Development of Regional Nutrients Reduction Strategy & Action Plan

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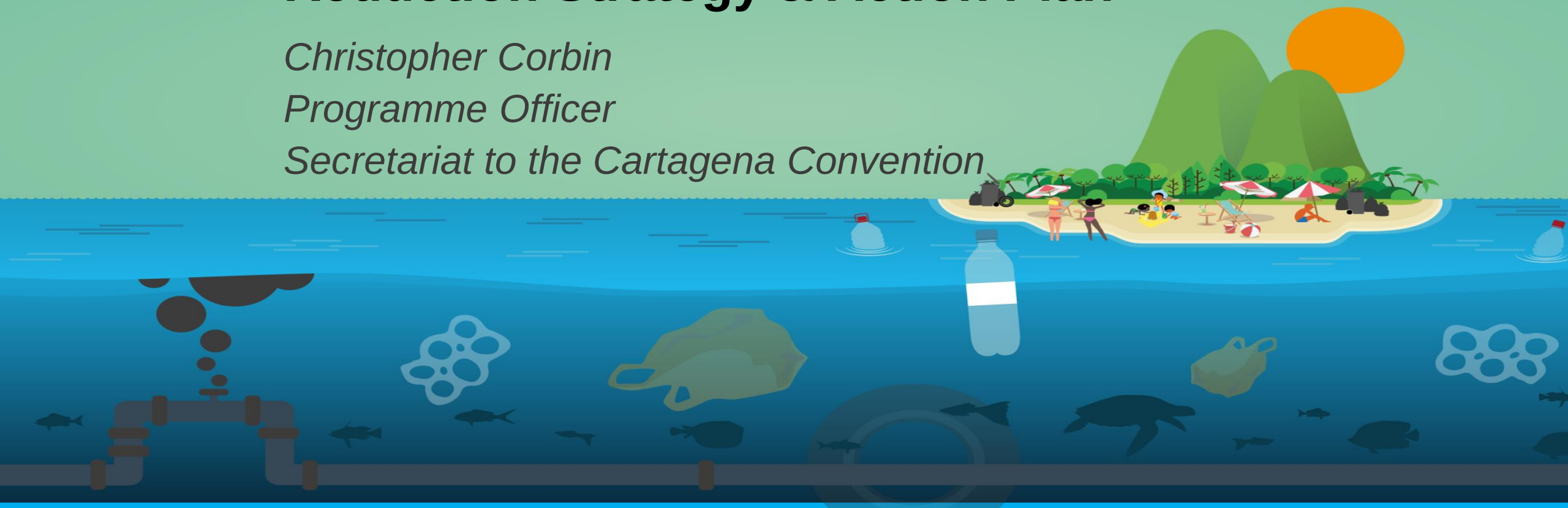
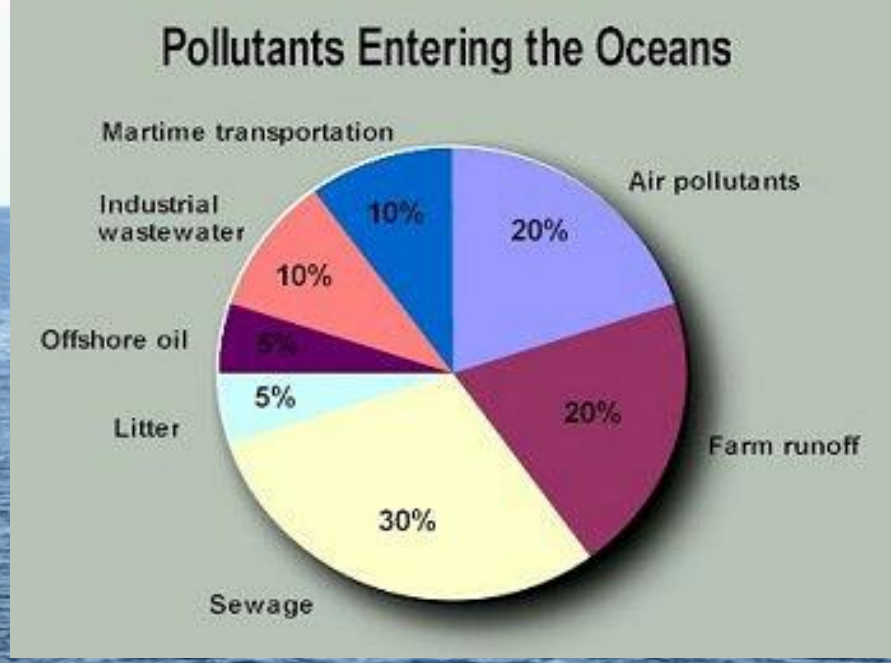




Part 1 Outline

Outline

Global & Regional Frameworks for Nutrient Pollution
Nutrient Pollution: *Sources, Trends, Gaps,Levels & Impacts*
UNDP GEF CLME+
Objective of Regional Nutrients Reduction Strategy
Strategic Linkages
Table of Contents
Timeline & Next Steps

Technical Guidance: *Scope, Content, Approach, Partners, Projects & Activities*

Part 2 Global Frameworks

80% of marine pollution originates from land-based sources - wastewater, nutrients & sediment loadings
Excess Nutrients – Dead Zones
Global Partnership on Nutrients Management (GPNM)
Support to Aichi Targets of the Biological Diversity Convention
Support to SDGs 6 & 14
UN Environment Assembly Resolutions on Nutrients Reduction
Not just a pollution issue but a nutrients efficiency issue – food security, climate change

Part 3 Regional Frameworks

Cartagena Convention, LBS Protocol - Annexes III & IV
Caribbean Platform for Nutrients Management (CPNM)
Caribbean Node for Wastewater Management
Cooperation with Brazil/Amazon Sub-Region
GEF IW Projects: REPCar, IWCAM, IWEco, CLME, CLME+, CReW, CReW+

Part 4 Nutrient Pollution: Sources

Sewage:

85% Untreated or Partially Treated

Agrochemical Run-off:

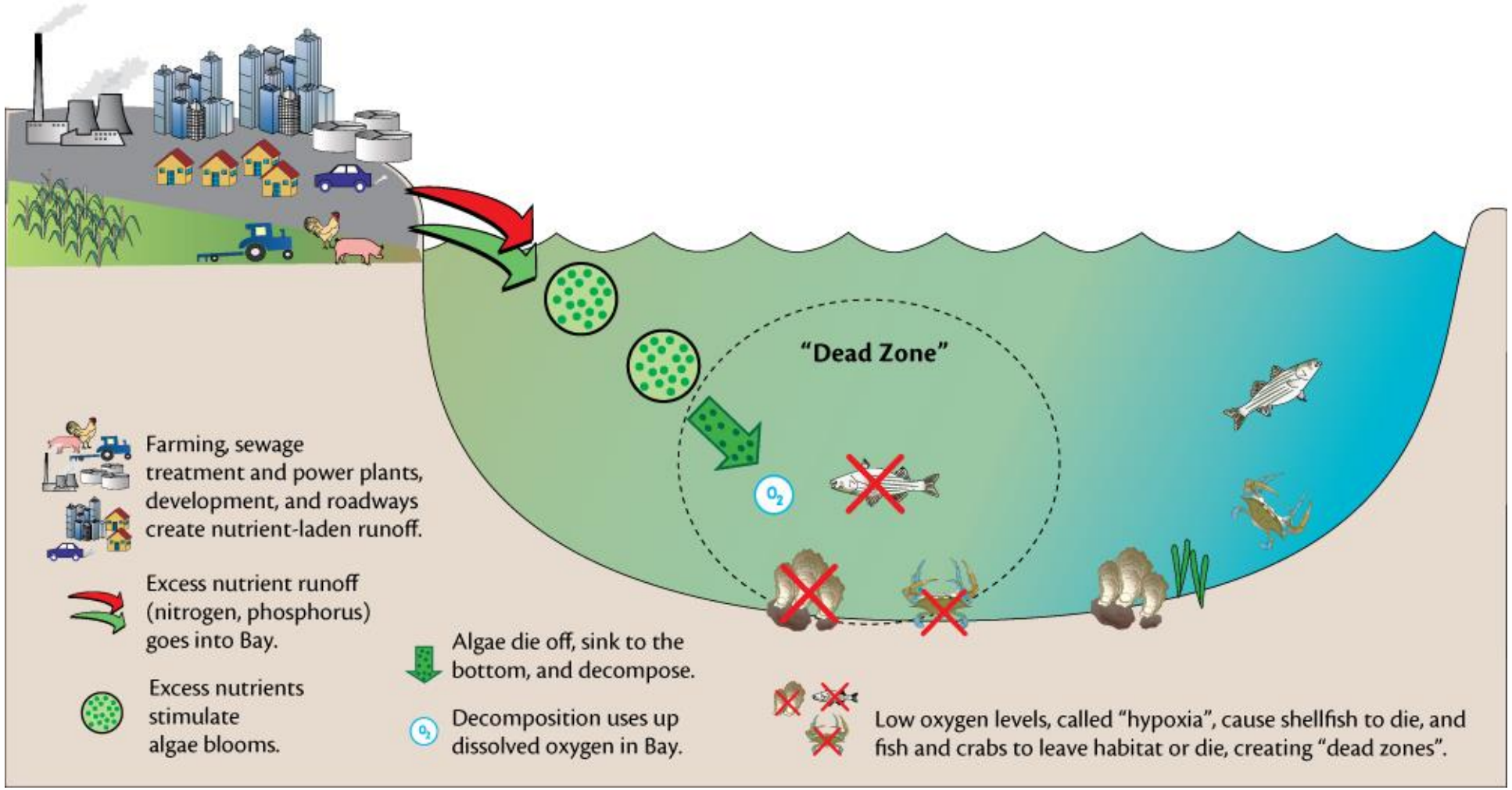
Sediment loads from the Meso-American region (Belize, Guatemala, Honduras, & part of Mexico's Yucatan Peninsula) contribute significant amounts of sediment to the WCR—374 million tons per year

Part 5 Nutrient Pollution: Impacts

Coral Reefs; Sea Grass Beds; Sargassum

Tourism

Fisheries



Part 6 UNDP GEF CLME+ Support

Regional Strategies & Action Plans

For the valuation, protection and/or restoration of key marine habitats in the CLME+ (SPAW)

For the reduction of impacts from excess nutrient loads on marine ecosystems (LBS)

Established Caribbean Platform for Nutrients Management

Convened 2nd Regional Workshop of Platform in Trinidad & Tobago

Regional Dialogue with Amazon Group

Indicative Action Plan & Regional Priorities

Draft Outline & Approach Action Plan for Nutrients

Baseline and (pre-)feasibility assessment reports (2019)

… to assess the needs and opportunities for investments

- *for the enhanced protection and restoration of key habitats (SPAW)*
- **to reduce the impacts of pollution on human well-being (LBS)**

→to safeguard the goods & services delivered by marine ecosystems and associated living resources to human society

…followed by Investment Plans (2019)

For large-scale action on habitat protection and restoration (SPAW)

Outlining costs for high-priority actions to reduce LBS pollution (LBS)

EBM Sub Project: Pilot sites

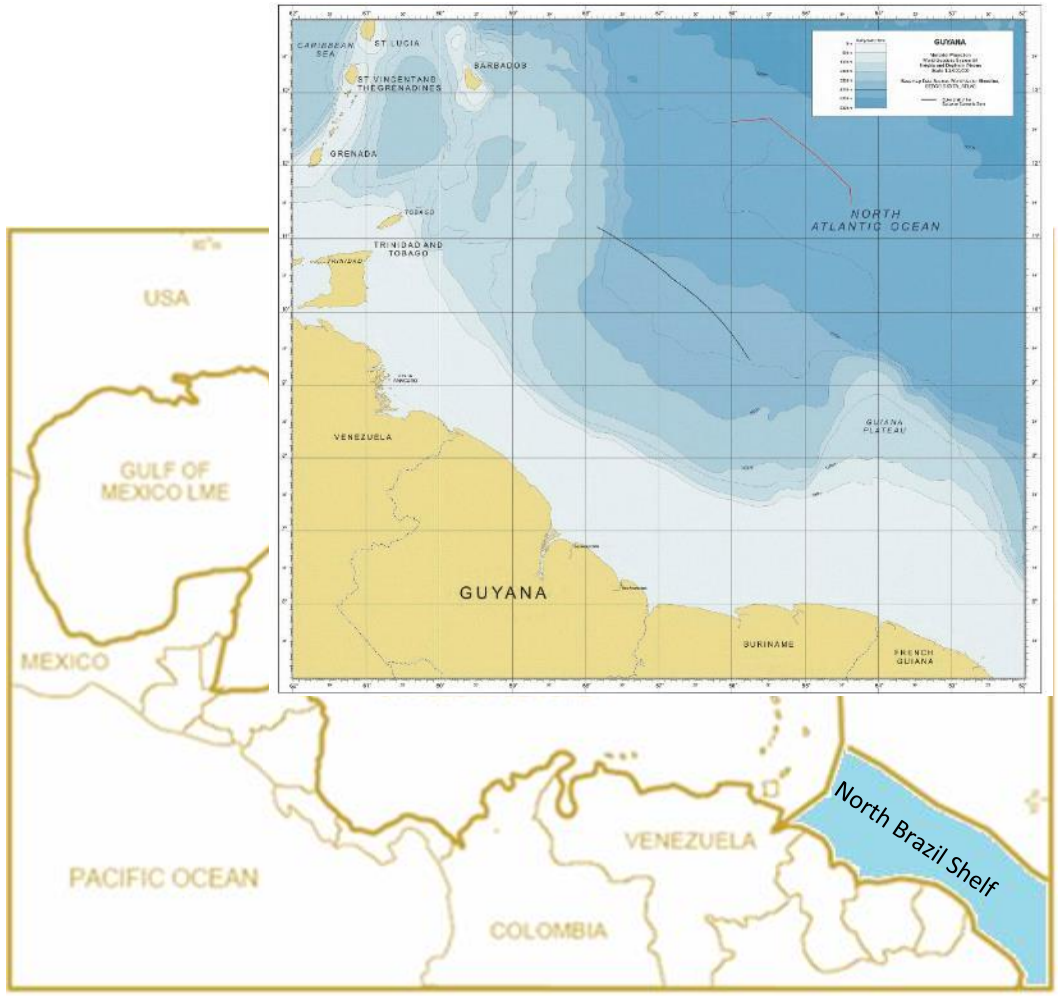
Located **within Guianas & North Brazil Shelf**

Link to ongoing EBM projects **in Eastern Caribbean**

Aim:

- **Coordinated implementation** of joint SPAW and LBS Protocol **actions and measures** at selected sites

- **Outcomes** and **'lessons learned'** from the project will improve coordinated implementation of SPAW and LBS in the future



Sources: http://arctic-healy-baker-2008.blogspot.com/2011/09/on-6-september-2011-guyana-filed-57th.html
http://www.clmeproject.org/gframework.html

Part 7 Proposed Scope & Approach

Objectives

Identify most important “regionally relevant” pollution sources;
Identify high priority areas for further action based on most affected ecosystem types & socio-economic impacts;
Leverage financing for on-ground investments;
Contribute to regional & global commitments;
Address data gaps identified in SOCAR – improved baseline;
Build capacity of the LBS RACs, RAN & CPNM;
Facilitate knowledge exchange, policy reform, technological transfer & capacity building;

Scope & Approach

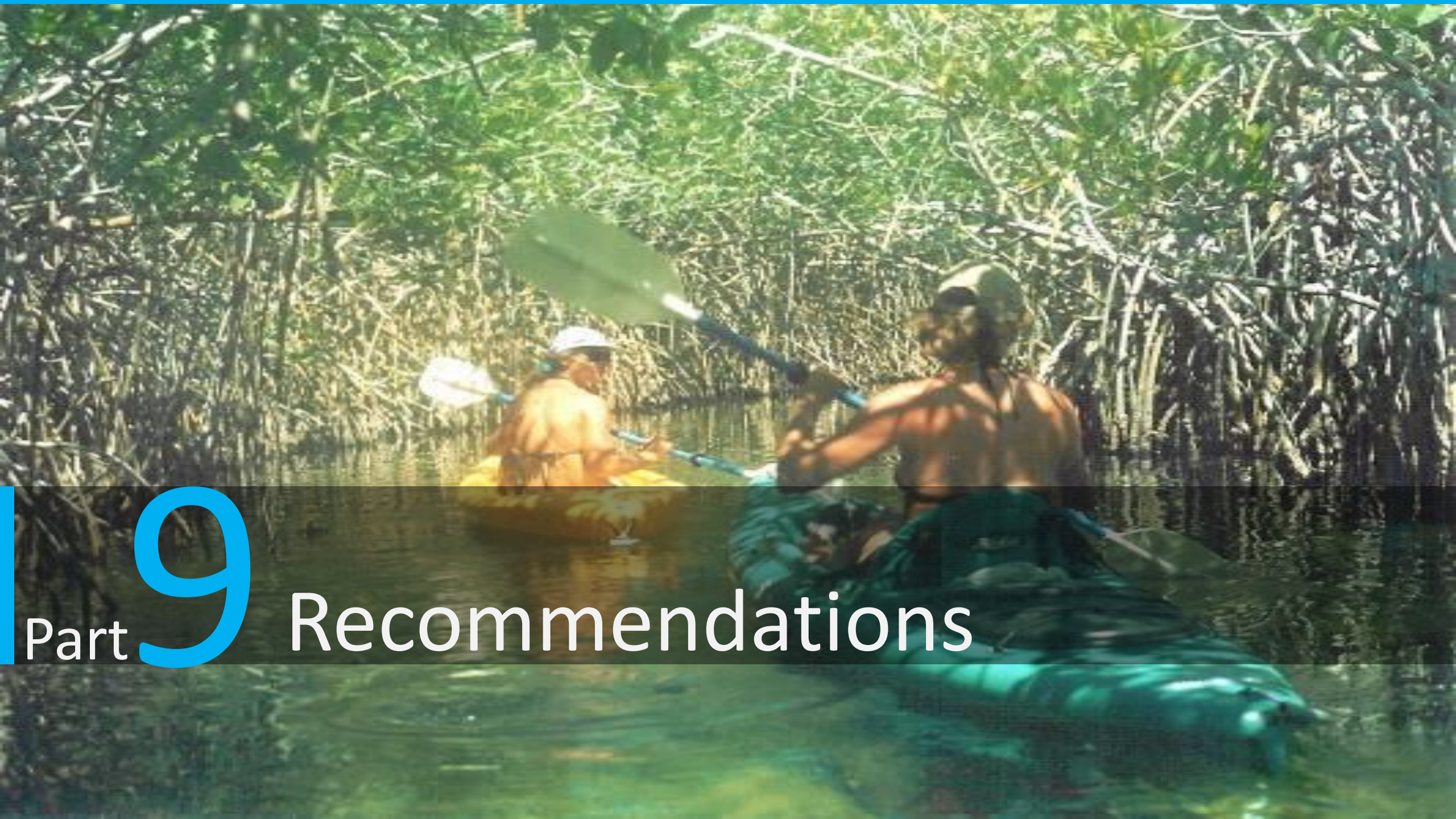
Wider Caribbean Region: 3 LMEs
Lead Role for LBS RACs & RAN
Sub-regional approach – previous reports including SOCAR
Build on gaps identified in SOCAR
Link to State of Habitat & Habitat Restoration Strategy under SPAW
Link to Pre-Feasability Assessments & Investment Plans

Output	TimeLine (to be completed during meeting)
Task team established & formalized	
Baseline of regional sources & impacts	
Mapping of projects & organizations	
Mapping of transboundary characteristics of most affected ecosystems	
Nutrient monitoring protocol/guidelines incl GEAF indicators	
Types, concentration & temporal variations of nutrients (key data gaps)	
An integrated nutrients Databank/information platform	
Integrative strategy for policy & action plans	
Investment Plan identifying the costs of high-priority actions to reduce nutrient pollution sources which cause substantial impacts on ecosystem goods and services available.	


Part 8
Table of Contents

Introduction: *Governance; International & Regional; Nutrient Pollution;*
Sources and Loads: *Agriculture, Sewage*
Impacts: *Socio-Economic, Environmental*
Strategic Objectives: *Knowledge Generation & Transfer; Technical Services; Governance & Policy; Outreach & Advocacy;*
Action Plan & Implementation Schedule: *Targets & Indicators*

Annexes: *MEAs; Hot Spots; Habitat Maps; Reduction Targets & Indicators; Programmes, Projects, & Partners; Communications Strategy; Case Studies & Best Practices; Nutrients/Ecosystem Health Report Cards; Technologies;*



Part 9 Recommendations

What are our major gaps relating to nutrients pollution?
What regional projects & activities are you aware of?
Are there specific areas of focus we should include?
Are there additional partners we should include?
Is the proposed approach & scope feasible?
Any concerns, possible constraints?
Any other technical recommendations?

Thank you
Merci Beaucoup
Muchas Gracias

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