

Eighth GEBCO Science – presentation abstract

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Poster presentation title: IOBC Moves Forward with Educational Benefits

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The Indian Ocean Bathymetric Compilation (IOBC) project is supported by the effort of Nippon Foundation / GEBCO Training Program students.

The 8th class (2011-2012) worked on major data sources identification. The 9th class (2012-2013) processed the chosen datasets to test the procedures of data gridding. These results were incorporated into the compilation project as well as into their class project. This project created educational material in the form of a web page.

Seven datasets from the western region of the Gulf of Aden, obtained from the NGDC database, were chosen for data processing. MB-System software was used for data format conversion from raw multibeam files to xyz files. Ungridded data was cleaned and gridded at 100 m resolution in Fledermaus. The GEBCO 30-arc second dataset was used to fill the areas where swath data were not available. The final surface was generated in GMT using the spline interpolation algorithm at the resolution of 100 m.

Data processing and surface generation comprise part of the next phase of the IOBC project. This project also provided the opportunity for Nippon Foundation / GEBCO students to practice processing multibeam data and gridding techniques.