

Forum *for*  
Future Ocean  
Floor Mapping



Day 2 and 3

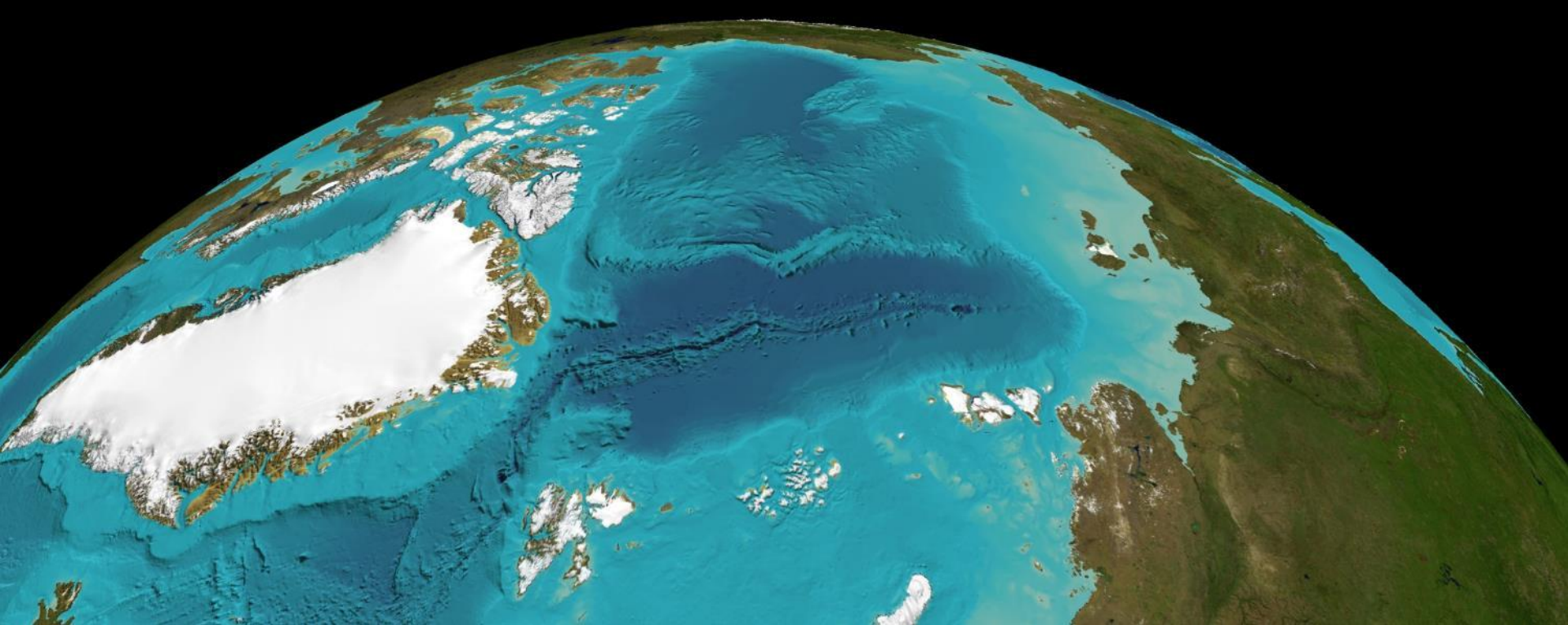
*Towards a Road Map for Future Ocean Floor Mapping*

***Panel 1: Use of bathymetry: The deep ocean perspective***

***Panel 2: Use of bathymetry: The coastal perspective***

***Panel 3: New tools and techniques in ocean mapping***

***Panel 4: Mapping the world ocean floor***

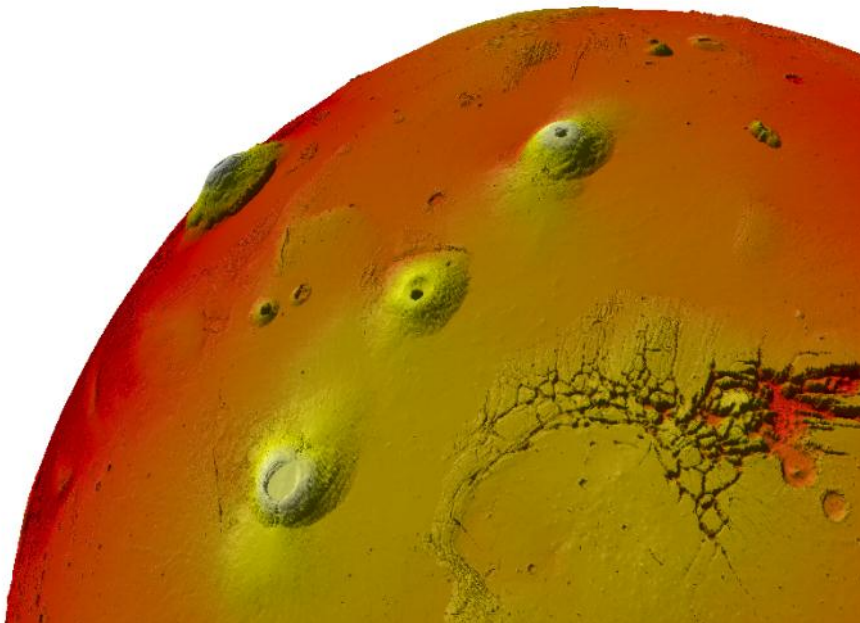


**Status 2012:**

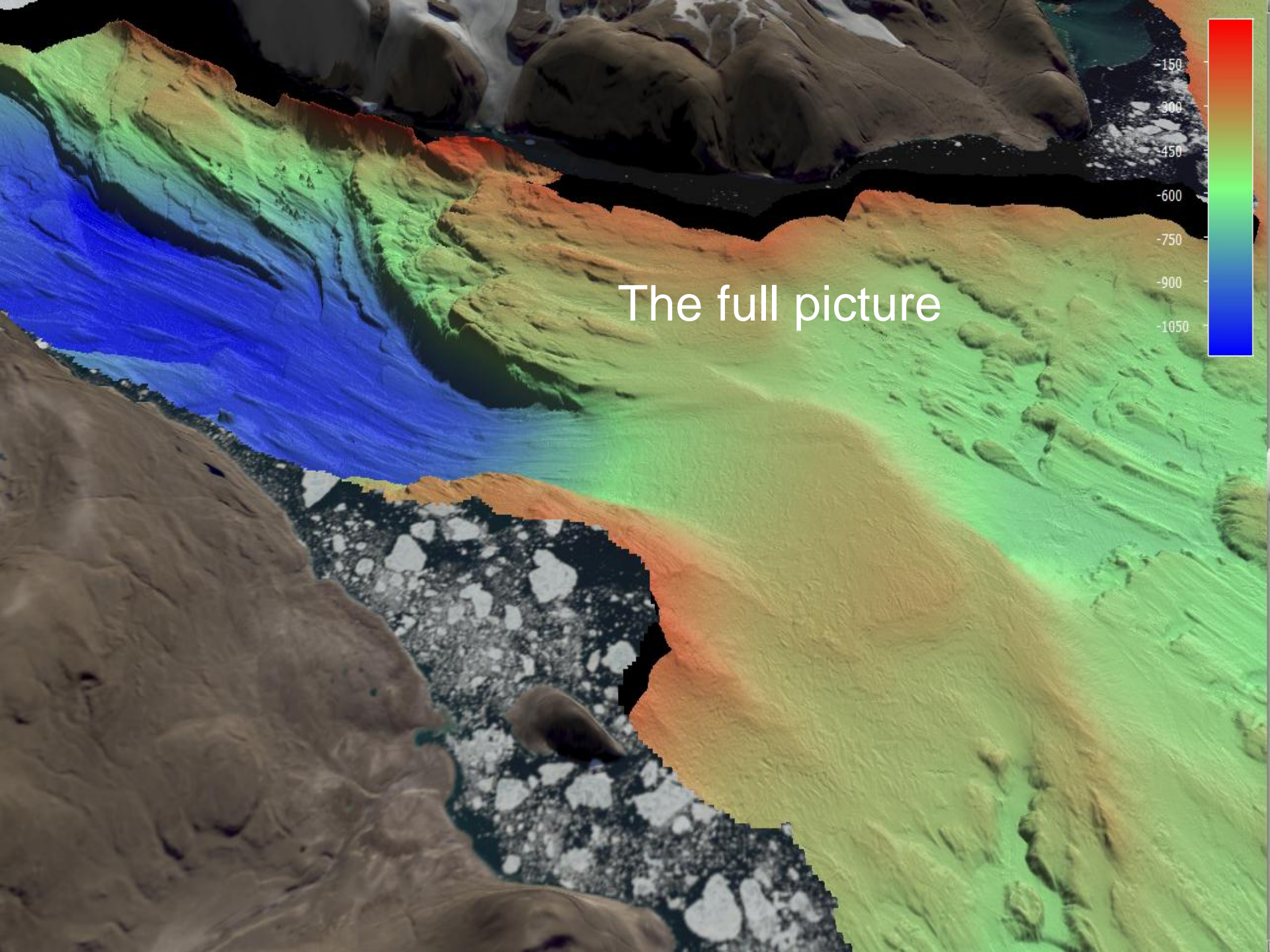
**< 11 % of the central Arctic Ocean is mapped with multibeam**

**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*)**







# **GEBCO-Nippon Foundation Seabed 2030**

## *The Roadmap for Future Ocean Floor Mapping*

*To achieve the vision of portraying the World Ocean floor:*

***The GEBCO - Nippon Foundation - Seabed 2030, is a global program with the focused goal of compiling a high-resolution openly available Digital Bathymetric Model (DBM) portraying the World Ocean seabed at the highest resolution possible from the coast to the deepest trenches by the year 2030. This DBM should efficiently provide bathymetric information to end users and leave no features of the World Ocean floor smaller than 100 m unmapped by the completion of the program.***

*The mission of Seabed 2030:*

***To empower the world to make policy decisions, use the ocean sustainably and undertake scientific research based on detailed bathymetric information of the Earth's seabed.***