GEBCO/Seabed 2030 Progress as of Feb 1, 2024

GEBCO/Seabed 2030 Report to the 47th Meeting of US Canada Hydrographic Commission

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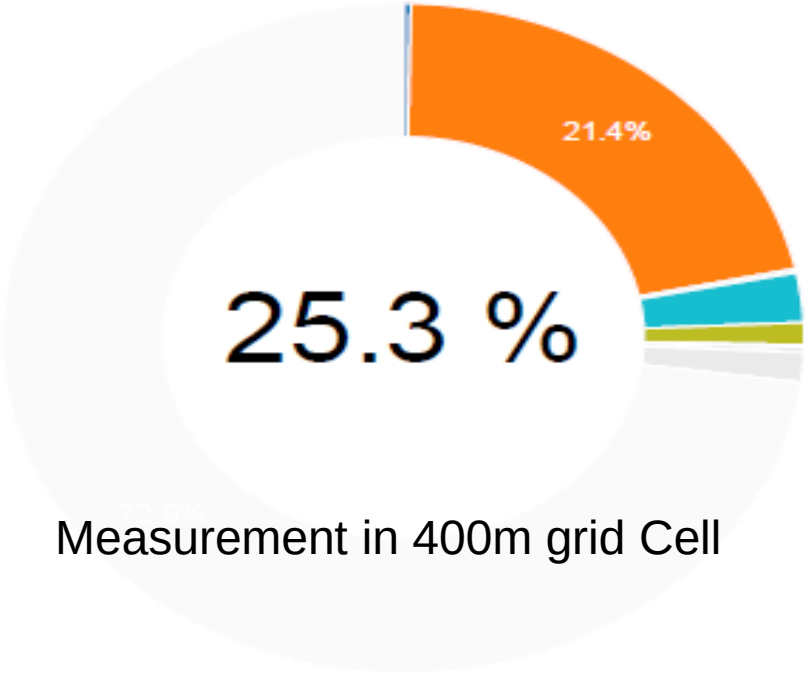
Seabed 2030 Coverage:

% Global Ocean Mapped by Technique

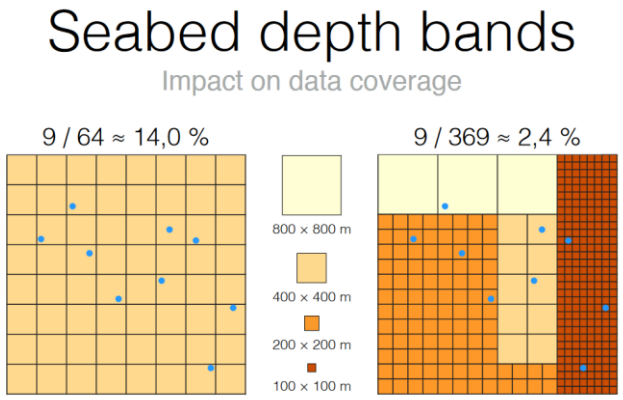


https://seabed.geo.su.se/contribute-stats/stat

Seabed 2030:

Percentage mapped counts observed data presence in the 400m grid cells.

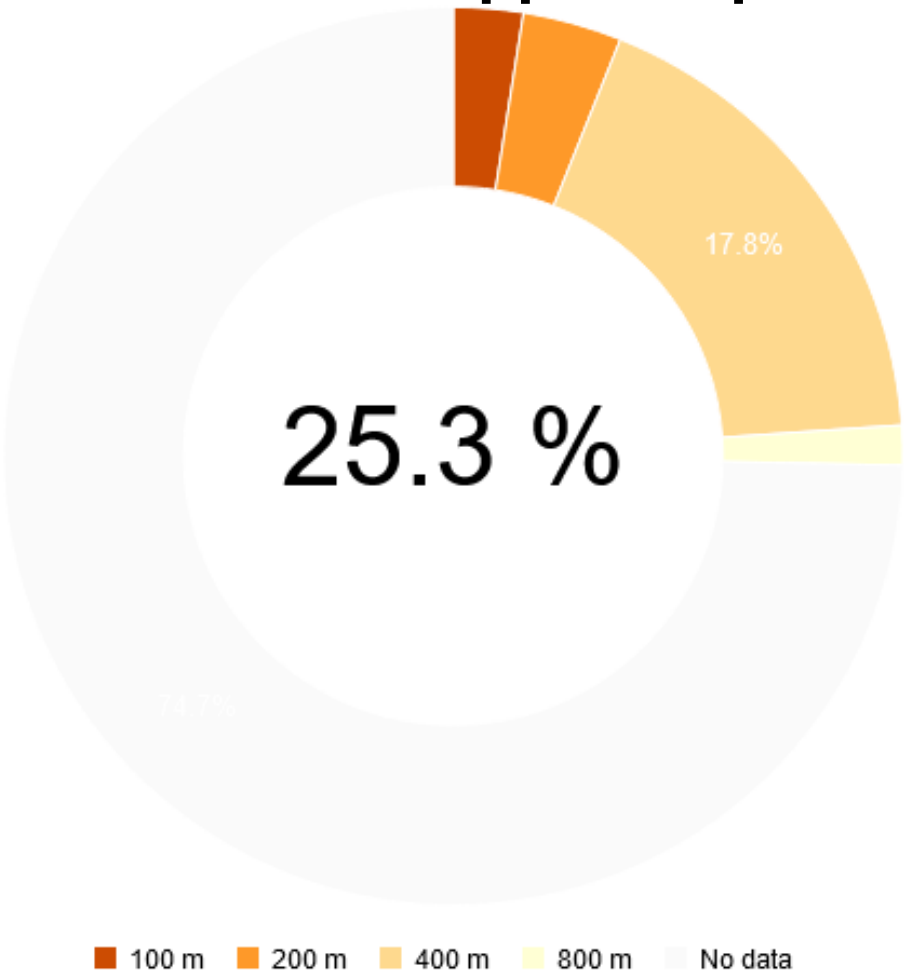
Future work is to develop 100m, 200m, 400m, and 800m grids where data is available to support these resolutions in their respective depth bands. Plans for 2024 after release of 400 grid are for internal testing of higher resolution products.



Björn, Eriksson, Carlos F. Castro[1], Caroline Bringensparr[1], Martin Jakobsson[1], Rezwann Mohammad[1] https://seabed.geo.su.se/misc/Seabed 2030 statistics - 2020200505.pdf

Seabed 2030 Coverage:

Global Ocean % Mapped Depth Bands



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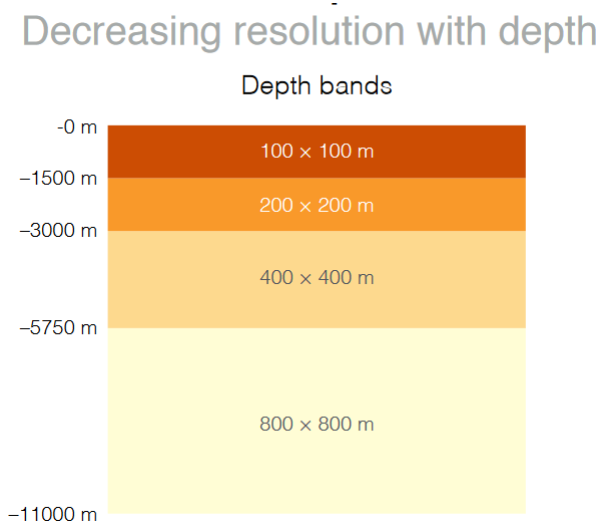
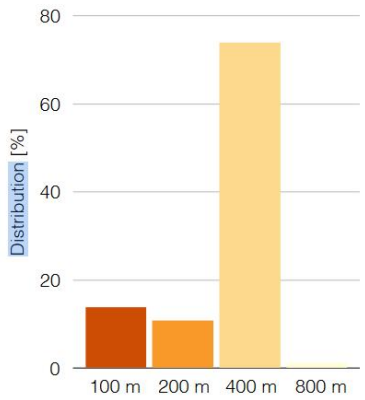
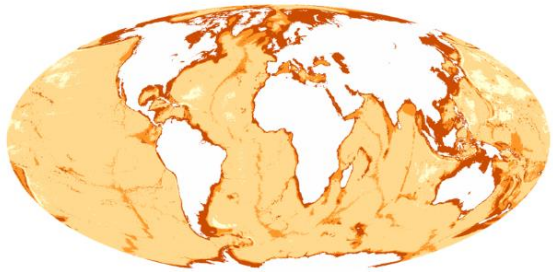
Seabed depth band ocean coverage chart

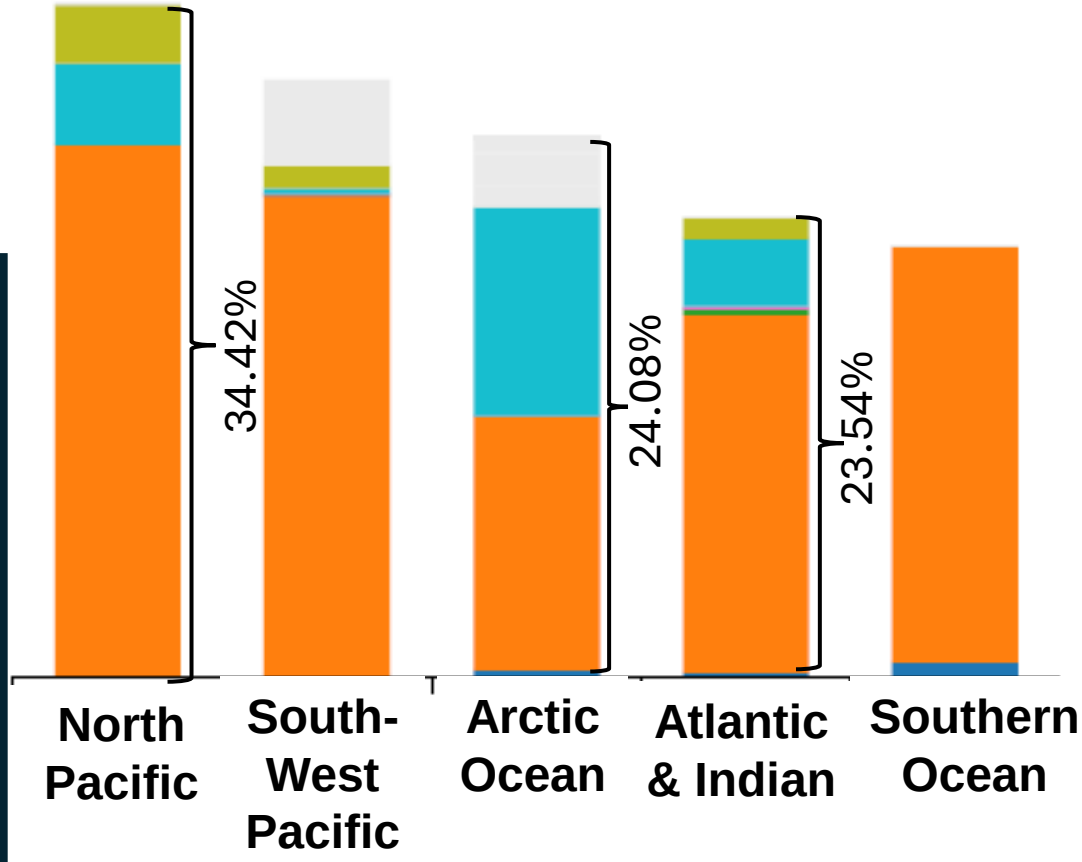






Calculation Methods: Björn, Eriksson, Carlos F. Castro[1], Caroline Bringensparr[1], Martin Jakobsson[1], Rezwann Mohammad[1] https://seabed.geo.su.se/misc/Seabed 2030 statistics - 2020200505.pdf

% of Region Mapped	North Pacific	Arctic	Atlantic & Indian
Total	34.42	24.08	23.54
Singlebeam	0.12	0.42	0.27
Multibeam	27.12	12.95	18.30
Seismic	0.00	0.00	0.27
Isolated sounding	0.00	0.00	0.00
ENC sounding	0.00	0.00	0.00
Lidar	0.00	0.00	0.01
Depth measured by optical light sensor	0.01	0.01	0.14
Combination of direct measurement methods	4.17	10.69	3.47
Bathymetric sounding	3.00	0.00	1.08



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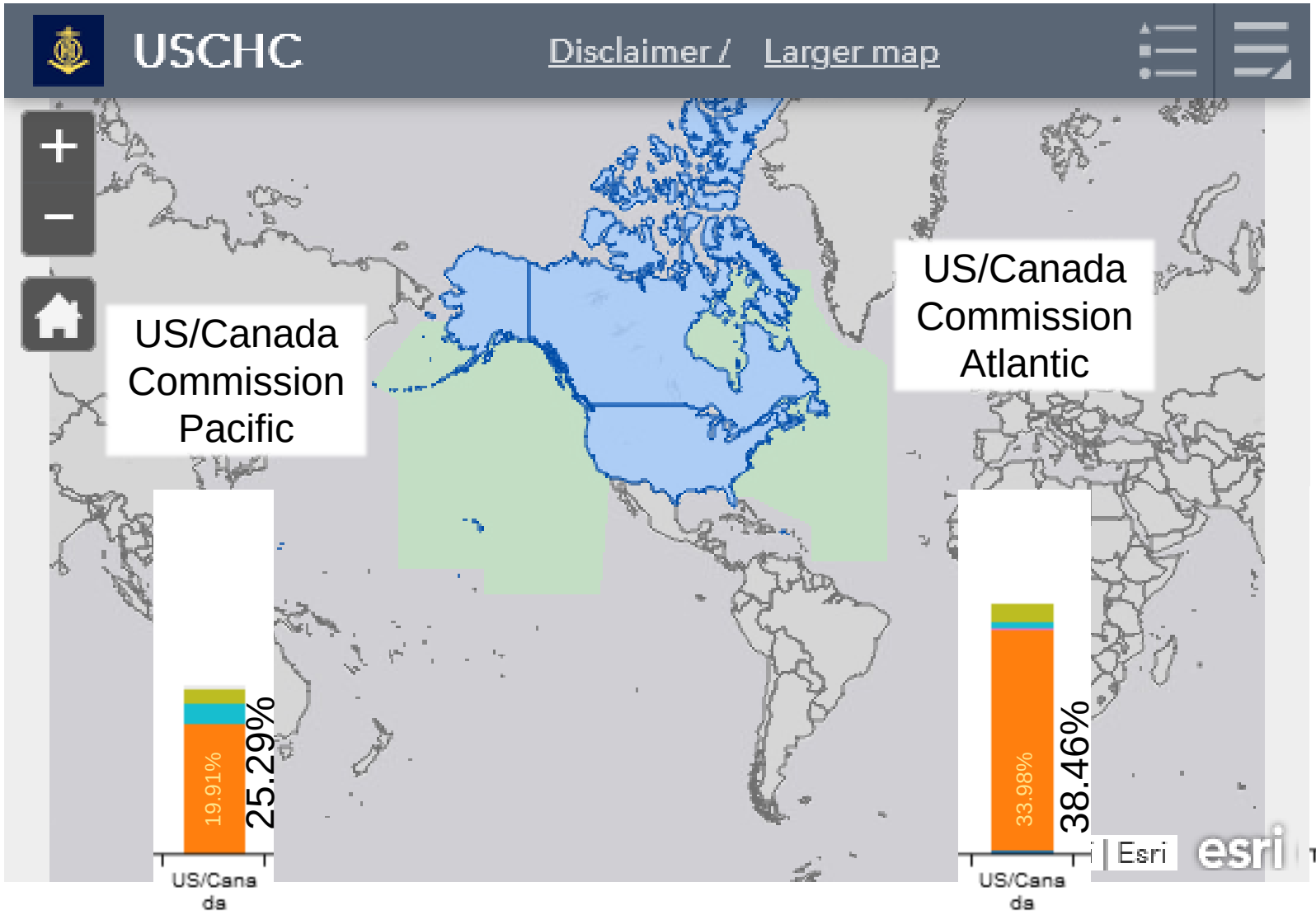

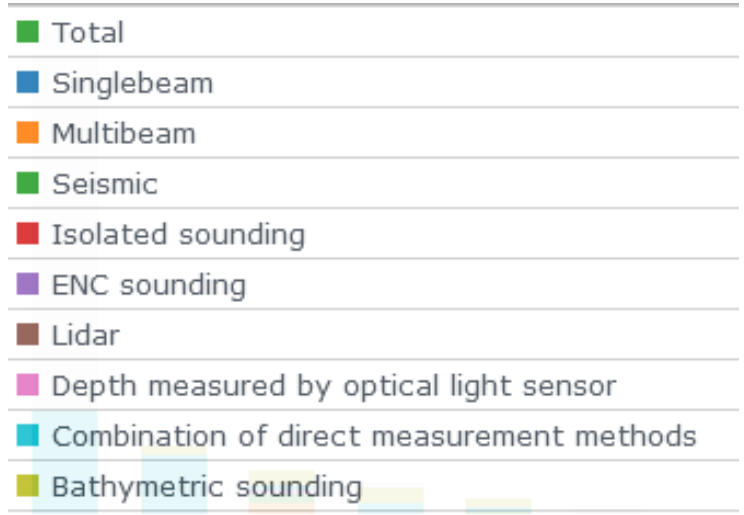

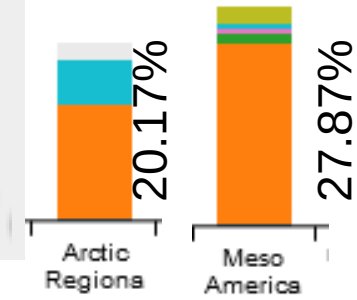

Stats figures: https://seabed.geo.su.se/contribute-stats/stat

Map: https://iho.int/en/us/canada-hc-0

Percent of Region Mapped	Hydrographic Commissions		
	US/Canada Pacific	US/Canada Atlantic	Arctic
Total (%)	38.46	20.17	25.29
Single Beam	0.06	0.48	0.39
Multibeam	19.91	0	14.4
Depth measured by optical light sensor	0	0.09	0.01
Combination of Direct Measurement Methods	3.2	1.07	5.37
Bathymetric Sounding	2.12	2.83	0