









General Bathymetric Chart of the Oceans

A look at the world from an ocean's perspective

On behalf of GEBCO: Boris Dorschell, Martin Jakobsson²

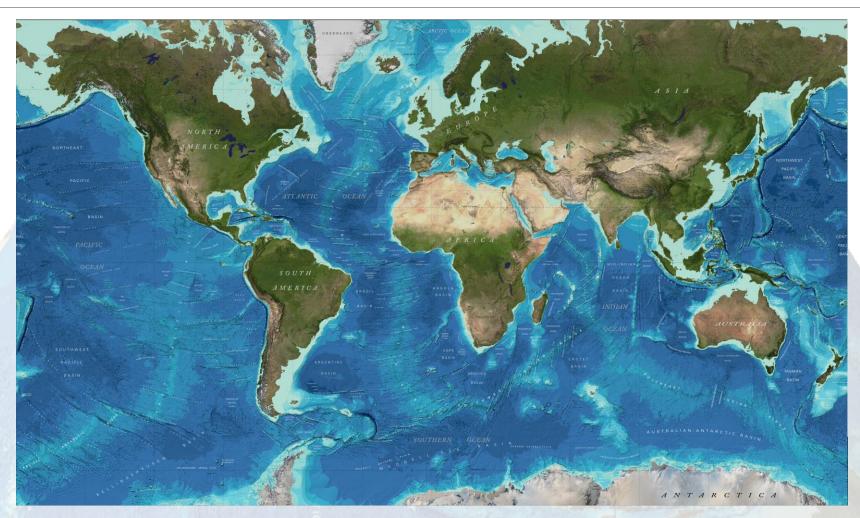
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What is GEBCO?





GEBCO aims to provide the most authoritative, publicly-available bathymetric data sets for the world's oceans



GEBCO's organisational structure



GEBCO operates under the joint auspices of the International Hydrographic Organization (IHO) and Intergovernmental Oceanographic Commission (IOC) of the UNESCO

- GEBCO is led by a Guiding Committee consisting of five IHO-appointed members; five IOC-appointed members; Sub-committee Chairs and the Director of the IHO-Data Centre for Digital Bathymetry (DCDB)
- It has 3 sub-committees and a number of working groups:
 - Sub-Committee on Undersea Feature Names (SCUFN)
 - Technical Sub-Committee on Ocean Mapping (TSCOM)
 - Sub-Committee on Regional Undersea Mapping (SCRUM)
 - Working groups on Outreach and the IHO-IOC GEBCO Cook Book

www.gebco.net/about_us/committees_and_groups/











What is GEBCO?



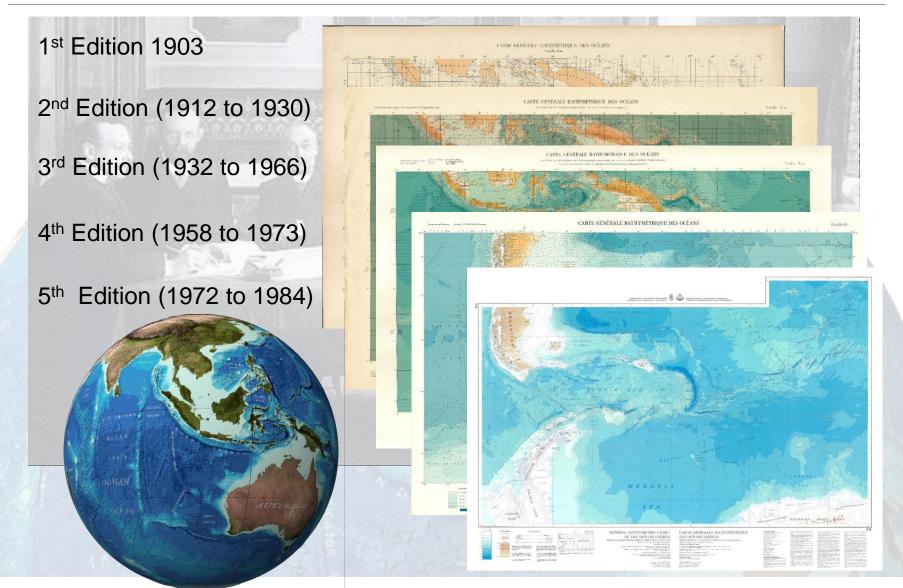


First GEBCO paper chart series initiated in 1903



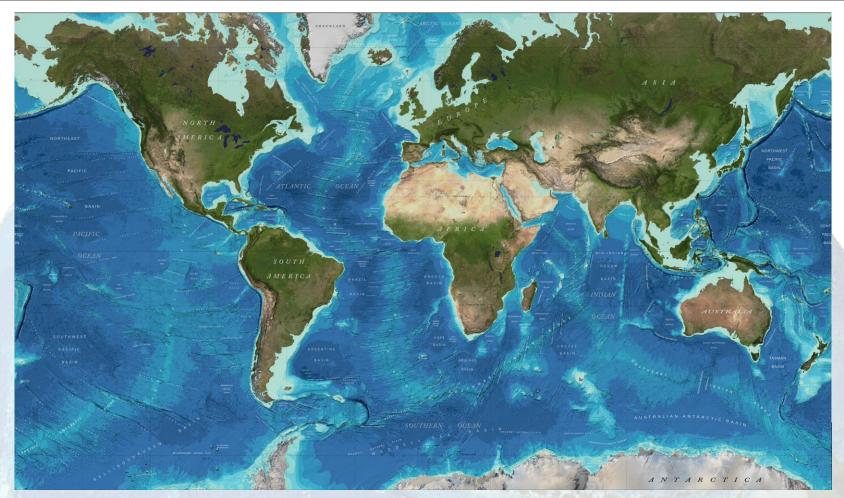
Over 100 Years of GEBCO





GEBCO's products: global bathymetric grid





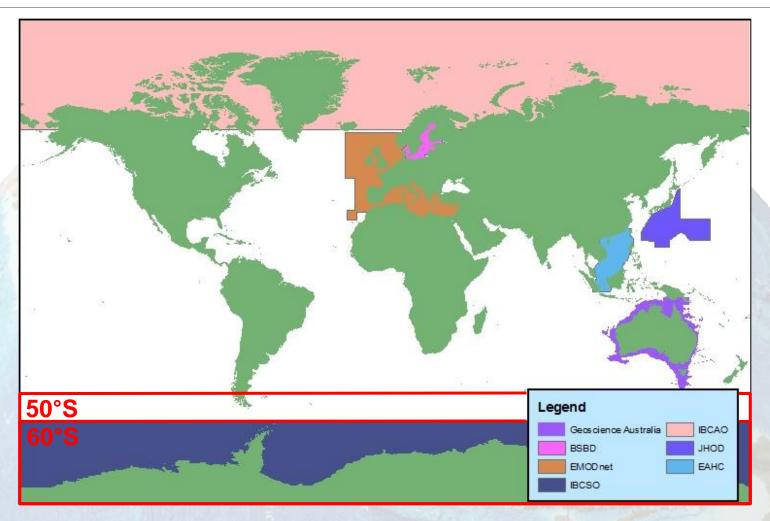
GEBCO's grids are made available for non-navigational purposes:

www.gebco.net/data_and_products/gridded_bathymetry_data/



Regional mapping work



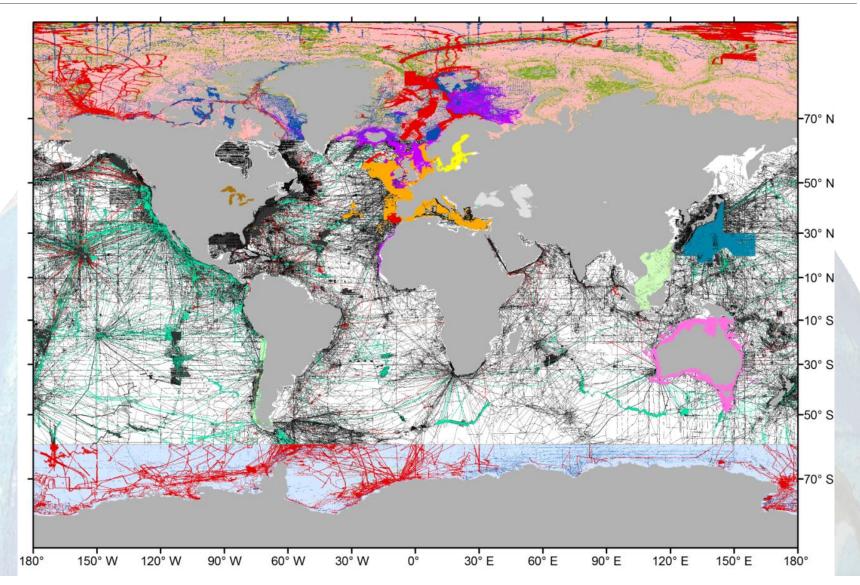


Coverage of some of the regional compilations included in the current GEBCO Grid



GEBCO's products: Source Identifier Grid



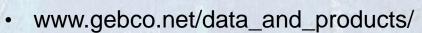


More GEBCO's products

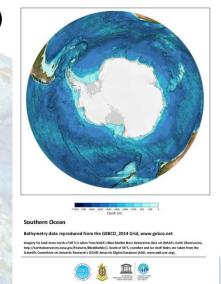


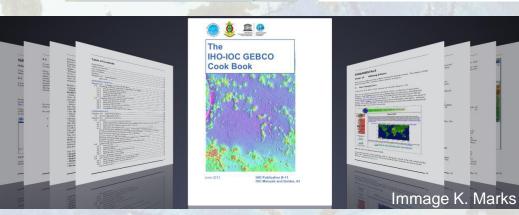
Global gridded bathymetric data set (30 arc-second interval)

- GEBCO Gazetteer of Undersea Feature Names
- GEBCO Digital Atlas
- Grid viewing software
- Printable maps
- Web Map Service (WMS)
- IHO-IOC GEBCO Cook Book



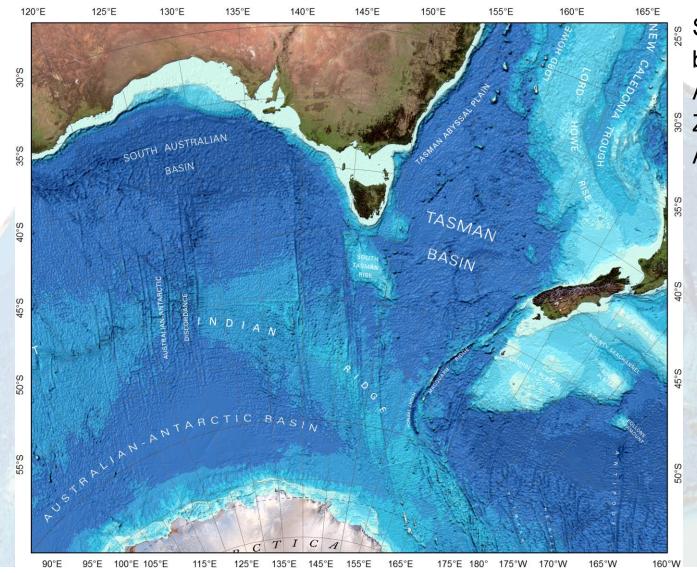






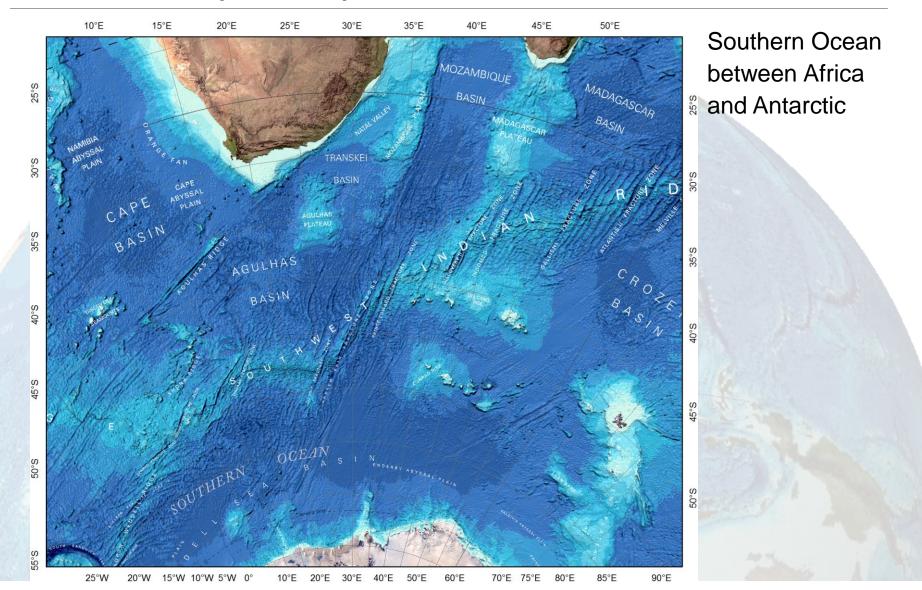




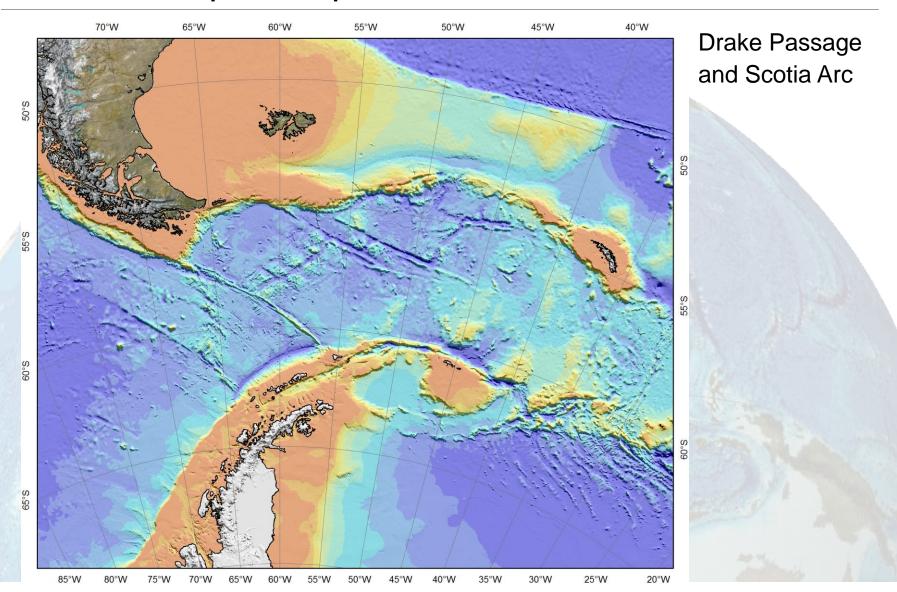


Southern Ocean between Australia, New Zealand and Antarctic

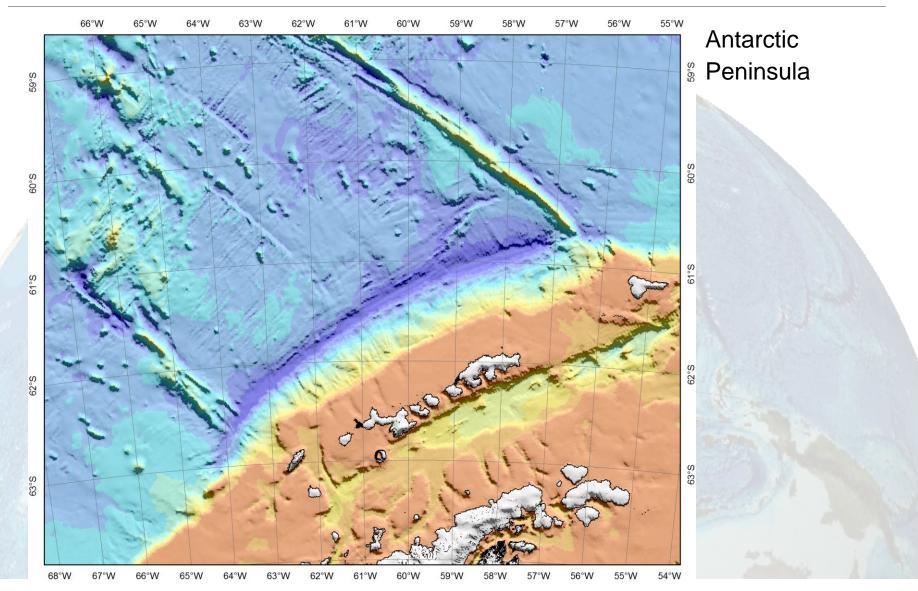






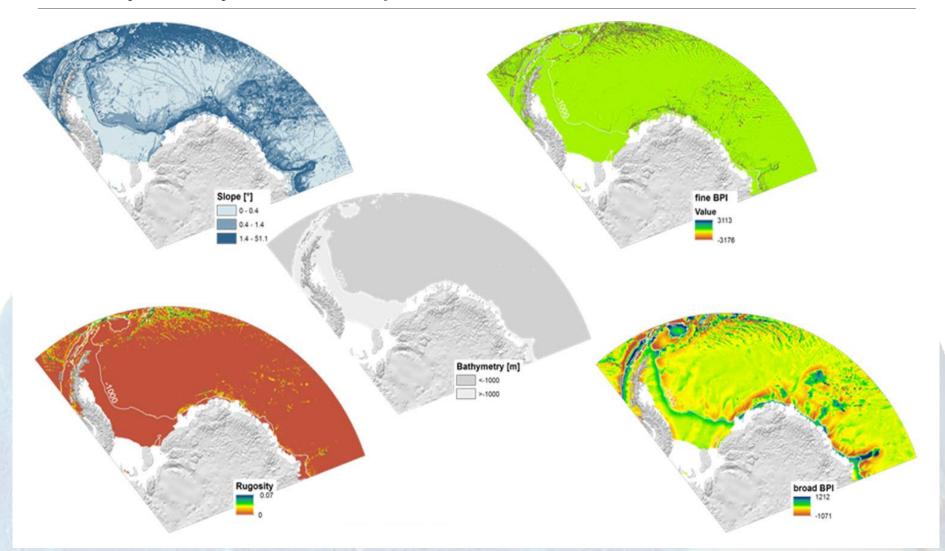






Bathymetry derived products



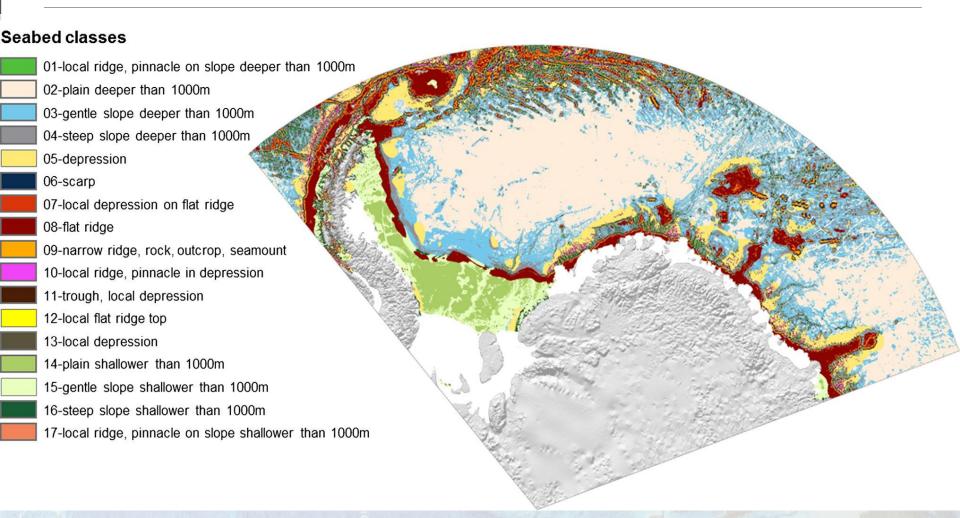


Geo-morphological analyses (Jerosch et al., 2015)



Bathymetry derived products





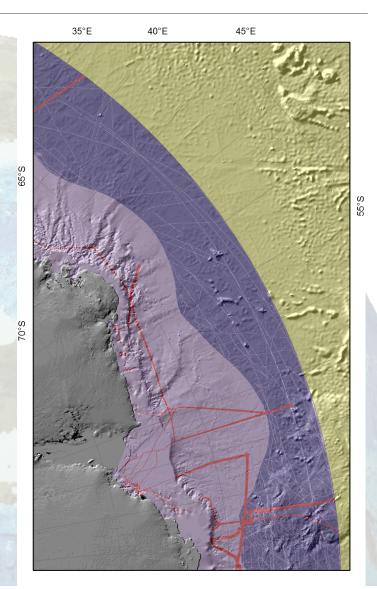
Geo-morphological analyses (Jerosch et al., 2015)



Filling the data gaps



- Raising awareness of the 'data gaps' to encourage data collection in these regions
- Encouraging organisations to make their bathymetric data sets easily discoverable and accessible, either directly or by contributing data to international publically-available databases such as the IHO Data Centre for Digital Bathymetry (IHO-DCDB)
- Crowd-sourced bathymetry (CSB) initiatives such as the IHO CSB Working Group
- Bathymetric data collected in the scope of scientific project





GEBCO's next Generation



Nippon Foundation/GEBCO Training Programme

- Training for a new generation of seafloor mappers
- A 12 month course leading to a Postgraduate certificate in Ocean Bathymetry – University of New Hampshire, USA
- Funding for the programme is provided by the Nippon Foundation of Japan
- By now, over 60 scholars from 32 coastal states have taken part in the course
- Information at:

www.gebco.net/training/







