

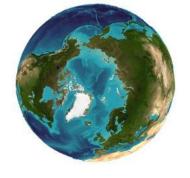
International Bathymetric Chart of the Arctic Ocean (IBCAO)

Current grid: Version 3.0, released Spring 2012

Current map: Based on version 3.0, completed 2015

IBCAO Compilation Team





- Higher resolution: 500x500m, where possible
- Better and more accessible source data information
- First snapshots were presented during the American Geophysical Union (AGU) Fall Meeting in San Francisco, December 2011
- Journal article to accompany release published GRL
- Web page updated
- New printed map based on IBCAO 3.0: Finished 2016

The International Bathymetric Chart of the Arctic Ocean (IBCAO) Version 3.0

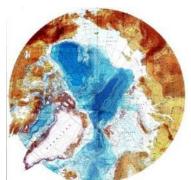
Martin Jakobsson, ¹ Larry Mayer, ² Bernard Coakley, ³ Julian A. Dowdeswell, ⁴ Steve Forbes, ⁵ Boris Fridman, ⁶ Hanne Hodnesdal, ⁷ Riko Noormets, ⁸ Richard Pedersen, ⁹ Michele Rebesco, ¹⁰ Hans Werner Schenke, ¹¹ Yulia Zarayskaya, ¹² Daniela Accettella, ¹⁰ Andrew Armstrong, ² Robert M. Anderson, ¹³ Paul Bienhoff, ¹⁴ Angelo Camerlenghi, ¹⁵ Ian Church, ¹⁶ Margo Edwards, ¹⁷ James V. Gardner, ² John K. Hall, ¹⁸ Benjamin Hell, ¹ Ole Hestvik, ¹⁹ Yngve Kristoffersen, ²⁰ Christian Marcussen, ²¹ Rezwan Mohammad, ¹ David Mosher, ²² Son V. Nghiem, ²³ Maria Teresa Pedrosa, ¹⁵ Paola G. Travaglini, ⁵ and Pauline Weatherall²⁴

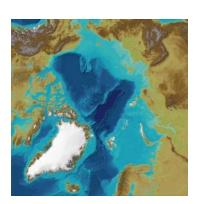
Received 2 May 2012; revised 4 June 2012; accepted 4 June 2012; published 29 June 2012.





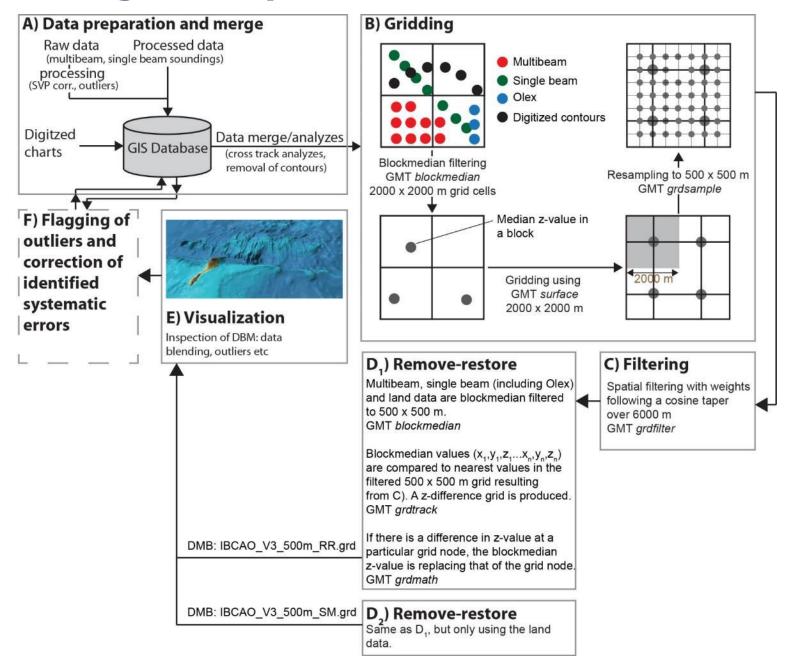






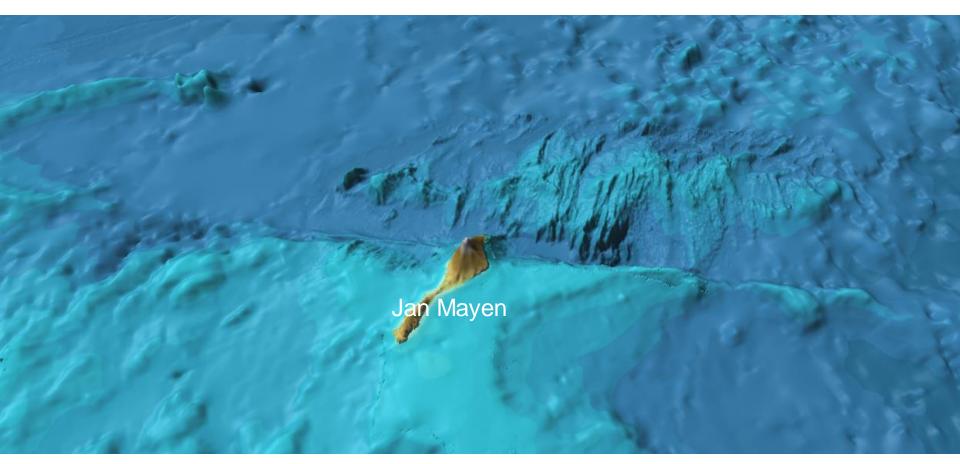
1500 1800 1900 2000

Gridding concept

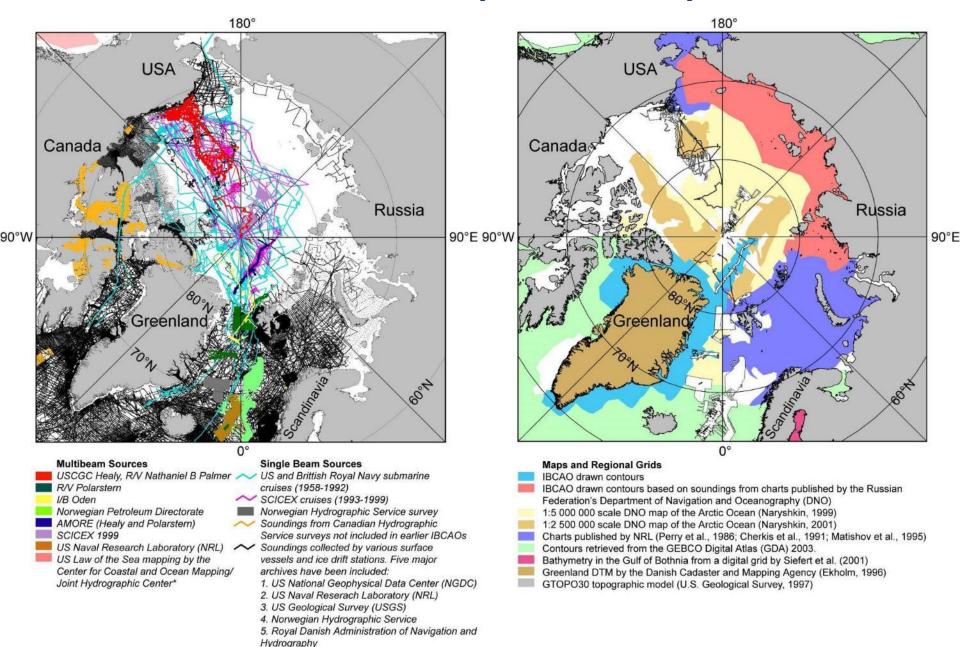


High resolution is well blended with low resolution source data

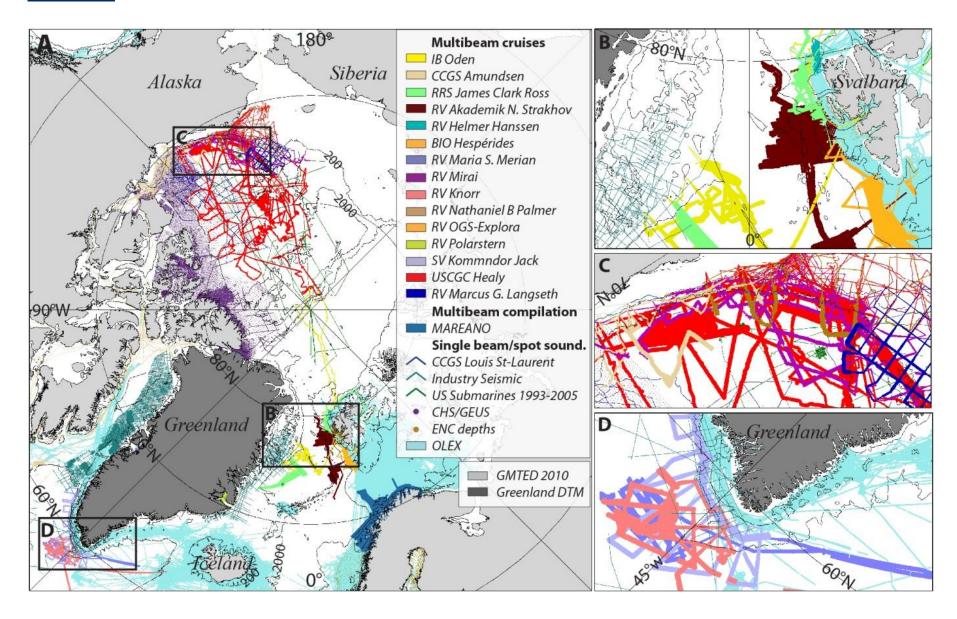


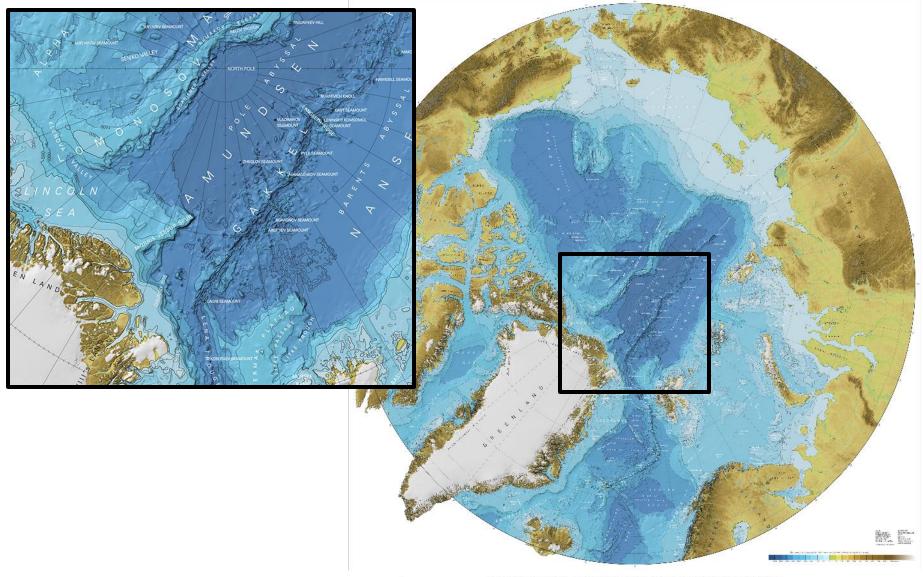


IBCAO Version 2.0: Source Data (Released 2008)



New source data added to Version 3.0





THE INTERNATIONAL BATHYMETRIC CHART OF THE ARCTIC OCEAN (IBCAO)

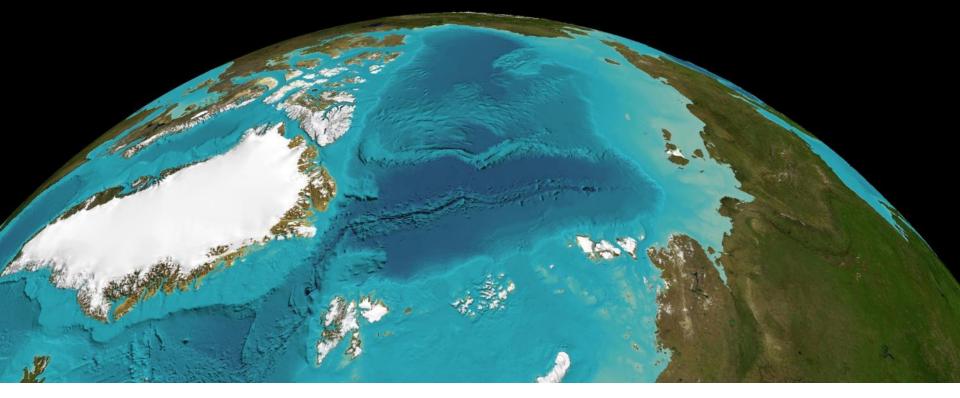


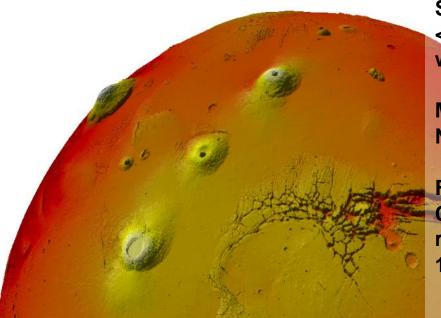
- 18. If the Control of the Control









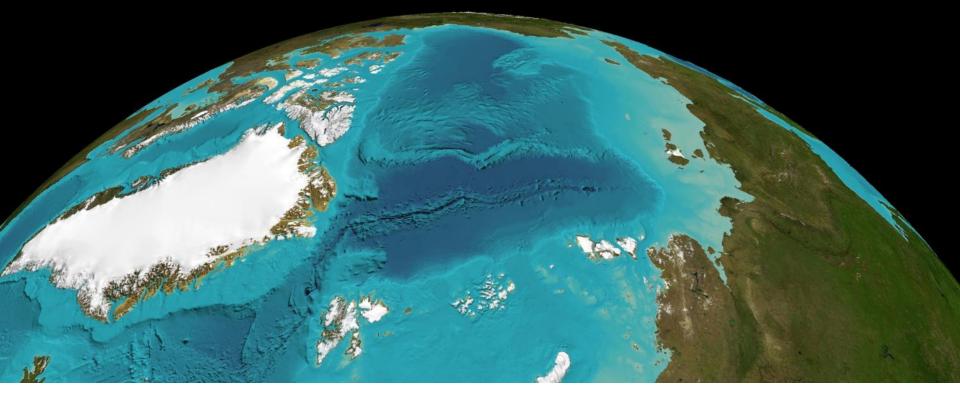


Status 2013:

< 11 % of the central Arctic Ocean is mapped with multibeam

Mars was mapped already in 1998 and 1999 by NASA's Mars Orbiter Laser Altimeter (MOLA).

From Mars Express High-Resolution Stereo Camera (HRSC) images, DTMs of 50x50 m resolution are produced and ortho-images with 12.5 m resolution (Gwinner, et al,., EPSL, 2010)





Arctic – Antarctic Mapping Meeting 2016

Monaco June 11-12