

GEBCO Seabed2030 Establishment Phase Report
Submitted by Nippon Foundation – GEBCO Seabed 2030 Establishment Team

SUMMARY

Executive Summary: We report on progress to date of the 6-month Establishment Phase of the Nippon Foundation – GEBCO Seabed 2030 Project.

Action to be taken: The GEBCO Guiding Committee are requested to review and endorse the report.

Related documents: See Appendices for documents

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1. Introduction

Mr Yohei Sasakawa (Chairman of the Nippon Foundation), in his opening address at the Forum for Future of Ocean Floor Mapping (FFOFM) in Monaco, June 2016, set forth the initiative to partner with GEBCO to cooperatively work towards mapping 100% of the topography of the World Ocean by 2030. After much planning and discussion between GEBCO and the Nippon Foundation, The Nippon Foundation - GEBCO Seabed 2030 Project was launched by Mr Yohei Sasakawa at the United Nations Ocean Conference in June 2017. The foundational documents of the project are the 'Roadmap' and the 'Business Plan'. Both documents are available on the Seabed 2030 website: <https://seabed2030.gebco.net/>

The Seabed 2030 Project officially began on 1st August 2017 when Year 1 funding from the Nippon Foundation became available. The Seabed 2030 Project begins with a 6-month Establishment Phase. However, work by the Establishment Team began immediately after the announcement at the United Nations Ocean Conference in June.

The purpose of the Establishment Phase is to complete all the management and logistical work required to set up the project and transition it to an operational state. On completion of the Establishment Phase, the Establishment Team will be dissolved and the project will move into the first 6-month Operational Phase of Year 1 of the project.

This document provides the GEBCO Guiding Committee and the GEBCO community with:

- an overview of the work completed collaboratively between the Nippon Foundation and GEBCO since the FFOFM to prepare for the project
- details of the scope and status of the Establishment Phase of the Seabed 2030 Project as of 16th October 2017.

2. Genesis of the Seabed 2030 Project

Much work, dialogue and discussion took place between the initial idea of the project at the FFOFM in June 2016 and the start of the project on 1st August 2017. A brief time line is presented with key dates.

15th to 17th June 2016. FFOFM

Mr Yohei Sasakawa sets forth the Seabed 2030 concept.

31st August 2016.

Robin Falconer, Martin Jakobsson and Graham Allen meet with Mr Unno, the Nippon Foundation, in London to further develop the concept of the Nippon Foundation – GEBCO Seabed 2030 Project.

31st Aug to 13th October 2016

Robin Falconer, Martin Jakobsson and Graham Allen, collaborating with Mr Unno develop the concept and early versions of the Seabed 2030 Road Map and the Business Plan.

13th and 14th October 2016

33rd GEBCO Guiding Committee (GGC) Meeting, Valparaiso, Chile

- Project idea discussed and endorsed by GGC

- Establishment Team was formed with the mandate to develop the project with Nippon Foundation.

31st October 2016

Establishment Team members meet with Mr Unno in London to further develop Seabed 2030 concept, the Road Map and Business Plan.

31st October 2016 to March 2017

Establishment Team continue to develop the Seabed 2030 concept, the Road Map and Business Plan in close collaboration with the Nippon Foundation.

2nd and 3rd March 2017

Robin Falconer, Martin Jakobsson and Graham Allen meet with Mr Unno in Tokyo to develop the Seabed 2030 concept.

March to June 2017

Establishment Team complete the Seabed 2030 Road Map, Business Plan and application to the Nippon Foundation for Year 1 funding.

June 2017

Year 1 application for Seabed 2030 Project submitted to the Nippon Foundation

6th June 2017

Launch of The Nippon Foundation - GEBCO Seabed 2030 Project by Mr Yohei Sasakawa at the United Nations Ocean Conference.

15th June 2017

Seabed 2030 Roadmap published. The Road Map articulates the rationale and need for the Seabed 2030 Project and was collective GEBCO effort involving 11 writers and 6 reviewers. https://seabed2030.gebcoset.org/documents/seabed_2030_roadmap_v10_low.pdf

1st August 2017

Seabed 2030 Project begins with Establishment Phase.

3. Establishment Phase Plan

The scope of the Establishment Phase is documented in the Establishment Phase Terms of Reference – see Appendix 2. An Establishment Team was convened to complete the work and was made up of GEBCO Guiding Committee members and independent contributors.

The Establishment team is:

- Martin Jakobsson
- Robin Falconer
- Graham Allen
- Marzia Rovere
- Lisa Taylor
- David Heydon
- David Millar
- Larry Mayer

More details on the Establishment team are in Appendix 1.

The goals of the Establishment Phase are to:

1. Recruit the Project Director
2. Establish the Regional Data Assembly and Coordination Centers (RDACC)
3. Establish the Global Data Assembly and Coordination Center (GDACC)
4. Establish the Project Team
5. Implement the required monetary accounts and governance at IHO
6. Commence capacity development review
7. Initiate outreach to ocean mapping community
8. Report to stakeholders
9. Transition to operational phase

Details of each activity are in the Terms of Reference in Appendix 2. Section 3 reports on the current status of each activity

3. Establishment Phase Management

- A subset of the Establishment Team (Martin Jakobsson, Robin Falconer, Graham Allen and Lisa Taylor) meet weekly online to:
 - Plan and progress activities
 - Consider proposals for allocating Establishment Phase funds.
 - Approve spending proposals and payments.
- Between weekly meetings, discussions and decisions are made via email and skype.
- Advice and input is requested of the wider Establishment Team as is required on specific activities.

4. Establishment Phase Update

While the official start of the Establishment Phase was 1st August, the Establishment Team began working on the Establishment Phase activities some time before.

4.1. Recruit the Project Director

Current status:

In person interviews of 3 shortlisted candidates will take place at National Oceanography Centre, Southampton, UK on 23rd and 24th October. Interview panel is a sub-set of the Establishment Team (see Appendix 1)

Progress:

- The Establishment Team prepared a Position Description. (See Appendix 3)
- The position was advertised in July and August in a wide number of locations including:
 - The Seabed 2030 Website
 - The GEBCO website
 - Nature
 - Economist
 - Science

- LinkedIn
- www.earthworks-jobs.com
- Distributed through GEBCO folk email distribution
- RDACCs and GDACC
- NERC Marine Science email distribution list
- GEBCO Forum for Future Ocean Floor Mapping email distribution list
- Seabed 2030 More information list
- EMODNET community
- On the closing date of 25th August, 16 applications had been received
- The Establishment Team reviewed all applications and agreed a short list of 3 candidates to in-person interviews
- The application details of the 3 shortlisted candidates were shared with:
 - Mr Unno, Nippon Foundation
 - Robert Ward, ex-Secretary General of IHO
 - Mathias Jonas, Secretary General of IHO
 - Julian Barbieri, IOC
 And they were each invited to provide their comments on suitability to the Establishment Team
- In-person interviews have been scheduled

Next Steps:

- In-person interviews will be held
- Interview panel will deliberate and identify which candidates are acceptable
- Interview panel will make an offer to the preferred candidate
- Director to be in post as soon as is possible
- Location of Director will be mutually agreed between Director and Establishment Team

4.2. Establish the Regional Data Assembly and Coordination Centers (RDACC)

Current status:

RDACC	Host	Lead
Southern Ocean	Alfred-Wegener-Institut für Polar-und Meeresforschung, Bremerhaven, Germany	Boris Dorschel
Atlantic & Indian	Lamont–Doherty Earth Observatory, Columbia University, New York, USA	Vicki Ferrini
Arctic & N Pacific	- Stockholm University, Sweden - Center for Coastal and Ocean Mapping/Joint Hydrographic Center University of New Hampshire, USA	- Martin Jakobsson - Larry Mayer
South and West Pacific	National Institute of Water and Atmospheric Research Ltd, Wellington, New Zealand	Geoffroy Lamarche

Progress:

- Detailed planning for the establishment of the GDACC and RDACC will be undertaken at the Project Team kick off meeting

Next Steps:

- Project Team kick off meeting at National Oceanography Centre, Southampton, UK on Wednesday and Thursday, 25th and 26th October

4.3. Establish the Global Data Assembly and Coordination Center (GDACC)

Current status:

The GDACC will be hosted by the National Oceanography Centre, Southampton, UK. Interim GDACC lead is Graham Allen.

Progress:

- Detailed planning for the establishment of the GDACC and RDACC will be undertaken at the Project Team kick off meeting.

Next Steps:

- Project Team kick off meeting at National Oceanography Centre, Southampton, UK on Wednesday and Thursday, 25th and 26th October

4.4. Establish the Project Team

Current status:

The Project Team consists of the Project Director (to be recruited) and the RDACC and GDACC leads.

Progress:

The Project Team will convene for the first time at the Project kick off meeting at National Oceanography Centre, Southampton, UK on Wednesday and Thursday, 25th and 26th October

Next Steps:

- Project kick off meeting.
- Participants at the Project kick off meeting:
 - GDACC lead
 - RDACC leads
 - Pauline Weatherall (GEBCO Digital Atlas Manager)
 - Lisa Taylor (facilitator and communication consultant)

4.5. Implement the required monetary fund accounts and governance at IHO Secretariat

Current status:

- All processes and document templates established and in place for management of Seabed 2030 Project funds.

Progress:

- Spending proposal template agreed with IHO Secretariat
- Request for payment template agreed with IHO Secretariat
- In person meeting to agree processes and templates: Graham Allen, Ghislaine Fauchois and David Wyatt at IHO Secretariat.
- Approval processes for proposals and payments agreed with IHO Secretariat.
- Established financial management process at GDACC

Next Steps:

- Use of agreed process for all Seabed 2030 spending

4.6. Commence capacity development review

Current status:

Initiating the capacity development review is awaiting available time in the Establishment Team

Progress:

- No progress to date; efforts of Establishment Team have been focused on the other more urgent Establishment Phase goals

Next Steps:

- Establishment Team continually review team availability and assess ability to initiate this activity
- There is a possibility that during the Establishment Phase, lack of resource availability will result in the review not starting. If this happens, the responsibility to initiate the capacity development review will transition to the Project Director in the Operational Phase.

4.7. Initiate outreach to ocean mapping community

Current status: Establishment Team continue to identify and support outreach opportunities and respond to requests for support from GEBCO Community.

Progress: Outreach and communication completed to date:

Date	Event	Who
June 2017	Announcement of Nippon Foundation – GEBCO Seabed 2030 Project at UN Ocean Conference, UN, New York, USA.	Mr Sasakawa, Nippon Foundation
7-Jun-2017	Seabed 2030 Website published https://seabed2030.gebco.net/	GDACC

7-Jun-2017	Nippon Foundation Press Release	Nippon Foundation
7-Jun-2017	GEBCO Press Release	Establishment Team
14-Jun-2017	Seabed2030 twitter account opened: @seabed2030	GDACC
12-Jul-2017	Presentation to NOAA workshop	Rochelle Wigley
7-Jul-2017	Email update to GEBCO Folk	Establishment Team
13-Jul-2017	Article in The Smithsonian: http://www.smithsonianmag.com/science-nature/first-complete-map-ocean-floor-stirring-controversial-waters-180963993/	The Smithsonian.com
19-Jul-2017	Presentation to AtlantOS (WP2) meeting, Paris CDG	Pauline Weatherall
2-Aug-2017	Article in Hydro International: https://www.hydro-international.com/content/article/new-technology-to-assist-in-mapping-the-ocean-floor	Raitt Orr & Associates
Sep-2017	Presentation at OCEANS 17 Anchorage	Vicki Ferrini

Next Steps: Future outreach and communication in prep:

1. Introduction to Seabed 2030 Video
2. 6-page pull out article in Hydro International (publish October 2017)
3. Article in Sea Technology
4. Article in Geosciences special issue on mapping
5. Nippon Foundation Seabed 2030 Press Conference, Tokyo, 20th November 2017
6. AGU New Orleans December 2017
 - o 2 sessions:
 - [OS020: Seafloor Mapping - Progress, Discoveries, Applications, and Collaborations](#)
 - New Perspectives on Seafloor Morphology and Geophysical Properties
 - Vicki Ferrinni and Rochelle Wigley are on the panel.
 - Martin Jakobsson invited session speaker
7. Vicki Ferrinni presenting at Ocean Sciences, Portland, USA, February 2018
8. Seabed 2030 to attend [WOC 5th Sustainable Ocean Summit](#), Halifax, Canada, 29 Nov-1 Dec 2017

4.8. Reporting

Current status:

Reporting on progress of the Establishment Phase continues periodically and on major milestone events.

Progress:

Date	Reporting to	Establishment Team representative	
7 th June 2017	<ul style="list-style-type: none">• Robert Ward (IHO)• Julian Barbieri (IOC)	Graham Allen	Verbal progress update and ppt
6 th July 2017	<ul style="list-style-type: none">• David Wyatt (IHO Associate Director)• Tony Pharaoh (IHO Associate Director)	Graham Allen	Progress update via phone conference call
6 th July 2017	Mr Unno (Nippon Foundation)	Graham Allen	Progress update meeting in London, UK
7 th July 2017	GEBCO folk email distribution	Robin Falconer	Seabed 2030 progress update report
7 th July to 9 th July 2017	<ul style="list-style-type: none">• David Wyatt (IHO Associate Director)• Tony Pharaoh (IHO Associate Director)	Graham Allen	Email discussion on Seabed 2030 Governance structures
6 th Sep 2017	Mr Unno (Nippon Foundation)	<ul style="list-style-type: none">• Graham Allen• Robin Falconer (Skype)	Progress update meeting in London, UK
8 th Sep 2017	Mathias Jonas (Secretary General IHO)	Graham Allen	Progress update meeting at IHO Secretariat, Monaco
8 th Sep 2017	<ul style="list-style-type: none">• David Wyatt (IHO Associate Director)	Graham Allen	Discussions on Seabed 2030 Project financial management

Note: throughout the period June to October, there has been an open dialogue via email between the Establishment Team and Mr Unno on various aspects, planning and progress of the Establishment Phase.

Next Steps:

- Publish this update to the GEBCO Guiding Committee meeting
- Distribute this update to the GEBCO community.
- Report progress on recruiting the Project Director as appropriate.
- 27th October 2017. Progress update meeting with Mr Unno in London, UK
- Present a further update at the GEBCO Guiding Committee meeting in Busan in November.

4.9. Transition

Current status:

No work has been completed on the transition from the Establishment Team to the Operational Phase.

Next Steps:

- Planning for the transition will commence once a Project Director is in place and the Establishment Phase is more complete.

5. Establishment Phase Finances

5.1. Seabed 2030 Establishment Phase Budget

A high level Establishment Phase budget was proposed in the Seabed 2030 Business Plan:

Activity	Budget (US\$)
Communication and Outreach	20,000
Meetings and Travel	30,000
Project Director Recruitment	20,000
TOTAL	70,000

5.2. Fund allocation and spending details

A subset of the Establishment Team (Martin Jakobsson, Robin Falconer, Lisa Taylor and Graham Allen) have further allocated the Establishment Phase budget to specific activities to achieve the Establishment Phase goals:

Activity	Item	Amount (US\$)	Who
Comms	Attendance at OCEANS 17 ANCHORAGE	1,500	Vicki Ferrini
Comms	Publicity material and support	15,000	Raitt Orr & Associates
Comms	Seabed 2030 Promo video	6,500	
	Comms TOTAL	23,000	
Meetings and Travel	Attendance at Tokyo Press conference 20-Nov-17	2,000	Establishment Team
Meetings and Travel	Graham visit IHO to discuss money	900	Graham Allen
Meetings and Travel	Meeting with the NF in Tokyo (1-5 August 2017)	1,500	Robin Falconer
	Meetings TOTAL	4,400	
Project Director Recruitment	Advertising costs	5,000	NOC-BODC
Project Director Recruitment	Candidate interview expenses	10,000	Candidates
Project Director Recruitment	Interview panel travel and subsistence expenses	19,000	Establishment Team
Project Director Recruitment	Interview panel hotel expenses	2,325	Graham Allen
	Recruitment TOTAL	36,325	

Currently \$63,725 has been allocated to specific activities and there is \$6,275 of unallocated funds available.

Appendices

Appendix 1 Establishment Team Members

Name	Affiliation	Country	GEBCO role	Member of the interview panel for Project Director
Graham Allen	British Oceanographic Data Centre	United Kingdom	GEBCO Guiding Committee member	Yes
Robin Falconer	Robin Falconer Associates Ltd	New Zealand	<ul style="list-style-type: none"> • GEBCO Guiding Committee member • Chair of Nippon Foundation GEBCO Training Project Management Committee 	No
David Heydon	Deep sea mining expert	Australia		No
Martin Jakobsson	Stockholm University	Sweden	<ul style="list-style-type: none"> • Vice-Chair GEBCO Guiding Committee member • Nippon Foundation GEBCO Training Project Management Committee • Chair of IBCAO 	Yes
Larry Mayer	Center for Coastal and Ocean Mapping/Joint Hydrographic Center UNH	USA	<ul style="list-style-type: none"> • GEBCO Scientific advisor 	No
David Millar	Fugro	USA		Yes
Marzia Rovere	Istituto di Scienze Marine - CNR	Italy	GEBCO Guiding Committee member	Yes
Lisa Taylor	National Centers for Environmental Information/NOAA	USA	Ex- GEBCO Guiding Committee member	Yes

Appendix 2 Establishment Phase Terms of Reference

See attached file

Appendix 3. Nippon Foundation – GEBCO Seabed 2030 Project Director Position Description

See attached file

Appendix 4 Project Team Kick off meeting Agenda

See attached file