Seabed 2030

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Seabed 2030

**Seabed 2030** is a global initiative to cooperatively work towards creating a high resolution complete map of the world’s ocean floor by 2030.

-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.
Empower the world to **make policy decisions**, **use the ocean sustainably**, and **undertake scientific research** that is informed by a detailed understanding of the global ocean floor.

Only a small portion of the ocean has been mapped with direct measurement. 
~ 50% of the world’s coastal waters remain unsurveyed.

As of GEBCO 2014 - only 6% of our global goal is met.
What can depth information be used for?

- Nautical charts
- Oil and gas exploration
- Safety and storm surge/tsunami inundation models
- Ecosystem identification and management
- Emergency response
- Satellite verification models
- Coastal and 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)

A Vision for the Decade

Develop scientific knowledge, build infrastructure and foster partnerships for a sustainable and healthy ocean.

Conserve and sustainably use the oceans, seas and marine resources for sustainable development.
Collaboration and cooperation at local, regional and global scales

Seabed 2030 Regional Data Assembly

GEBCO Global Products
Seabed 2030: Regional Centers

- Coordinate with stakeholders
- Build upon ongoing regional efforts including IBCs
- Develop mechanisms for attribution
- Assemble regional data products
NOAA Gap Analysis – MACHC
ENC Data Contributions to GEBCO

Usage bands 2 & 3 provided after IHO calls 2006 (yellow) and 2016 (red)
Coordinating with IBCs

- Seabed 2030 Atlantic/Indian Oceans RDACC
  - IBC of the Caribbean Sea & Gulf of Mexico (IBCCA)
  - IBC of the Central Eastern Atlantic (IBCEA)
  - IBC of the Mediterranean (IBCM)
  - IBC of the Western Indian Ocean (IBCWIO)

- Seabed 2030 South & West Pacific RDACC
  - IBC of the South Eastern Pacific (IBCSEP)

- Seabed 2030 Arctic/North Pacific RDACC
  - IBC of the Arctic Ocean (IBCAO)
  - IBC of the Caribbean Sea & Gulf of Mexico (IBCCA)

- Seabed 2030 Southern Ocean RDACC
  - IBC of the Southern Ocean (IBCSO)
✓ Data centers established 2018

✓ Initial regional data products generated and passed to Global Center

• New GEBCO grid to be released at end of 2018

• Establishing connections with regional stakeholders
How to participate

• Contribute information about existing data coverage
• Contribute data
  • Gridded data products
  • Points from ENCs
• Share information about future mapping plans
• Participate in 2019 Regional Mapping Meetings & GEBCO Meetings

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