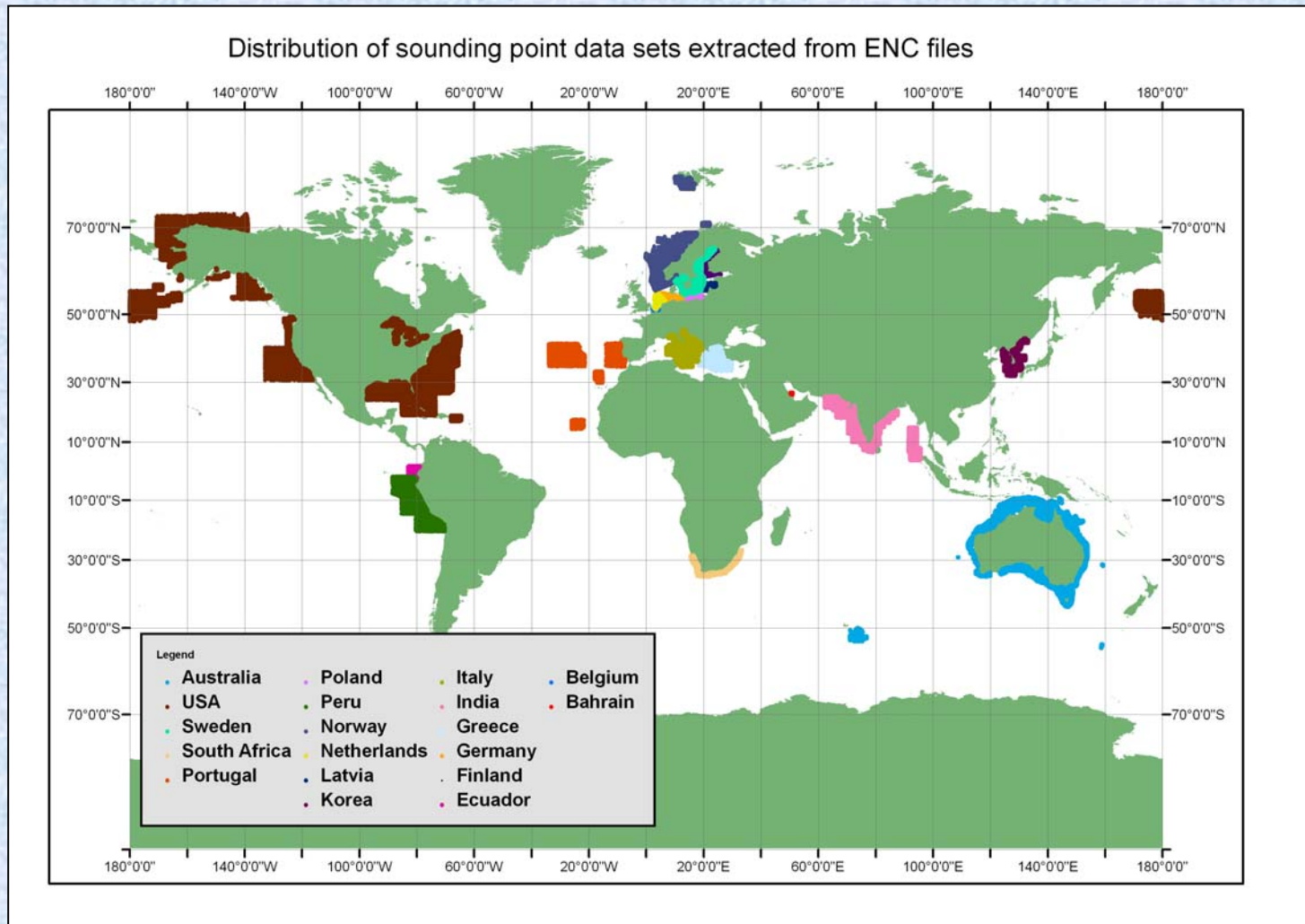




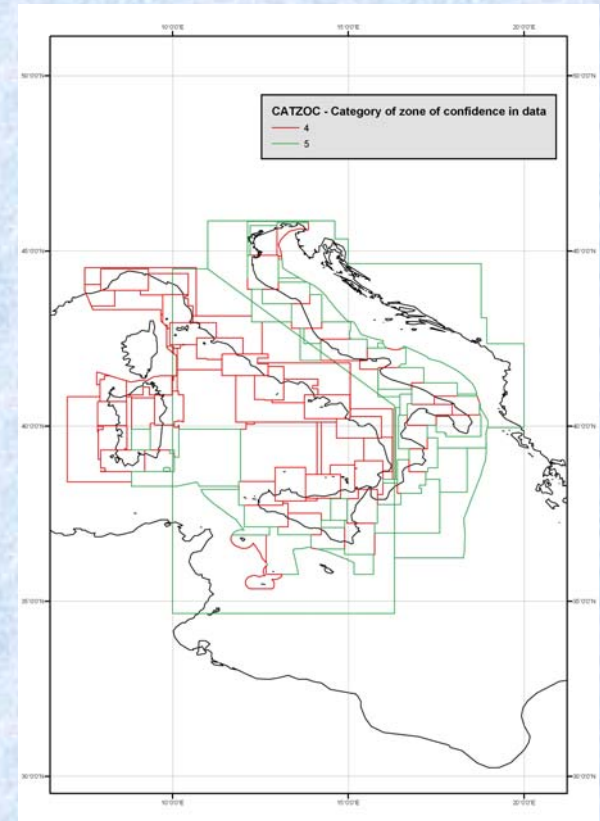
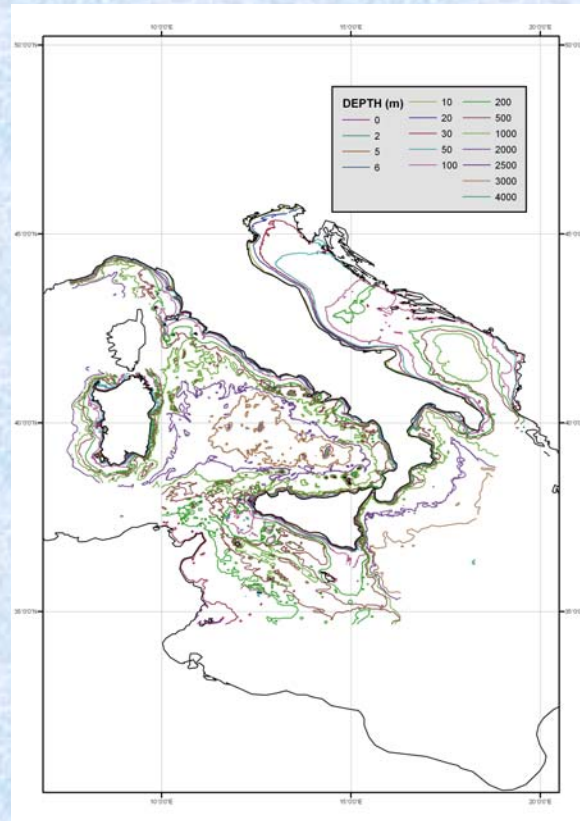
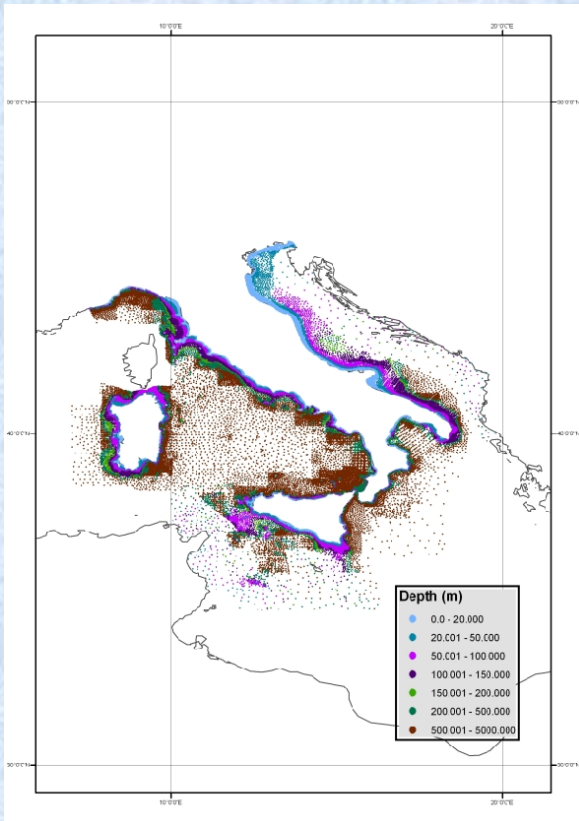
Report of the GEBCO Digital Atlas Manager June 2006 – September 2007

Pauline Weatherall
British Oceanographic Data Centre

Improving the GEBCO One Minute Grid in shallow water areas

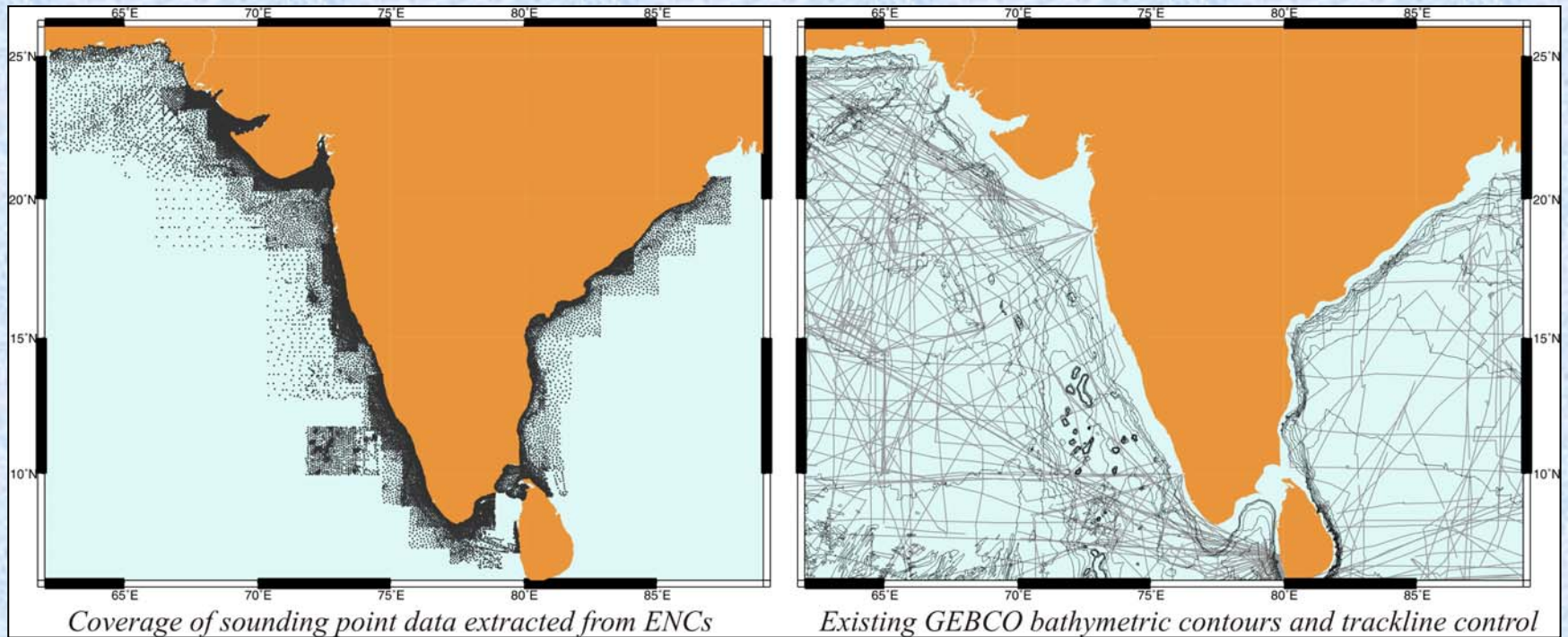


Improving the GEBCO One Minute Grid in shallow water areas

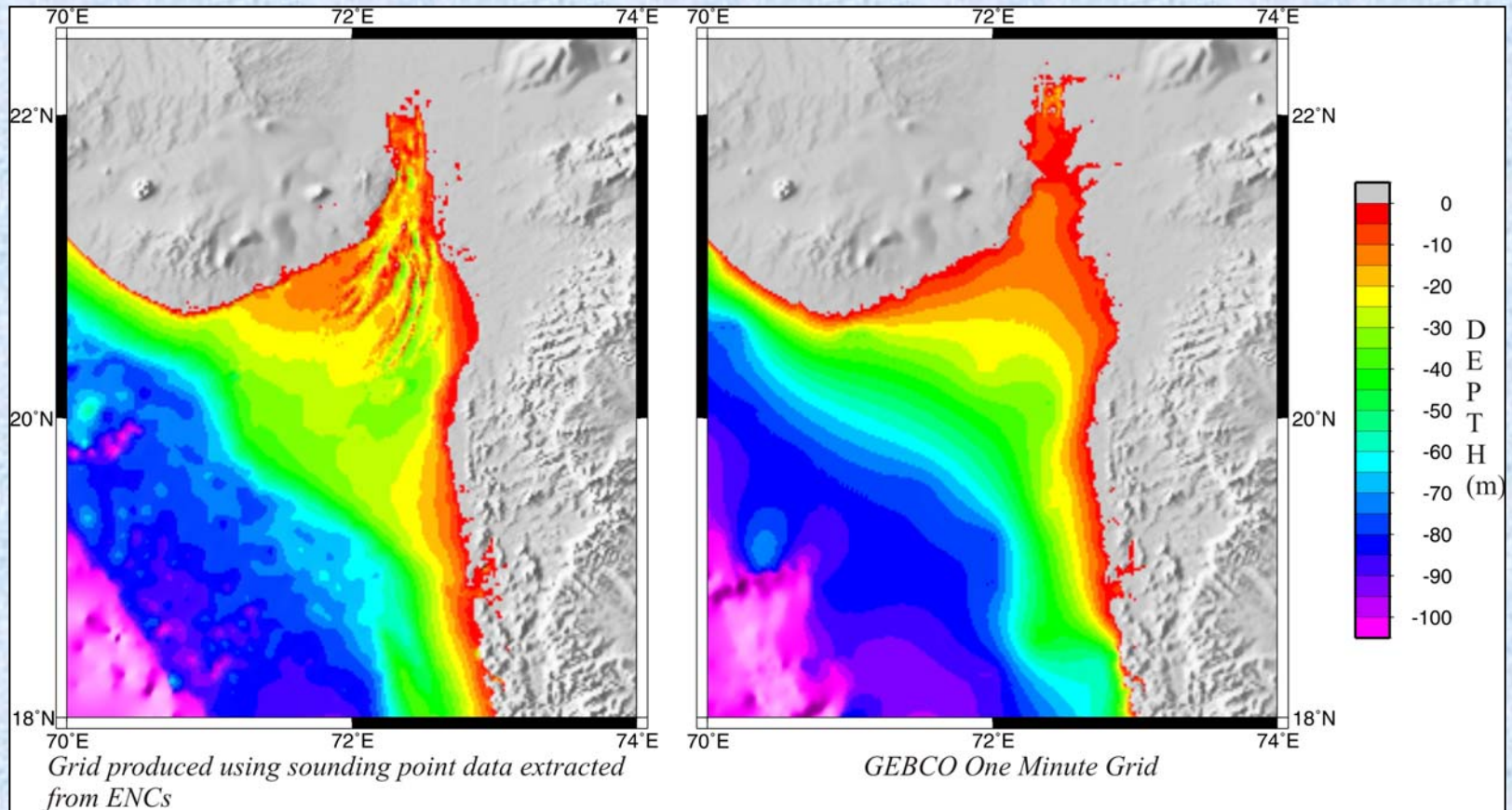


The ENC data sets can consist of sounding point, bathymetric contour, coastline and quality of data information.

Improving the GEBCO One Minute Grid in shallow water areas

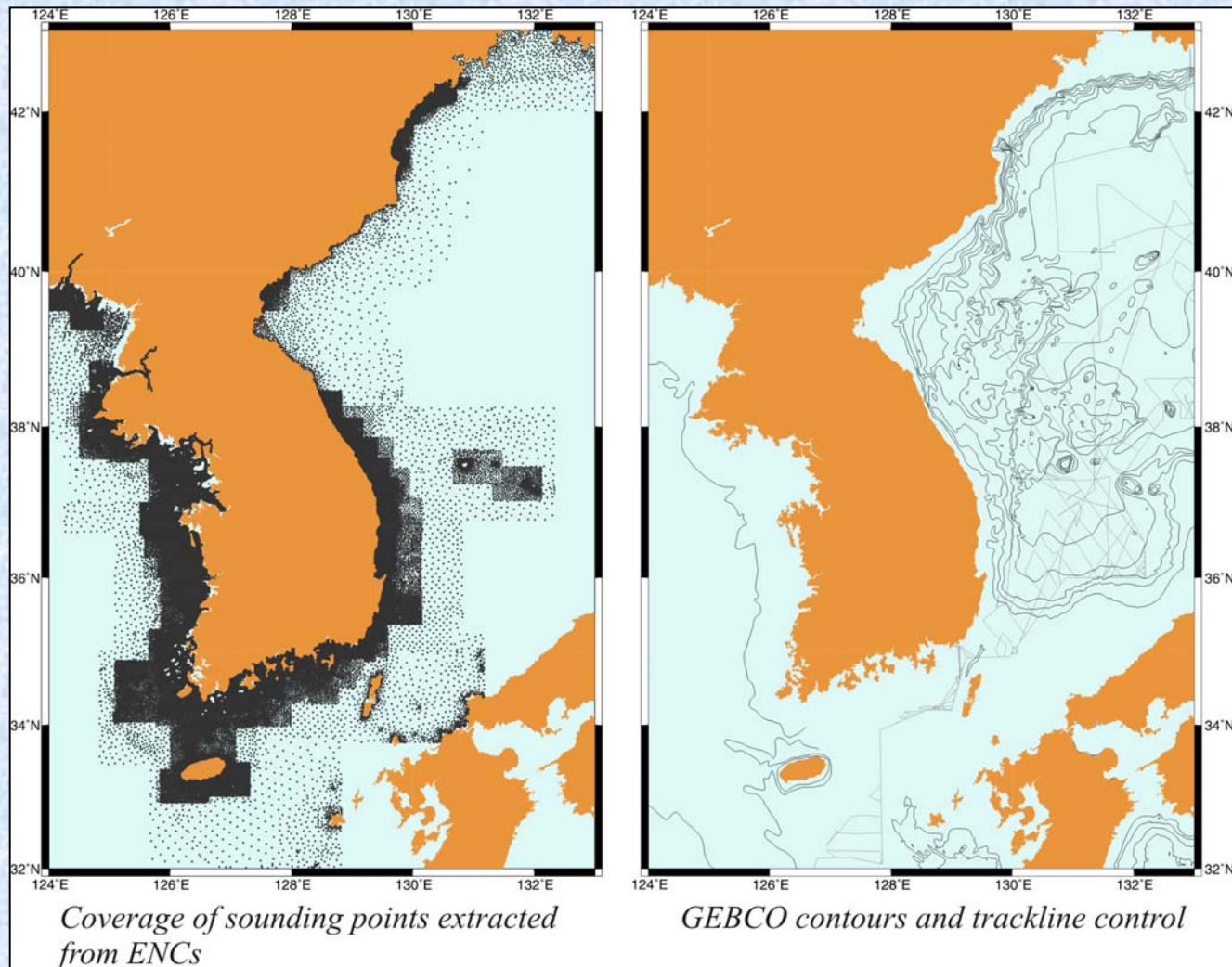


Improving the GEBCO One Minute Grid in shallow water areas

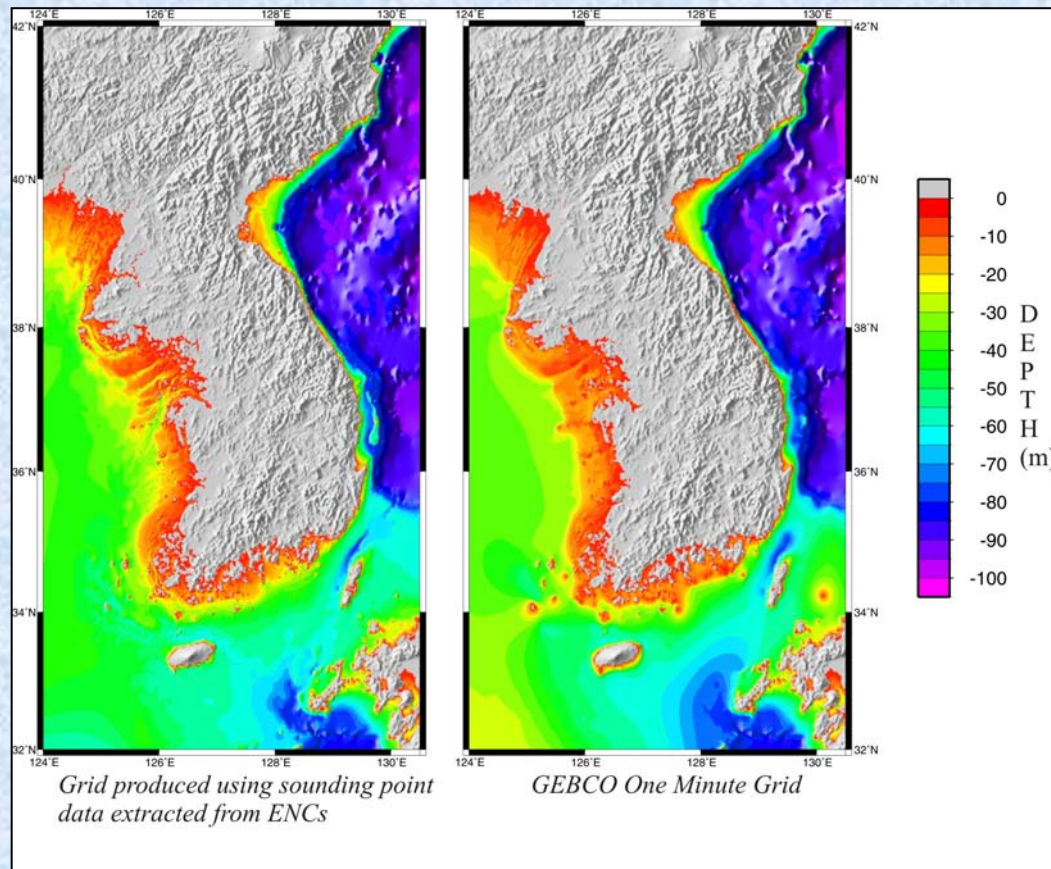


Comparison of the GEBCO One Minute Grid and a grid produced using ENC sounding point data for the Gulf of Khambhat region

Improving the GEBCO One Minute Grid in shallow water areas

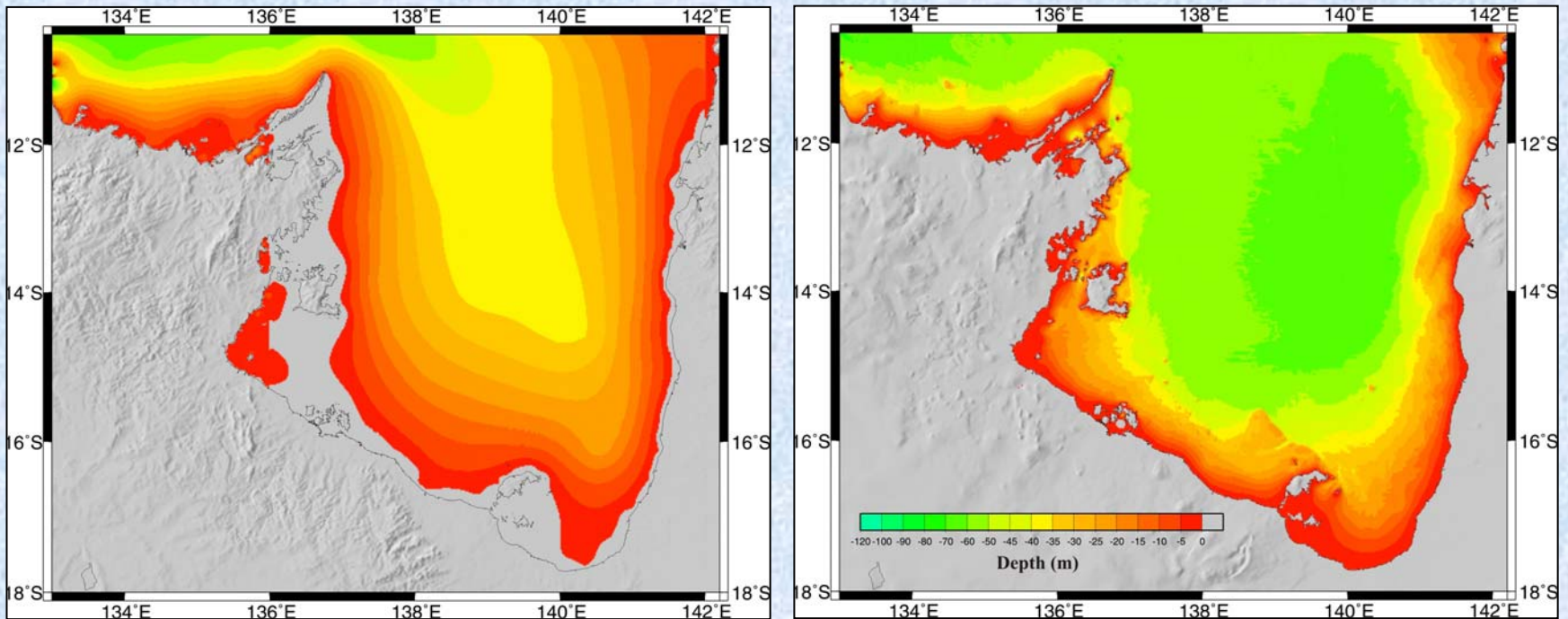


Improving the GEBCO One Minute Grid in shallow water areas



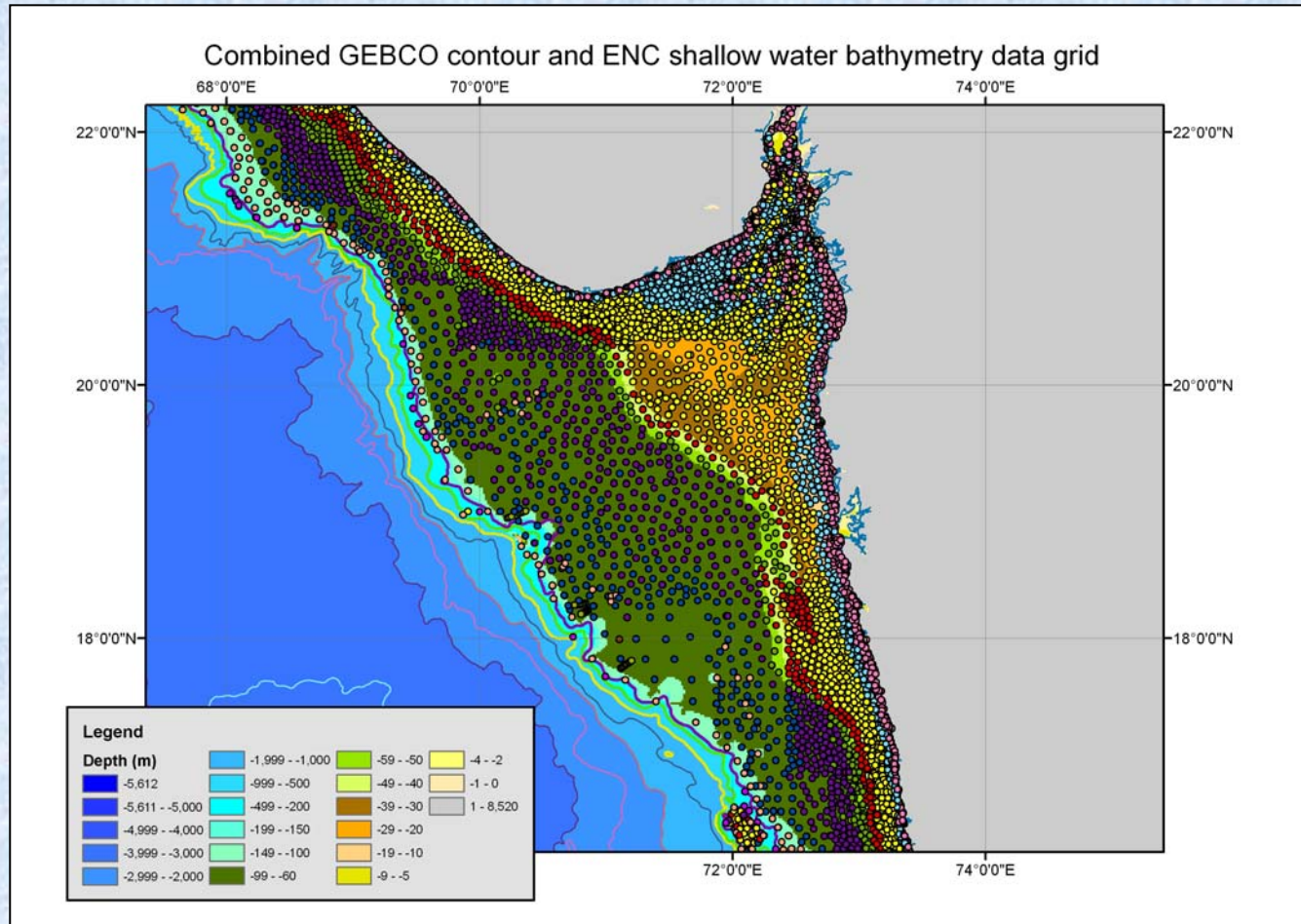
Comparison of the GEBCO One Minute Grid and a grid produced using ENC sounding point data for the Korean Peninsula region

Improving the GEBCO One Minute Grid in shallow water areas



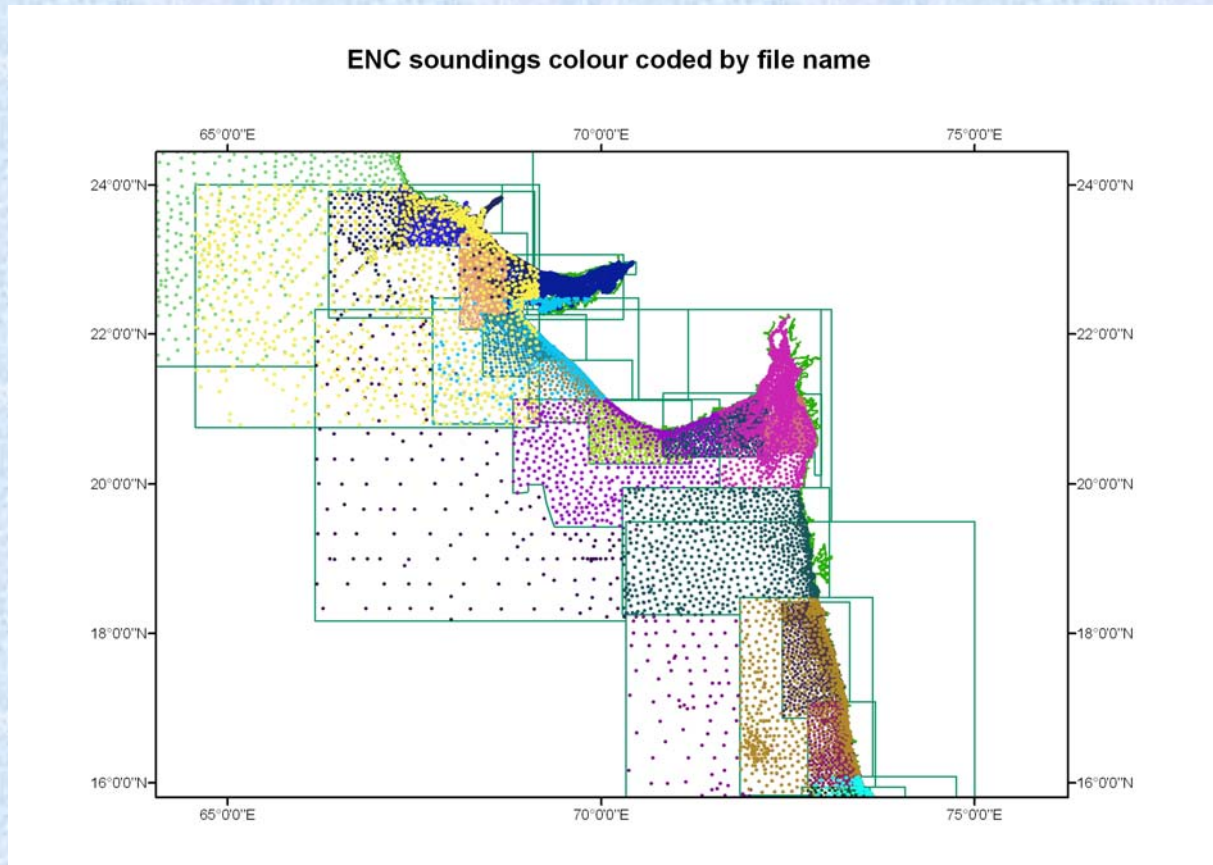
Comparison of the GEBCO One Minute Grid (left) and a grid produced using shallow water bathymetry data (right) for the Gulf of Carpentaria region.

Improving the GEBCO One Minute Grid in shallow water areas



Gulf of Khambhat region – grid produced using GEBCO contours and ENC data in shallow water areas.

Improving the GEBCO One Minute Grid in shallow water areas



The ENC data sets can contain soundings from a number of overlapping charts.

Software releases

In July 2006 a revised version of the GDA software interface was released. It includes the following features:

- Add data from your own files of data points for display.
- Select to display the name text for features from the IHO/IOC Gazetteer of Geographic Names of Undersea Features.
- Select to display the position of names of undersea features by feature type.
- Use a 'magnify' tool to visualise areas of the map.

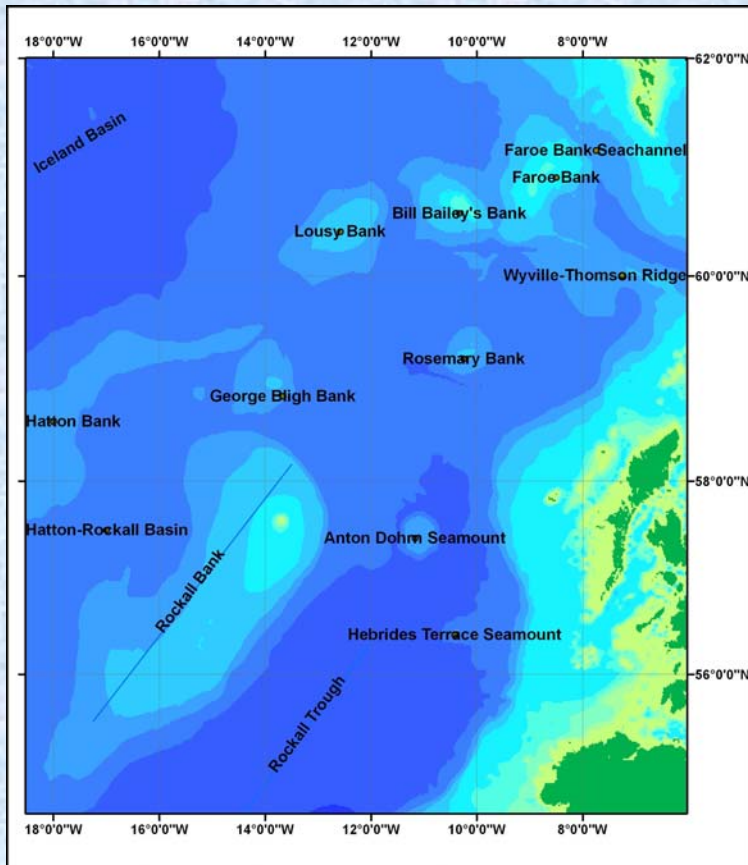
Software releases

A modified version of the GEBCO Digital Atlas software interface, for viewing and accessing data from the GEBCO One Minute Grid, was released in January 2007.

http://www.bodc.ac.uk/products/software_products/gebco_grid_display/

Since its release there have been over 700 downloads of the software.

Building a database from the IHO/IOC Gazetteer of Geographic Names of Undersea Features data set



Software has been developed to create database tables from the gazetteer data set.

This work has been done with a view to updating the version of the gazetteer used in the GDA, and also to develop a Web Feature Service from the data set.

It builds on the substantial effort carried out at the US National Geophysical Data Center (NGDC) in reformatting the gazetteer data set.

GEBCO Digital Atlas user support and data set distribution

In June 2006, BODC launched a new web application for access to the GEBCO One Minute Grid.

http://www.bodc.ac.uk/data/online_delivery/gebco/

There have been over 3,800 downloads of data since the launch of this application.

Since July 2006 we have dealt with:

- 93 enquiries concerning the GDA and its data sets.
- Requests for 131 GDA CD-ROMs

Posters produced for display at:

- The Scientific Committee on Oceanic Research (SCOR) Summit of International Marine Research Projects, held in London in December 2006.

http://www.ngdc.noaa.gov/mgg/gebco/posters/gebco_poster_20061219.pdf

- The XVIIth International Hydrographic Conference, held in Monaco in May 2007.

http://www.ngdc.noaa.gov/mgg/gebco/posters/gebco_shallow_bath_20070501.pdf

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- A web page has been produced to advertise the availability of the GEBCO world map:

http://www.bodc.ac.uk/projects/international/gebco/gebco_world_map/index.html

- In July 2007, BODC hosted a two-week visit by a Nippon Foundation/GEBCO Training Project student.