



# PERSPECTIVES AND CHALLENGES OF USING OCEAN BEST PRACTICES IN BRAZIL

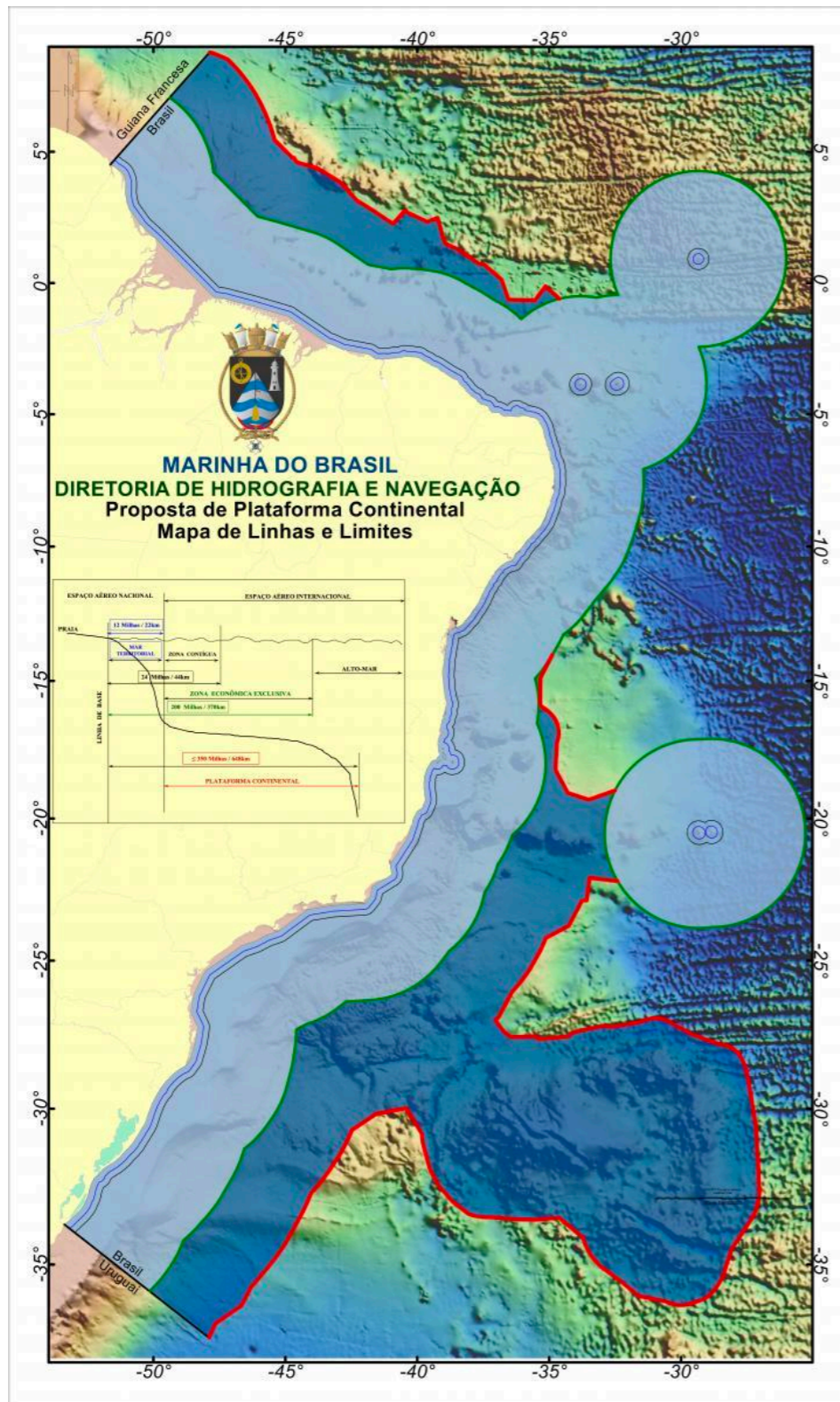
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Ocean Biodiversity Information System (Brazil Node) - IOC/UNESCO

**OBPS-SG meeting 2022-03-09**





~7500 km of coastline  
 ~ 3.6 million km<sup>2</sup> of EEZ

Very different regional backgrounds in  
 Ocean Science and operational Observing  
 Systems



**PROFILE**

**NEEDS**

**NORTH**

Fishing management  
 Conservation of fishing stocks  
 Traditional knowledge

Resources  
 Infrastructure  
 Capacity building

**NORTHEAST**

Operational Oceanography  
 Marine protected areas  
 Economic struggle

Instrumentation  
 Educational centers  
 MPS

**SOUTHEAST**

Science Excellence  
 Coastal management  
 Development and innovation

Data sharing  
 Communication  
 Collaborative networks

**SOUTH**

Localized Scientific Centers  
 Impact Assessment Industry  
 Natural Hazards and marine spatial planning

Data sharing  
 Communication  
 Participation

**CENTRAL-WEST**

Governmental institutions  
 Ocean and Environmental Regulations

System Organization  
 Social Sciences  
 Integration

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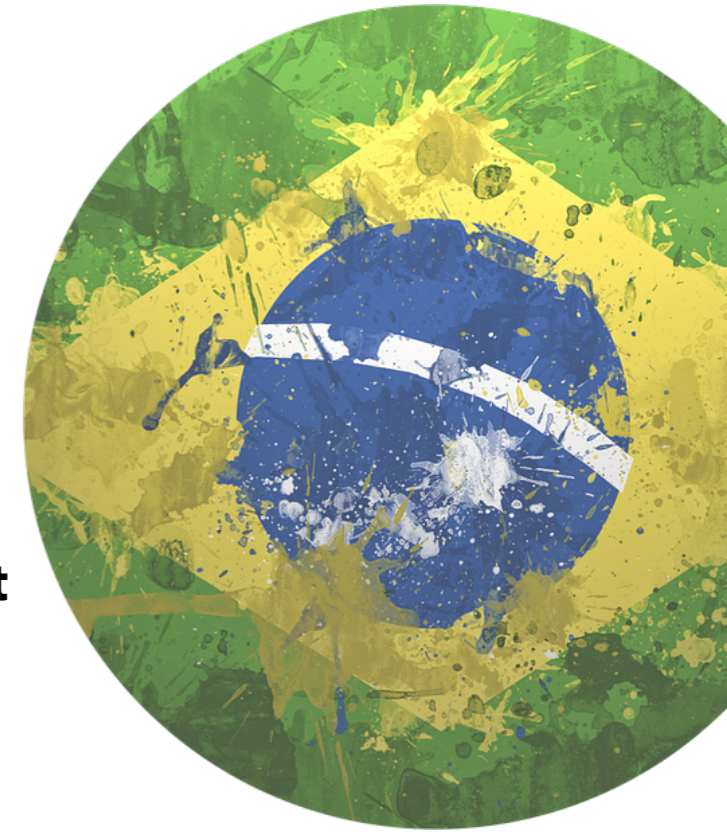
## OBPS pipeline in Brazil



**Scientific Institutions**

**Private Sector**

**Government**



## CHALLENGES

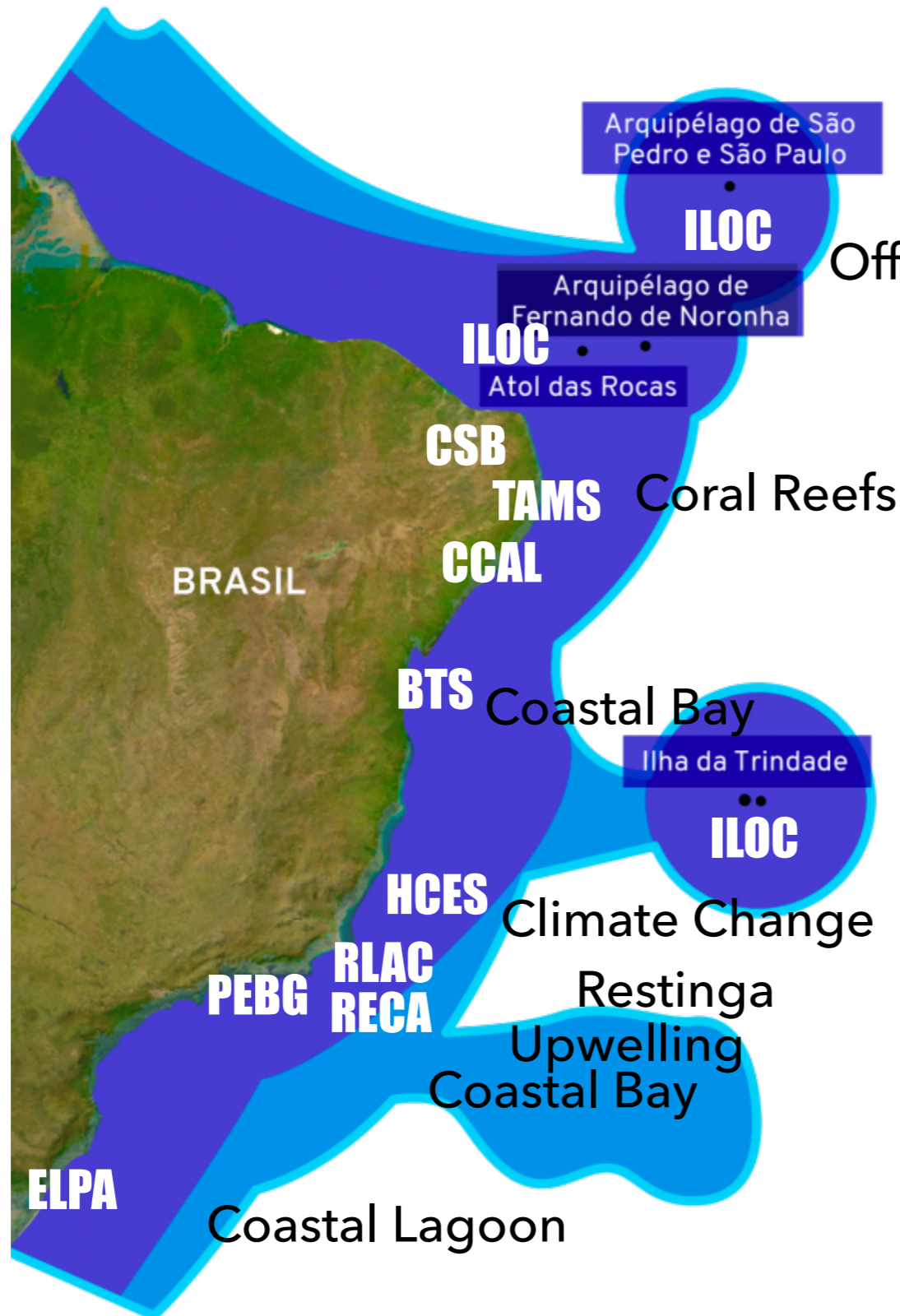
### OVERALL

- Short-term initiatives
- Technical limitations
- Capacity building

### OCEAN DATA CHALLENGES

- Data sharing
- Capacity building
- Funding agencies
- Bottom-up culture

## The Long-term Ecological Research Program (Marine Sites - PELDs)



Offshore Islands

Coral Reefs

Coastal Bay

Climate Change

Restinga  
Upwelling  
Coastal Bay

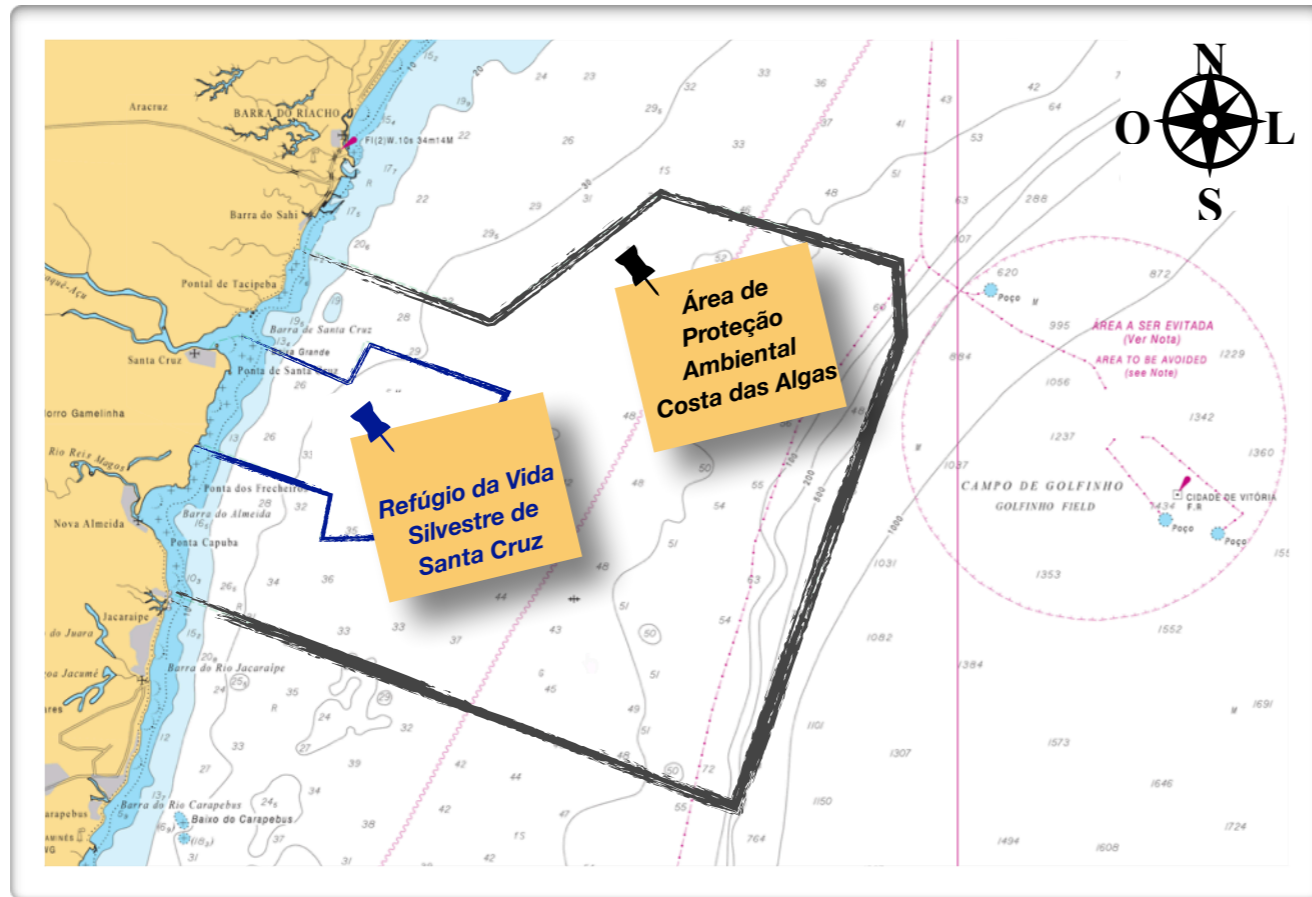
Coastal Lagoon



PESQUISAS ECOLÓGICAS  
DE LONGA DURAÇÃO

Main sources of ocean best practices in science, conservation and management of **marine biodiversity and ecosystems**

# LOCAL PERSPECTIVE - COASTAL MARINE OBSERVATORY



Plan actions using OBPS

Collaboration

Integration with other LTER

Simplify

Focus on the objective

Funding diversification



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