

THE NIPPON FOUNDATION-GEBCO

SEABED
2030

NOVEMBER 2023

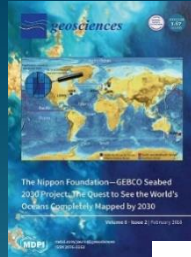
SEABED 2030

Energizing Ocean Floor Mapping



Kevin Mackay
Head, Seabed 2030 Pacific Data Centre

The Nippon Foundation-GEBCO Seabed 2030 Project



June 2016



June 2017



June 2021

Seabed 2030 = accelerator to GEBCO's aim

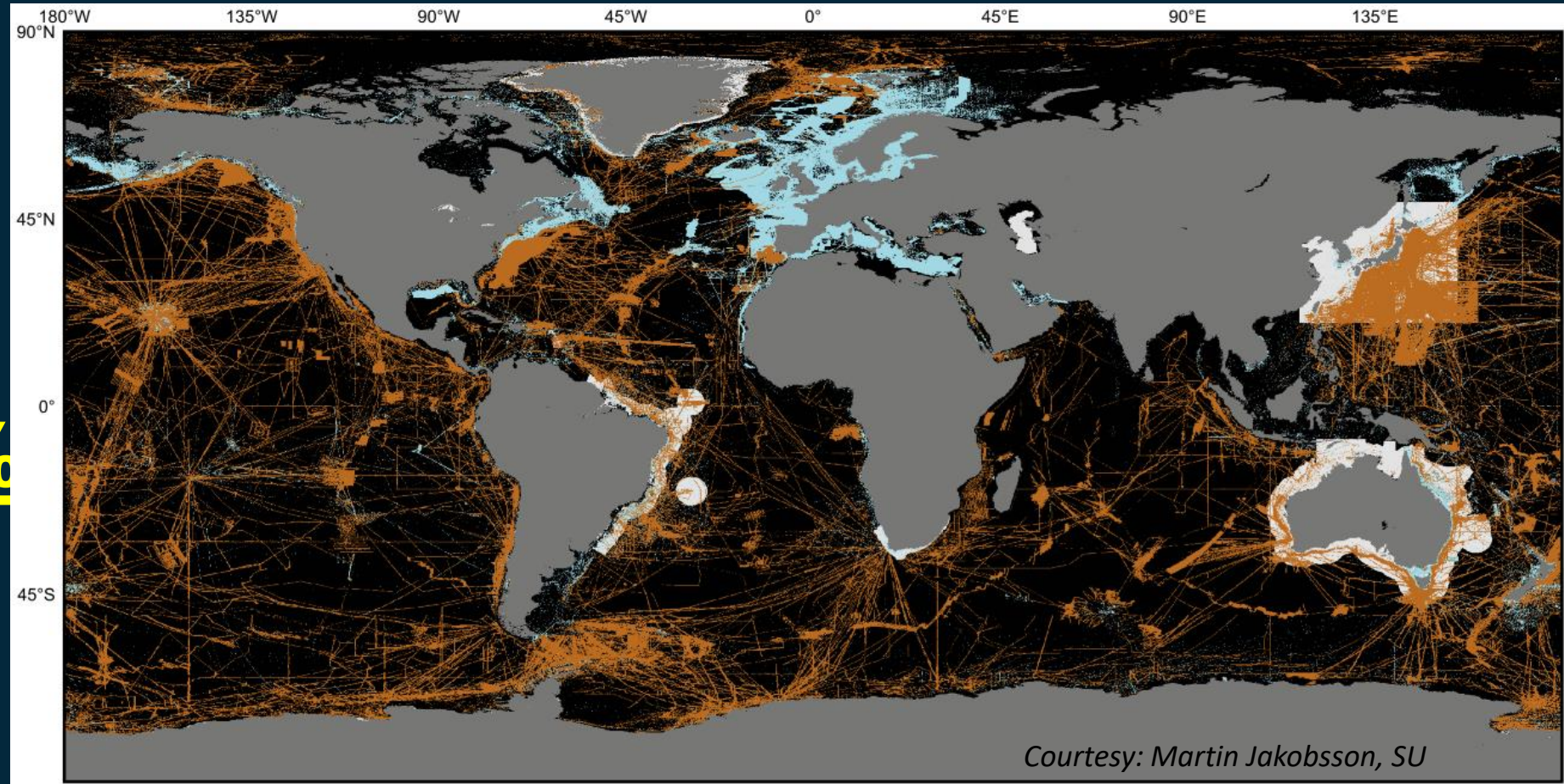
Collaboration to:

- inspire 100% seabed mapping by 2030
- compile the GEBCO Map

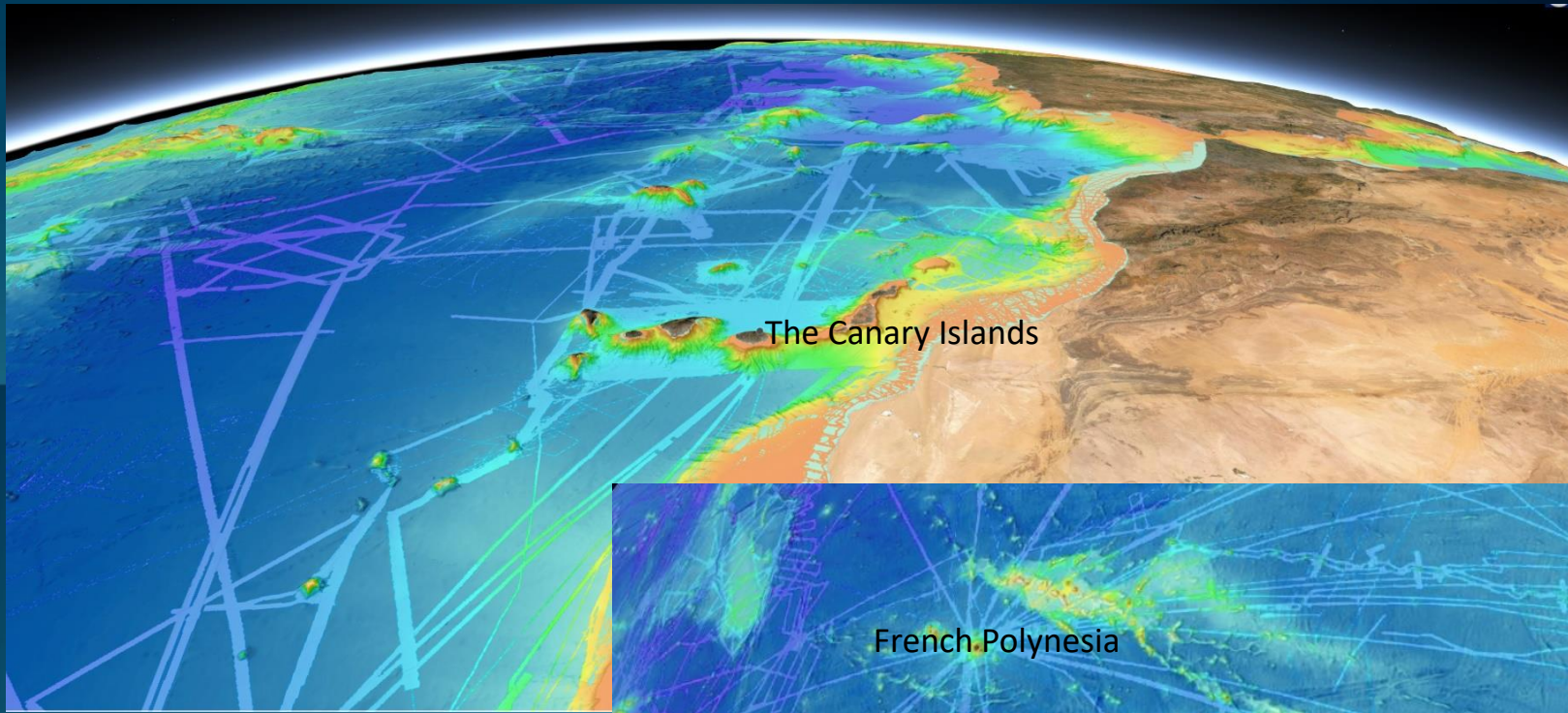
Progress so far ...

GEBCO Map:

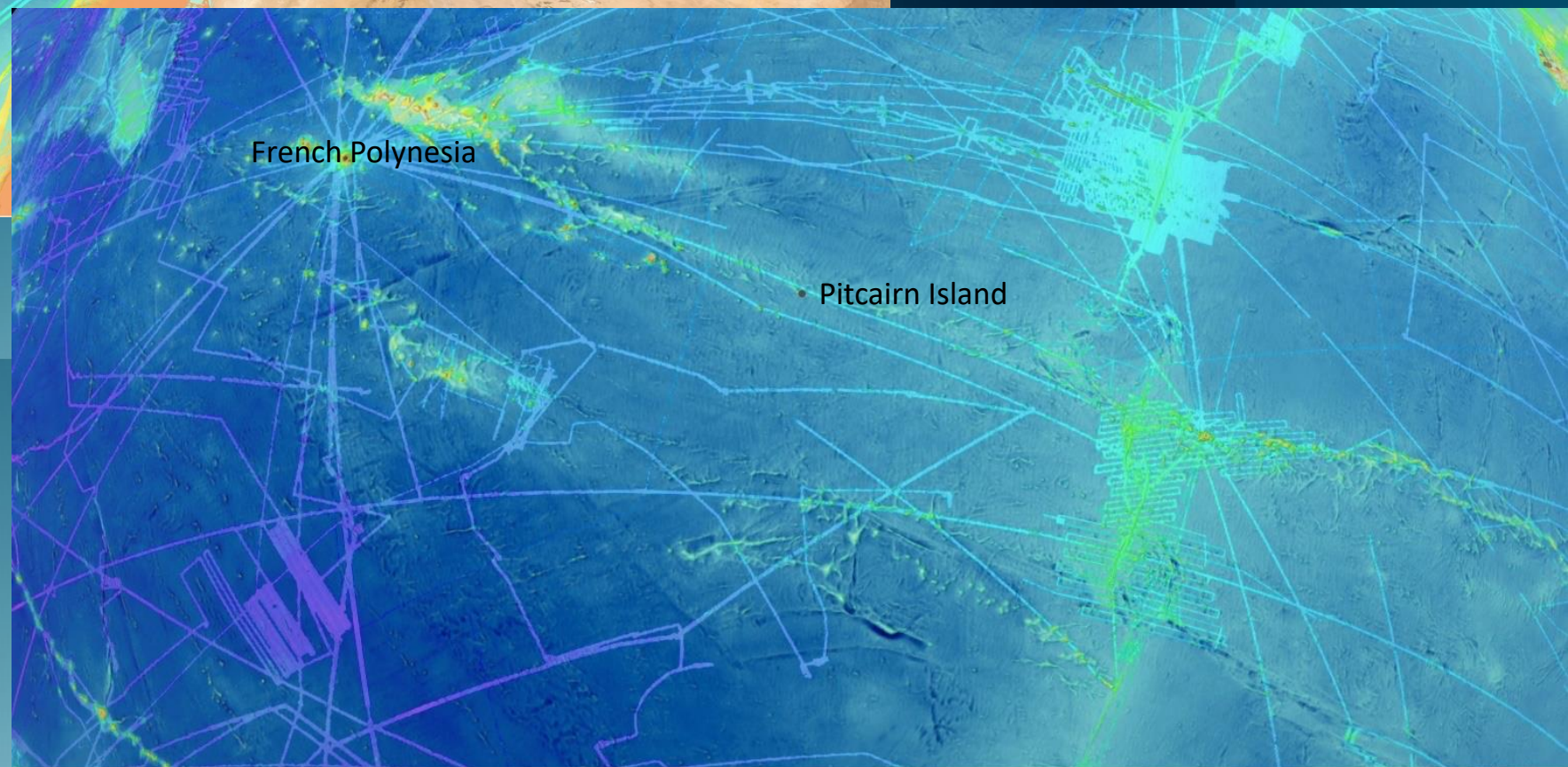
- 6% in 2017
- Now **25.2%**



3/4 of ocean floor still to go

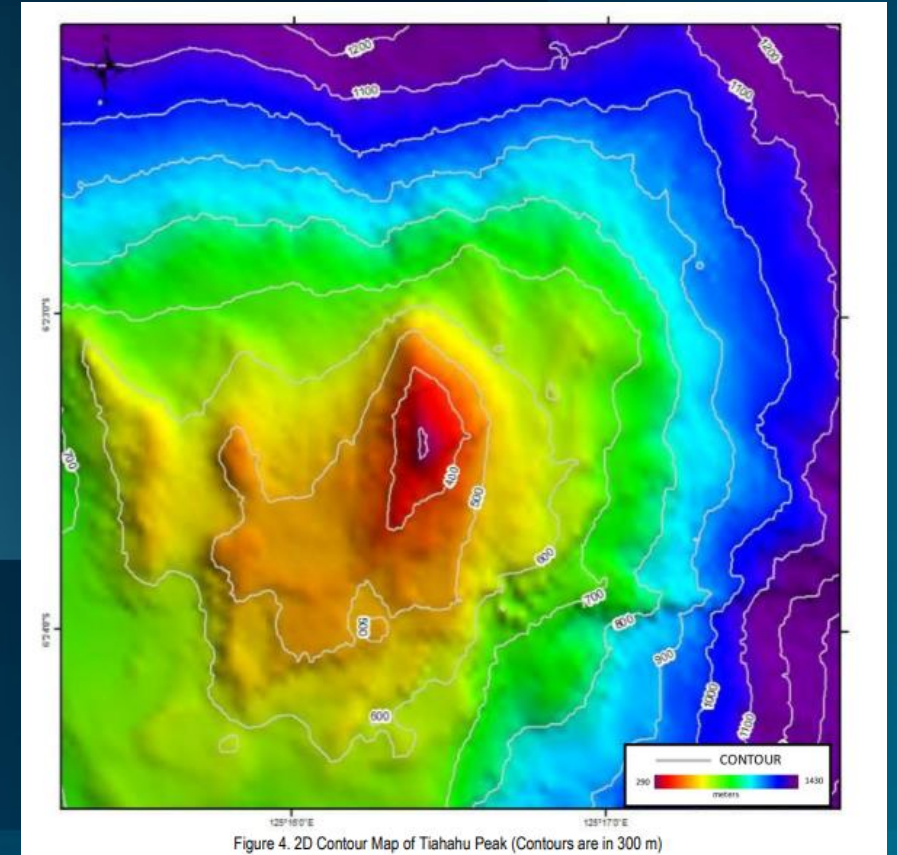
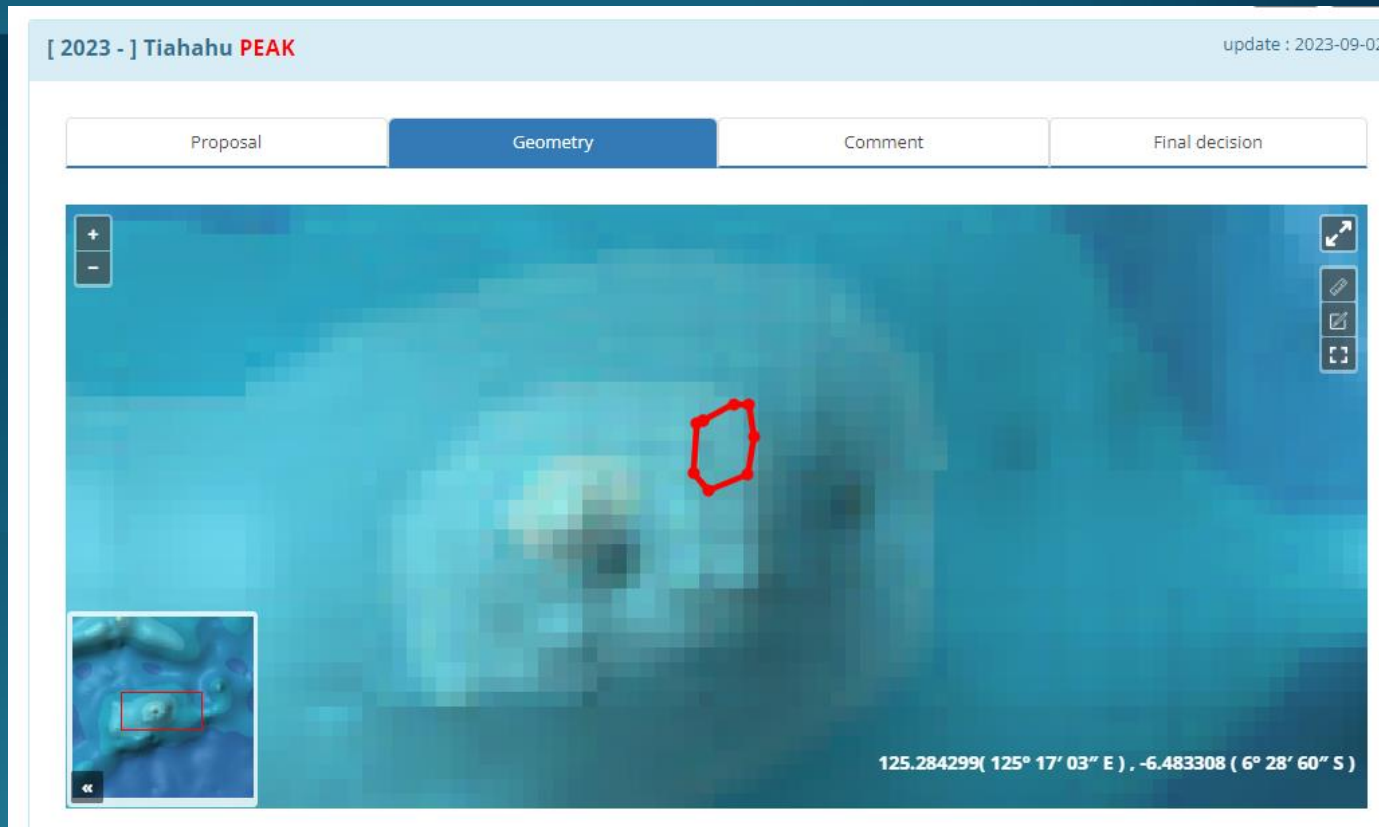


**Paucity of
Depth Information**



**To manage
effectively**
...we must map

Why is bathymetric data submitted to SCUFN important?



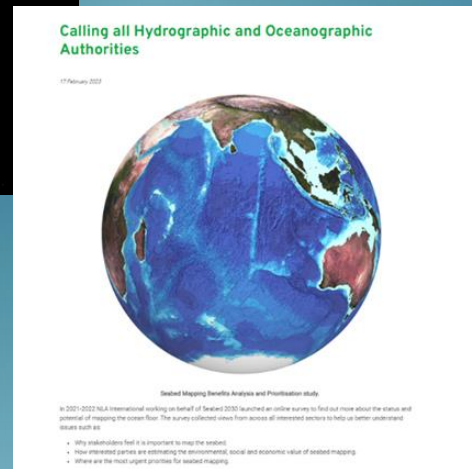
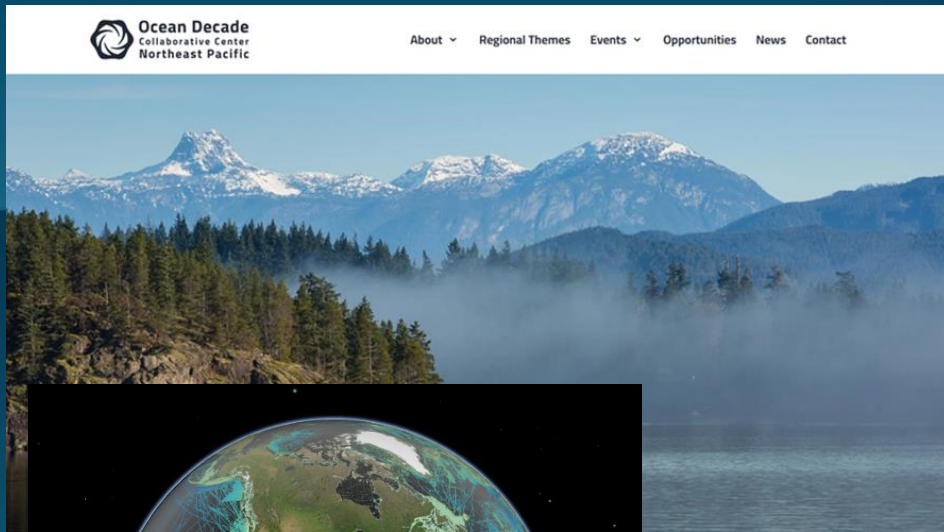
Target Resolutions

- Depth dependent
- We will never ask for data of any higher resolution than:
 - 1 x depth value in 100x100m box

At best only one depth value in area ~ size of a soccer pitch



Y6 Achievements



- SRTM15+ Collaboration
- Data ingestion with many countries/entities
- Web Form Improvements/streamlining
- Improvements to UNH GapFiller tool
- Ongoing work with UN Ocean Decade
- “Wind in the Sails” project ongoing
 - Work towards global prioritisation tool
- Increased Crowd Sourced Bathymetry activities

SCUFN involvement

- First action SCUFN 32/07 2019
 - “... Secretary to request that Proposers consider the possibility of releasing their “ACCEPTED” UFN associated bathymetric data to the IHO DCDB...”
- Initial response:
 - China
 - New Zealand
- Significant contributions since:
 - New Zealand
 - Australia – AusSeabed
 - Brazil
 - Philippines - NAMRIA
 - USA
 - Rep Korea – KOPRI
 - Italy – OGS
 - Germany - AWI
 - Japan - JAMSTEC

Philippines joins effort to map entire ocean floor in new partnership with Seabed 2030

25 October 2022



<https://seabed2030.org/2022/10/25/philippines-joins-effort-map-entire-ocean-floor-new-partnership-seabed-2030/>

Thank you

