



Briefing on the work of GEBCO



What is GEBCO?

GEBCO aims to provide the most authoritative publicly-available bathymetry of the world's oceans.

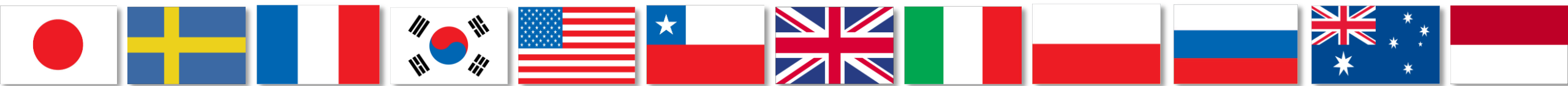
It operates under the joint auspices of the International Hydrographic Organization (IHO) and the Intergovernmental Oceanographic Commission (IOC) of UNESCO



What is GEBCO?

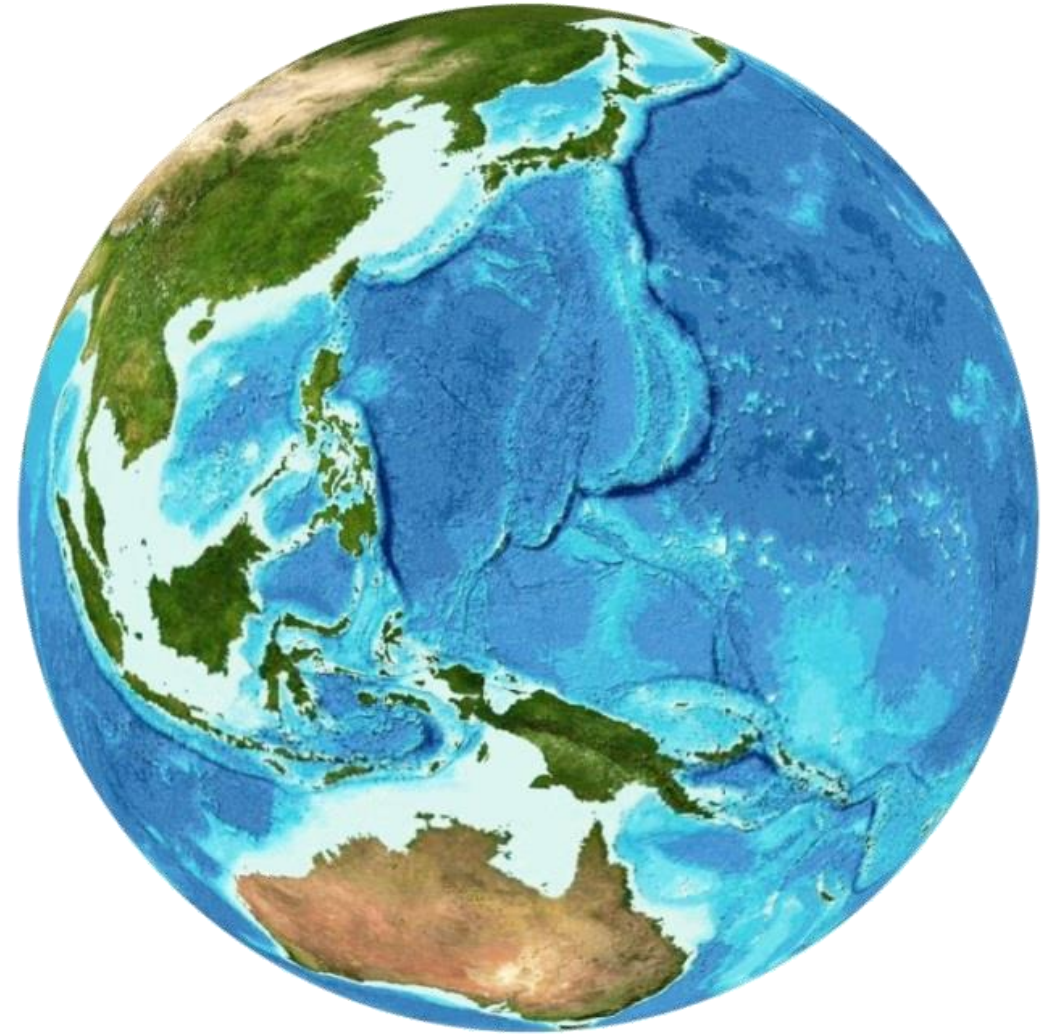
GEBCO's work is directed by a *Guiding Committee* and supported by *sub-committees* and *ad hoc working groups*:

- Technical Sub-Committee for Ocean Mapping (TSCOM)
 - IHO-IOC GEBCO Cook Book Working group
- Sub-Committee for Undersea Feature Names (SCUFN)
- Sub-Committee for Regional Undersea Mapping (SCRUM)
- Sub-Committee for Outreach and Public Engagement (SCOPE)



GEBCO Products

- Global gridded bathymetric data
 - GEBCO 2014: 30 arc-second grid
 - GEBCO 2019 15 arc-second grid
- Gazetteer of Undersea Feature Names
- Digital Atlas
- Grid viewing software
- Printable maps
- Web Map Service (WMS)
- IHO-IOC GEBCO Cook Book



Capacity-building Initiative: Postgraduate Certificate in Ocean Bathymetry



Funded by:

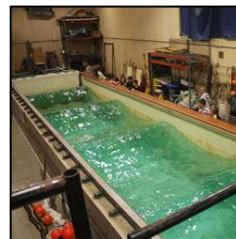
The Nippon Foundation of Japan

Taught at:

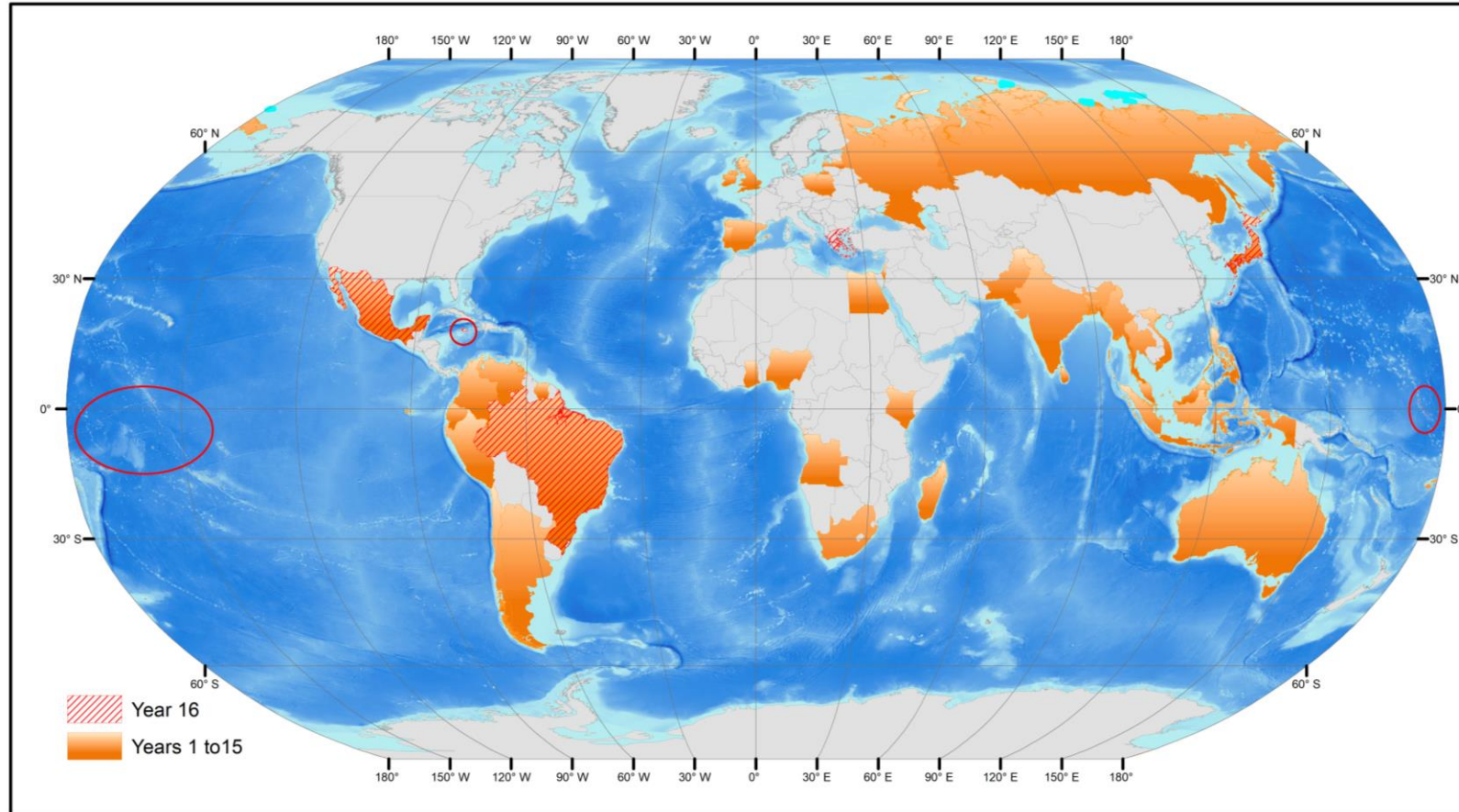
The Center for Coastal and Ocean Mapping / Joint Hydrographic Center;
University of New Hampshire, USA



Training a new generation of scientists and hydrographers in ocean bathymetry



Capacity-building Initiative: Nippon Foundation / GEBCO Alumni



96 Scholars from 43 coastal states over last 16 years!



Capacity-building Initiative: Postgraduate Certificate in Ocean Bathymetry



Home » Training

Nippon Foundation/GEBCO Training Program



GEBCO has been funded by the Nippon Foundation, based in Tokyo, Japan, to train a new generation of scientists and hydrographers in ocean bathymetry. The twelve-month course, leading to a Postgraduate Certificate in Ocean Bathymetry (PCOB), is held at the University of New Hampshire, USA.

The [application process](#) for entry onto the course in 2020 is now open. The 17th course will begin in late August 2020 (pending funding to be confirmed by the end of March 2020 by the Nippon Foundation).

Hear about the perspectives of the impact of the programme from GEBCO colleagues and scholars.

Jump to

- [> Postgraduate Certificate in Ocean Bathymetry](#)
- [> Current Students & Scholars](#)
- [> Center for Coastal and Ocean Mapping / Joint Hydrographic Center \(at UNH\)](#)

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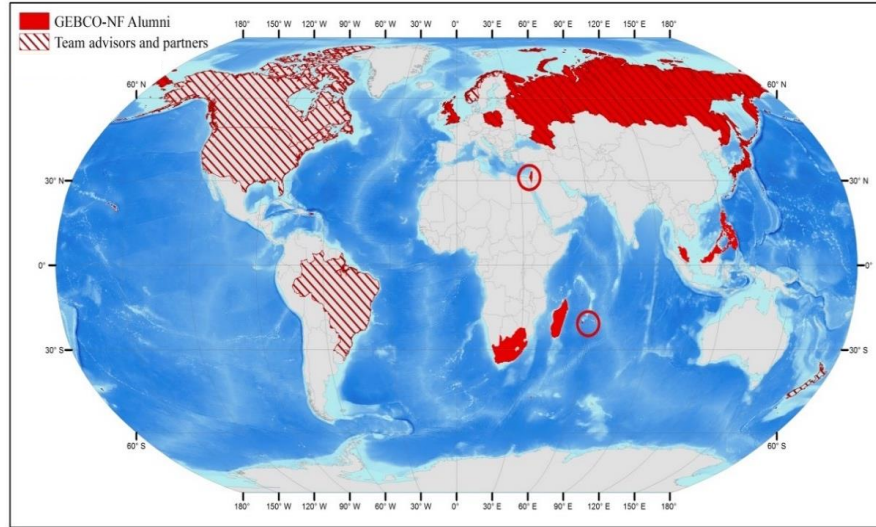


**Applications now
being accepted!**





GEBCO-NF Alumni Team



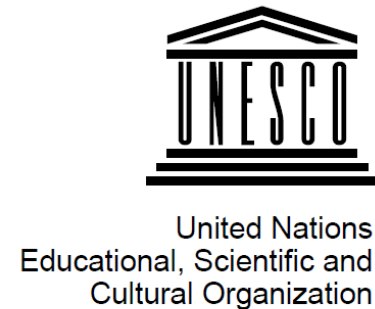


The Nippon Foundation – GEBCO Seabed 2030 Project

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.



-The **Nippon Foundation** is a private Japanese-based, non-profit [grant-making organization](#) with a mission based around philanthropic activities to pursue global [maritime development](#) and assistance for [humanitarian work](#).

-The **General Bathymetric Chart of the Oceans (GEBCO)** organization operates under the joint auspices of the [International Hydrographic Organization](#) (IHO) and the [Intergovernmental Oceanographic Commission](#) (IOC) of UNESCO



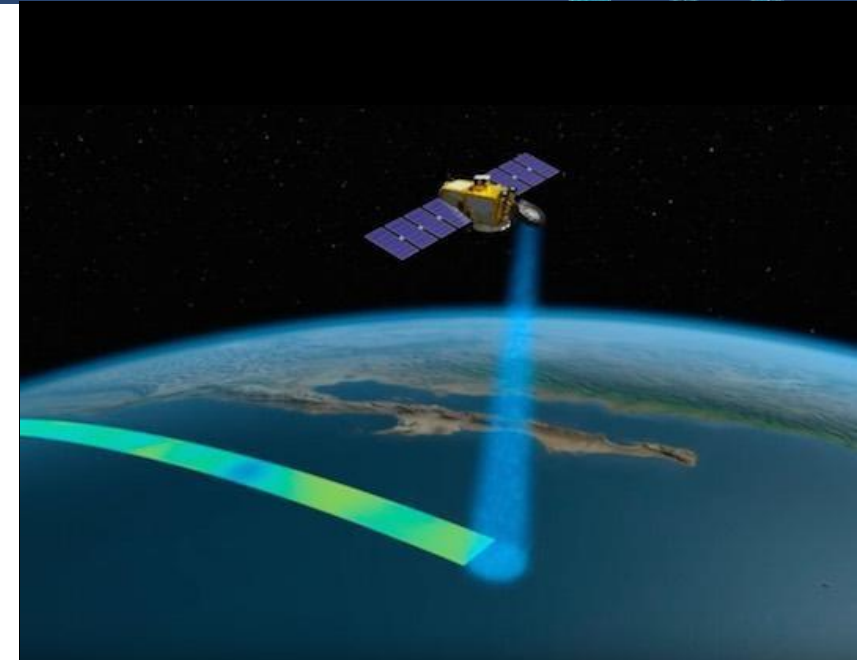
- Jamie McMichael-Philips
- A chartered surveyor, hydrographer and mariner
- For over 9 years, Jamie chaired the International Hydrographic Organisation's Worldwide ENC Database Working Group



Why are Bathymetry Data Important?



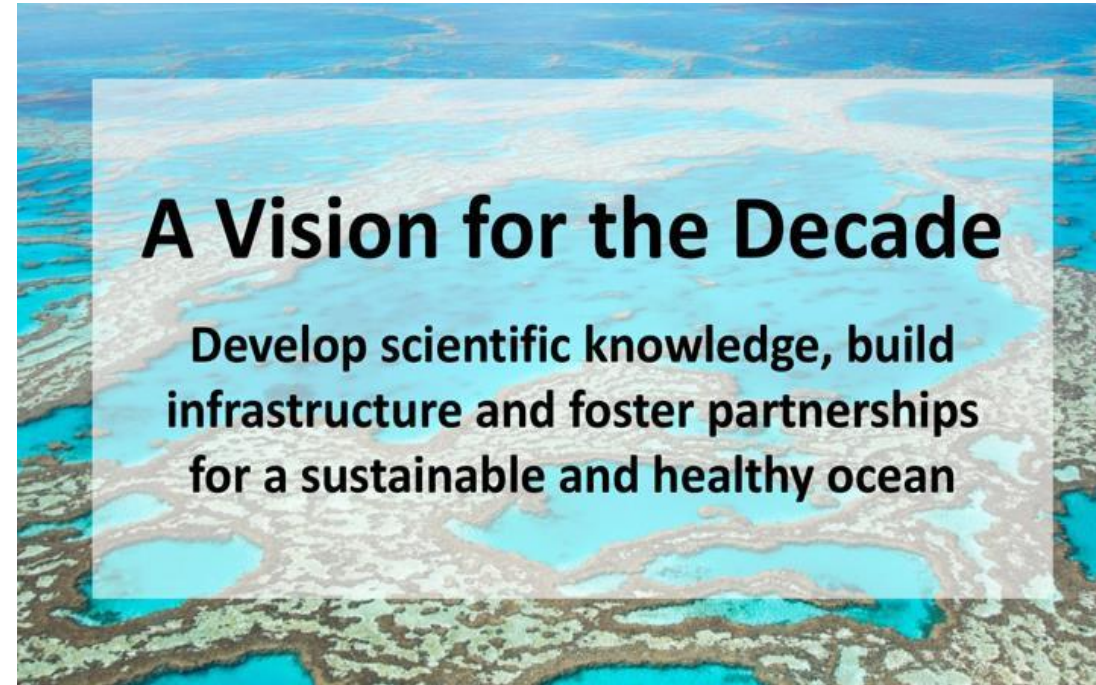
- Nautical charts
- Oil and gas exploration
- Safety and storm surge/tsunami inundation models
- Ecosystem identification and management
- Emergency response
- Satellite verification models
- Ocean Models
- Coastal/Marine Spatial Planning
- Coastal Hazard Assessment
- Ocean Exploration
- Coastal Change Analysis
- Sea Level Rise Mitigation
- New Energy Siting
- Marine heritage



The UN Decade of Ocean Science for Sustainable Development (2021-2030)



SDG14 will not be achievable without a comprehensive map of the world ocean floor



Seabed 2030 Regional Data Assembly



GEBCO Global Products

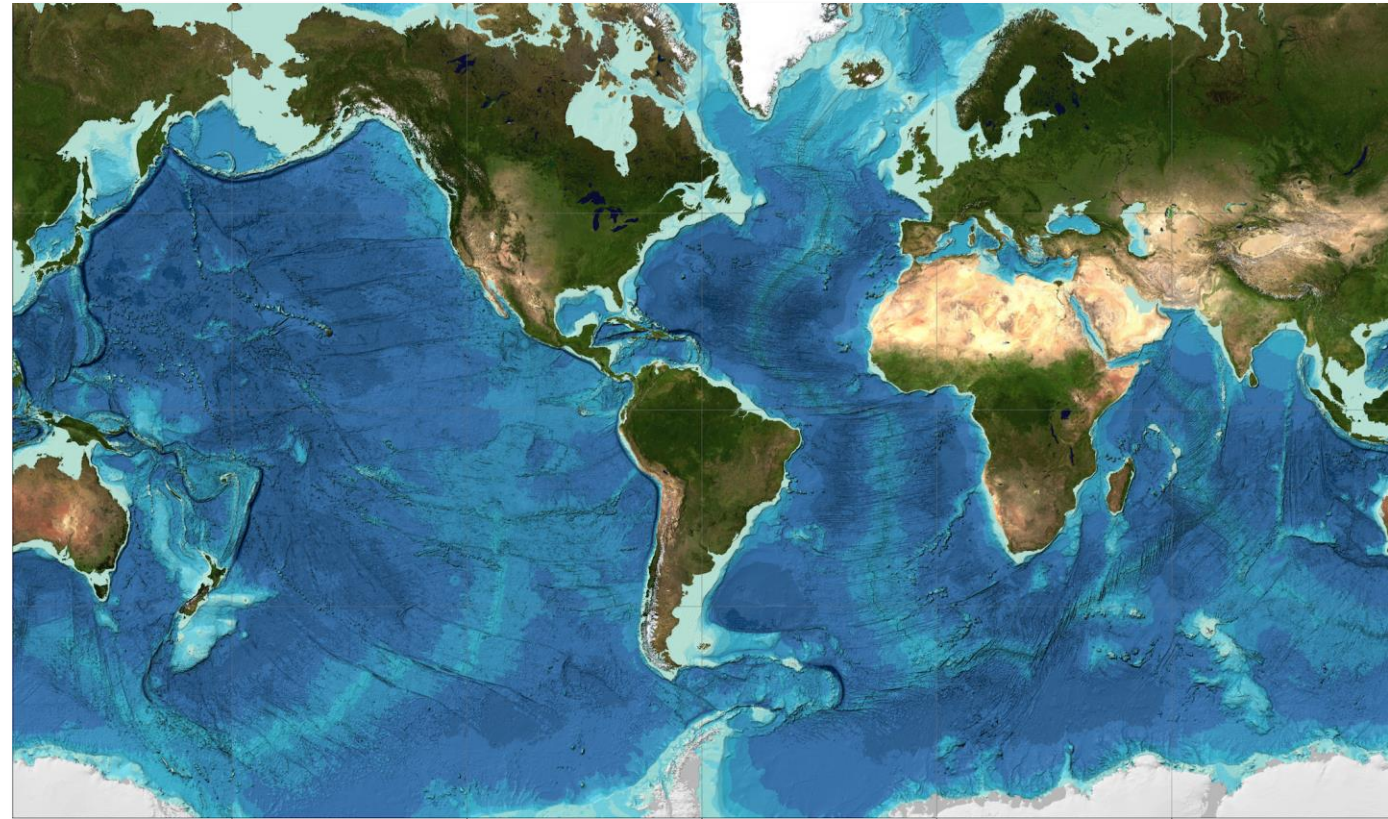


Seabed 2030: Data Centers

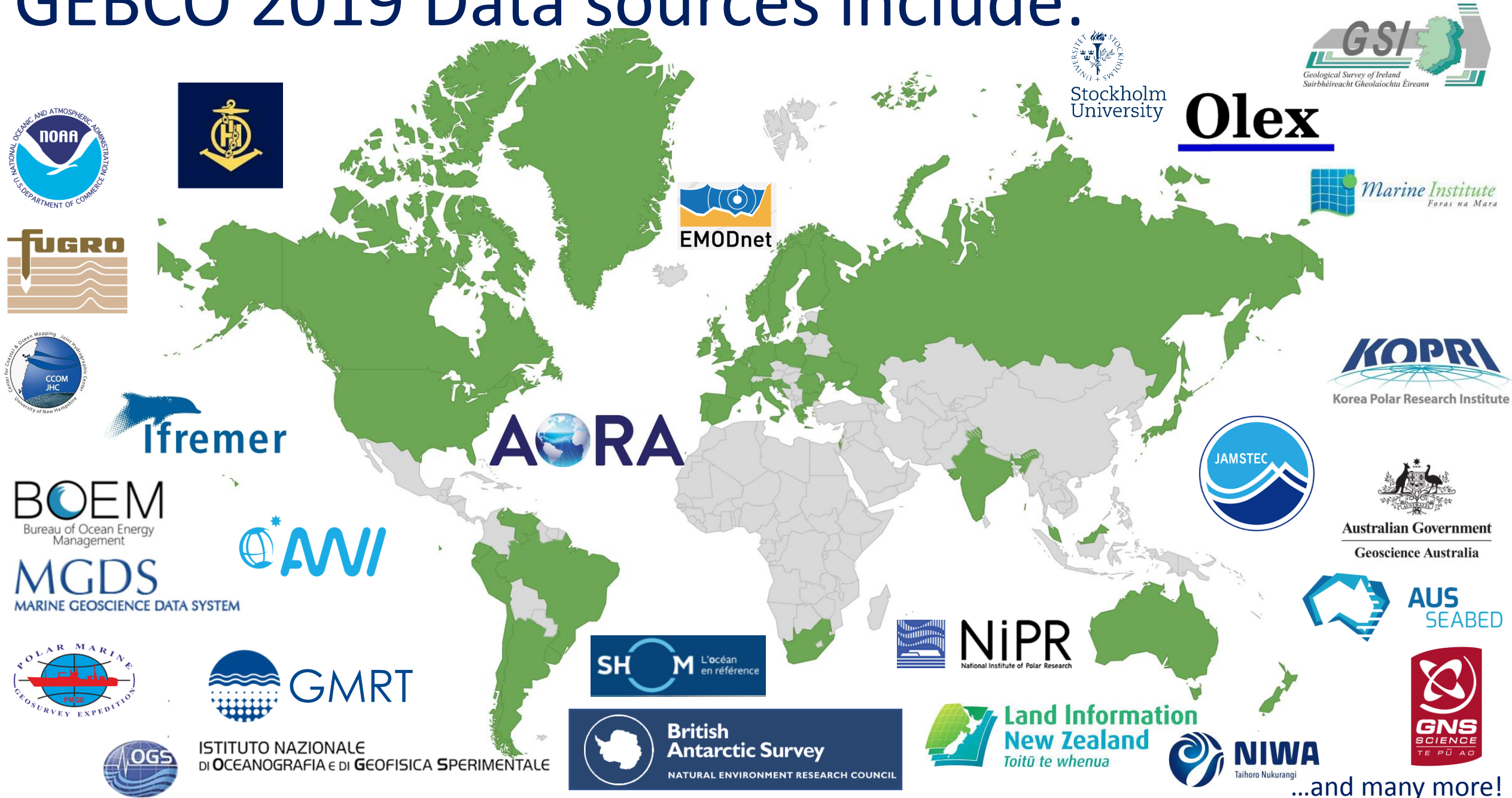




- GEBCO 2019
 - Released April 2019
 - 15 arc second grid
 - Coverage more than doubled
 - GEBCO 2014: 6% of goal
 - GEBCO 2019: 15% of goal
- GEBCO 2020
 - Anticipated release April 2020
 - 15 arc second grid



GEBCO 2019 Data sources include:



...and many more!

How to participate



- Contribute information about existing data coverage
- Contribute data
 - Gridded data products
 - Points from ENC's
- Share information about future mapping plans
- Engage with Data Centers
- Support and promote GEBCO activities and products



seabed2030.org

@seabed2030 



Thank you!
www.gebco.net