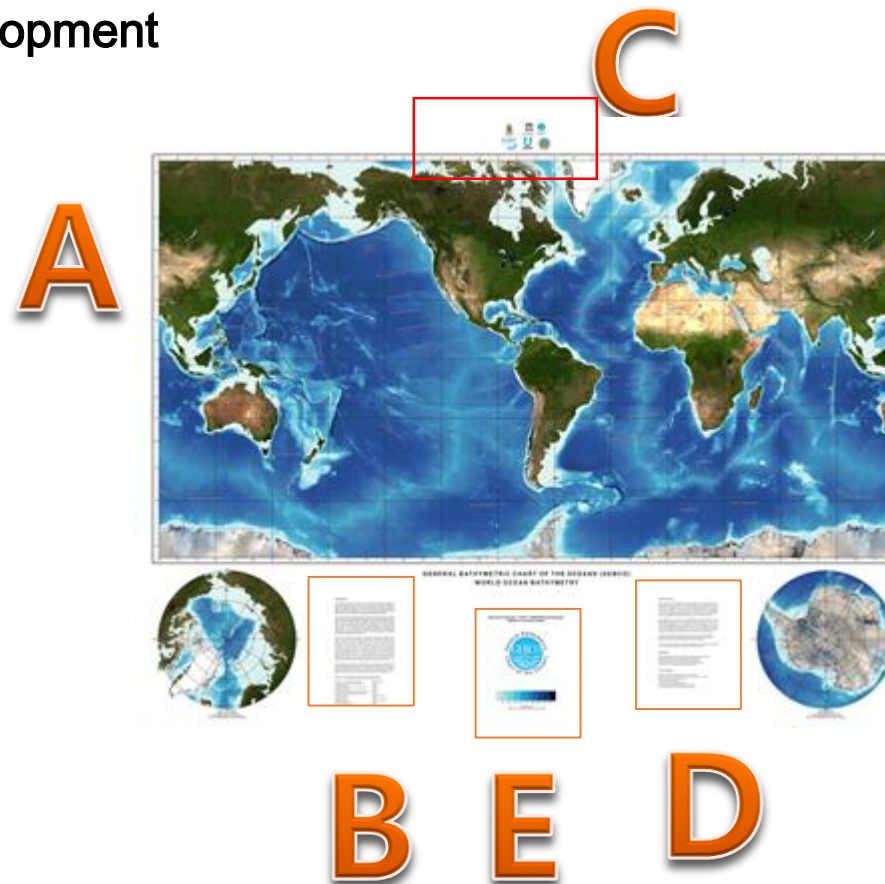
D. Methods of Production

What to be kept

E. color scheme and grades of depth

SCOPE members will be asked for comments on the base map

SCUFN members will be asked for comments on the undersea
feature names and portrayal



04.10

Data collection

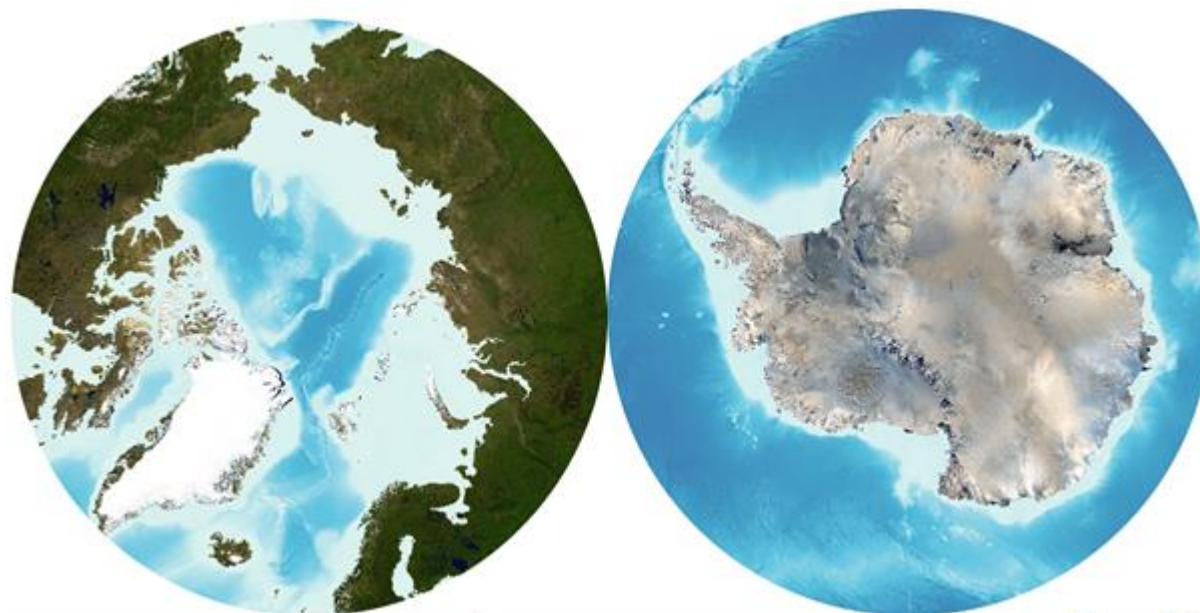


Conversion of each data
by UTM and Polar projection



RGB color scheme was
extracted from GEBCO
World Map 2012 and apply
the color to the new data set

<https://doi.pangaea.de/10.1594/PANGAEA.805734?format=html>



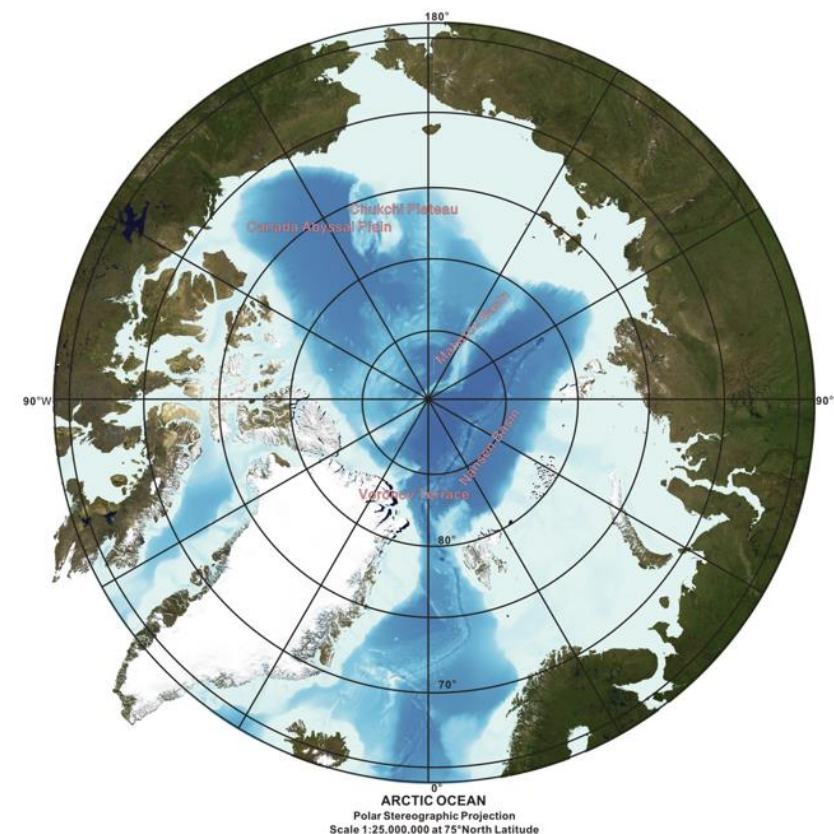
10.2 Thematic Map (GEBCO World Map with undersea features)

Data collection from SCUFN beta Gazetteer

Conversion the data into SHP file format

With the size of polygons and the lengths of lines were considered and years of register for points, undersea features were chosen

Based on the cartographic principles, the names are plotted using ADOBE Photoshop



04.10

<GEBCO Map Production Principles> 2012 version → 2022 version

Introduction

1.1 Goals of GEBCO

- Develop and constantly improve the authoritative description of global ocean depths.
- Act as the designated international authority for undersea feature names
- Promote education and training in ocean mapping

1.2 In order to promote GEBCO data to be used for fundamental for understanding ocean circulation, tides, tsunami forecasting, fishing resources, sediment transport, environmental change, underwater geo-hazards, infrastructure construction and maintenance, cable and pipeline routing and much more, the following principles shall apply in the relation to the production and use of GEBCO map products.

04.10

<GEBCO Map Production Principles>

2. Principles

2.1 The Primary GEBCO map product will be based on the relevant bathymetric datasets under the stewardship of GEBCO Primary Products.

2.2 Derived Products may then be created by any party through the inclusion of additional layers of information added to any GEBCO Primary Product.

2.3 A derived Product containing additional layers of information shall retain the title and getup of the GEBCO Primary Product including notes, caution, references and logos but shall clearly indicate any additional information in its title : for example

General Bathymetric Chart of the Oceans (GEBCO) World Ocean
Bathymetry together with...

04.10 <GEBCO Map Production Principles>

2.4 Any additional information in a Derived Product that is not included in the corresponding GEBCO Primary Product shall be properly referenced to include the source of the additional information; for example,

Names of the sea areas shown in this product are taken from...

Geological Plates tectonic information shown in this product is taken from... or and so on

Boundaries shown on this product are taken from...

2.5 The creation of a Derived Product based on a GEBCO Primary Product shall not require a license or permission for use provided that these guidelines are followed and the Derived Product is published on a not-for-the profit or not for financial gain basis. [Inquirer or consultation shall be done through Subcommittee of Communication Outreach and Public Engagement.](#)

04.10

<GEBCO Map Production Principles>

2.6 The compiler and publisher of a Derived Product shall clearly indicate their identity and the contact details on the Derived product.

2.7 Derived Products, once published, may be listed and made available alongside the relevant GEBCO Primary Products: for example, via the GEBCO website and [other related websites](#).

2.8 Versioning of GEBCO Primary Product shall be controlled by SCOPE.

2.9 No destructive simulation is allowed for a new applications or platforms such as metaverse for the users.

05 Visioning

- Strategic Planning
- Brainstorming
- External Consultants
- Internal Engagements
- Leadership changes

06 SCOPE Budget

- 2021 Budget unspent
- 2022 Budget planning in process
 - accepting volunteers
- Contracted vendors
- Considering additional funding



GEBCO

Thank you

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IHO

International
Hydrographic
Organization



unesco
Intergovernmental
Oceanographic
Commission