

SWPHC22

Seabed 2030 Pacific Regional Centre Update **Kevin Mackay**











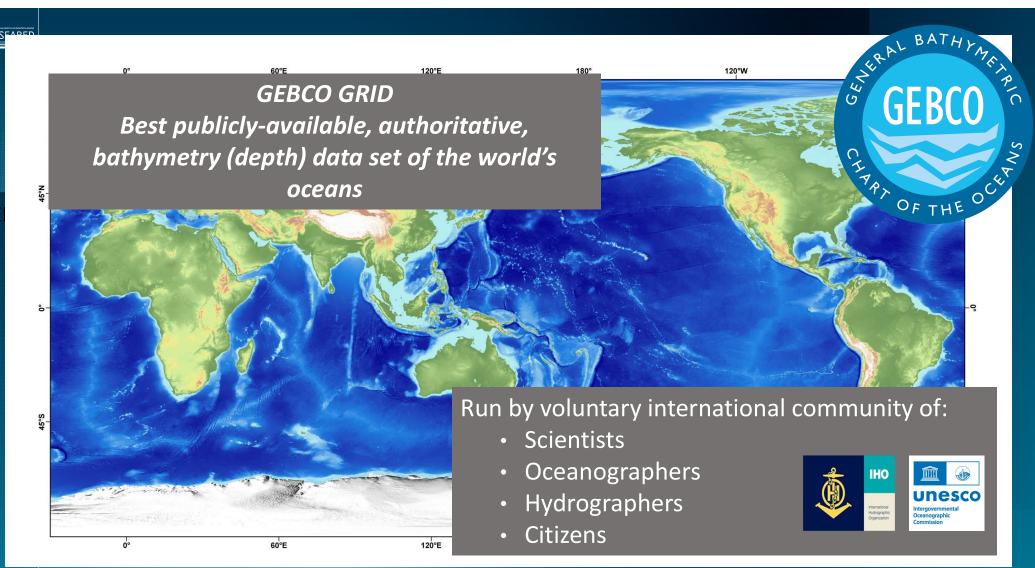








- 1. What is Seabed 2030
- 2. How to get involved
- 3. Regional updates since last SWPHC





Seabed2030 → Created to boost GEBCO

Seabed 2030 = accelerator to GEBCO

Collaboration to:

- Inspire 100% seabed mapping by 2030
- Compile the GEBCO Map

Our mission is to inspire ocean mapping and deliver a complete seabed map for the benefit of people and the planet.





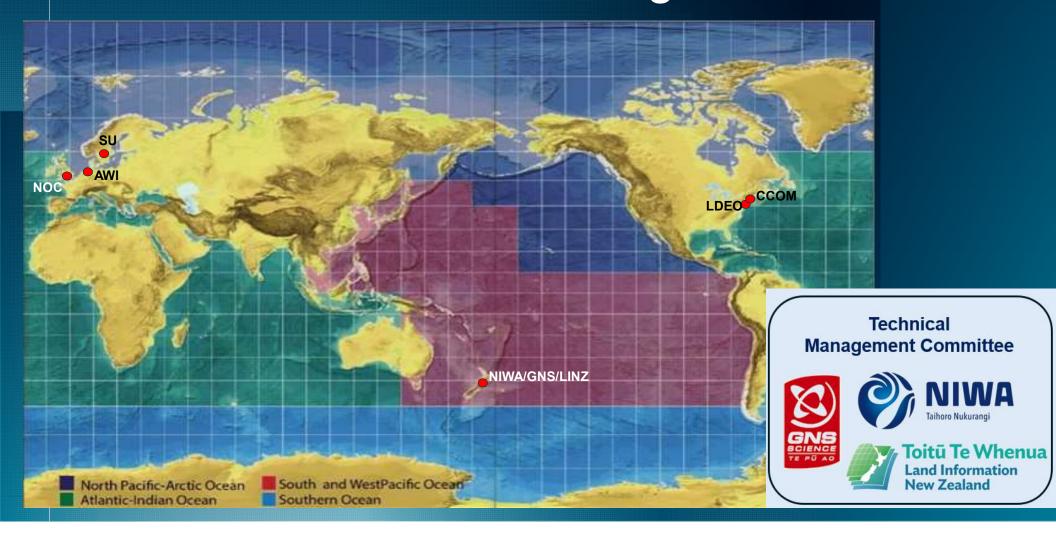
THE OCEAN DECADE

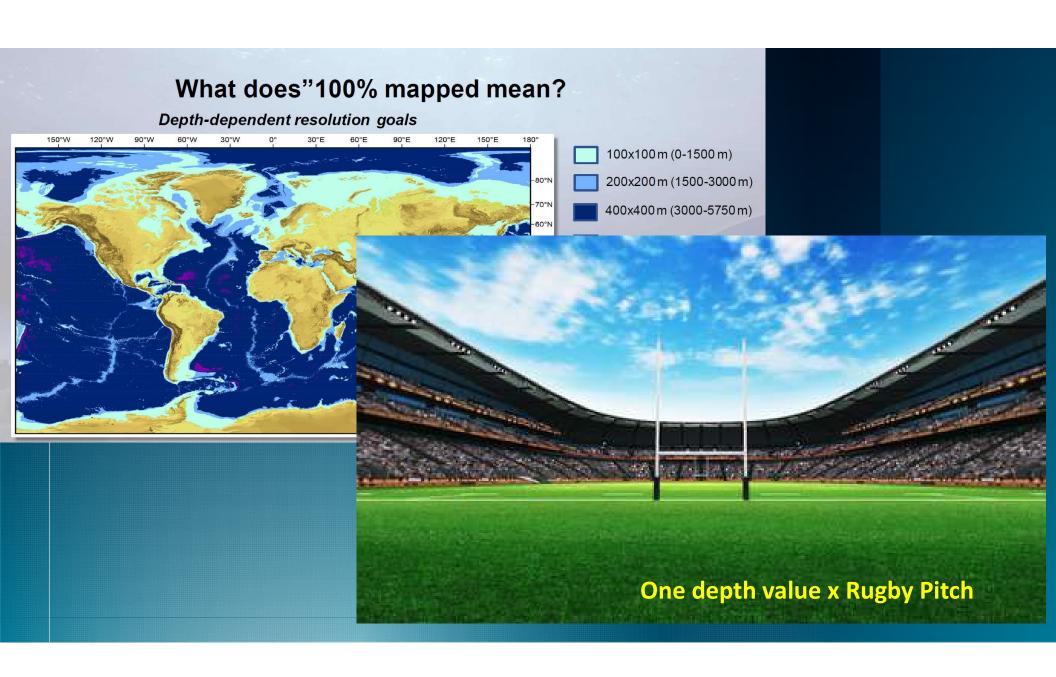
The Science We Need for the Ocean We Want

https://seabed2030.org/



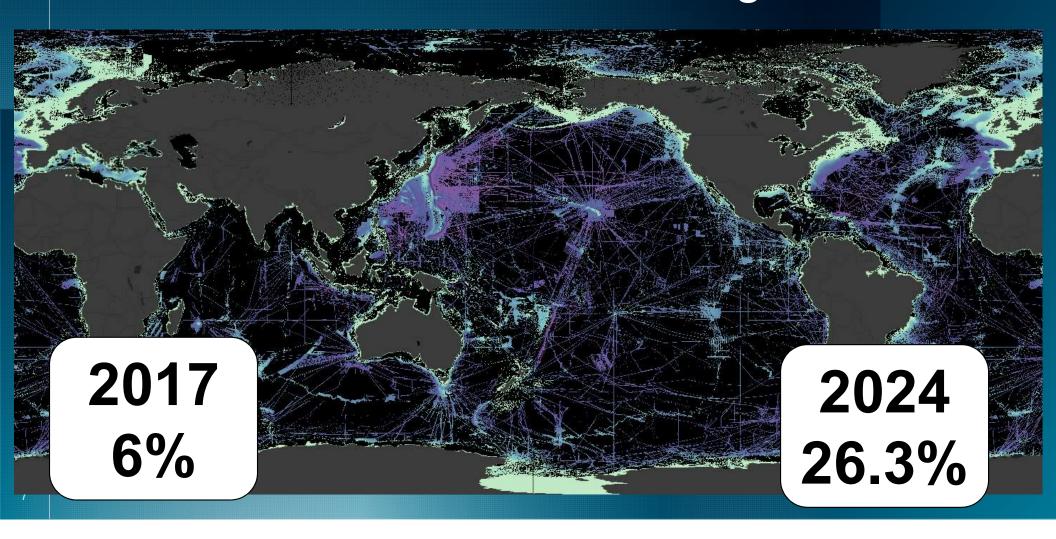
Seabed 2030 Pacific Regional Center





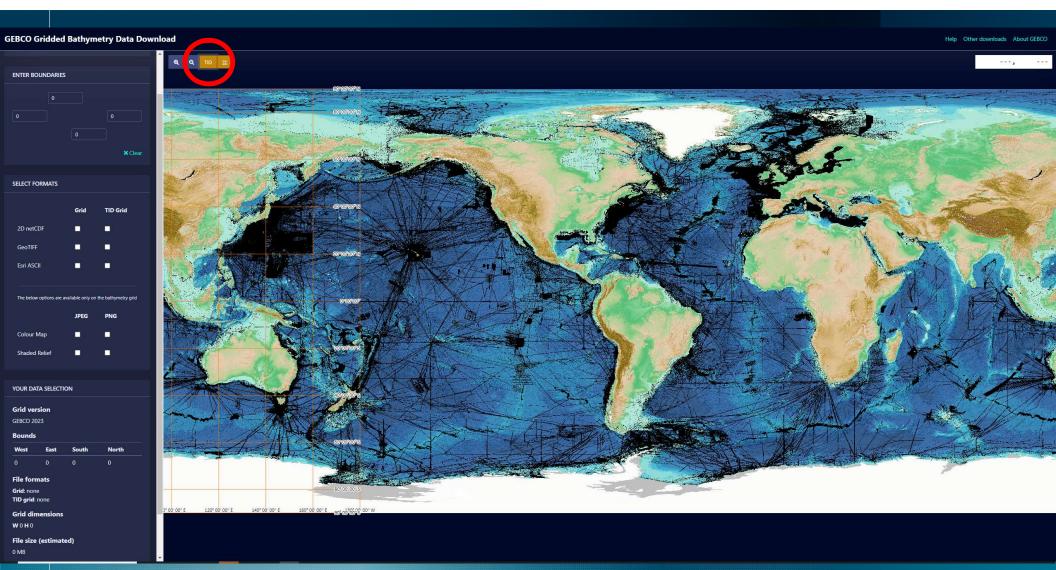


Seabed2030 Global Progress

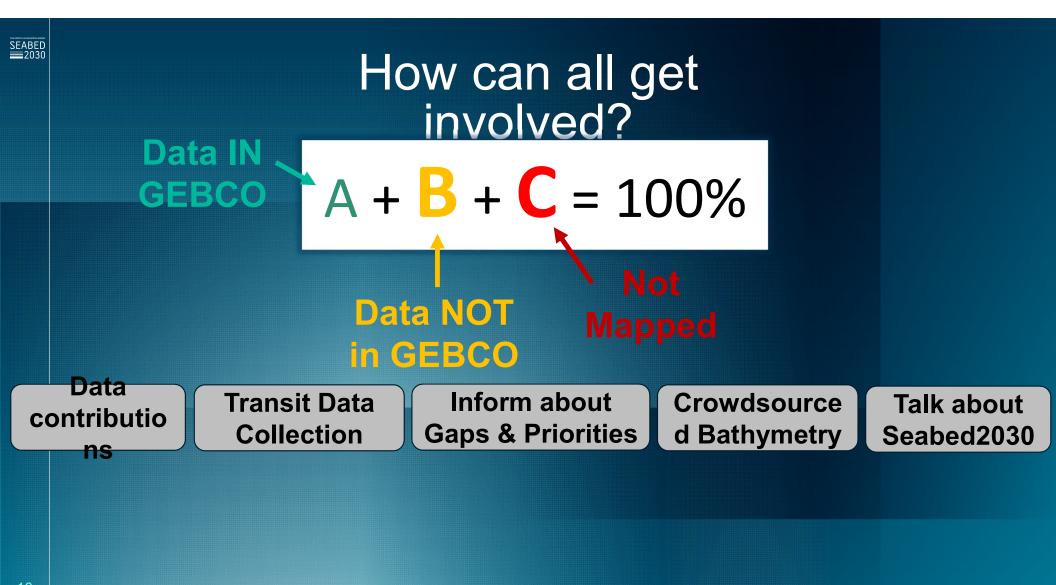








https://www.gebco.net/





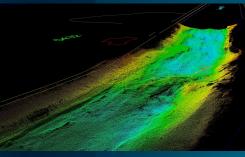
What do we mean by "data"?

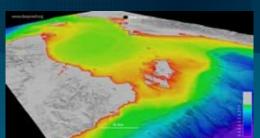
Any form of data that contains a bathymetric measurement is gratefully accepted by Seabed 2030 and GEBCO!

Examples of data are:

- Sounding sheets
- Raw data from sounders
- NMEA data (e.g. from CSB data loggers)
- Processed data (e.g. GSF or XYZ)
- S-57 ENC
- Processed grids or bathymetric surfaces
- Regional bathymetric products









NZ – Transit Data Collection made easy

Transiting vessels – New Zealand's EEZ

- Now easier to collect bathymetric data during transit in NZ's EEZ
- Marine science research application not required
- Toitū Te Whenua Land Information New Zealand authorised to request vessels to activate their seafloor mapping systems during transit
- Submit data to NZ for inclusion in GEBCO grid
- If your vessel undertakes transits of NZ's EEZ please contact MSR-NZ@linz.govt.nz for further information and a request to collect bathy data





Pre-approval for Foreign Vessel Transit

MSR-NZ@linz.govt.nz



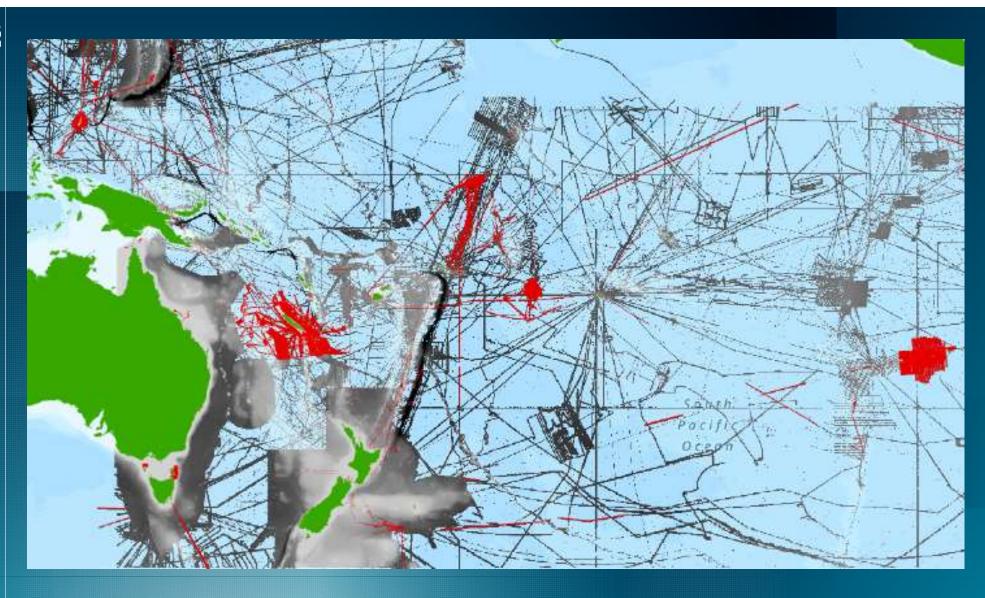


Data contributors in the Pacific 2024/2025

- Toitū Te Whenua Land Information New Zealand
- Australian Hydrographic Office
- NOAA
- Ifremer
- Inkfish
- NIWA
- SPC
- Cook Islands
- AusSeabed
- UNOLS (US Academic fleet)
- Greenwater Foundation/TCarta
- SHOM
- Pangaea (Germany)

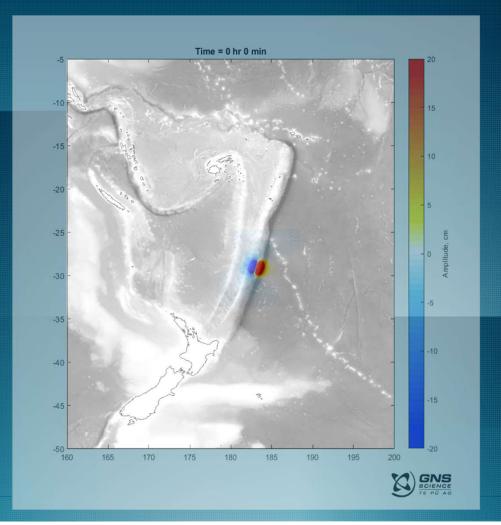
Thank you!

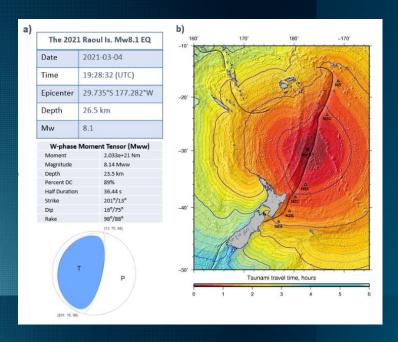
Mesulang! ©





GEBCO use case

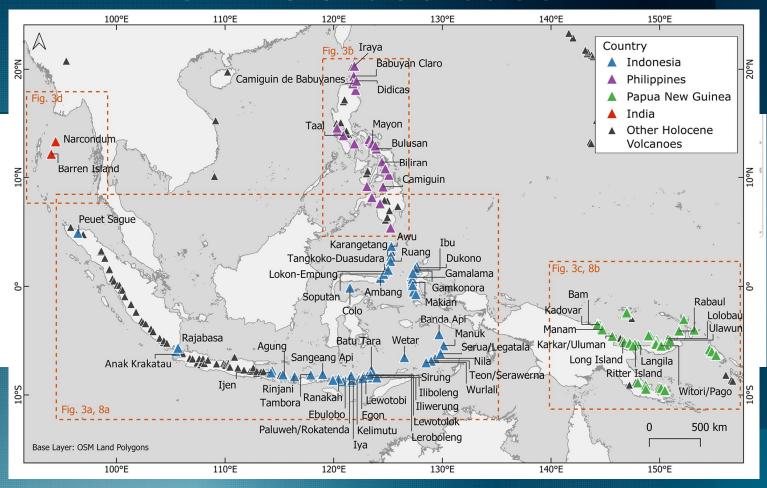




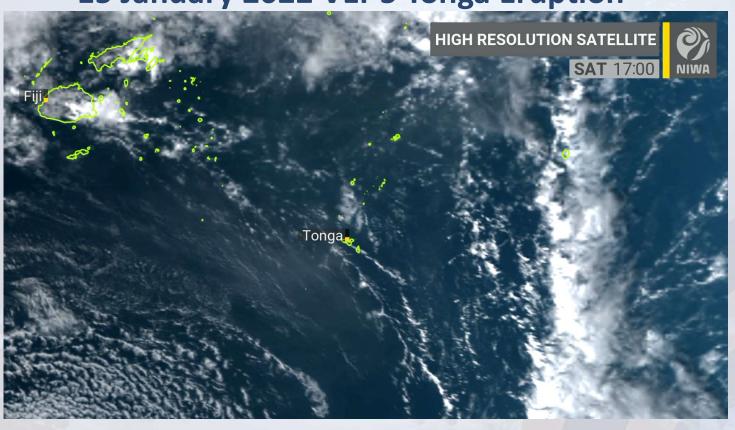
March 2021 Magnitude 8.1 Earthquake



GEBCO use case



15 January 2022 VEI-5 Tonga Eruption





6th Seabed 2030 Pacific Ocean Mapping

Meeting-Nadi, Fi

Workshop: open data and freely available tools





https://seabed2030.org/



IRCC12 Action 19

Encourage all Member States to make existing seabed mapping data available for use by Seabed 2030 in the GEBCO Grid.

IRCC16 Recommendation 12

RHCs to encourage Member States and community bathymetric data contributions to the DCDB, regardless of origin, resolution or quality.

Thank you! Let's talk!



www.seabed2030.org

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