

# a Fisheries Ecosystem-based approach to the development of Transboundary Diagnostic Analyses and a region-wide Strategic Action Programme

### CLME: from sub-regional TDA to fishery ecosystem-based TDAs

A preliminary Transboundary Diagnostic Analysis (TDA) for the Caribbean LME and adjacent North Brazil Shelf LME was developed during the PDF B phase of the CLME project. Given the complexity and diversity of the region in terms of its biogeophysical, socioeconomic, legislative and cultural characteristics, a sub-regional approach to assessing the status of the region's living marine resources was selected.

For this purpose, the CLME Area was subdivided in 3 geographic subregions: (i) **Insular Caribbean** subregion; (ii) **Central & South America** subregion; and (iii) **Brazil-Guyanas** subregion.

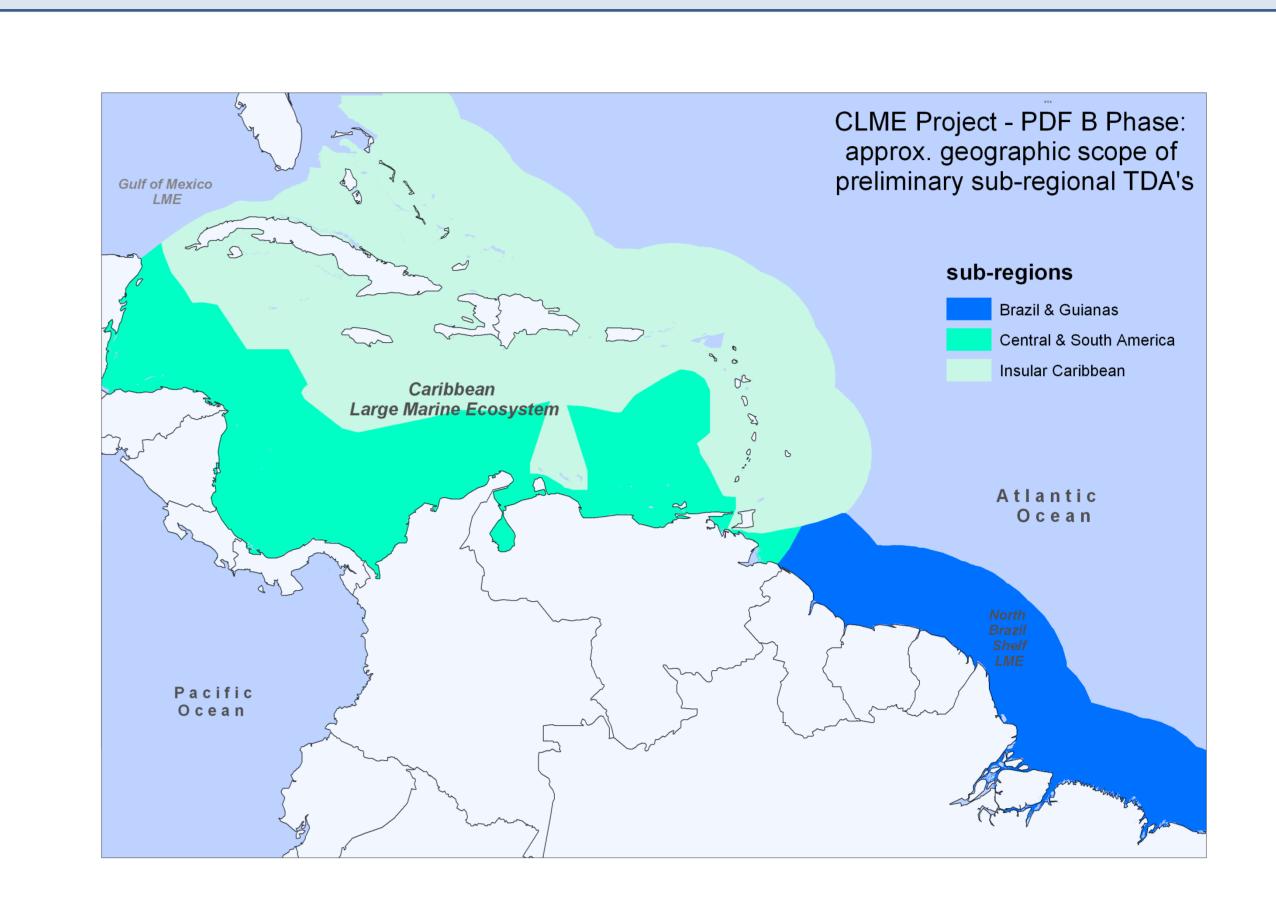
However, the updating of the TDA's under the Full-Sized Project implementation phase used an **alternative –innovative- approach**: rather than using the physical limits of the 3 former geographic subregions, ecological "limits" corresponding to 3 "**fishery ecosystems**" considered key to the sustainable management of the shared living marine resources in the Wider Caribbean were used as the departure point for the development of the updated TDAs.

The outcomes of these ecosystem-based TDA's were then combined with a regional governance framework analysis into an overarching "regional" TDA, covering the entire CLME.

The 3 selected key fishery ecosystems selected for the TDA analysis are:

- \* REEFs and associated Ecosystems
- \* PELAGIC Ecosystem
- \* CONTINENTAL SHELF Ecosystem

Pilot Projects and Case Studies are under implementation to further trial governance and management frameworks & options at the (sub)-regional, national and local levels, and provide additional input for the development of the CLME's Strategic Action Programme (SAP).



# common KEY TRANSBOUNDARY ISSUES

# identified in preliminary TDA's

- 1.Unsustainable exploitation of living marine resources
- 2. Habitat degradation and community modification
- 3.Pollution

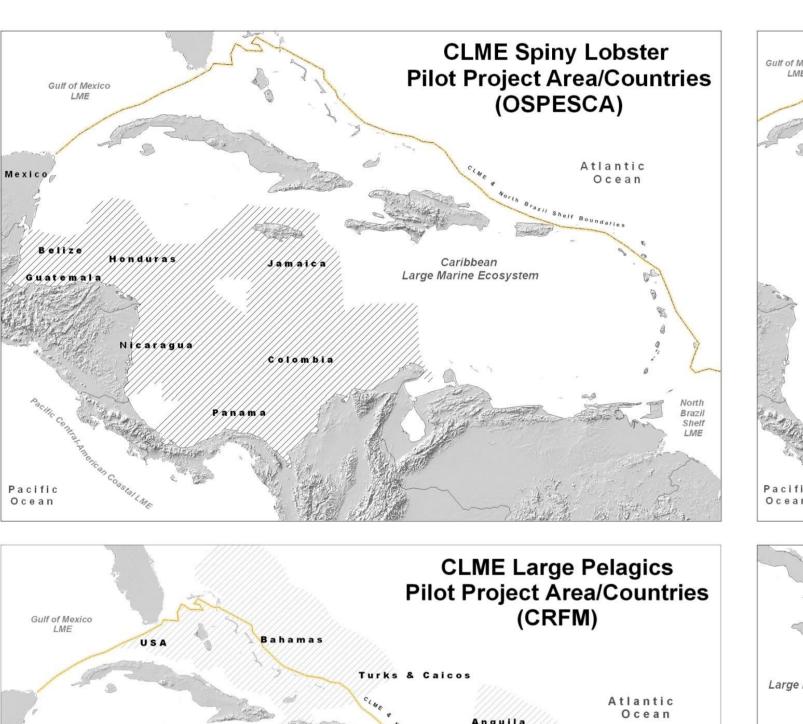
## KEY FISHERIES ECOSYSTEMS

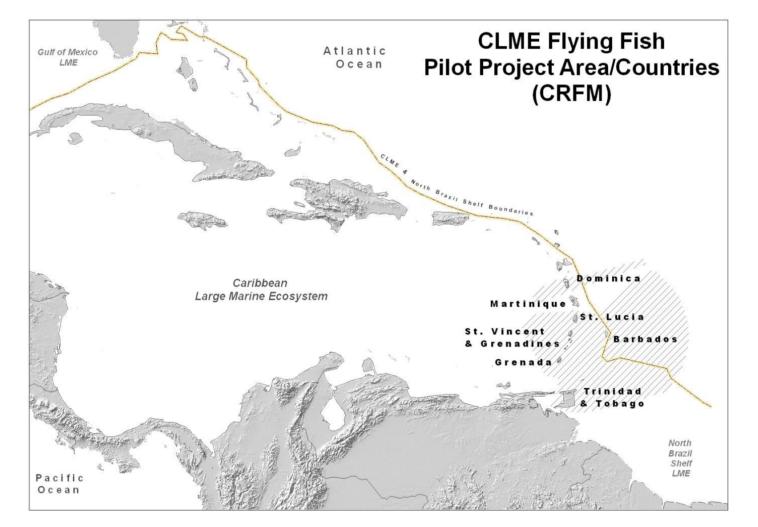
identified as the basis for the updated sub-TDA approach:

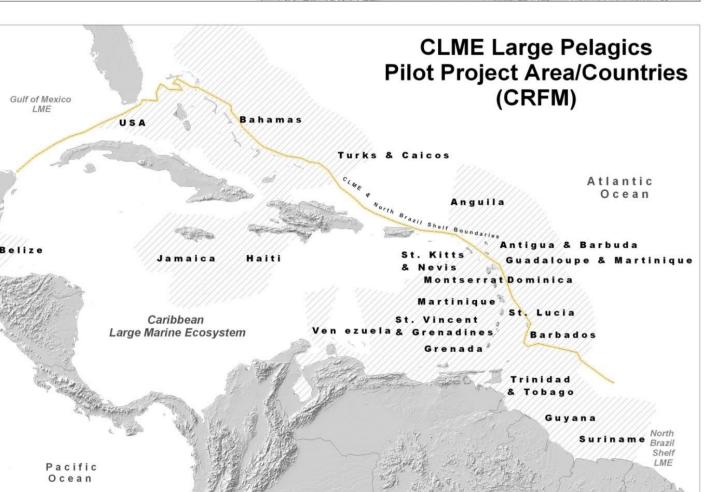


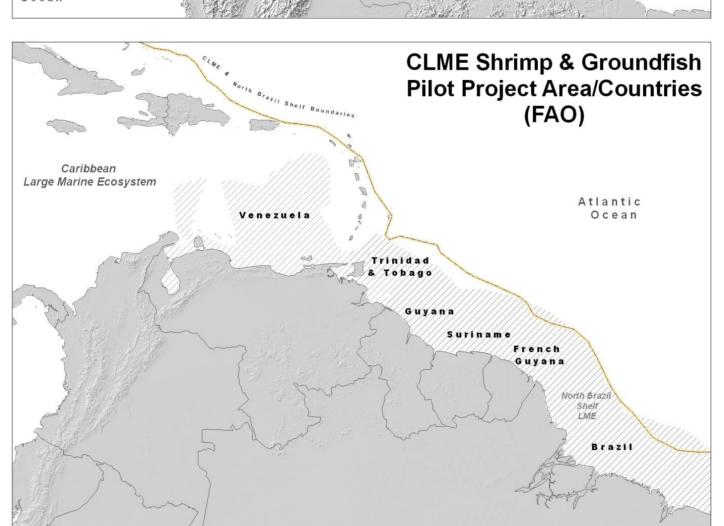
Ecosystem Approach to Fisheries / Ecosystem-based Management (EAF/EBM)

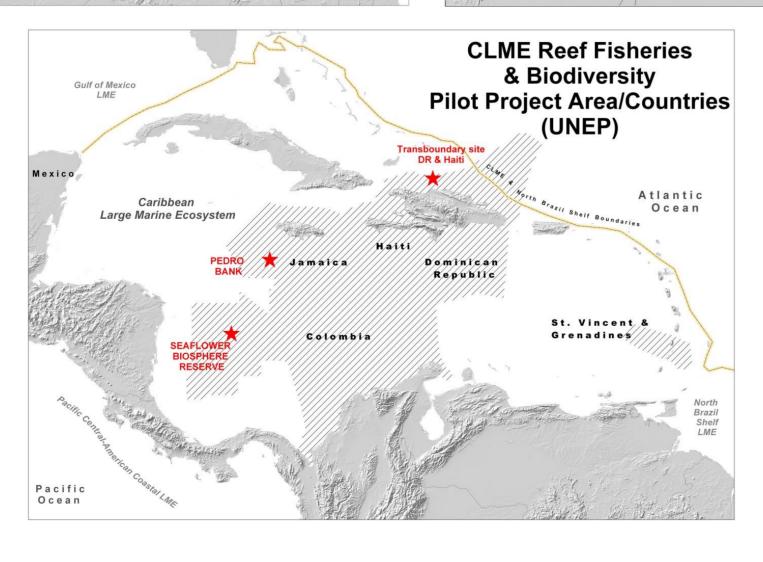
- 1.Reefs Ecosystem
- 2.Pelagic Ecosystem
- 3.Continental Shelf Ecosystem











#### MONITORING & REPORTING in the wider Caribbean Region (wCR) (CLME STRATEGIC ACTION PROGRAMME) GLOBAL REPORTING & ASSESSMENTS (Eg. UN Regular Process) COORDINATION MECHANISMs FOR BROADER WCR OCEAN GOVERNANCE (data, information, monitoring & reporting component) initial focus on shared Living Marine Resources) INSTITUTIONAL LEAD(s): TBD ENVIRONMENTAL SUSTAINABLE FISHERIES PROTECTION Institutional lead: Institutional lead: UNEP CEP WECAFC CCAD OSPESCA CEHI CRFM THE WIDER CARIBBEAN REGION COUNTRIES OF

DRAFT PROPOSAL (simplified version – for consultation)

for DATA & INFORMATION MANAGEMENT and















**United Nations Environment Programme** 



