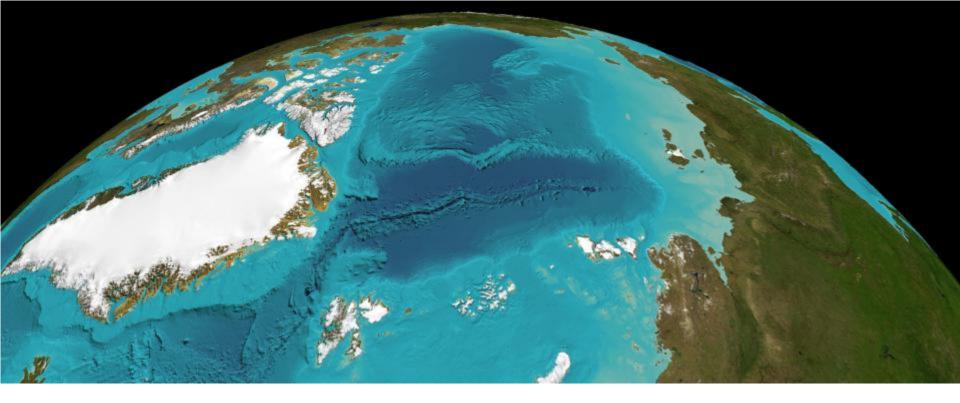


International Bathymetric Chart of the Arctic Ocean (IBCAO)

Version 3.0: Released Spring 2012

IBCAO Compilation Team

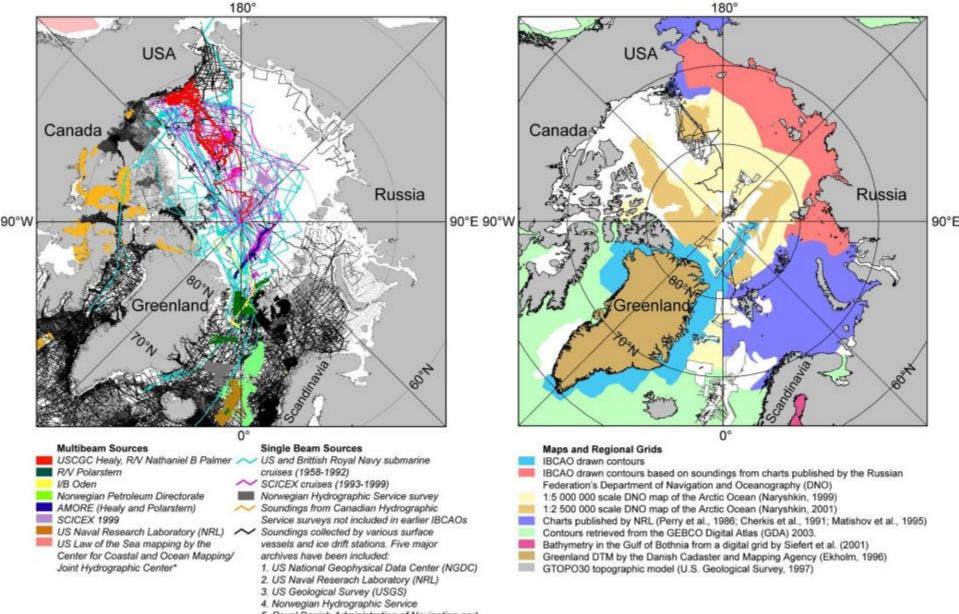




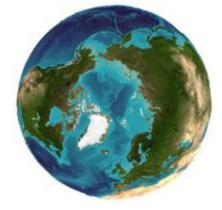
Arctic-Antarctic Seafloor Mapping Meeting 2011

Stockholm May 3-5

IBCAO Version 2.0: Source Data



5. Royal Danish Administration of Navigation and Hydrography



IBCAO Version 3.0

IBCAO Version 3.0



- 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
- Journal article to accompany release published GRL
- Web page updated
- New printed map based on IBCAO 3.0: Work in progress

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

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1800

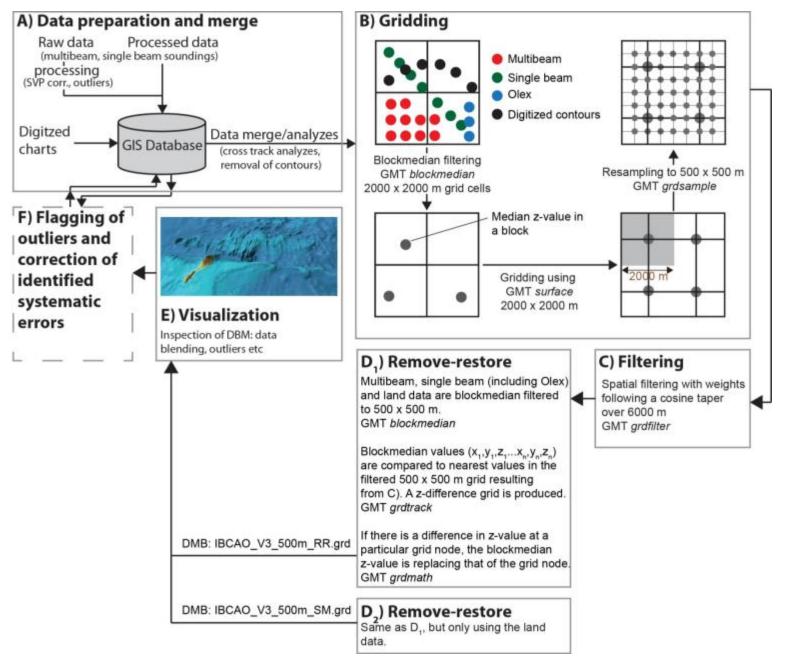
1500



1900

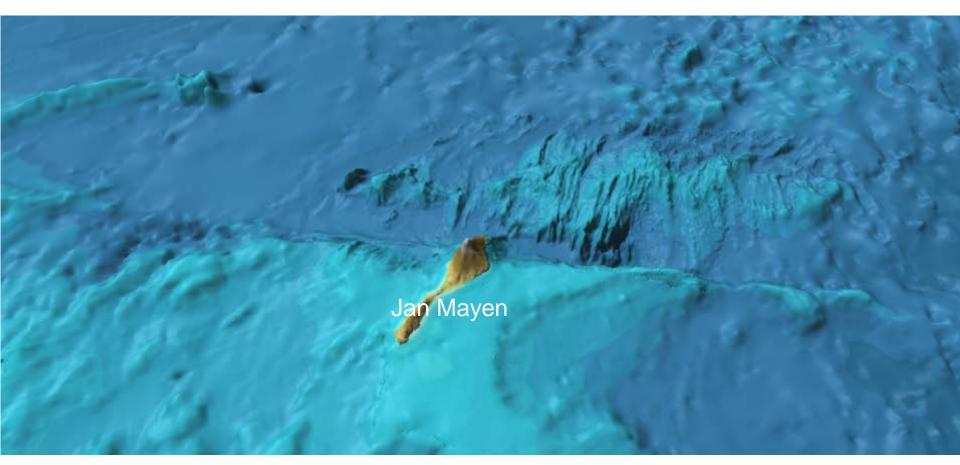
2000

Gridding concept

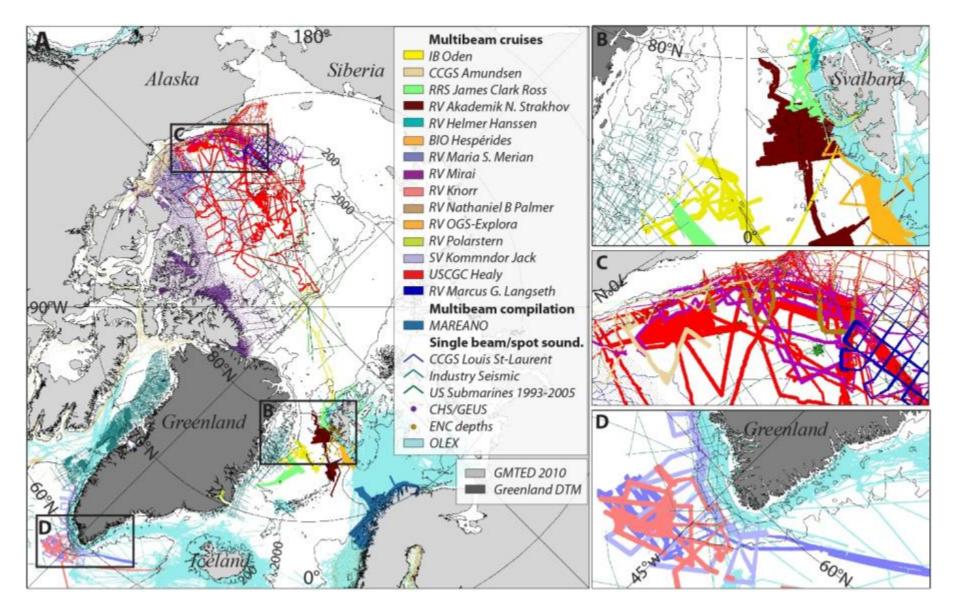


High resolution is well blended with low resolution source data

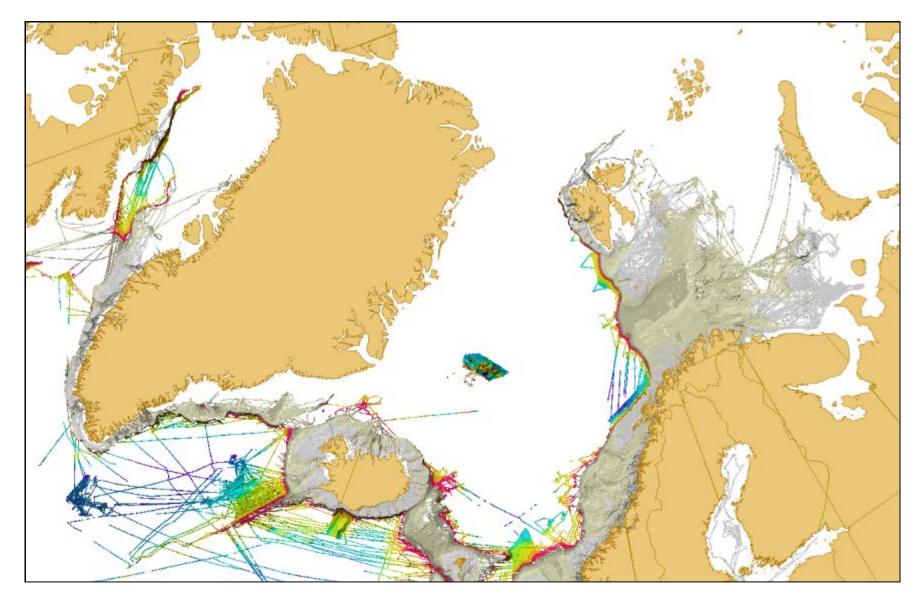




New source data

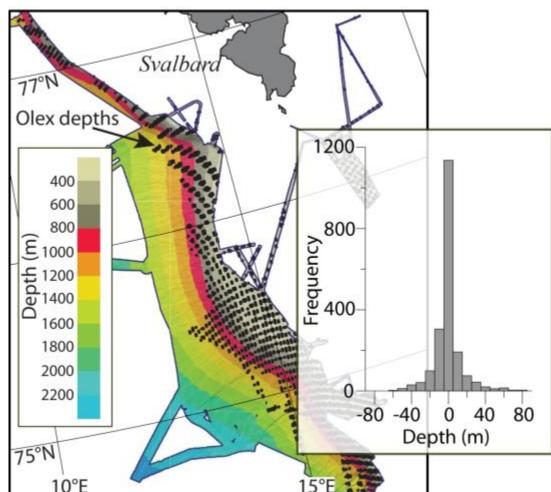


The OLEX contribution



OLEX depths, corrected or? How does OLEX match with multibeam data?





 $(\frac{1}{n}\sum_{i=1}^{n}(D_{Olex} - D_{multibeam}),$ depths with negative numbers

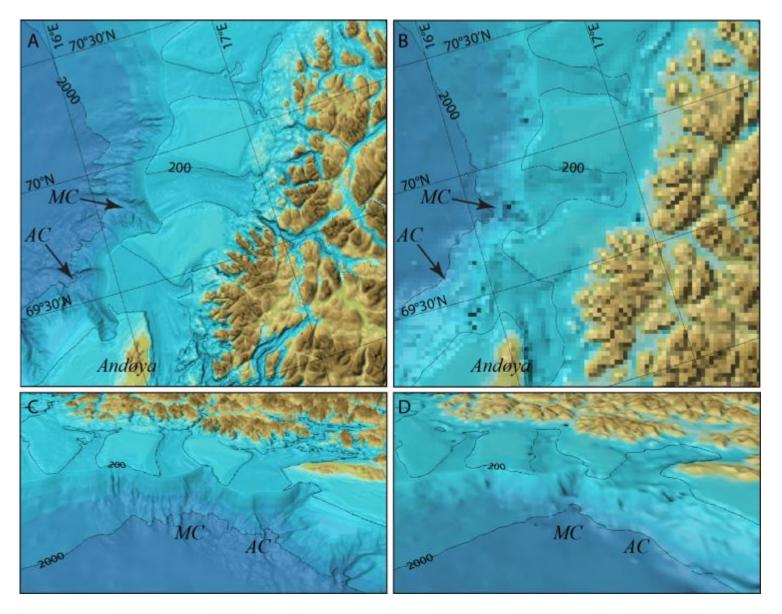
The mean difference is -4.9 m, suggesting a slight bias towards deeper Olex depths.

However, considering that the mean depth of the compared values is 640 m, the mean difference is less than 1% of the water depth

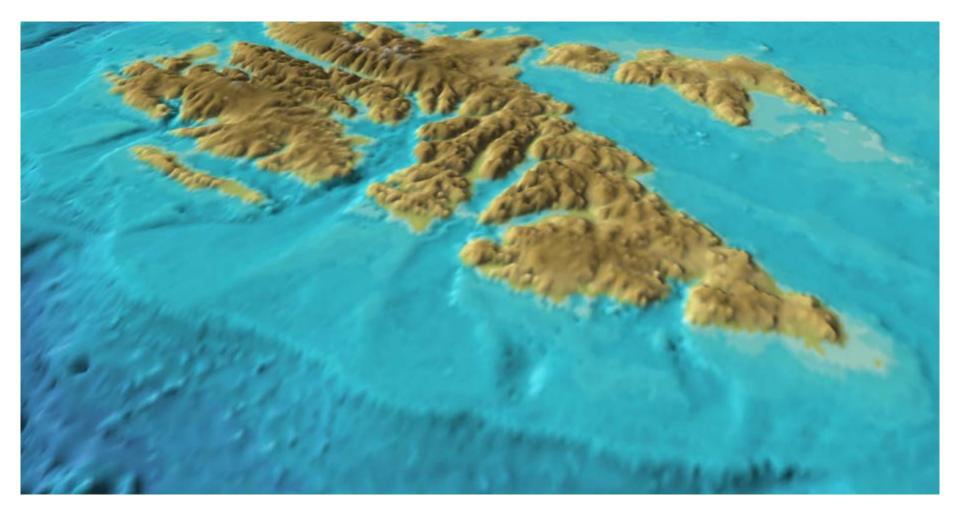
Results

Version 3.0

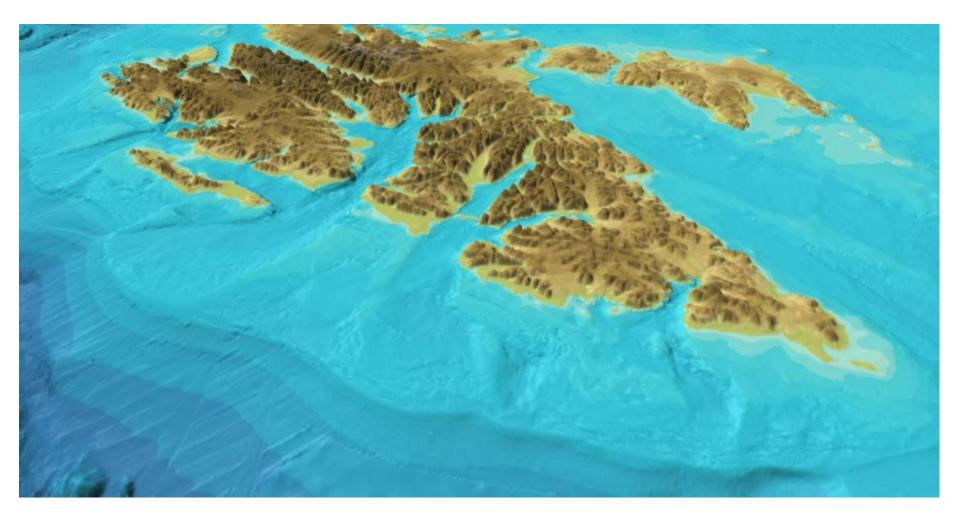
Version 2.0



IBCAO Version 2.0



IBCAO Version 3.0

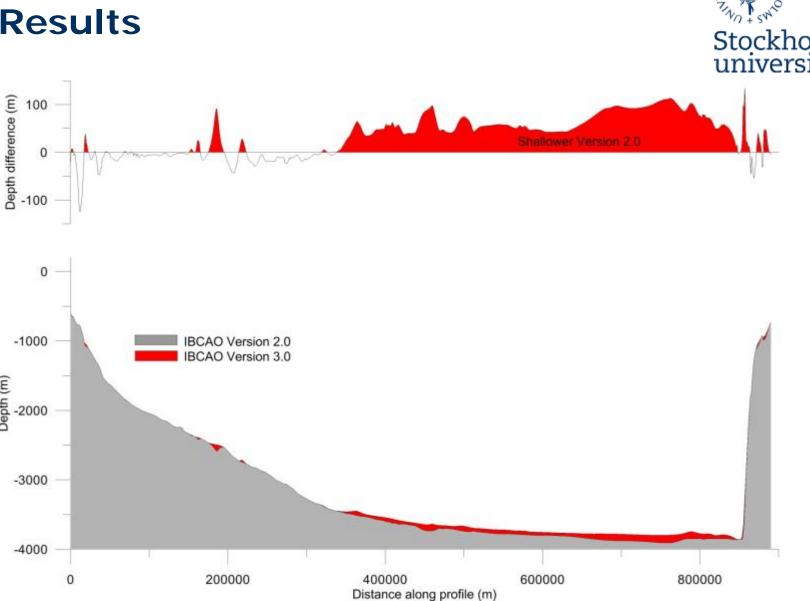


IBCAO Version 3.0 (Smooth)

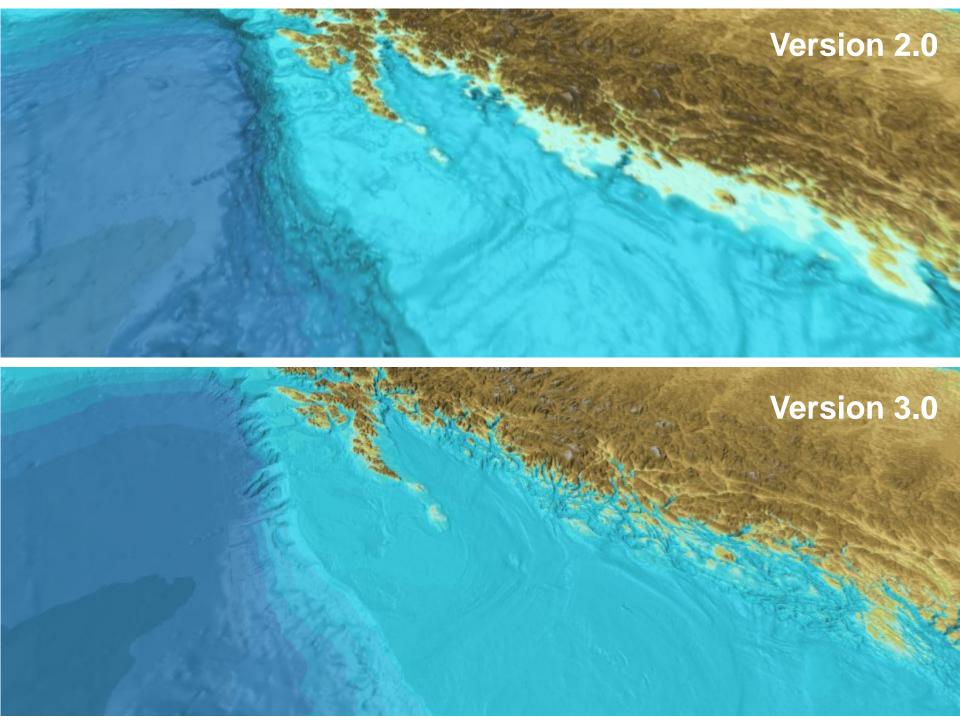


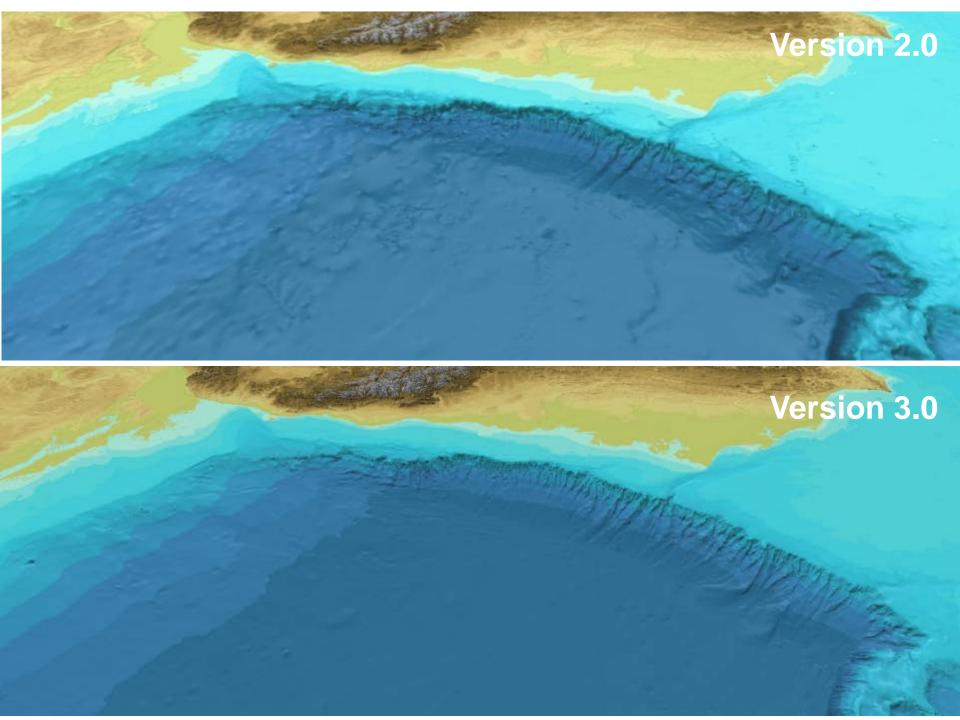
Results

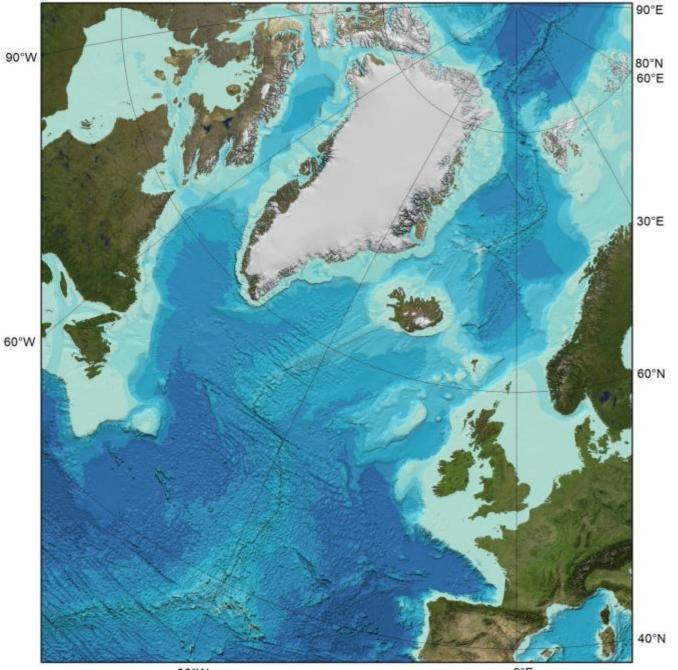
Depth (m)



SAINERS! SVA HO Stockholms universitet







30°W

