













# GEBCO and Ongoing Nippon Foundation Support

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# The Nippon Foundation

Japan's largest private philanthropic foundation

Goal is to help build a society where people support one another



### **Guiding Principles:**

- \* Discover \* Prioritize
- \* Be creative \* Do it now
- \* Be open \* Grow
- \* Expand networks

#### "THE FUTURE OF OUR OCEAN"

- 1 of 8 main activity focuses
- 10 funded programs under this banner

# Capacity-building initiative: postgraduate training course









# The Postgraduate Certificate in Ocean Bathymetry



is funded by:

The Nippon Foundation of Japan



and taught at:

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

Train a new generation of global ocean mappers who will continue to build on our knowledge of the world's oceans.













# Capacity-building initiative: GEBCO Scholars

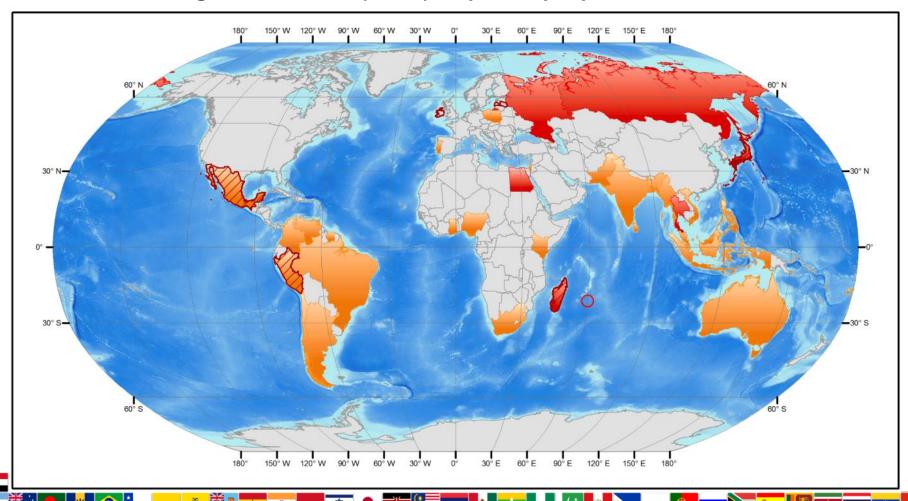






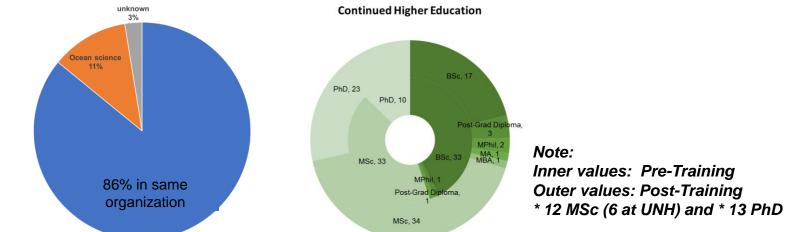


78 scholars from 35 coastal states over last 13 years with the current class coloured red Add incoming Year 14 class (hatch) – up to 84 people from 37 coastal states





13 years with alumni from 47 Different Organizations from 35 Coastal States



Must acknowledge the Nippon Foundation for their ongoing support







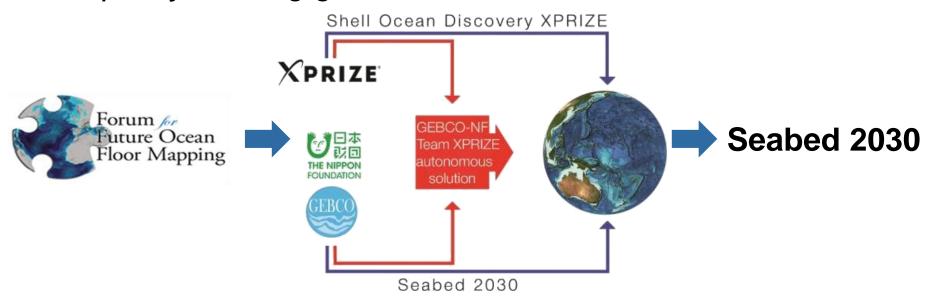






#### The inspiration to enter a team for the challenge:

- Opening speech by Mr Sasakawa at the NF-GEBCO Forum for Future Ocean Floor Mapping
- Jyotika Virmani of XPRIZE said at Forum "GEBCO training program is probably the most-successful unknown capacity-building global initiative"

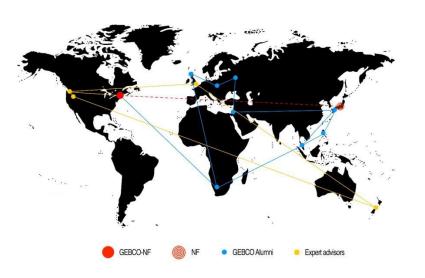


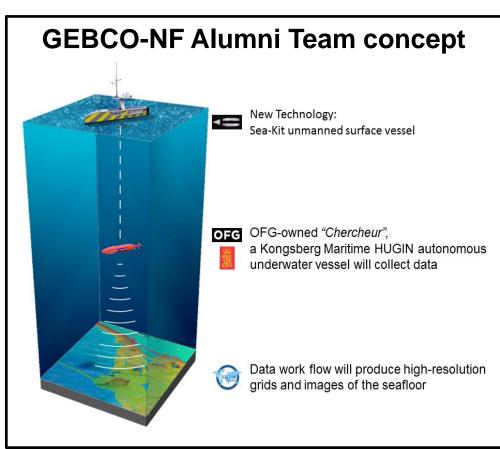
technology innovation work package

#### **GEBCO-NF Alumni Team comprised of:**

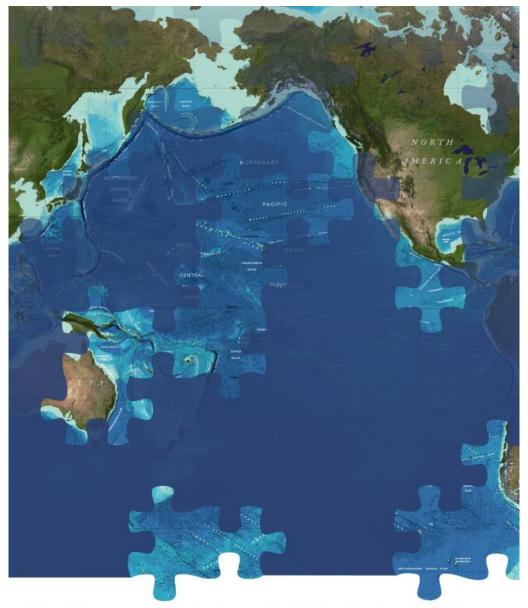
GEBCO-NF ALUMNI

- 9 active alumni
   (8 different coastal states & 7 years of training program)
- 4 technical advisors from with GEBCO
- Industry Partners:
  - Kongsberg Maritime
  - Ocean Floor Geophysics
  - Hushcraft Ltd
- Technical advisers









**The Nippon Foundation – GEBCO – Seabed 2030**Roadmap for Future Ocean Floor Mapping

## Seabed 2030: How we got here











June 2016



Mr Sasakawa, Chairman of the Nippon Foundation Proposed '...to map 100% of the topography of the World Ocean by 2030'

18% of ocean accurately mapped in GEBCO grid

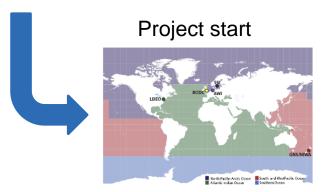


#### Nippon Foundation - GEBCO Seabed 2030 Project announced

June 2017



Mr Sasakawa – 1 of 8 IOC-UNESCO "Champions of Global Ocean Science"

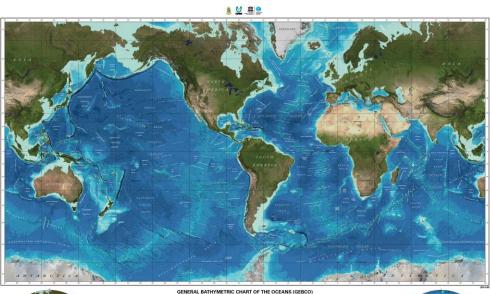


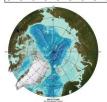
1st August 2017

2030

**100%** of ocean accurately mapped

#### The need for Seabed 2030

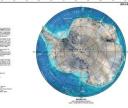












# GEBCO\_2014 bathymetric grid 18% based on *in-situ* data

ENC data provided to GEBCO after requests in 2006 (yellow) and 2016 (red)

The GEBCO\_2014 Source Identifier (SID) grid identifies which grid cells in the are based on soundings and which cells contain predicted depth values

#### **Three Pillars of Seabed 2030**









- 1. Gathering, compiling and publishing bathymetric data The regional teams will be responsible for championing regional mapping activities as well as assembling and compiling bathymetric information within their prescribed region.
- 2. Development of bathymetric data and assembly tools
- 3. 'Technology innovation' and 'Mapping the Gaps'
  The Seabed 2030 definitive view of the state of seabed mapping, will
  be used to identify gaps in data coverage, prioritize and champion future
  survey operations to map the gaps.

















#### **MISSION:**

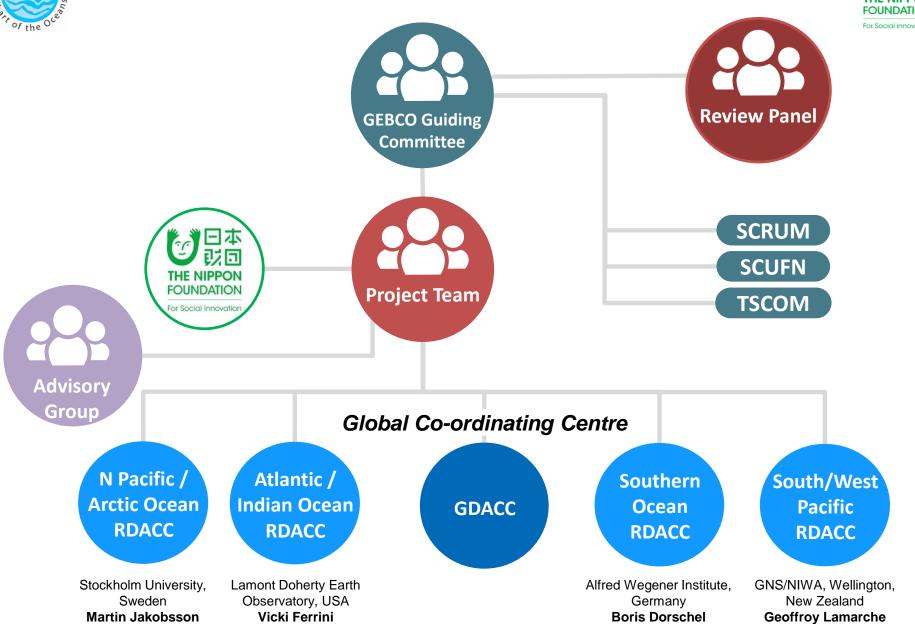
To empower the world to make policy decisions, use the ocean sustainability and undertake scientific research based on detailed bathymetric information of the Earth's seabed

https://seabed2030.gebco.net/

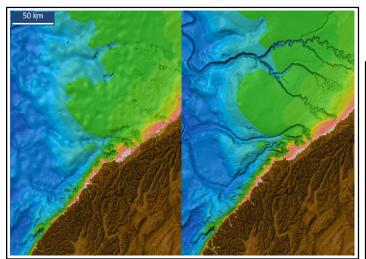


#### NF- GEBCO Seabed 2030 Project Structure





4 Regional Data Assembly & Co-ordination Centres



### Why DOES GEBCO compile data?

