

GLOBAL OCEANS®

Research Support for Ocean Science

A 501(c)(3) US-based nonprofit organization

www.global-oceans.org

The Global Oceans Model: Developing innovative solutions to the challenges of ocean research infrastructure

Core Approach: Adapting short-term project-specific use of commercial **Offshore Service Vessels (OSVs)** as dedicated science platforms:

- OSVs** →
- Global pool of ~4,000 OSVs
 - Available, accessible, state-of-the-art
 - Configurable, adaptable to project-specific needs

- Modular Labs** →
- Global rental pool of hundreds utilized by O&G offshore
 - Adaptable for project needs (analytics, clean, genomics, etc.)
 - ABS, ISO, A-60, USCG certified

- Logistics** →
- Port offices in 290 major and remote global ports
 - Science asset receipt & support
 - Personnel support



Research-configured Global Oceans OSV with labs, storage & operational support

Global Oceans: Mobilizing Existing Private-Sector Resources for Science

Operational Foundation

Ship Platforms/
OSVs



Modular Labs



Global Logistics

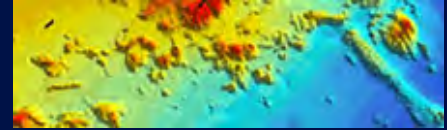


Research & Exploration Assets (Project-Specific)

Analytical Instruments



GIS Systems



ROV Systems



Surface Vehicles



Submersibles



Adapting Global Oceans Model to the Arctic

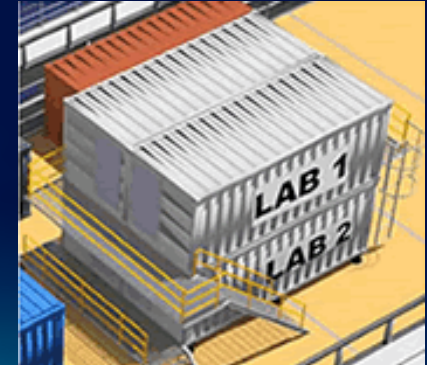
- OSVs →**
- Global pool of Icebreaker OSVs (~35-40)
 - Vessels rated up to 1.5m ice
 - Short-term charters
 - Adaptable to science needs



- Modular Labs →**
- Insulated & heat traced
 - Redundant systems (HVAC, UPS)
 - Ship-independent power generation



- Logistics →**
- Remote Arctic support (ISS Arctic Group)
 - Collaboration with existing Arctic commercial & industrial facilities & ports



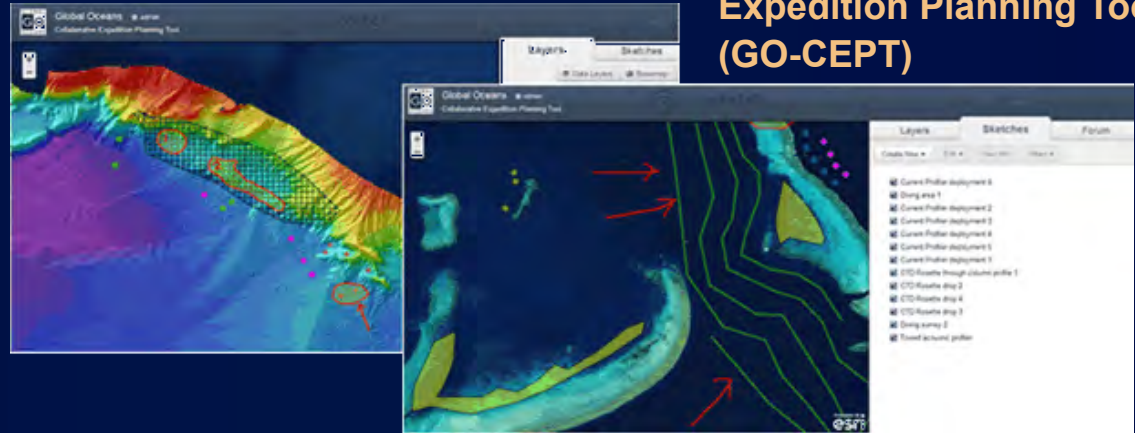
Range of Icebreaking OSVs (35-40 vessels worldwide)



GO-CEPT Planning Tool & Transaction Consolidation

Science Objectives & Research Plans:

IARPC
PAG/DBO
SAON
GRID-Arendal
RUSALCA
Academic Institutions
Intergovernmental NGOs



Global Oceans Collaborative Expedition Planning Tool (GO-CEPT)

GO-CEPT provides geospatial graphical planning tools, a collaborative discussion forum, and a database of available research and observational assets. GO-CEPT facilitates resource scheduling, mapping & expedition optimization.

Transaction Consolidation: Global Oceans organizes & aggregates all commercial supplier costs and payments into a single expedition cost for allocation among expedition PIs, with extended payment terms.



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