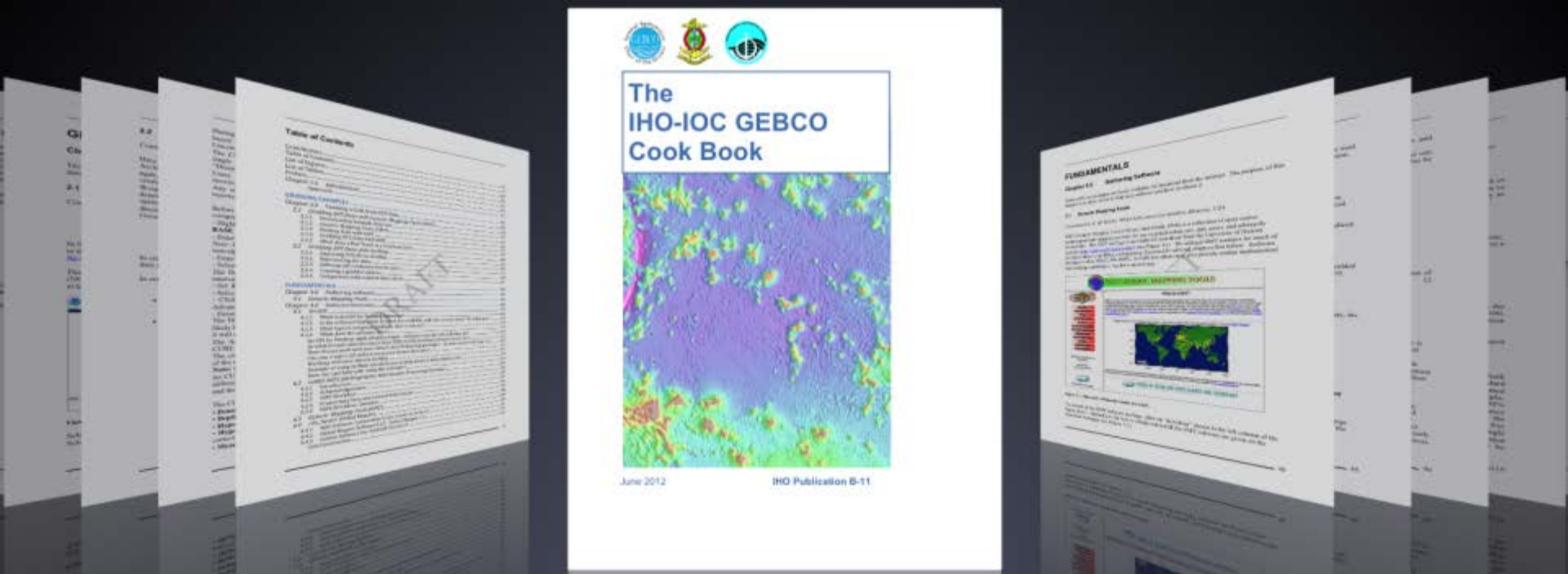# IHO-IOC GEBCO Cook Book: 2012 Progress Report

Draft copy available at: http://ibis.grdl.noaa.gov/SAT/GEBCO_Cookbook/index.php

Cookbook Working Group

At the GEBCO 25th meeting of the Technical Sub-Committee on Ocean Mapping (TSCOM) in September, 2009, a "Cookbook Working Group" was formed to write a "cookbook" to nurture and guide nascent regional mapping projects.

● Create step-by-step manual that enables users to prepare and grid data for inclusion in GEBCO bathymetry products

● Contributions from scientific experts from international research organizations, universities, governments, and companies

● The guide is a "living document-" as new contributions come in, the guide is updated electronically

● The guide will be made freely available on the GEBCO website.

Members

Nastia Abramova	Marie-Francoise Lalancette	Jesse Verner
Chris Amante	Matt Love	John von Rosenberg
Robert Anderson	Karen Marks	Pauline Weatherall
James Braud	Mark Masry	Rochelle Wigley
Juan Brown	Susan McLean	Kunio Yashima
David Caress	Dave Monahan	Jin Ji Ye
Dale Chayes	Hugo Montoro	
Dagoberto David Viteri	Eric Moussat	
Barry Eakins	George Newton	
Paul Elmore	Norbert Ott	
Robin Falconer	Tony Pharaoh	
Christian Ferreira	William Rankin	
Chris Fox	Hans-Werner Schenke	
Bruce Goleby	Thierry Schmitt	
John Hall	Steve Shipman	
Rob Hare	Walter Smith	**NOTE: You are welcome to join! Please contact Karen.Marks@noaa.gov**
Benjamin Hell	Hyo Hyun Sung	
Colin Jacobs	Shin Tani	
Martin Jakobsson	Lisa Taylor	
Izabel Jeck	Paola Travaglini	

Contributing Institutions

Directorate of Hydrography and Navigation (DHN)
Center of Hydrography and Navigation (CHN)
Brazilian Navy, Brazil
http://www.mar.mil.br/dhn/

British Oceanographic Data Centre (BODC), UK
http://www.bodc.ac.uk

Canadian Hydrographic Service, Canada
http://www.charts.gc.ca

CARIS Geospatial Software Solutions, Canada
http://www.caris.com

Center for Coastal & Ocean Mapping
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Centro de Investigáciones Oceanograficas e Hidrográficas (CIOH), Columbia
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Cooperative Institute for Research in Environmental Sciences (CIRES)
University of Colorado at Boulder
http://cires.colorado.edu

International Hydrographic Bureau, Monaco
http://www.iho.int

Geological Survey of Israel, Israel
http://www.gsi.gov.il

National Oceanography Centre, UK
http://noc.ac.uk/

Naval Research Laboratory, USA
http://www.nrl.navy.mil

NOAA Laboratory for Satellite Altimetry, USA
http://ibis.grdl.noaa.gov

NOAA National Geophysical Data Center, USA
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Progress to date

● IHO approved publication of the Cook Book as IHO Publication B-11 (April, 2012)

● Improvements were made in response to IHO member comments

● Awaiting approval by IOC for publication as IOC Manual and Guides, 63

● EOS "News Brief" drafted

● Many significant new contributions have been incorporated, now 221 pages long

● The Cook Book vision and structure has matured- it is now composed of three main sections- Gridding Examples, Fundamentals, and Advanced Topics.

● Beginning users can straightaway produce grids from XYZ data by following simple steps in Gridding Examples section

Overview: Table of Contents

| Contributed | In progress | Input needed |

Work to be done

● Obtain IOC approval for publication as IOC Manual and Guides, 63

● Publish EOS "News Brief" announcing availability of Cook Book

● Obtain more contributions

● Complete chapters

● Highlight availability on GEBCO website

Managing the Cookbook

● Master document is MS Word file

● Individual chapter contributions in separate directory

● Embedded links in master document insert chapters

● Table of Contents automatically lists items that have heading styles applied (both in master document and individual chapters)

● List of Figures automatically lists captions that have caption styles applied

● PDFMaker or CreatePDF converts MS Word master document into PDF that retains bookmark navigation

● Advantages:
   - Bookmark navigation enables user to jump to selection
   - New and edited chapters are inserted into master document when Table of Contents is updated