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The Nippon Foundation-GEBCO Seabed 2030 Project

## GEBCO

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    IHO[IHO International Hydrographic Organization] --- GGC[GEBCO Guiding Committee]
    UNESCO[UNESCO United Nations Educational, Scientific and Cultural Organization] --- GGC
    IOC[IOC Intergovernmental Oceanographic Commission] --- GGC
  
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GEBCO Guiding Committee

- ' The **General Bathymetric Chart of the Ocean**'
- '... a joint project of **IHO & IOC**, managed by the GEBCO Guiding Committee (GGC)'
- '...aiming to provide the most authoritative, publicly-available bathymetry data sets of the world's oceans.'
- '... largely a **voluntary** community of international **scientists** and **hydrographers** collaborating with the support of their parent organizations.'

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The Nippon Foundation-GEBCO Seabed 2030 Project

### SEABED 2030

A collaborative project between The Nippon Foundation and GEBCO to inspire the complete mapping of the world's ocean by 2030 and to compile all bathymetric data into the freely-available GEBCO Ocean Map.



**June 2016**







**June 2017**



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The Nippon Foundation-GEBCO Seabed 2030 Project

### Seabed 2030 Management

**Management**



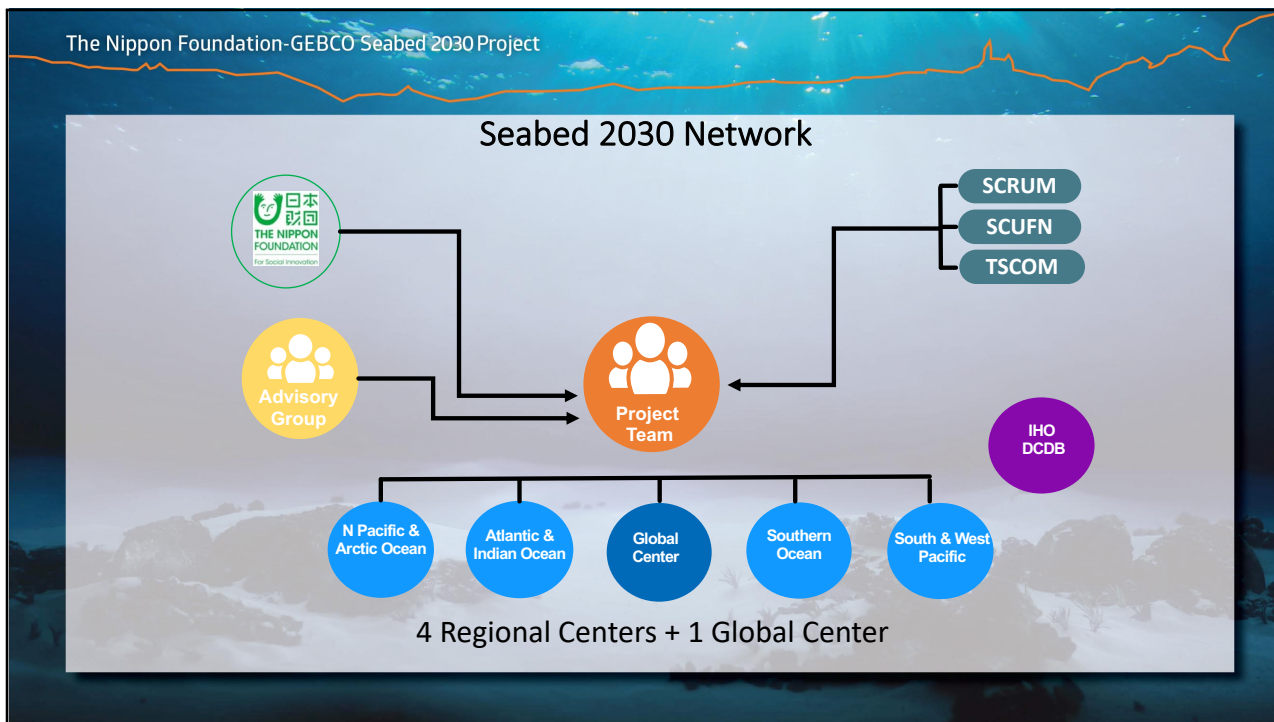

Seabed 2030 reports to  
GEBCO Guiding Committee

**Strategy**

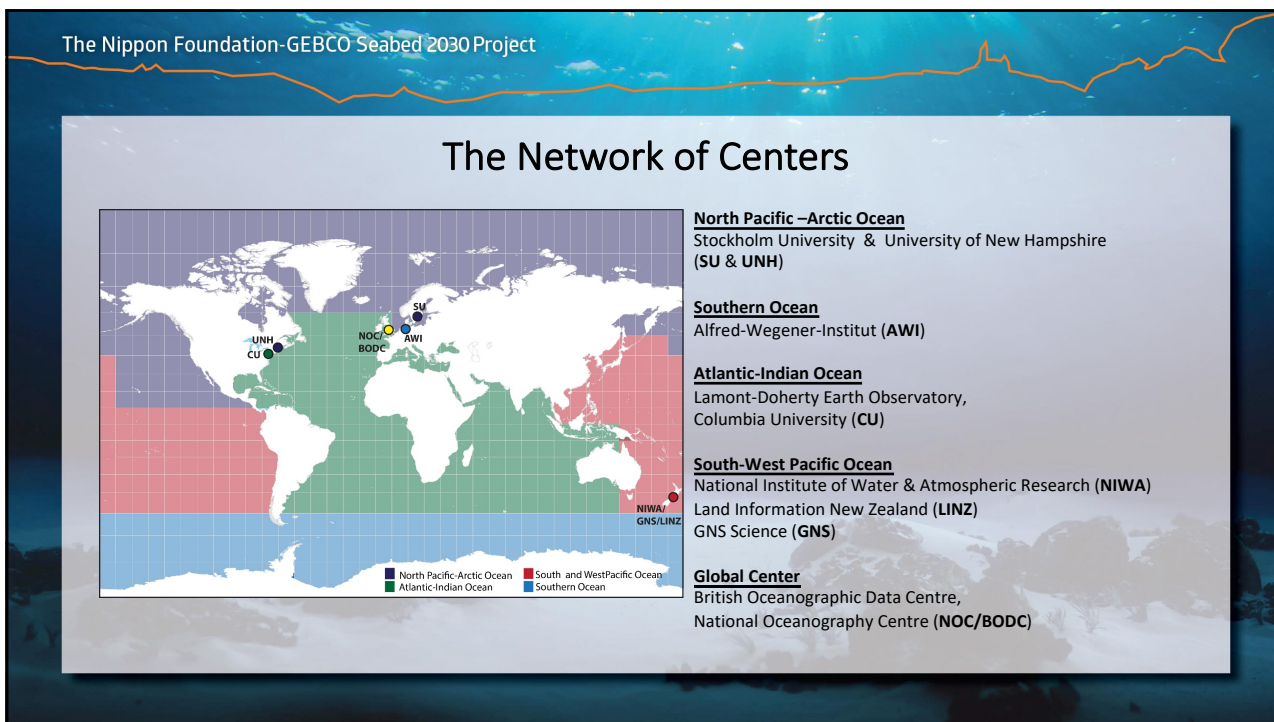


Sponsors Meeting:  
Secretariats of IHO, IOC & The Nippon Foundation

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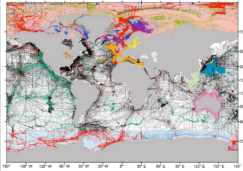


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### Seabed 2030 Phase 1 Existing Data



GEBCO 2014  
30-arc second Grid

- Ingest all available existing data (Y)
- Catalogue embargoed existing data (Y)
- Develop new high-res GEBCO product
- Develop user tools for GEBCO products

$$X + Y + Z = 100\%$$

Data IN  
GEBCO

Data NOT in  
GEBCO

'Map the Gaps' = ocean NOT mapped

### Seabed 2030 Phase 2: Mapping the Gaps

$$X + Y + Z = 100\%$$

➤ **Technology Innovation**

- What can Seabed 2030 do to accelerate uptake of technology to accelerate rate of bathymetric mapping?

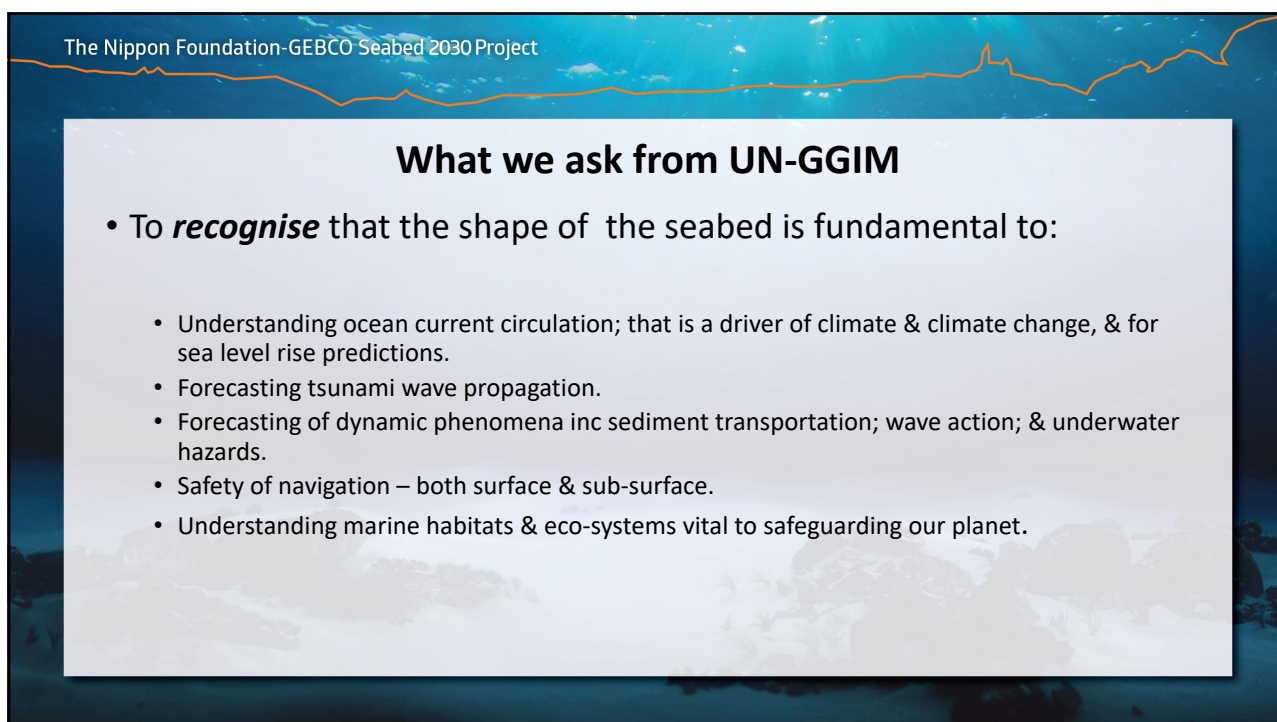
➤ **Map the Gaps**

- Use GEBCO Grid to inform location of future mapping
- Advocate for greater mapping activity
- Identify funding for mapping expeditions





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## What we ask from UN-GGIM

- To *note* that:
  - The ocean covers more than 70% of the Earth, yet today we have mapped no more than 15% of that ocean.
  - We know more about the surface of Mars than we do our own Earth.

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## What we ask from UN-GGIM

- To *note* that the **Nippon Foundation-GEBCO Seabed 2030 Project**, *co-sponsored* also **by** the Intergovernmental Oceanographic Commission (IOC) of the **United Nations** and the International Hydrographic Organization (IHO):
  - Seeks to deliver 100% mapping of the Seabed by the Year 2030 through collaboration & cooperation with public and private sectors to:
    - Map remote Ocean Frontiers
    - Speed up collection of data through Crowdsourcing
    - Advance technology and innovation for data collection
  - Data will be incorporated within the publicly-available grid managed by GEBCO, which operates under the auspices of IOC and IHO.

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### What we ask from UN-GGIM

- To **Encourage** UN Member States to support the Seabed 2030 Project by:
  - Promoting the vital need to map the entire seabed both within the public and private sectors as appropriate.
  - Promoting technological innovation that will accelerate seabed mapping
  - Making national seabed mapping data available for Seabed 2030 use in the GEBCO grid
    - Archived data/ existing & future project data/crowdsourced data
  - Considering appropriate financial and/or in-kind support for discrete national/international seabed mapping projects where data can be used by Seabed 2030 in the GEBCO grid.

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### Thank you

Sponsors:



Regional and Global Center hosts:



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