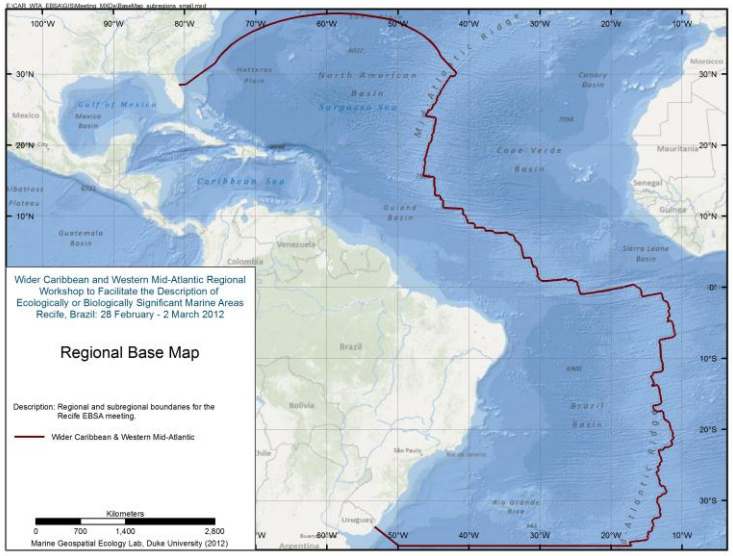
Scientific data support for regional EBSA workshops

Examples from: The Wider Caribbean and Western Mid-Atlantic EBSA Workshop
28 February - 2 March, 2012 Recife, Brazil



OBIS-SEAMAP

Patrick Halpin, Jesse Cleary and Ben Donnelly
Marine Geospatial Ecology Lab, Duke University, USA
Eduardo Klein, Universidad Simón Bolívar, Venezuela

Compilation of scientific data & information

~40 GIS data layers

Workshop Data Report

Data to inform the CBD Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas in the Wider Caribbean and Western Mid-Atlantic

Patrick Halpin, Jesse Cleary, Corrie Curtice, Ben Donnelly
February 20, 2012

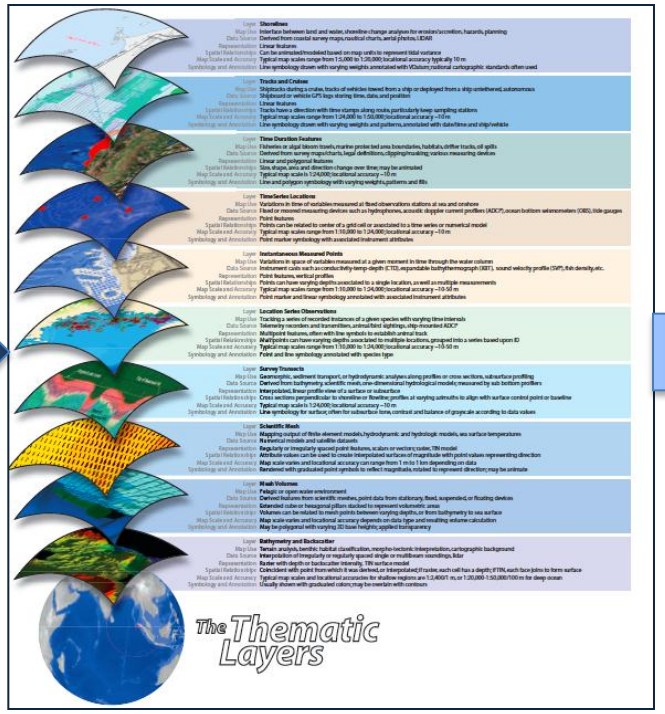
Prepared for the Secretariat of the Convention on Biodiversity (SCBD)

Marine Geospatial Ecology Lab

+>30 additional data layers

GIS layers & paper maps used at the workshop

Overlay & Analysis



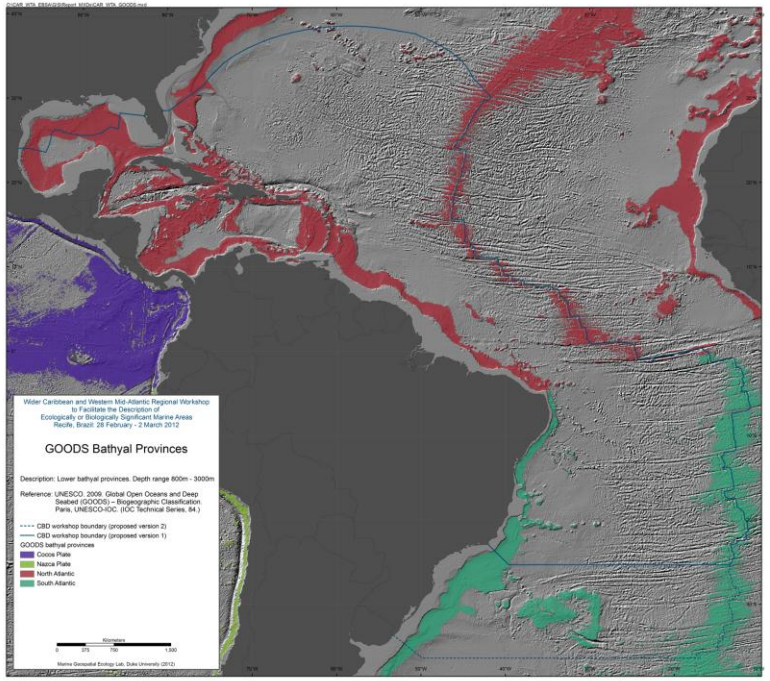
Data types

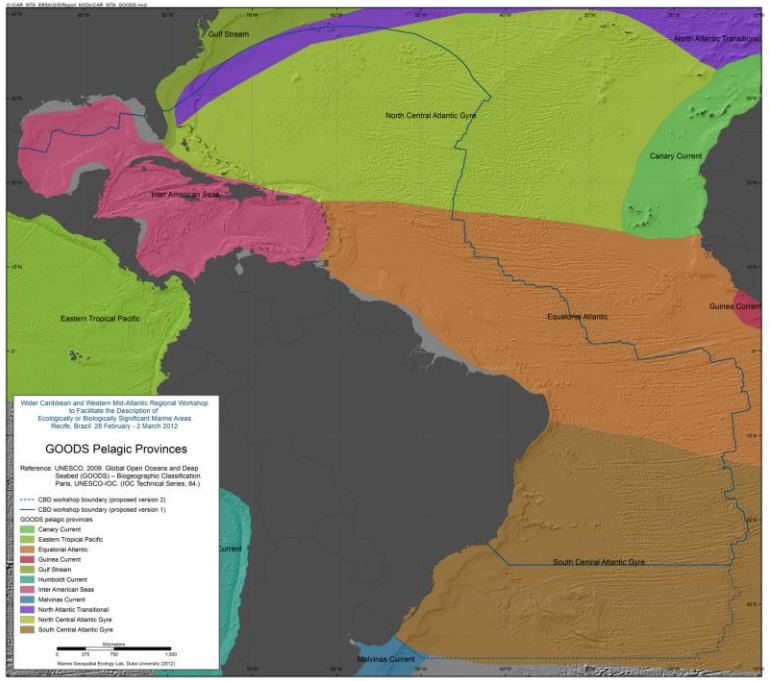
- Biogeography
- Biological Data
- Physical Data

Biogeography

Provides important information on regional boundaries, study area extent and ecosystem coverage.

2.1 GOODS biogeographic classification
2.2 Marine Ecoregions of the World
2.3 Large Marine Ecosystems (LMEs)
2.4 Longhurst Marine Provinces

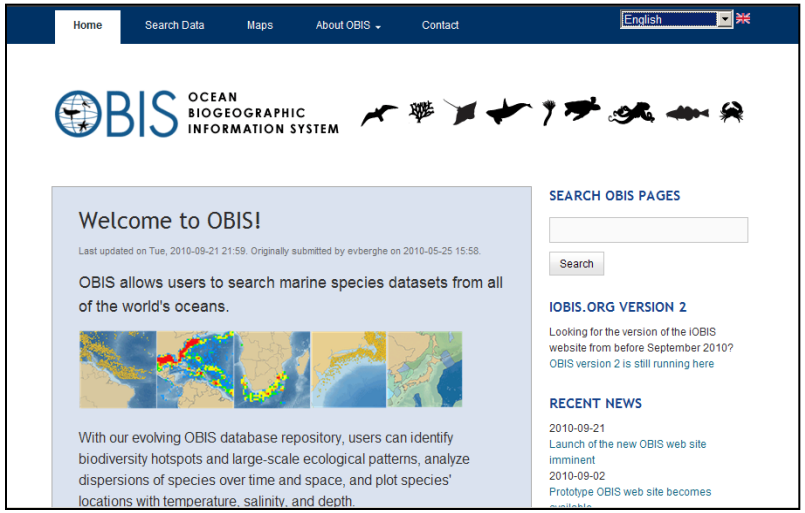




Biological data

Provides important information on target species and biological diversity.

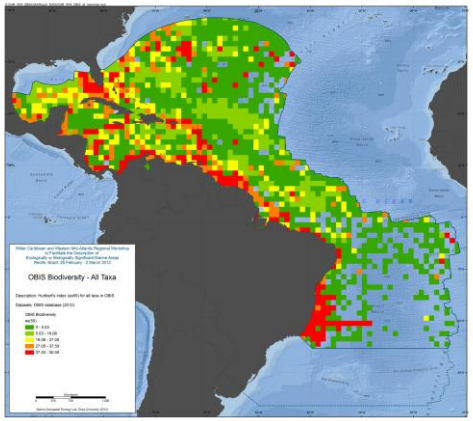
Ocean Biogeographic Information System



>30,000,000 records on-line
~126,000 species

3.1 Distribution of Coral Reefs, Seagrasses and Mangroves
3.2 Historical Whale captures
3.3 Catches of Commercial Pelagic Species
3.4 Turtle tagging data aggregated by OBIS-SEAMAP
3.5 SWOT / WIDECAST nesting beaches
3.6 Ocean Biogeographic Information System (OBIS)
3.7 Predictions of Deep Sea Corals
3.8 Important Bird Areas

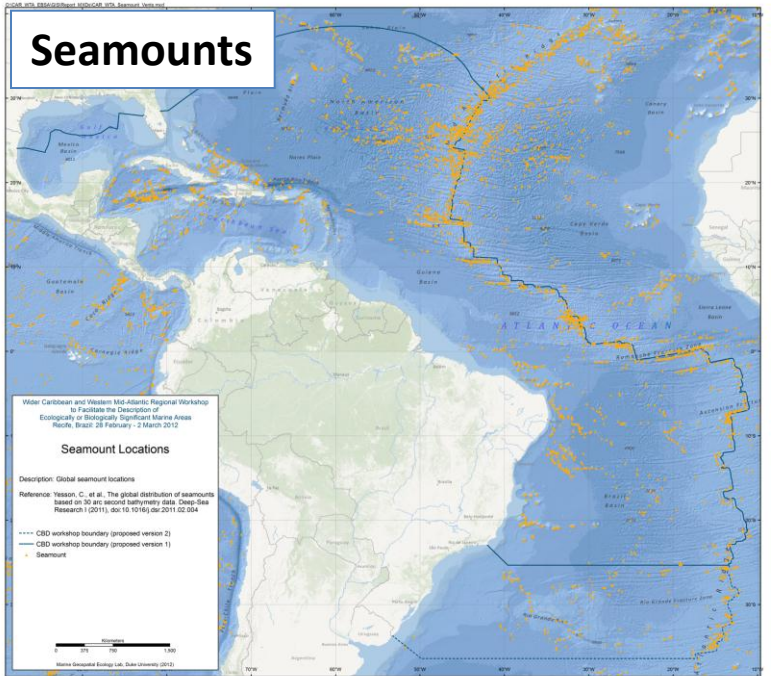
Species diversity

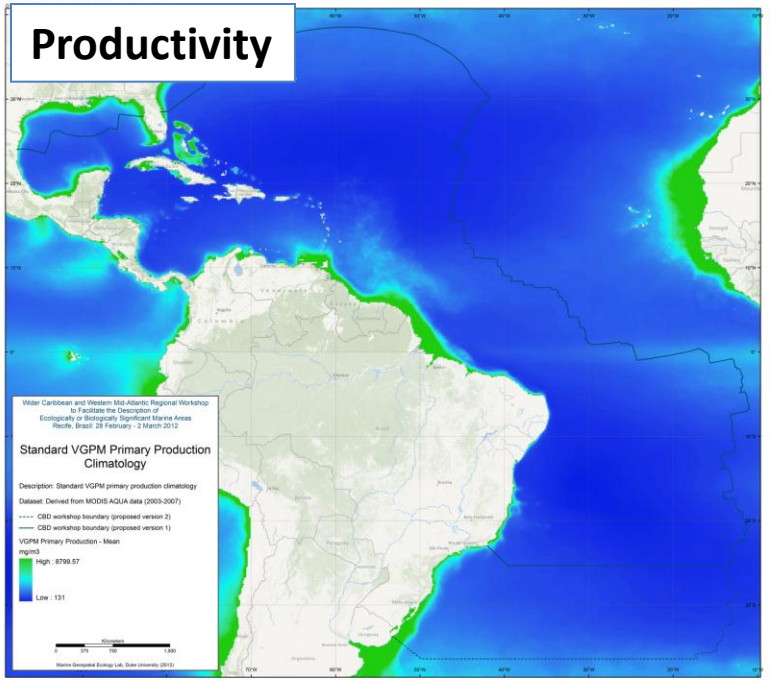


Physical data

Provides important information on the physical properties of the ocean and ocean floor.

4.1 Seamounts
4.2 Vents and Seeps
4.3 Bathymetry (GEBCO)
4.4 Large Submarine Canyons
4.5 Total Sediment Thickness
4.6 Global Seascapes
4.7 Physical Ocean Climatologies





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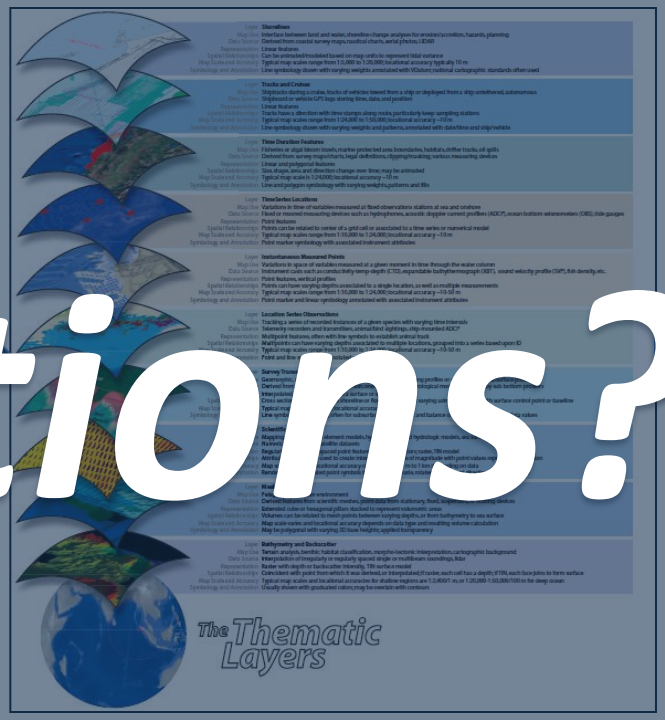

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Questions?