IHO GEBCO IOC

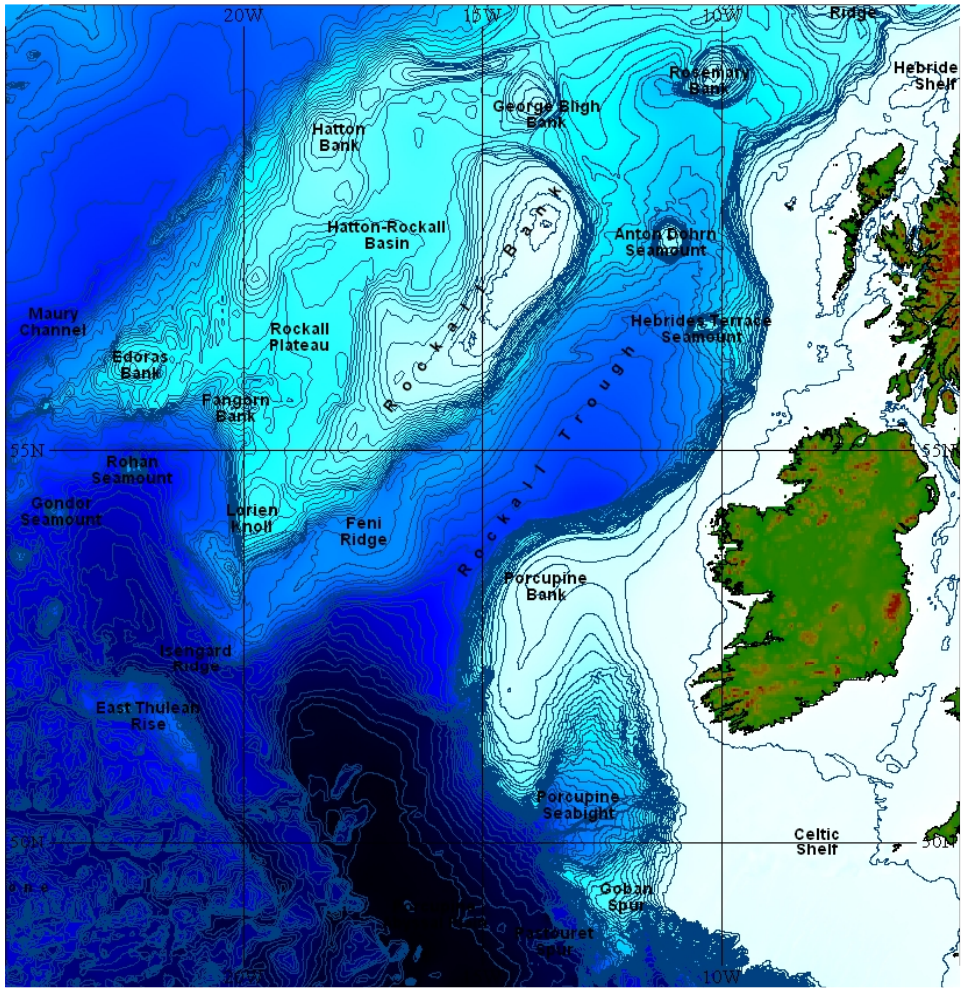
Established 1903

- Global bathymetry products
- Undersea feature names
- Capacity building

GEBCO's data sets and products

- Global bathymetric **grids**
- Global set of bathymetric **contours**
- Gazetteer of undersea **feature names**
- GEBCO **Digital Atlas** (GDA)
- GEBCO **world map**

All available at **www.gebco.net**



GEBCO's bathymetric contours, grids and undersea feature names can be displayed through the GDA

Bathymetric grids

- **GEBCO One Minute Grid**
  -- one arc-minute (approx 2 km) interval grid,
  -- released in 2003,
  -- based on the GEBCO contour data set.

- **GEBCO_08 Grid**
  -- 30 arc-second (approx 1 km) interval grid,
  -- released in 2009,
  -- based on track soundings & interpolation guided by satellite-derived gravity data
  -- grid includes data from existing gridded data sets in some areas.

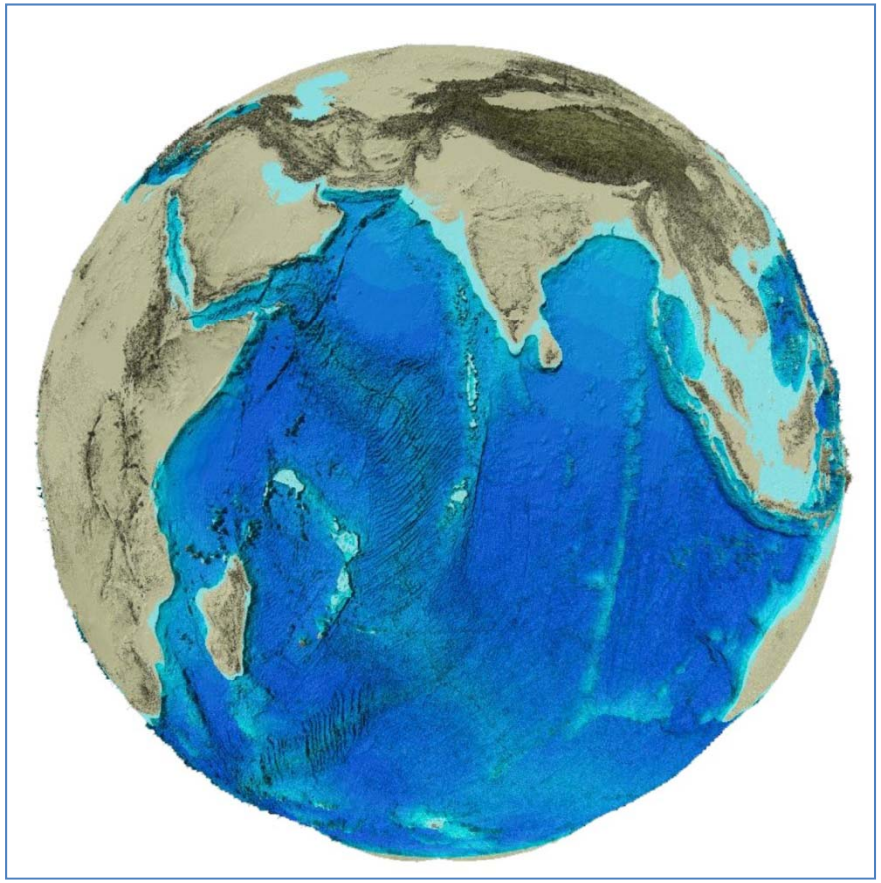
GEBCO_08 Grid

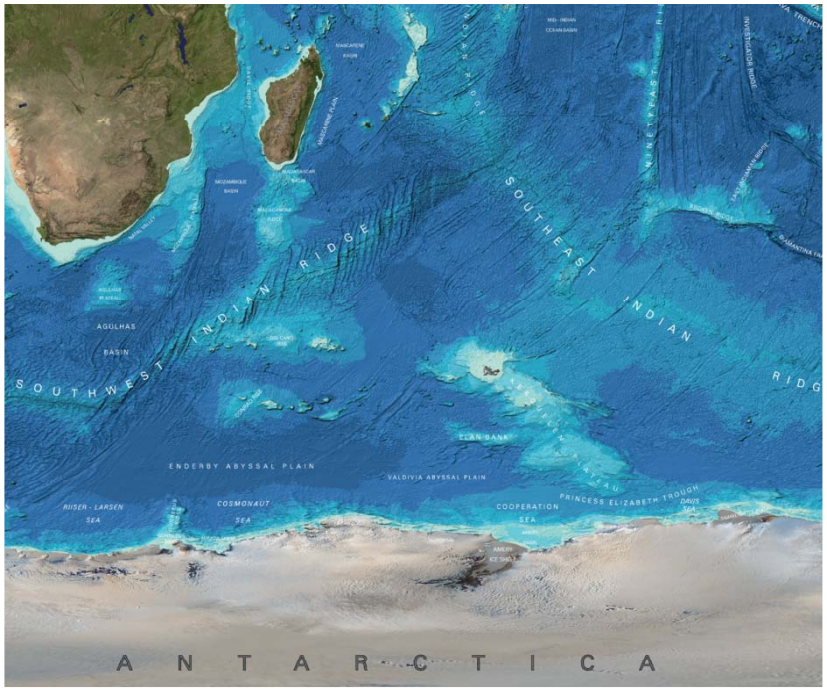
- Global grid at 30 arc-second (~ 1 km) intervals

- Based on
  -- ship-track soundings
  -- interpolation between soundings guided by satellite-derived gravity data
  -- existing gridded data sets in some areas

- Available for web download

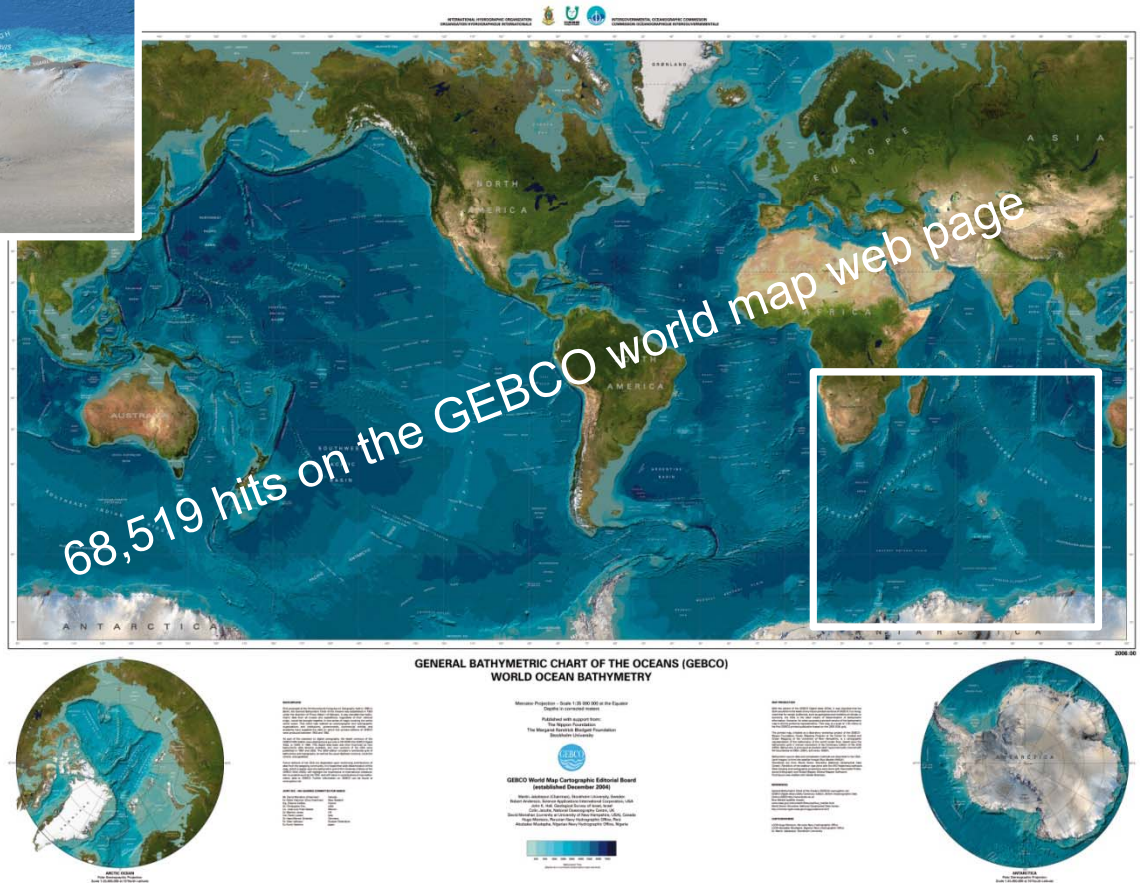
- Since its release in January 2009 over:
  - 2,300 downloads of the global grid
  - 4,000 downloads of user-defined sub-sections of the grid





New World Map

- *Based on latest GEBCO 30” grid*
- *Improved lighter color map for printing*
- *To be downloadable*



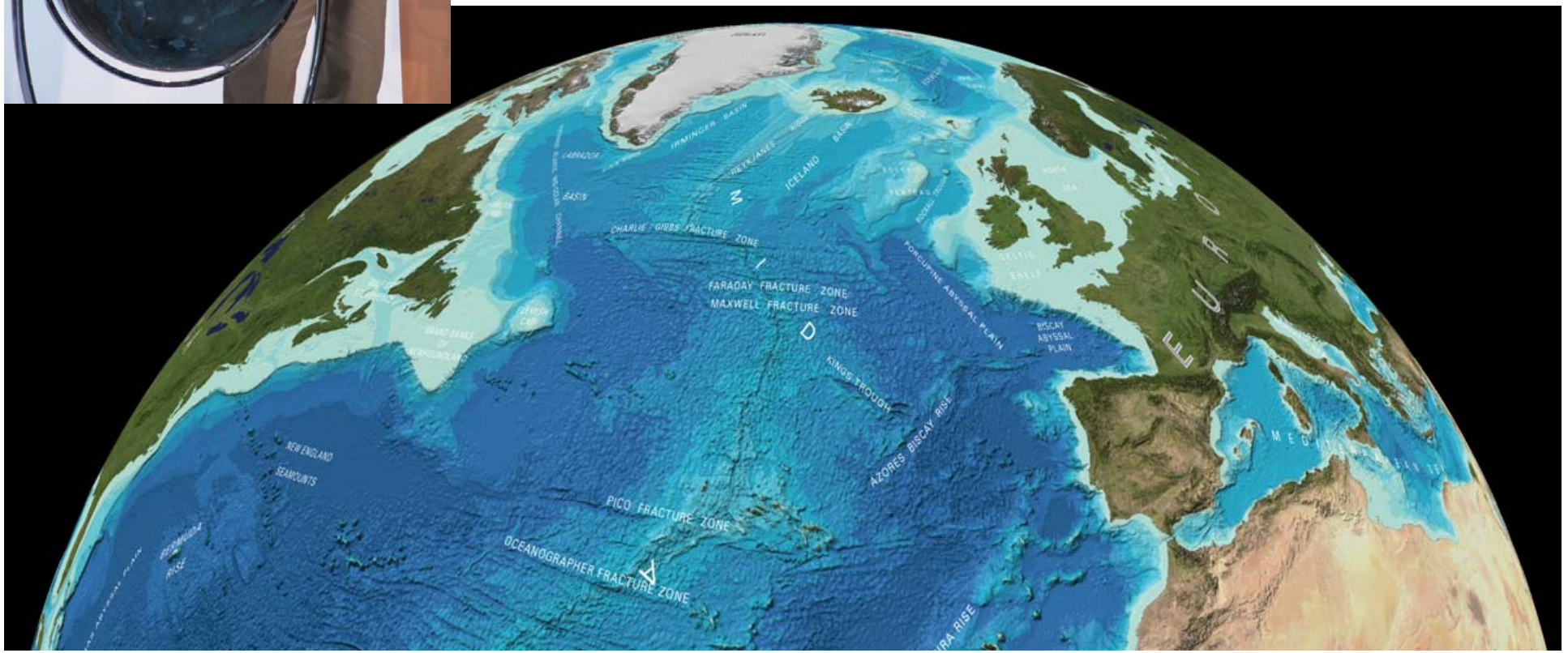
Printed World Map

published with support from:
Nippon Foundation; The Margaret Kendrick Blodgett Foundation; Stockholm University

- *Based on previous GEBCO grid*
- *5000 copies printed and distributed*
- *Freely available for download*

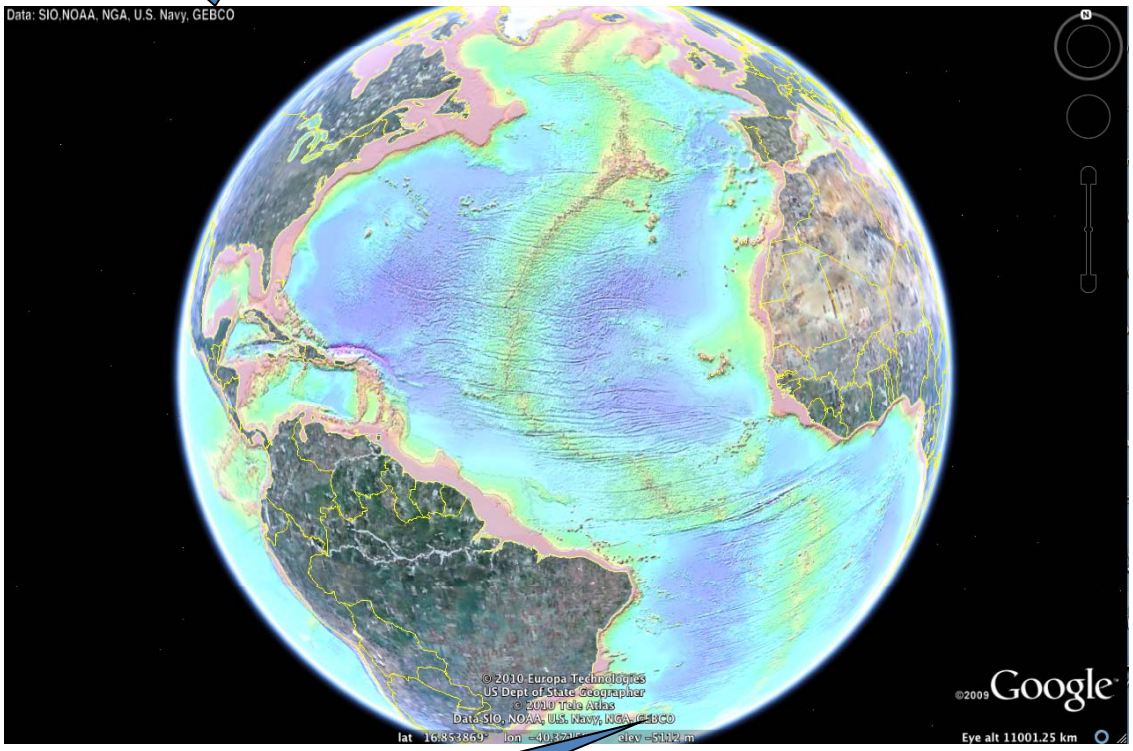
Globe
based on latest 30'' GEBCO grid

- *Prototype at GEBCO 2009 meeting in Brest (no labels, a bit too dark)*
- *Lighter color table developed for the New GEBCO World map will be used*
- *Labels of the undersea feature names, ocean and seas are being developed*
- *Different sizes being explored*



Google Earth-Ocean

GEBCO Acknowledged



GEBCO Acknowledged

GEBCO supplied global bathymetry grid to Google.

Undersea feature names are being geospatially enabled and will be provided to Google soon.

GEBCO and Google are in dialog about how best to update.

GEBCO Sub-Committee on Undersea Feature Names

•Twelve members (6 IHO, 6 IOC): Argentina, Brazil, Germany, India, Japan, Korea, Mexico, New Zealand, Pakistan, Russia, United States

- Maintains the GEBCO Gazetteer for Undersea Feature Names - 3472 entries

•Provides on-line name proposal forms

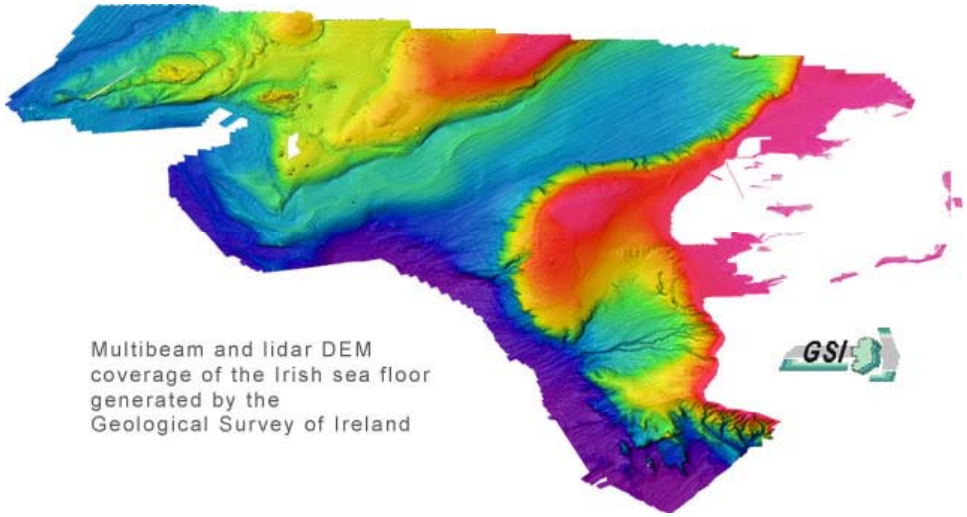
- Reviews ~ 50 new name proposals per year

- Migrating to geospatially enabled database

New Gazetteer database administrative interface

IHO Data Center for Digital Bathymetry

- Archives and provides on-line access to international hydrographic and bathymetric data
- Quality controls data and metadata
- Maintains complete digital data inventories
- Collaborates with international organizations to develop exchange formats and standards
- Updating website to make it easier to submit data



Irish data submitted to the IHO DCDB collected to define the Extended Continental Shelf

Interim Sub-Committee on Regional Undersea Mapping (iSCRUM)

- *Facilitate closer collaboration with all existing regional mapping efforts*
- *Coordinate and encourage incorporation of their compilations into GEBCO.*
- *Encourage establishment of new regional mapping projects as appropriate*

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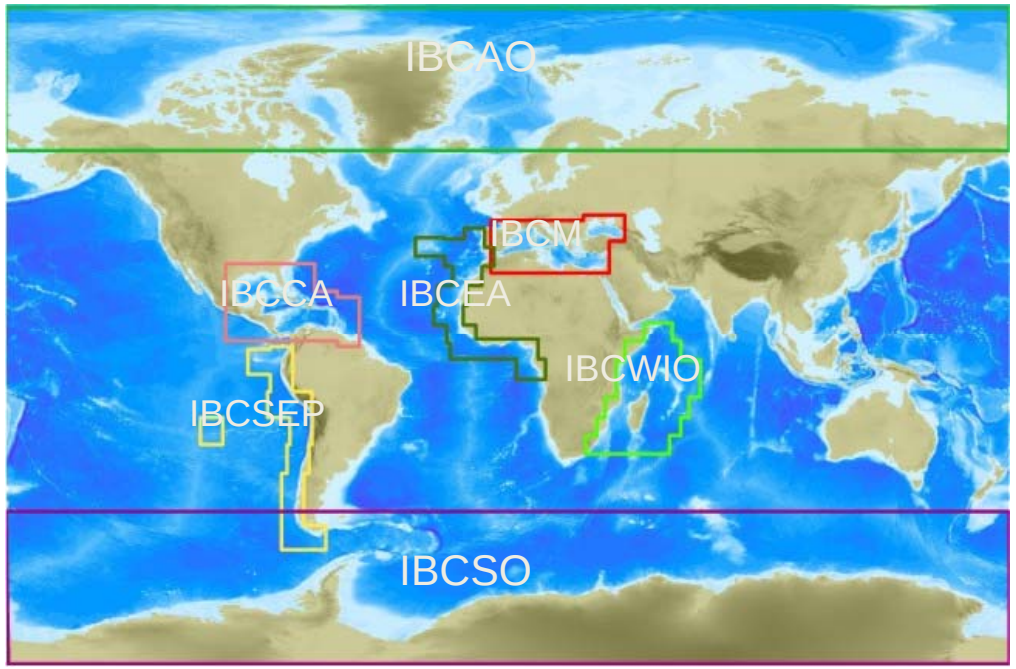
Chairman: Martin Jakobsson,
Stockholm University, Sweden

Vice Chairman: Colin Jacobs,
National Oceanography Centre,
Southampton, UK

IOC International Bathymetric Chart (IBC) projects



GEBCO's web site: www.gebco.net

Data delivery

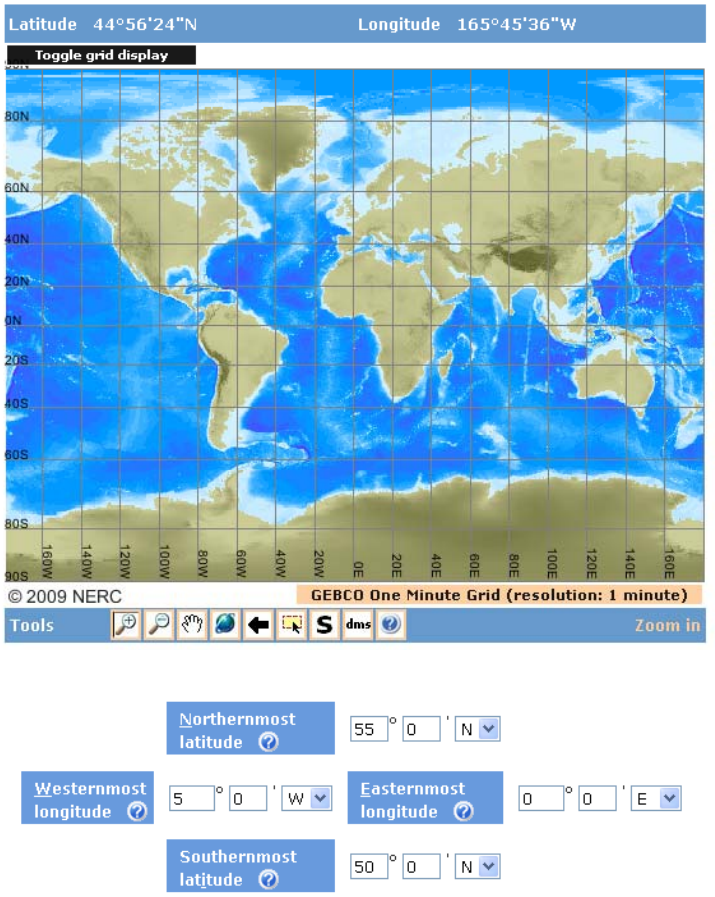
Grids are made available to download from the web in netCDF and ASCII.

Can download data for a user-defined area or the global grid file(s).

Free software for viewing and accessing data

Find out how to access the data from:

http://www.gebco.net



Web map and dialog box for selecting data for download from GEBCO's grids

GEBCO's web site: www.gebco.net

Provides in formation about GEBCO,
data sets and products;
training course;
groups and committees;
contact details
meeting information etc.

New site launched in July 2008

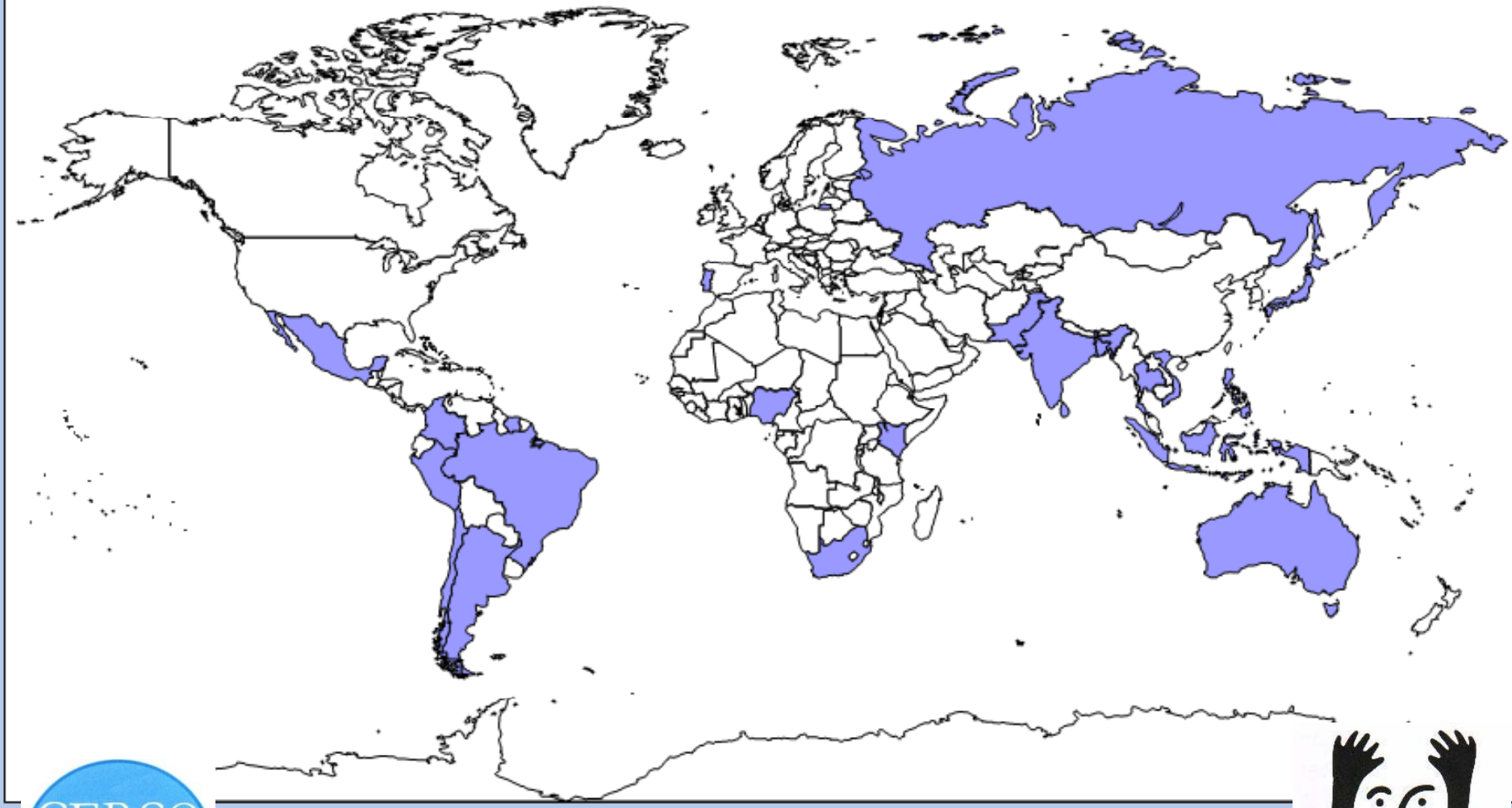
- Over 283,800 web pages viewed
- Over 97,000 visits from 206 countries

The Nippon Foundation GEBCO training program in ocean mapping

at

University of New Hampshire

Origin of Students

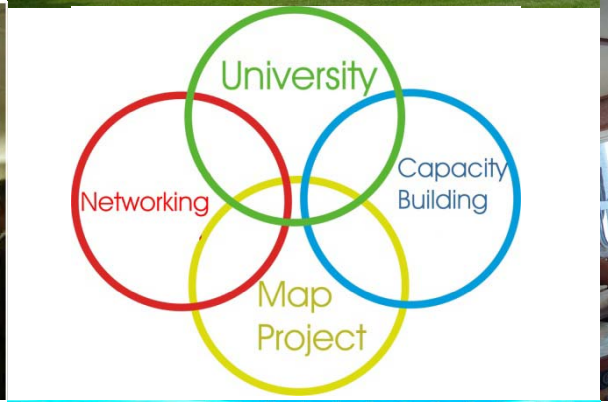


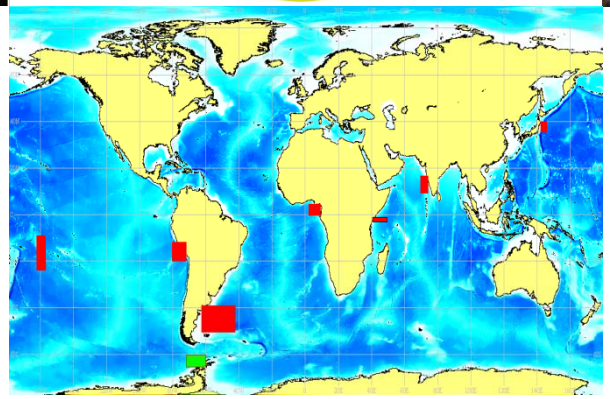
35 students 23 countries

GEBCO

日本財団
The Nippon Foundation

Components of the Program





The real objective of the program

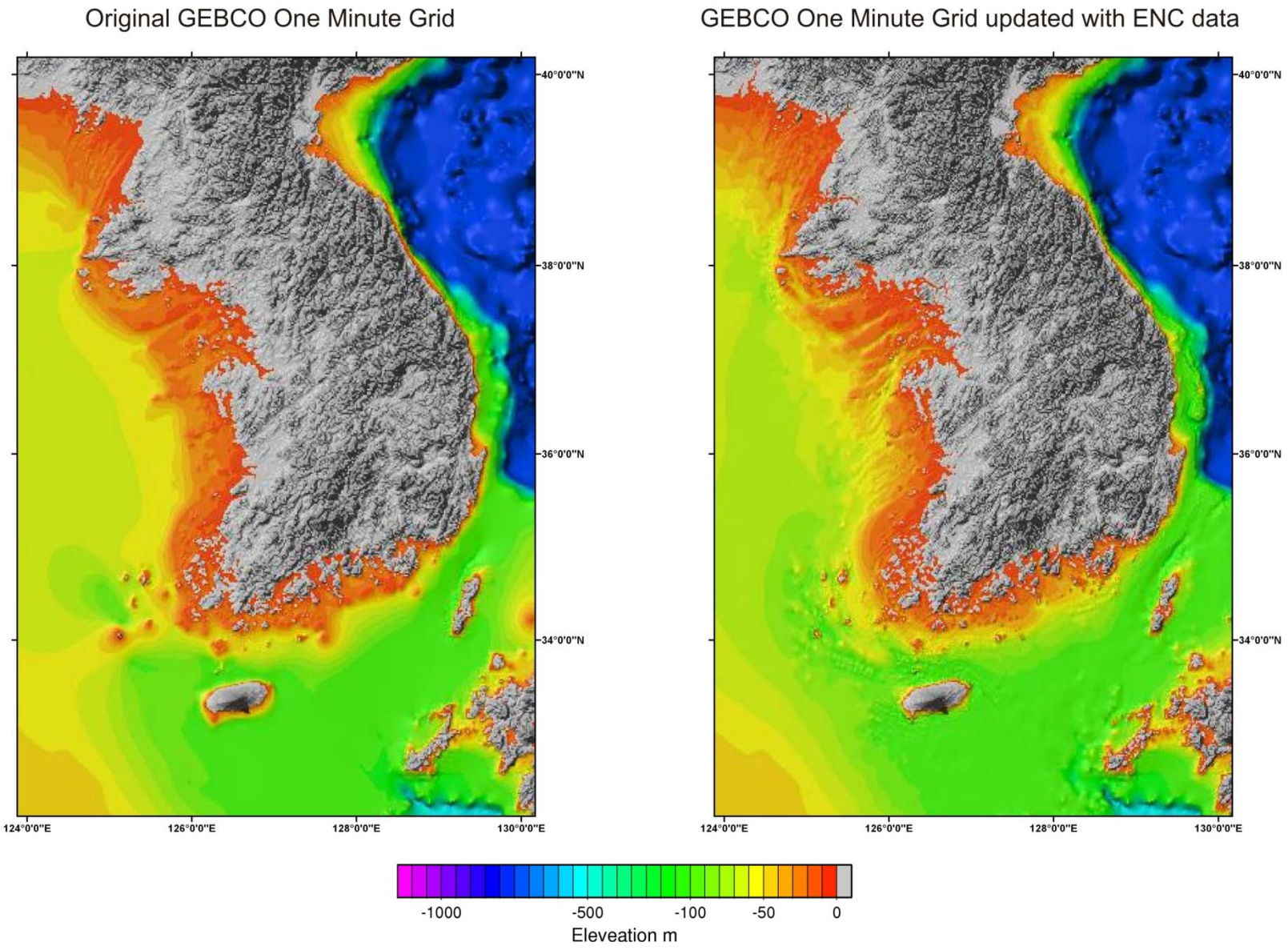
www.gebco.net

Shallow water Bathymetry

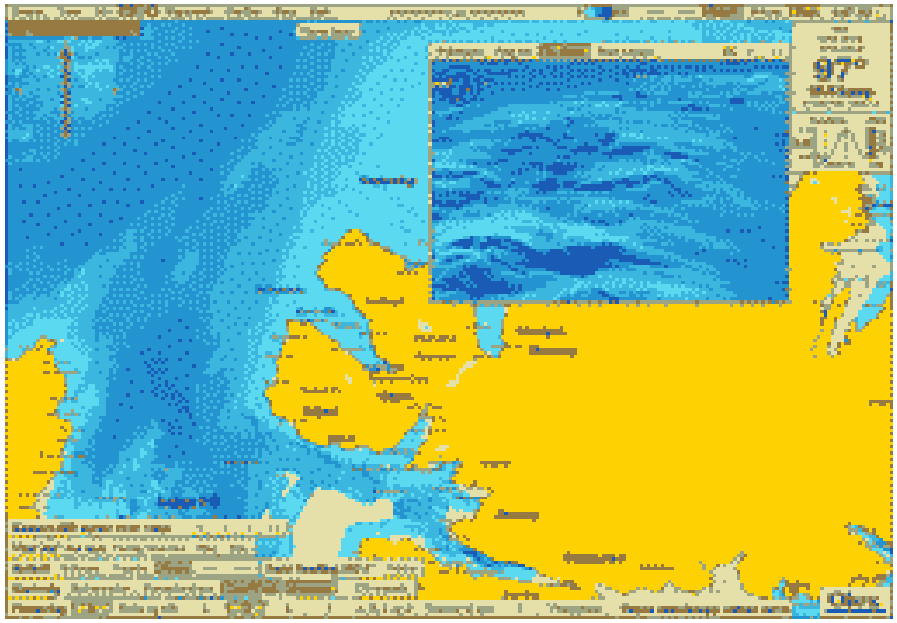
- Getting available data to GEBCO
- Updating Regional and Global grids
- New Regional compilations
- New Regional surveys

Capacity building

GEBCO shallow water bathymetry work



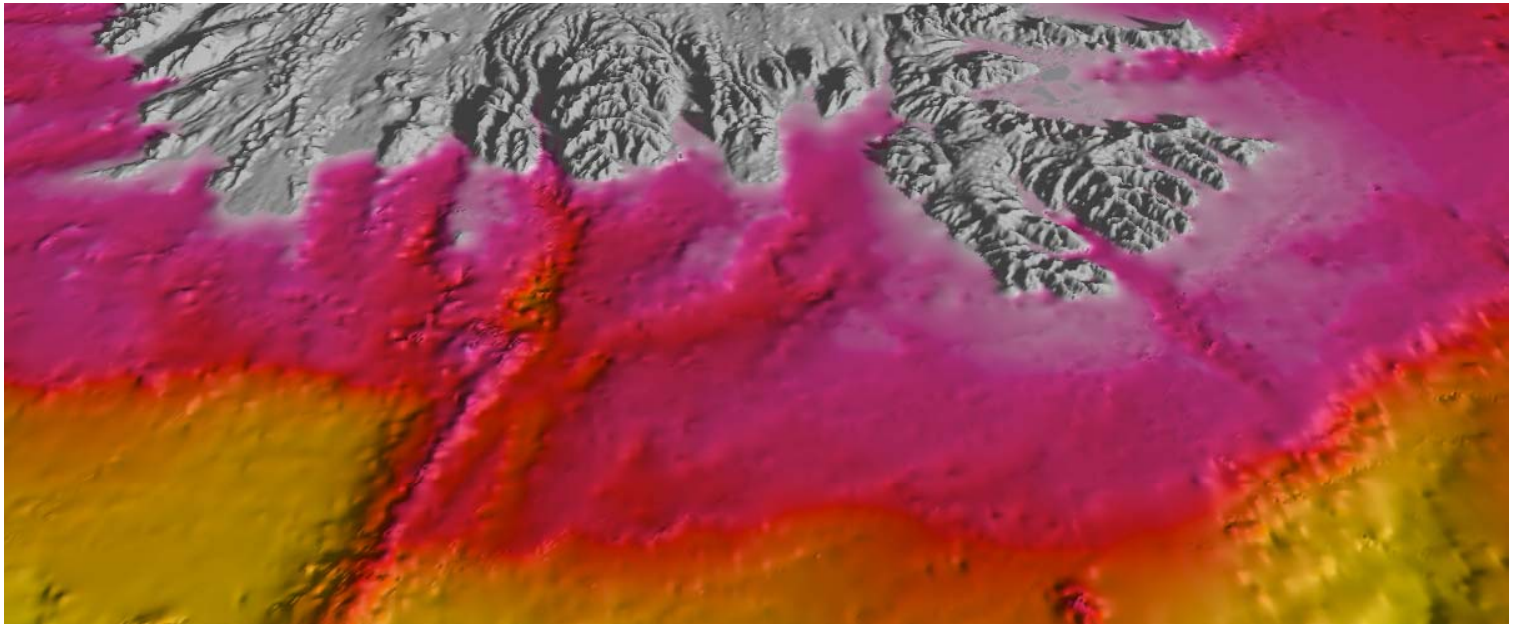
OLEX Fishing Data



- Olex mapping and visualization software
- Widely used on fishing vessels

- Sounding data collected automatically by fishing vessels
- Sent electronically to Olex
- Olex processes and quality controls all data
- Database continuously updated
- Redistributed to the users

IBC Arctic
1km grid



OLEX
400m grid