

# Deliverable 1.3.1: New version of GEBCO: GEBCO 2019

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Head of Seabed 2030 Global Center



# Arctic and Northern Pacific Oceans



# Atlantic and Indian Oceans

Lamont-Doherty Earth Observatory  
COLUMBIA UNIVERSITY | EARTH INSTITUTE



## Acting Director



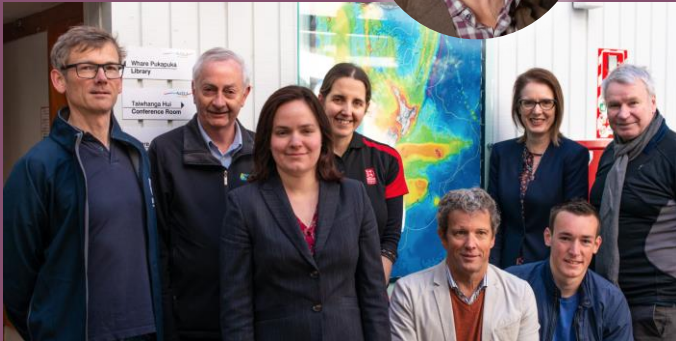
## Global Center



National  
Oceanography  
Centre



# South and West Pacific Ocean



# Southern Ocean

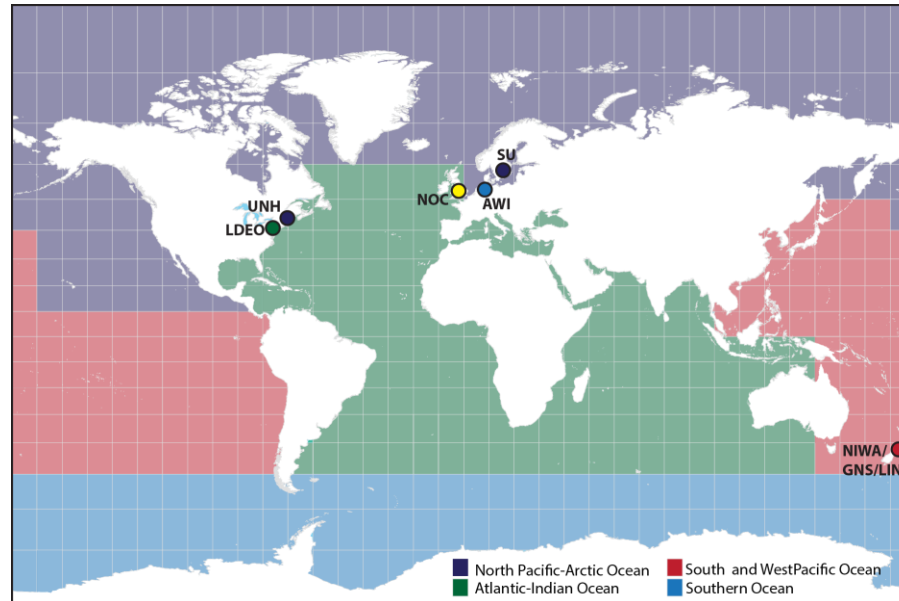


# Seabed 2030 Project Strategy

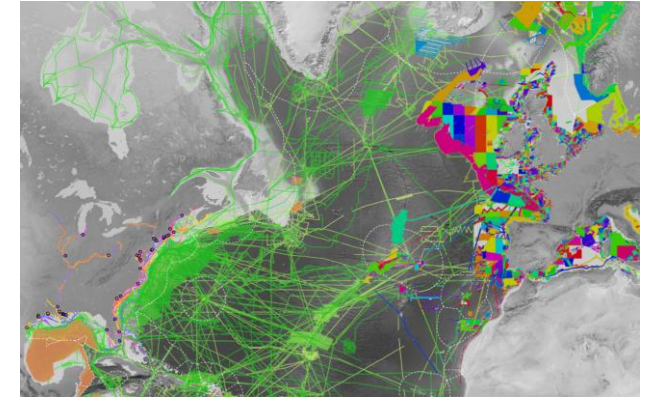
## Stakeholder Engagement



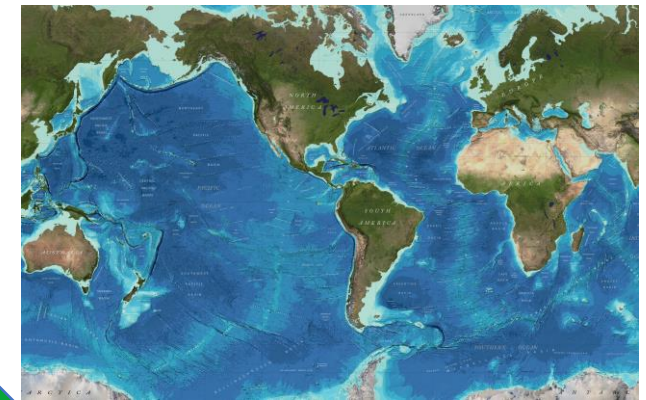
## Regional Focus



## Identify Existing Data



## Global Data Products



Capacity Building



# Regional Mapping Committees



Stockholm, Sweden  
October, 2018



Palisades, NY, USA  
October, 2018



Wellington, New Zealand  
March, 2019



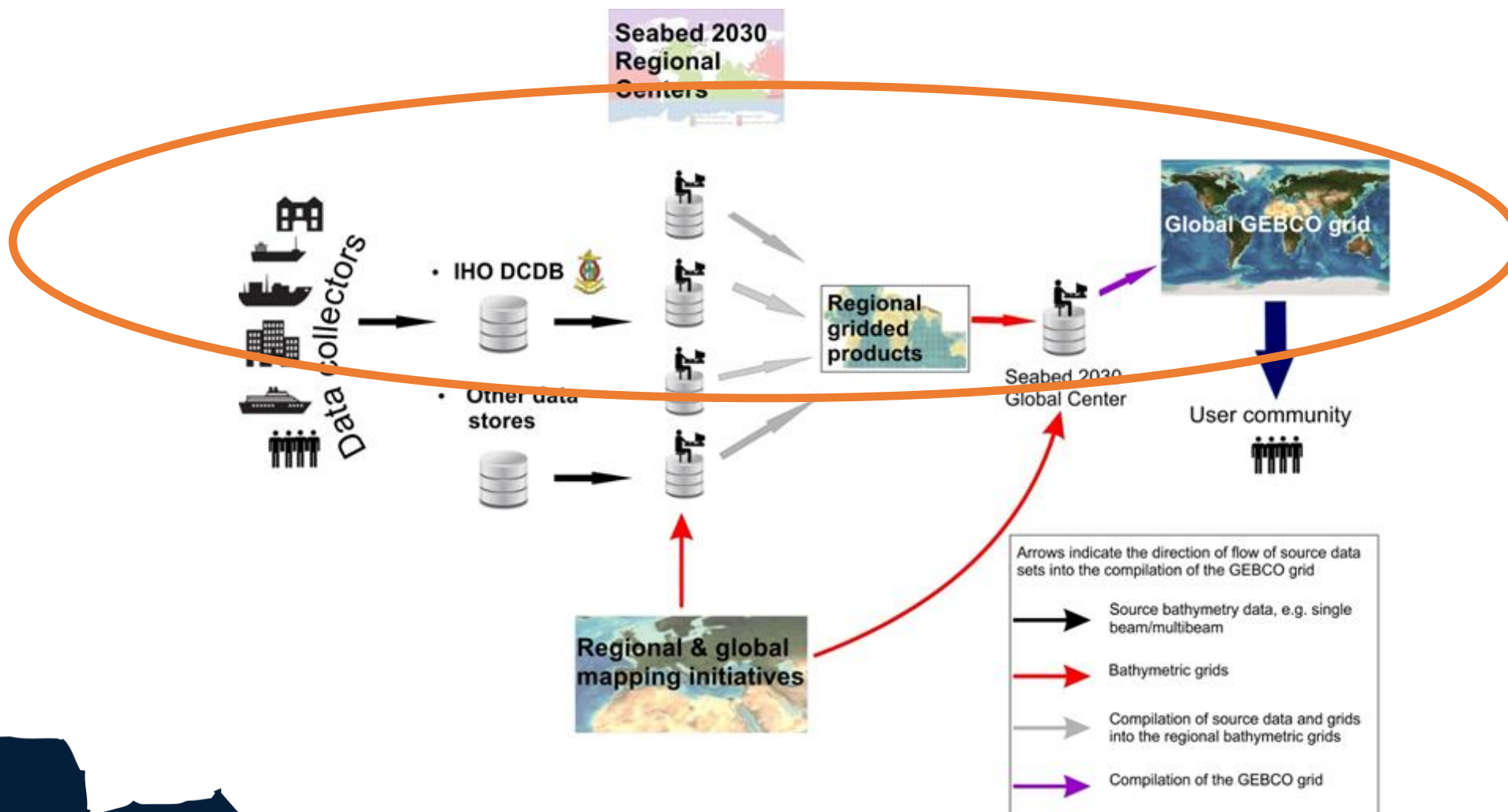
Boulder, Colorado, USA  
April, 2019



# Contributors include:



# Data Flow

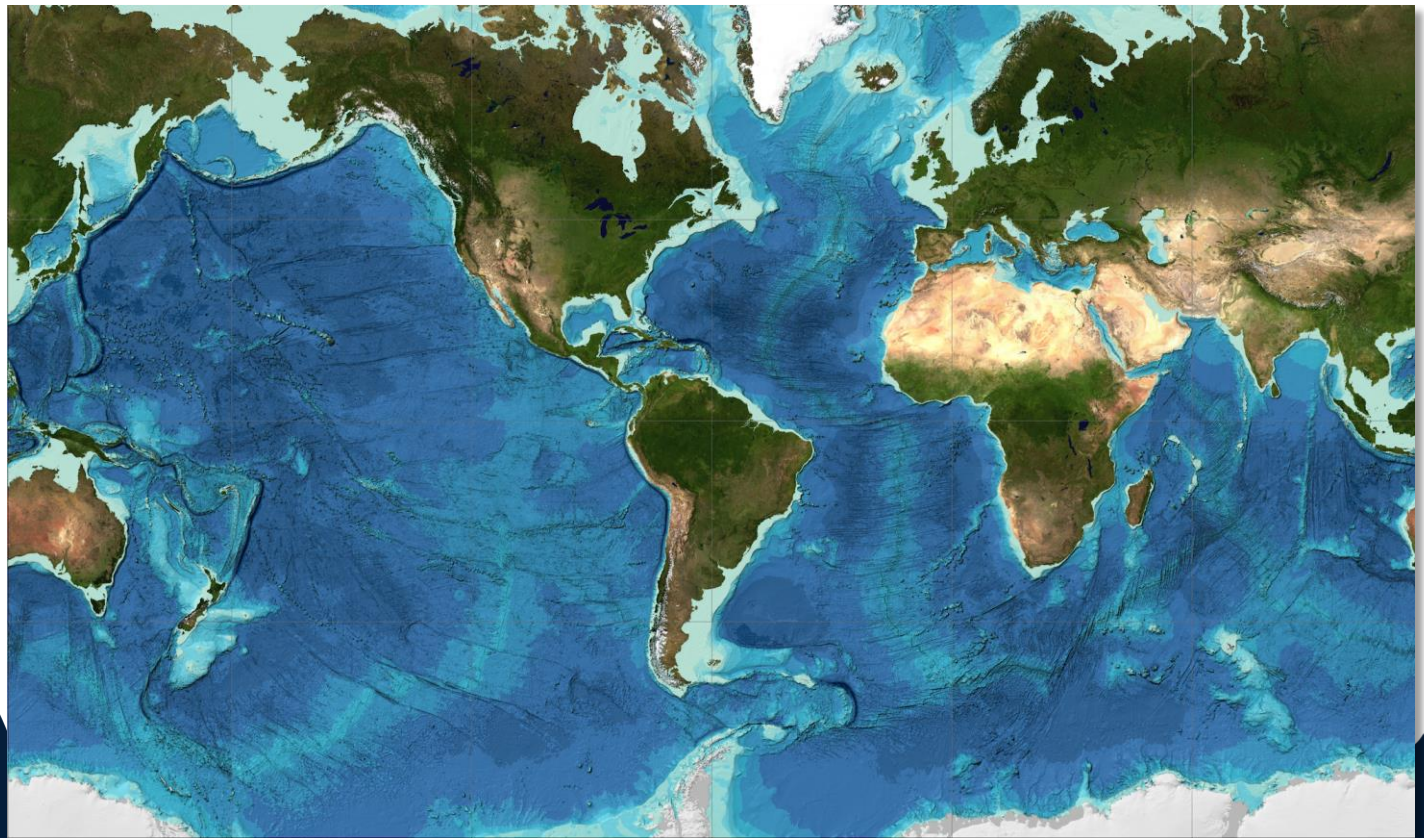






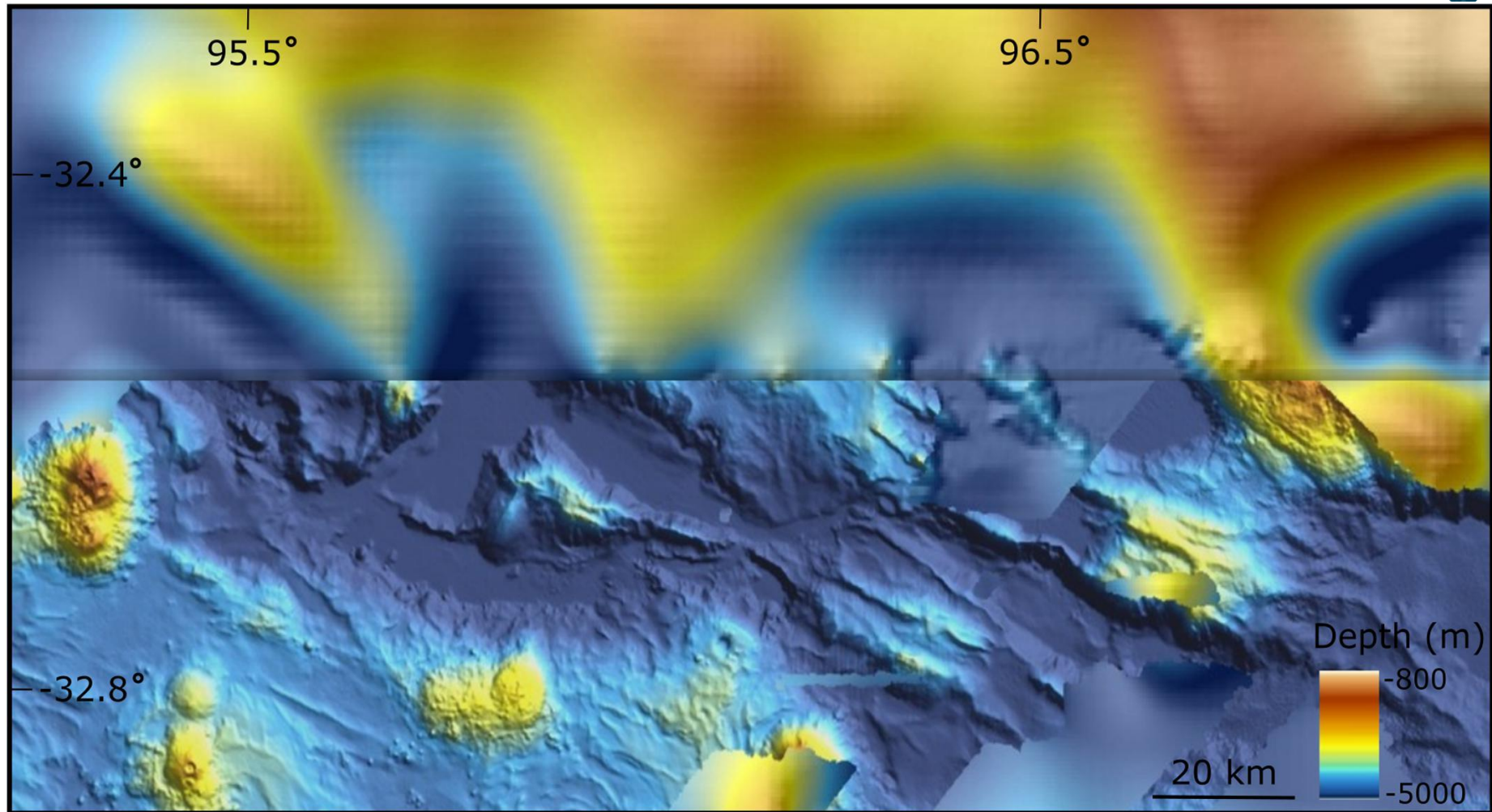
# GEBCO 2019

- Two-fold increase in resolution (from ~1km to ~500m)
- Coverage more than doubled
  - GEBCO 2014: 6% of goal
  - GEBCO 2019: 15% of goal
- Data from all sectors
  - Government
  - Academia
  - Industry
  - Private





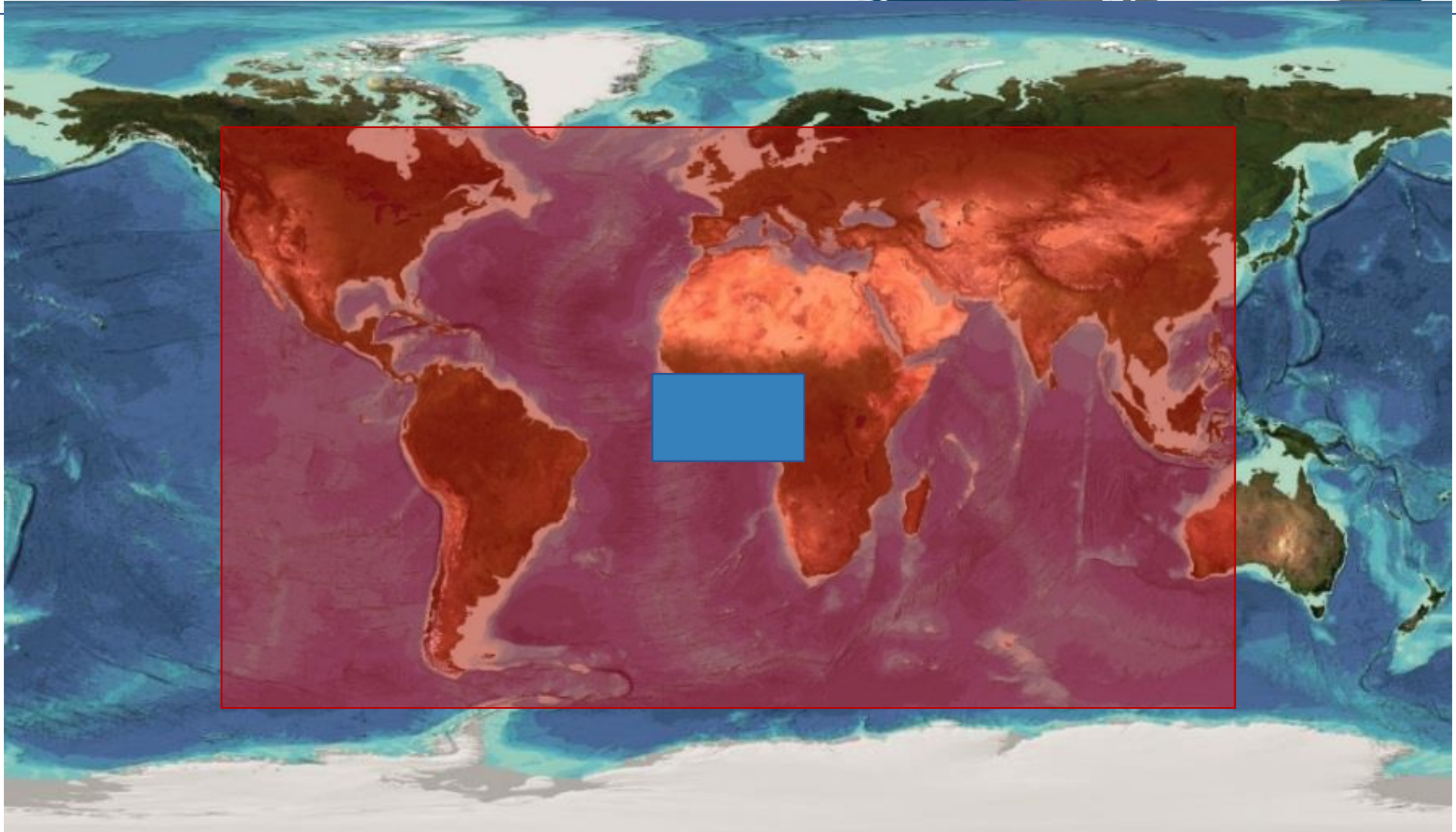
# Bringing the seafloor into focus



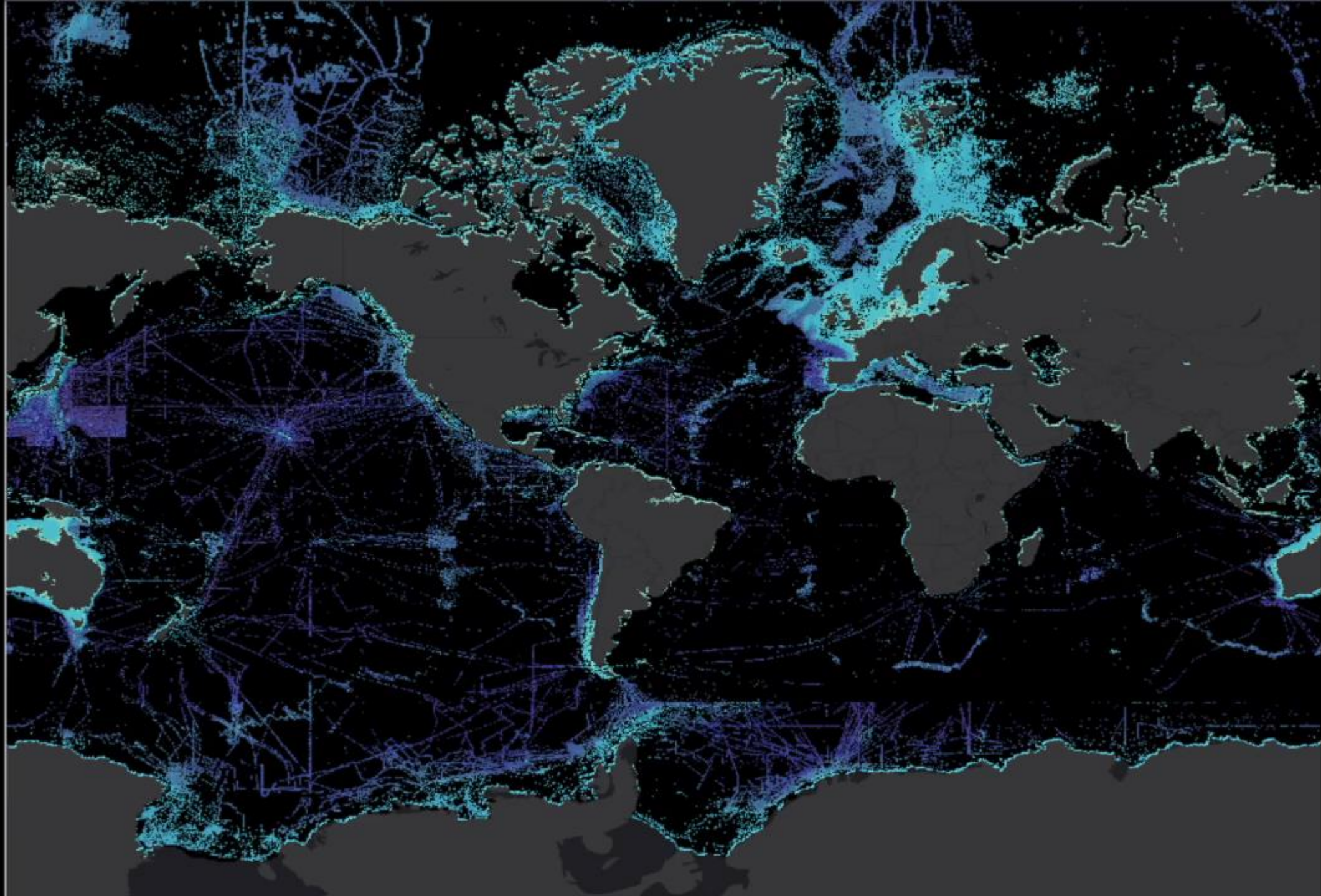
Wolfl et al, 2019



# How much of the ocean has been mapped?

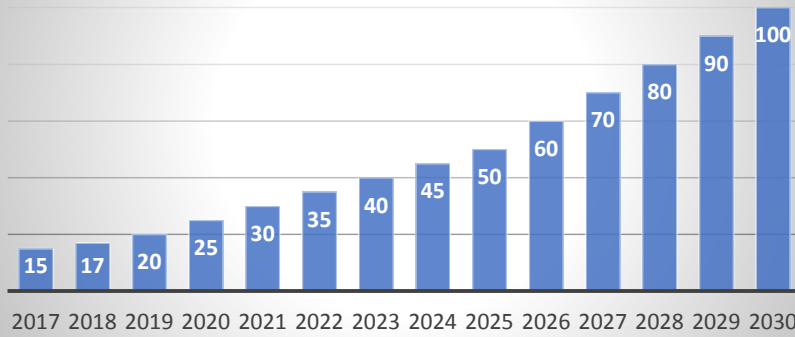






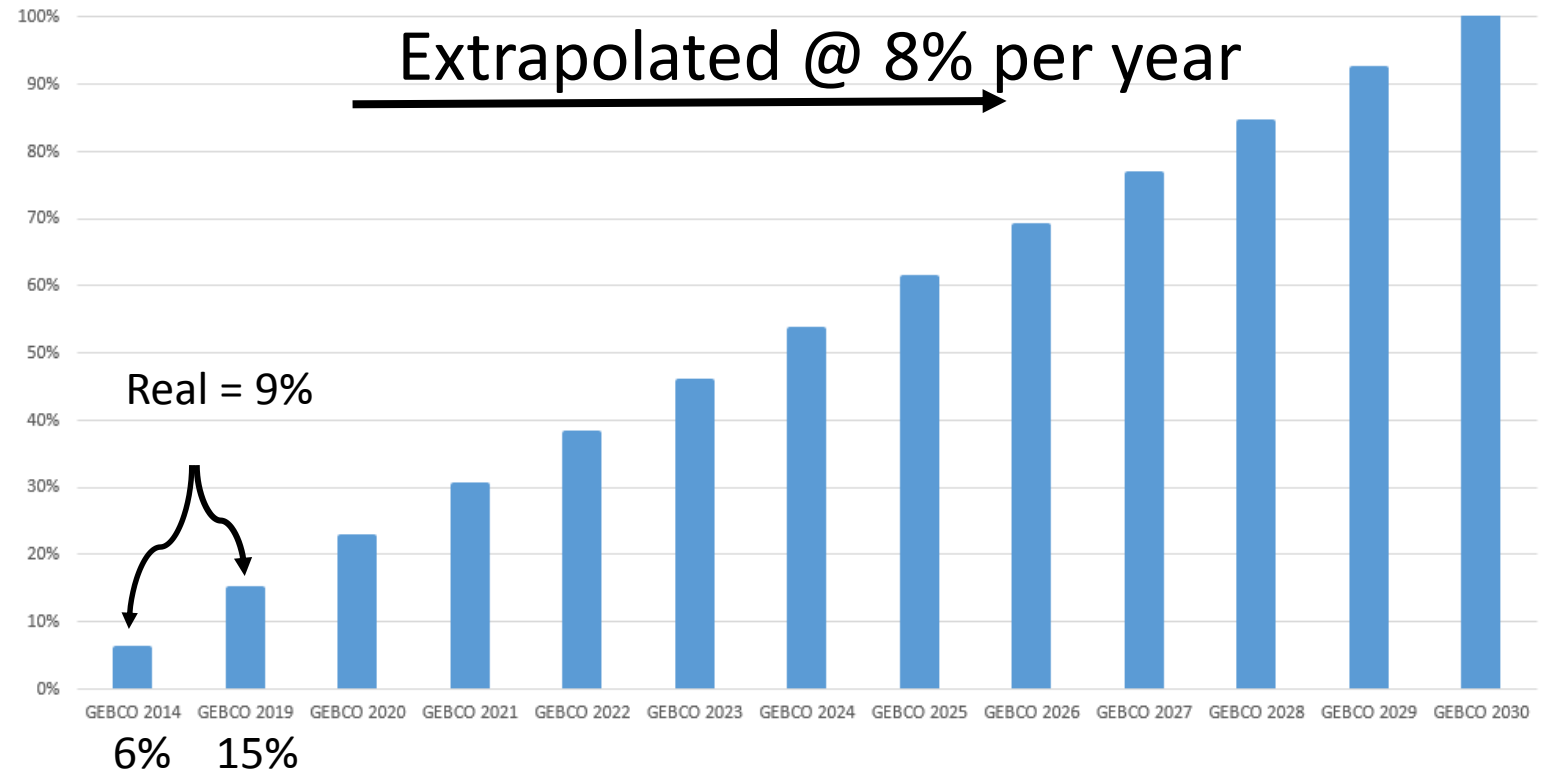


## % complete



From original proposal to Nippon Foundation  
to fund Seabed 2030 concept – all estimated values

## % Completeness of GEBCO Grid at target resolution





# Improved Data Delivery



Home » Data & Products » Gridded Bathymetry Data

We have updated our data delivery application. If you have requested data through the old application and want to access it, click [here](#).

## Global ocean & land terrain models

GEBCO's gridded bathymetric data set, the GEBCO\_2019 grid, is a global terrain model for ocean and land at 15 arc-second intervals. More [information](#) about the grid, its terms of use and attribution.

## Download the global grid files

- [Download the global GEBCO\\_2019 Grid](#) in netCDF format (11 Gbytes, 12 Gbytes uncompressed)
- [Download the global GEBCO\\_2019 SID Grid](#) in netCDF format (98 Mbytes, 1.2 Gbytes uncompressed)

## Select data for a user-defined area

Use our new application to select and download data in netCDF, Esri ASCII raster and data GeoTiff formats.



Open "<https://download.gebco.net>" in a new tab

## Jump to

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**GEBCO Compilation Group (2019) GEBCO 2019 Grid  
(doi:10.5285/836f016a-33be-6ddc-e053-6c86abc0788e)**