



CIRCULAR LETTER IHO 11/2016

CHATSO

10ª Reunião – Buenos Aires/2016





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INTERNATIONAL HYDROGRAPHIC
ORGANIZATION



ORGANISATION HYDROGRAPHIQUE
INTERNATIONALE

IHB File No. S3/2636

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01 March 2016

REQUEST FOR SHALLOW WATER BATHYMETRIC DATA

References:

- A. IHO Circular Letter 36/2006 dated 28 March 2006 – *Request for Shallow Water Bathymetric Data.*
- B. IHO Circular Letter 14/2007 dated 02 February 2007 - *Request for Shallow Water Bathymetric Data.*

Dear Hydrographer,

1. References A and B invited IHO Member States to provide sounding data extracted from Electronic Navigational Charts (ENC), in order to improve the ocean grid compiled and published as part of the Joint IHO-IOC General Bathymetric Chart of the Oceans (GEBCO) Project. Through this



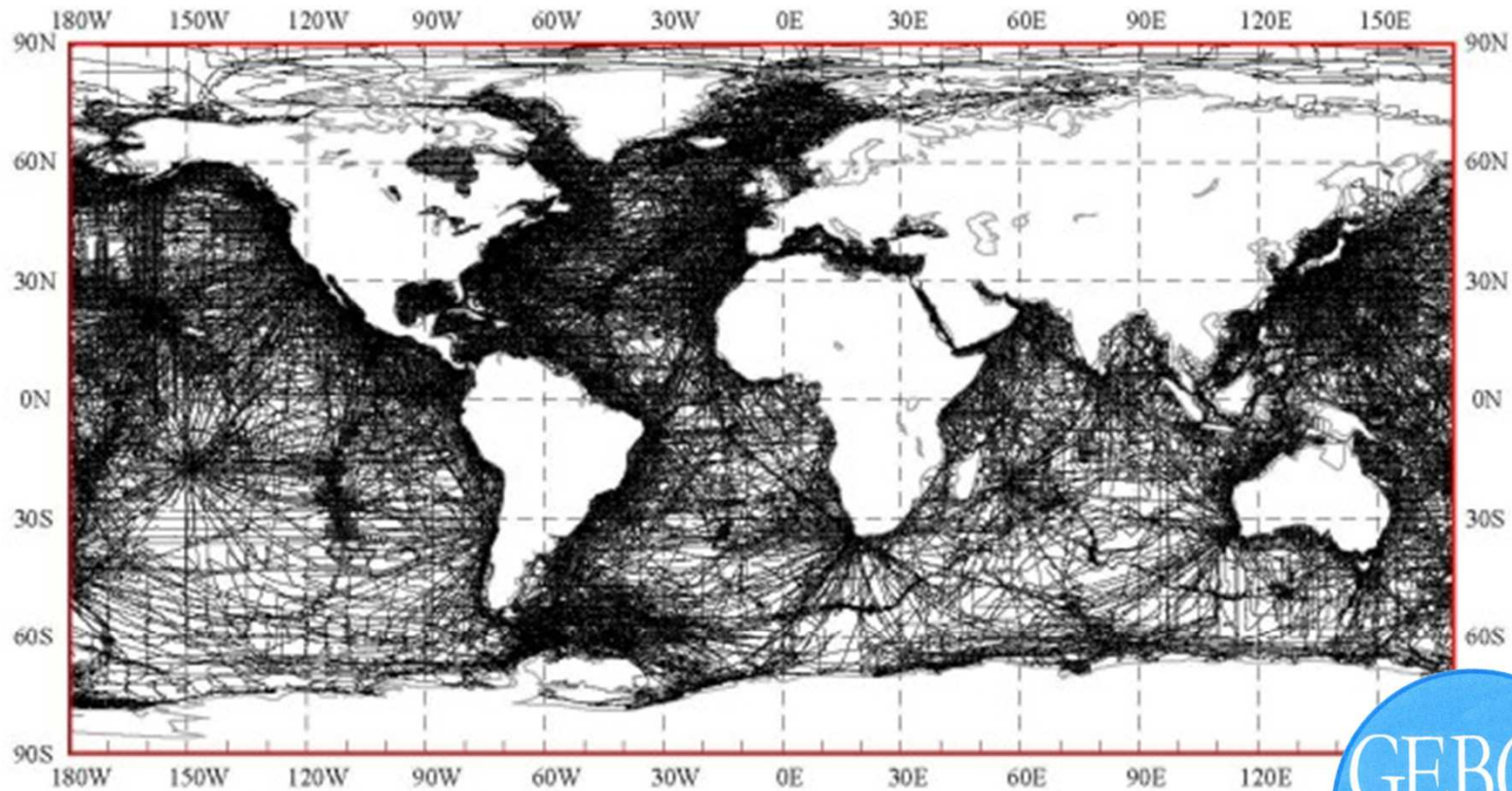
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1. References A and B invited IHO Member States to provide sounding data extracted from Electronic Navigational Charts (ENC), in order to improve the ocean grid compiled and published as part of the Joint IHO-IOC General Bathymetric Chart of the Oceans (GEBCO) Project. Through this initiative, twenty one Member States and one Regional Hydrographic Commission have generously provided depth data that has resulted in significant improvements to the GEBCO Grid.
5. As reported in References A and B, soundings extracted from ENC usage bands 2 (General) and 3 (Coastal) are the most suitable. Only the depth contour (DEPCNT) and sounding (SOUNDG) geo objects are required for improving the GEBCO grid bathymetry. It should also be noted that these objects will not be included directly in any of the GEBCO products. They will only be used as source data to improve the accuracy and quality of the derived GEBCO Grid.
6. All submissions of data should be forwarded to IHB Assistant Director Anthony Pharaoh (adtdt@iho.int) using the S-57 (xxx.000) format or any other common GIS format. Contributors are requested to indicate whether their data is being provided solely for GEBCO purposes, or whether it can also be included in the IHO Data Centre for Digital Bathymetry (DCDB).



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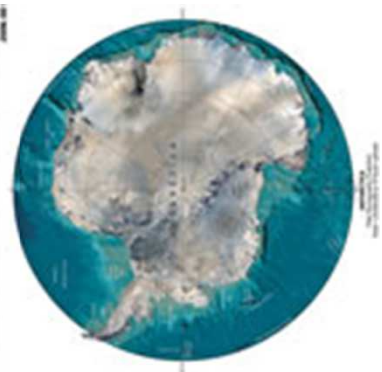




GENERAL BATHYMETRIC CHART OF THE OCEANS (GEBCO)
WORLD OCEAN BATHYMETRY

REVISION
 This chart is a revision of the 1:50,000,000 scale chart published in 1983. It includes all new data and corrections to the 1983 edition. The chart is based on the GEBCO World Bathymetry Database (WBD) and the GEBCO World Topographic Elevation Database (WTE). The chart is a product of the International Geophysical Commission (IGC), the International Hydrographic Organization (IHO), and the International Oceanographic Commission (IOC).

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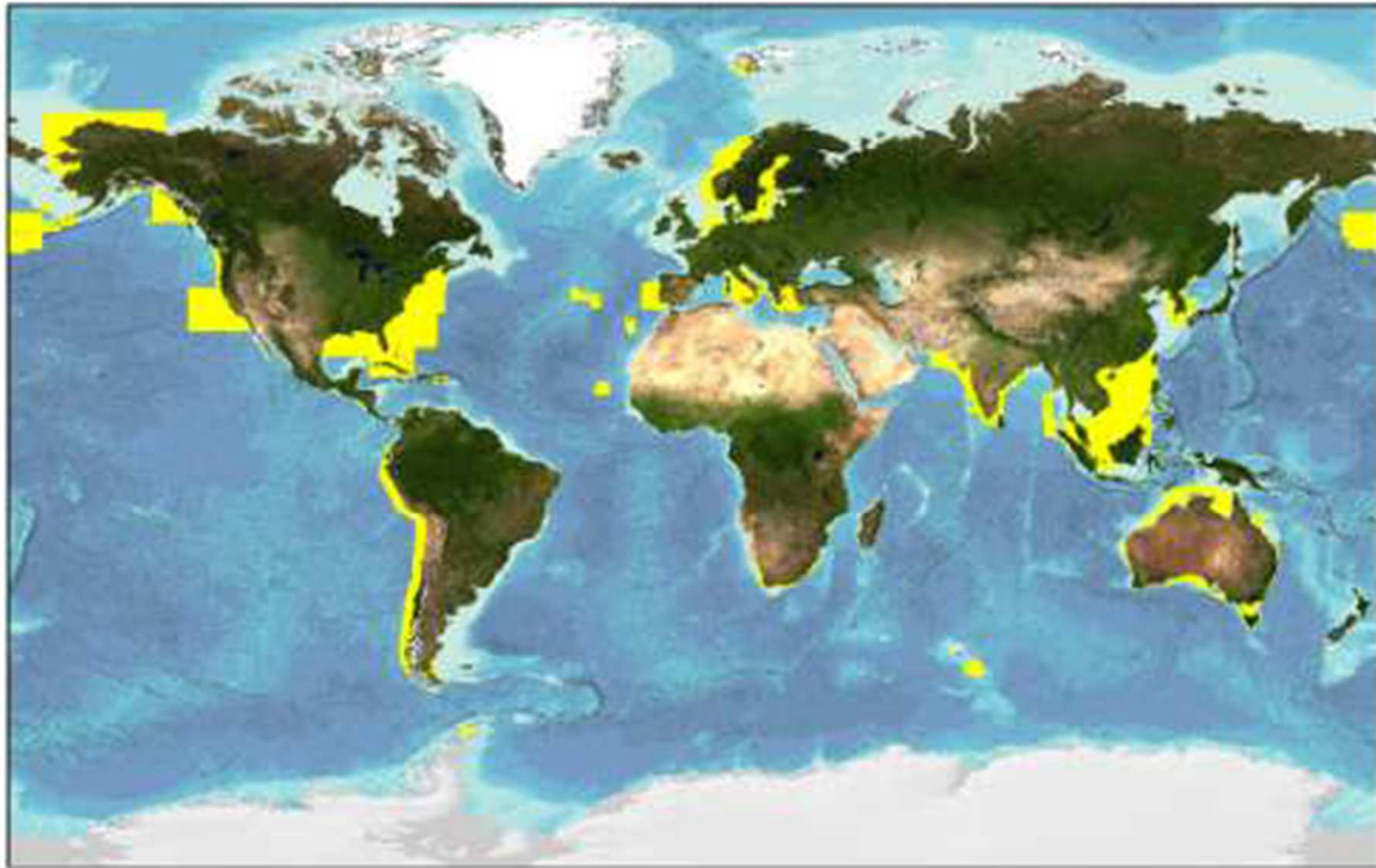
GEBCO World Bathymetry Database (WBD)
 The GEBCO World Bathymetry Database (WBD) is a global database of ocean bathymetry data. It is a product of the International Geophysical Commission (IGC), the International Hydrographic Organization (IHO), and the International Oceanographic Commission (IOC). The WBD is a global database of ocean bathymetry data, including depth contours, seafloor topography, and bathymetric features. The WBD is a product of the International Geophysical Commission (IGC), the International Hydrographic Organization (IHO), and the International Oceanographic Commission (IOC).

GEBCO World Topographic Elevation Database (WTE)
 The GEBCO World Topographic Elevation Database (WTE) is a global database of topographic elevation data. It is a product of the International Geophysical Commission (IGC), the International Hydrographic Organization (IHO), and the International Oceanographic Commission (IOC). The WTE is a global database of topographic elevation data, including land elevation, sea level, and topographic features. The WTE is a product of the International Geophysical Commission (IGC), the International Hydrographic Organization (IHO), and the International Oceanographic Commission (IOC).



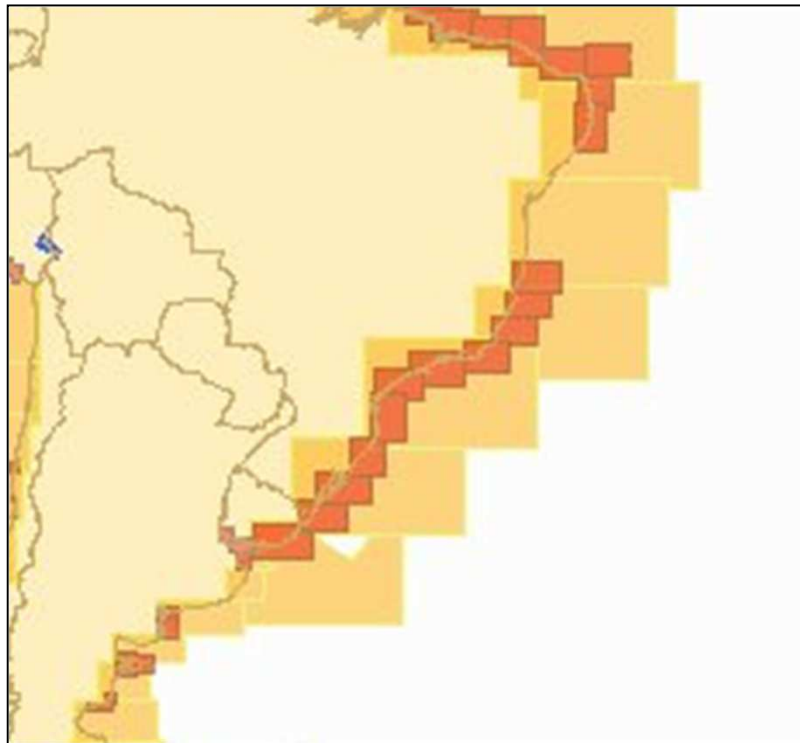


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UB 2/3 in CHAAtSO region





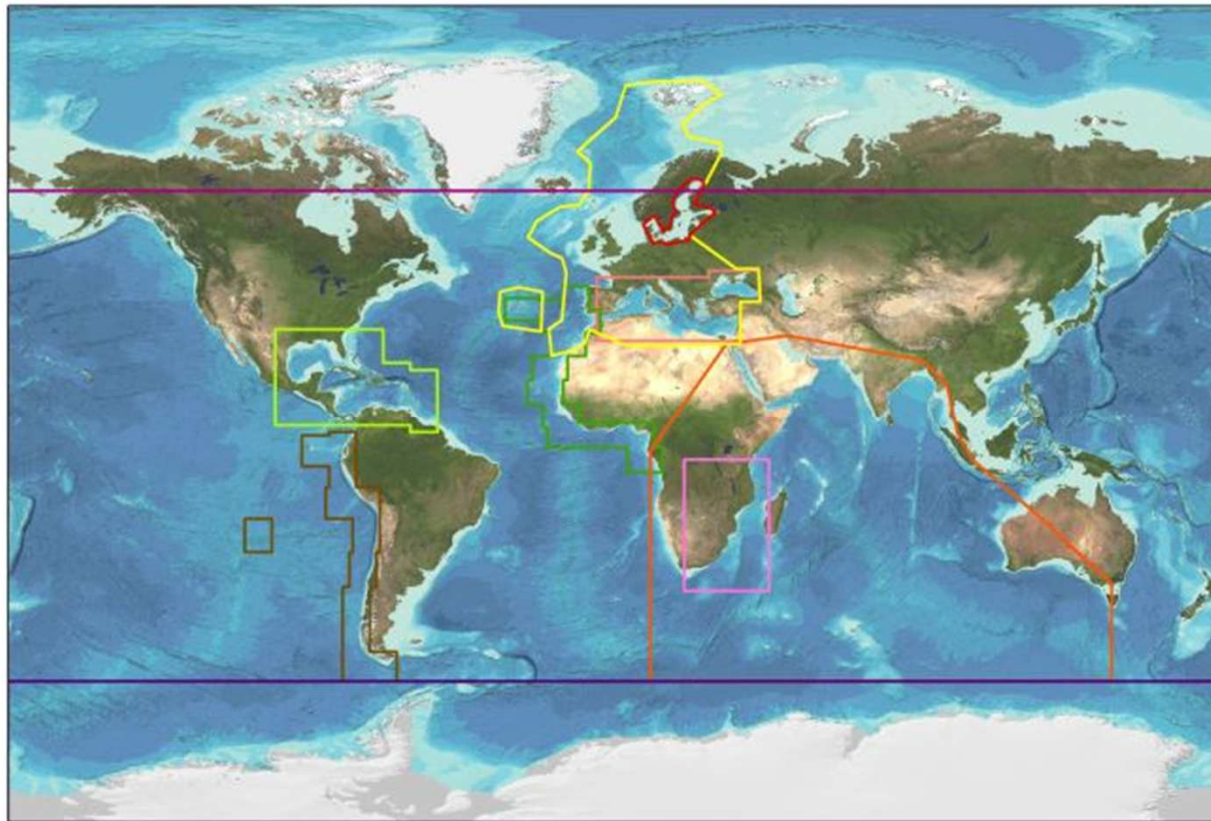
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- The subject was discussed internally by DHN and it was decided that Brazil will provide the data requested for both GEBCO and IHO Data Centre for Digital Bathymetry (DCDB) purposes.
- Brazil encourage other Member States to follow this action and to attend the request presented by GEBCO.

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- Steps for the future → Regional GEBCO Model.





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- Steps for the future → Regional GEBCO Model.

International Bathymetric Chart (IBC) Regional Mapping Projects

GEBCO has long benefitted from contributions from the work of the IBC mapping projects. Find out more about the individual projects from their web sites (where available) hosted at the US National Geophysical Data Center:

- International Bathymetric Chart of the Arctic Ocean ([IBCAO](#))
- International Bathymetric Chart of the Southern Ocean ([IBCSO](#))
- International Bathymetric Chart of the Caribbean Sea & Gulf of Mexico ([IBCCA](#))
- International Bathymetric Chart of the Central Eastern Atlantic ([IBCEA](#))
- International Bathymetric Chart of the Mediterranean ([IBCM](#))
- International Bathymetric Chart of the South Eastern Pacific ([IBCSEP](#))
- International Bathymetric Chart of the Western Indian Ocean ([IBCWIO](#))



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- Steps for the future → Regional GEBCO Model.
 - Grid as stated by the Member States.
 - Not useful for navigation – restrictions may be applied for download and even access.
 - Multiple purposes – scientific, industry, government, planning, etc.
 - Various benefits can be expected.
 - HPD based.
 - DHN is discussing internally the minimum requests/needs so as to develop such structure.

