



Report IHO-IOC GEBCO Cook Book

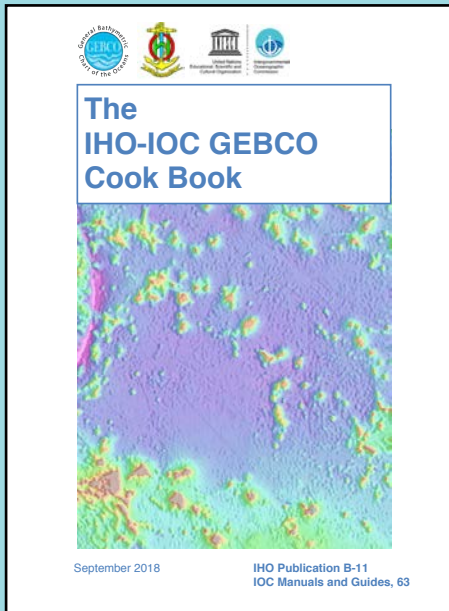
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2018 Joint TSCOM/SCRUM Meeting

Canberra, Australia



About the Cook Book



- Step-by-step manual enables users to prepare and grid data for inclusion in GEBCO bathymetry products
- Contributors are scientific experts from international research organizations, universities, governments, and companies
- It is a “living document-” as new contributions come in, it is updated electronically
- Published as:
IHO Publication B-11 (April, 2012)
IOC Manuals and Guides, 63 (Oct. 2012)
- **Updated version published September 2018**

Freely available via the GEBCO website (www.gebco.net)

Who uses the Cook Book?

- Used as an educational resource, including:
 - UNH CCOM/JHC Ocean Mapping classes
 - Texas A&M University
 - Workshops
 - Used internationally
- Published in journal articles:
 - EOS “News Brief” announcing Cook Book was published in EOS Trans AGU, 94(9), 26 Feb. 2013, pg. 86
 - Article in Hydro International (April, 2014) highlighting Cook Book



What's in the Cook Book?

Three main sections, each with chapters on various topics:

Gridding Examples

Ch. 2: Creating a Grid
from XYZ Data

Fundamentals

Ch. 3: Gathering
Software

Ch. 4: Software
Overview

Ch. 5: Gathering Data

Ch. 6: Data Cleaning

Ch. 7: Metadata
Documentation

Ch. 8: Gridding Data

Ch. 9: Data Analysis
Techniques

Advanced Topics

Ch. 10: Uncertainty

Ch. 11: LANDSAT 8 Satellite-Derived
Bathymetry

Ch. 12: Digital Terrain Map Editing
(DTMEditing V1.6)

Ch. 13: Uses of Caris

Ch. 14: Nautical Chart Adequacy
Procedure

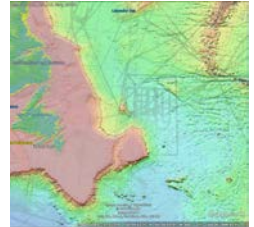
Ch. 15: Map Digitizer Program Version
2.1.0

Ch. 16: Finding Gaps to Map

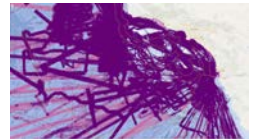
New since 2017 GEBCO Meeting

- **Chapter 16.0 Finding Gaps to Map**

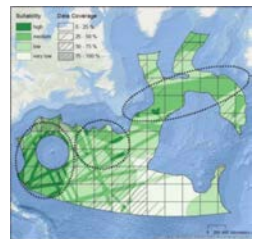
Section 16.1 Google Earth Pro and SRTM30_PLUS Overlays



Section 16.2 Assessing Gaps via Bathymetric Sounding Density



Section 16.3 A GIS Approach to Prioritizing the Gaps to Map



Seeking chapters applicable to Seabed 2030

New content is welcomed!

END OF PRESENTATION