

CLME Project:

Concept & Methodology; Current Status, Problems, Challenges & Solutions

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CLME:

“Sustainable Management of the Shared Living Marine Resources of the Caribbean Large Marine Ecosystem (CLME) and Adjacent Regions”



United Nations
Educational, Scientific and
Cultural Organization

Intergovernmental
Oceanographic
Commission

GEF Replenishment # 4 – Focal Area : International Waters

Start Date: May 2009

End Date: April 2013

**23 PARTICIPATING + 2 ASSOCIATED (GEF eligible) COUNTRIES +
Dependent Territories + multitude of regional organizations**

Regional Coordination Unit located in Cartagena, Colombia

GEF Contribution: approx. US\$ 7 million



OVERARCHING GOAL:

- ❑ Collective, multi-state management of IW
- ❑ To assist countries to use the full range of *measures* needed to operationalise sustainable development strategies for *IW*

Measures: technical, economic,
financial, regulatory, and
institutional

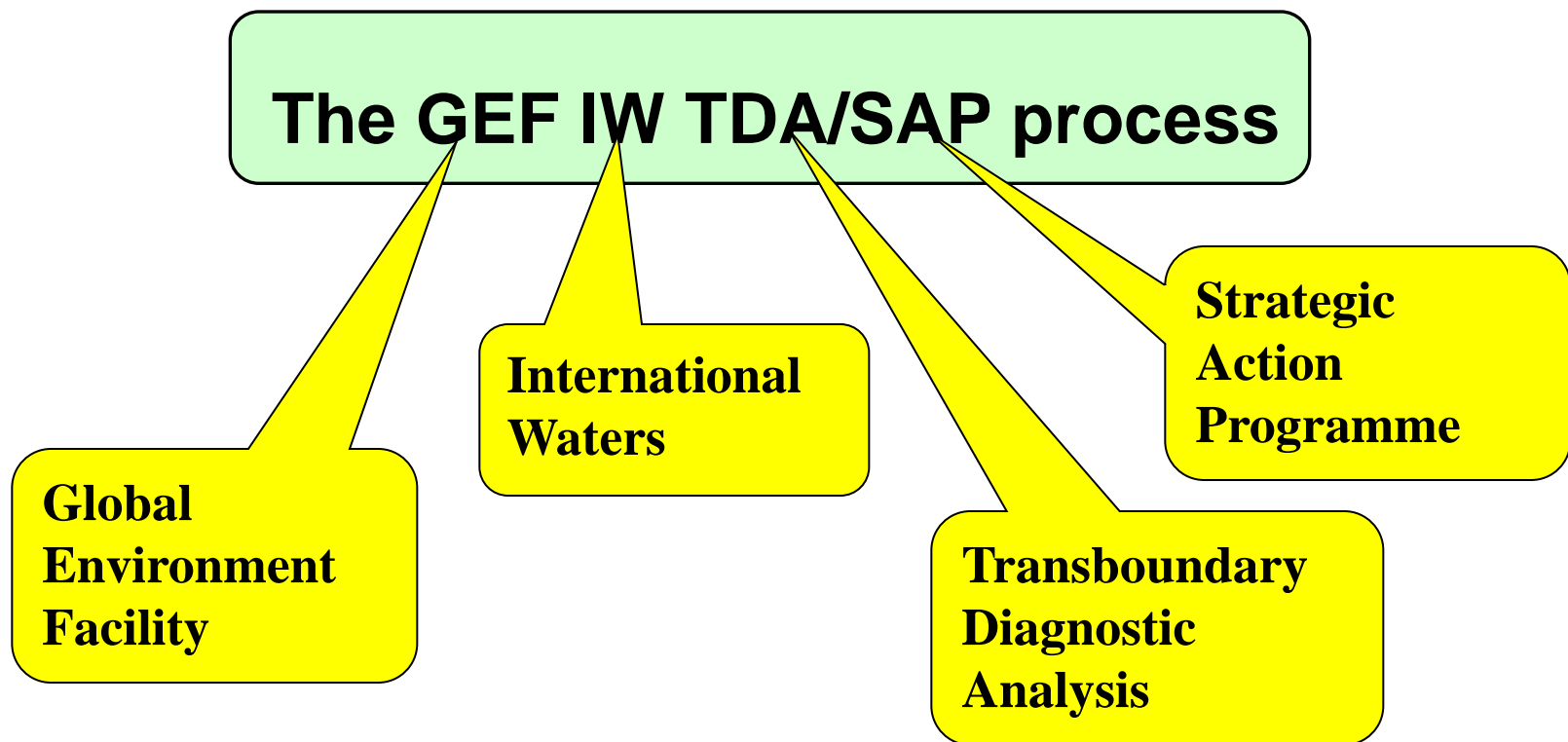
Strategic Programs For GEF IW Focal Area for GEF 4

- **SP-1: Restoring and sustaining coastal and marine fish stocks and associated biological diversity**
- SP-2: Reducing nutrient over-enrichment and oxygen depletion from land-based pollution of coastal waters in LMEs consistent with the GPA
- SP-3: Balancing overuse and conflicting uses of water resources in surface and groundwater basins that are transboundary in nature
- SP-4 Reducing Persistent Toxic Substances and testing adaptive management of waters with melting ice

GEF Operational Strategy For IW

3 kinds of GEF interventions:

- ☐ **Foundational Capacity Building:** Support for Initial Strategic Capacity Building For **Marine Ecosystem-specific Collaboration:** National Inter-Ministry Committees; stakeholder participation; Transboundary Diagnostic Analysis (TDA), agreement on a Strategic Action Program (SAP)—shared visioning processes and reforms/investments
- ☐ **Implementation of Stress Reduction Measures:** based on an agreed SAP, GEF may support a “SAP Implementation Project”, including national reforms, demonstration investments for transboundary priorities, regional institution-building
- ☐ **Portfolio Experience Sharing/Learning**



CLME Project

GOAL

Sustainable provision of Goods and Services from the shared Living Marine Resources of the Wider Caribbean Region

OBJECTIVE

Sustainable Management of the shared Living Marine Resources of the CLME through an integrated management approach that will meet WSSD targets for sustainable fisheries

SPECIFIC OBJECTIVES

- ✓ To identify, analyze and agree upon **major problems, root causes and actions required** to achieve sustainable management of the shared LMR in the CLME.
- ✓ To improve the **shared knowledge base for sustainable use & management** of transboundary LMR
 - ✓ To implement **legal, policy and institutional reforms** to achieve sustainable transboundary living marine resources management.
- ✓ To develop an institutional & procedural approach to **LME-level monitoring, evaluation & reporting**

GEF “CLME” Project



2 LMEs:

- ☐ Caribbean LME
- ☐ North Brazil Shelf LME

CLME Geographic Scope



Approach:

❑ Development of **Transboundary Diagnostic Analysis (TDA)**

- ✓ non-negotiated technical-scientific process
- ✓ **CCA: causal chain analysis**: direct, underlying & root causes of problems

❑ Development of **Strategic Action Programme (SAP)**

- ✓ to be based on the outcomes of the TDA process
- ✓ addresses identified issues through priority measures agreed upon by countries:

→ *policy/institutional/legal reforms & investments*

- ✓ to be endorsed by all participating countries at the highest political levels
- ✓ to be translated into NAPs – *National Action Plans*
- ✓ *commitment for implementation*

❑ **Pilot Projects & Case Studies**

❑ **Constitution of National Inter-Ministerial/Inter-Sectoral Committees**

2 LMEs: Caribbean LME + North Brazil Shelf LME

dealing with CLME complexity:

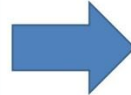
from sub-regional to fishery ecosystem-based approach for TDA development

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:

1. **Reef fisheries**
2. **Pelagic fisheries**
3. **Continental Shelf fisheries**



FAO EAF

Ecosystem-based Approach (EBA)

development of updated TDA's under the Full-Sized GEF Project:

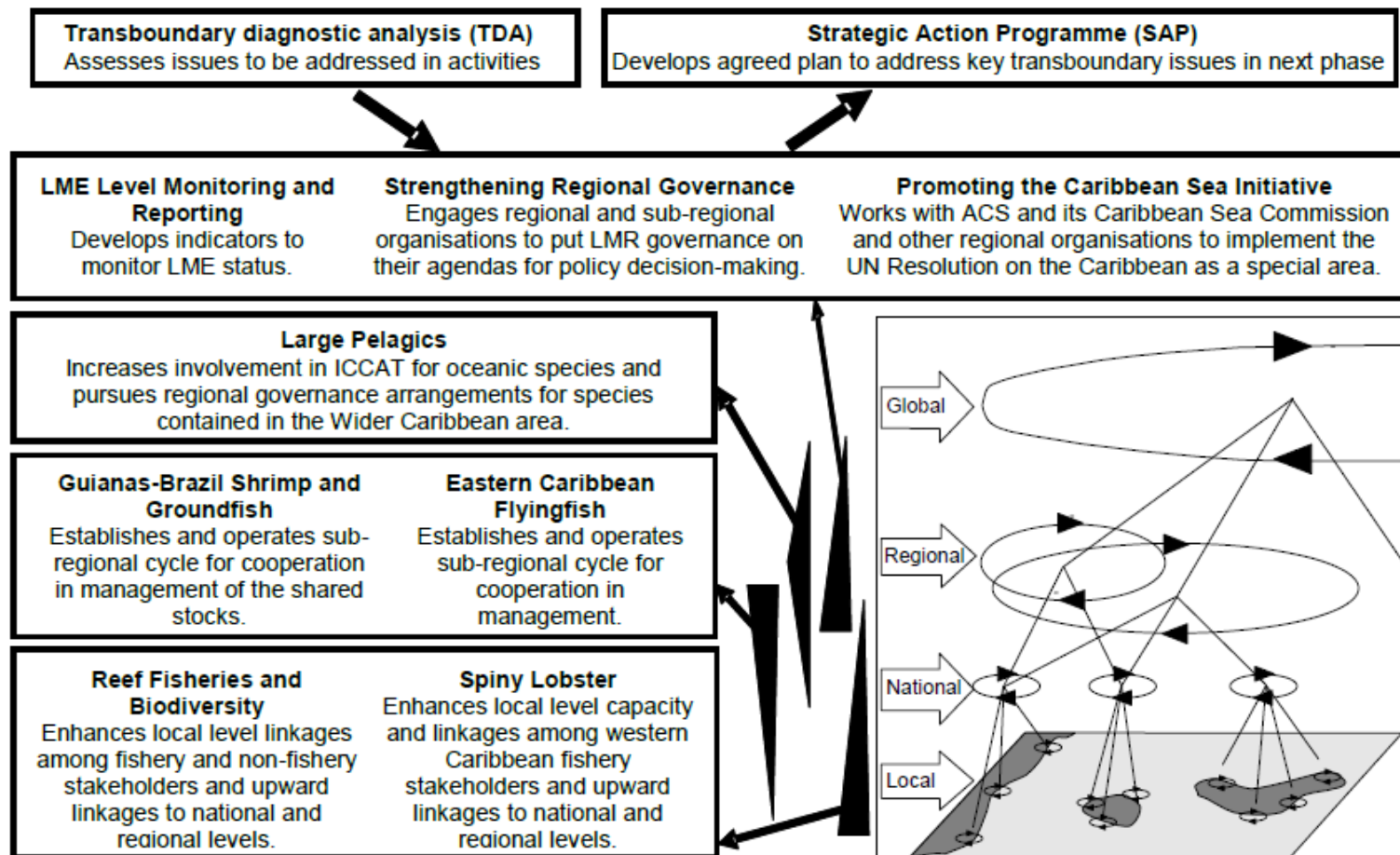
- ☐ Reef Fisheries TDA
- ☐ Large Pelagics Fisheries TDA
- ☐ Continental Shelf Fisheries TDA
- +
- ☐ Governance Framework TDA

Pilot Projects & Case Studies

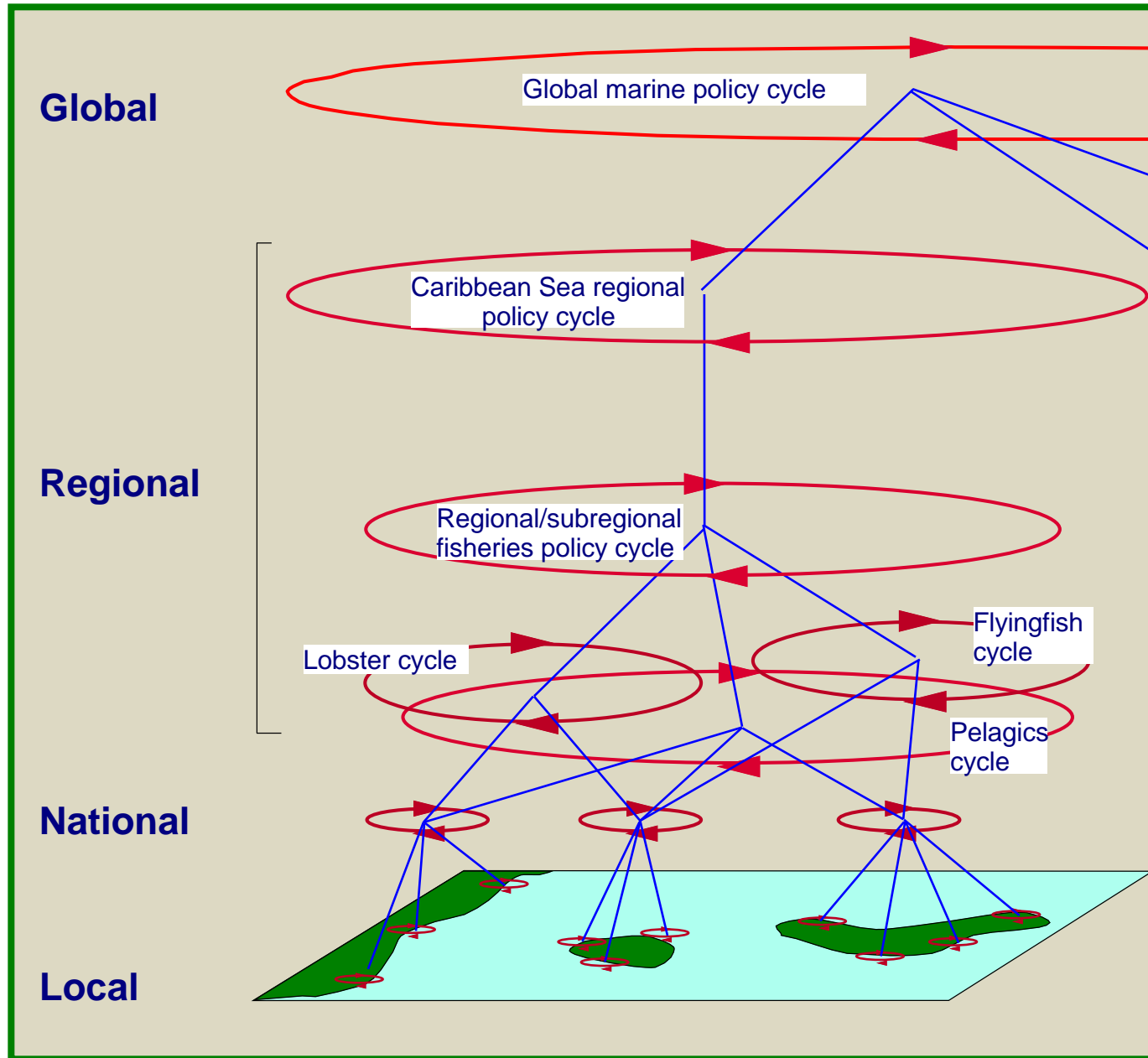
- ☐ Reef Ecosystem Fisheries & Biodiversity (UNEP)
- ☐ Spiny Lobster Fisheries (OSPESCA)
- ☐ Flying Fish Fisheries (CRFM)
- ☐ Large Pelagics Fisheries (CRFM)
- ☐ Shrimp & Groundfish Fisheries (FAO)
- ☐ IMS & REMP development (IOC UNESCO)
- ☐ Governance Framework (CERMES)

Proposed multi-scale governance framework with vertical & horizontal linkages among the different policy cycles

The CLME Project Approach: Building a multi-level policy-cycle based governance framework



Governance Framework for the Wider Caribbean



SWOT/TWAP Analysis

for each one of the policy cycles + horiz/vertic linkages:

☐ what's already ok?

☐ what shld be improved?

☐ where do immediate opportunities exist?

CLME focus:
regional & subreg
Fisheries ecosyst



Sustainable Management of the Shared Living Marine Resources of the Wider Caribbean																																					
		2006				2007				2008				2009				2010				2011				2012				2013				2014 →			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
CLME PDF B		DEVELOPM OF FULL PROPOSAL + 3 SUBREGIONAL TDA'S																										TOWARDS SAP IMPLEMENTATION									
CLME FSP														UPDATED, FISHERY ECOSYSTEM-BASED & REGIONAL TDA'S, PILOT PROJECTS & CASE STUDIES, GOVERNANCE FRAMEWORK, SAP DEVELOPMENT & ENDORSEMENT																							
GEF approval FSP																																					
																						↑ NOW															

CLME Project Components

- **Transboundary Diagnostic Analyses** **Finalized**
- **Pilot Projects and Case Studies** **Under developm**
- **Development of a proposed Regional Governance Framework** **Under developm**
- **Development of an IMS/REMP** **Initiated**
- **Strategic Action Programme** **Under developm**
- **Project Management** **Ongoing**

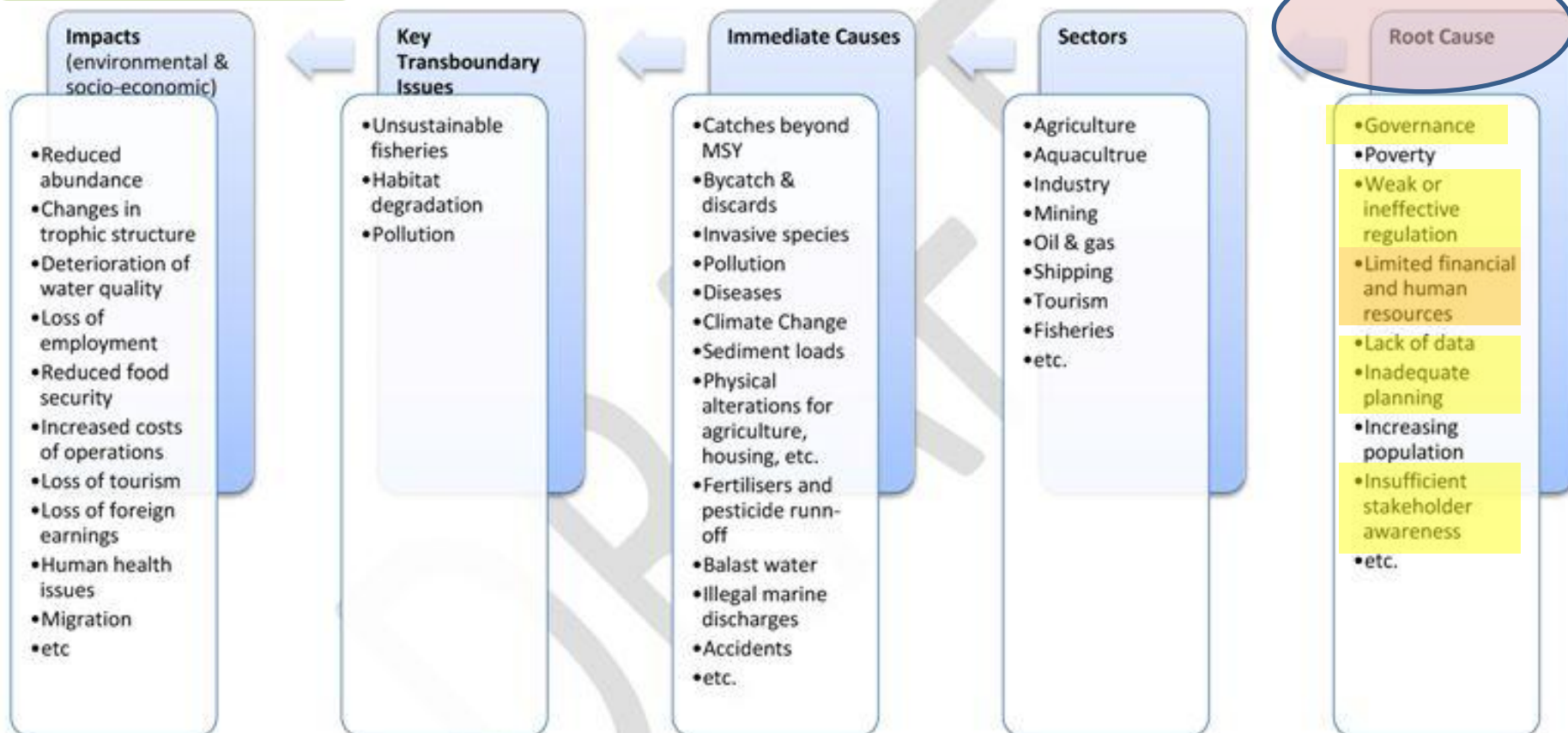
Causal Chain Analyses

ACTIONS OF CLME SAP

environmental & socio-economic impacts

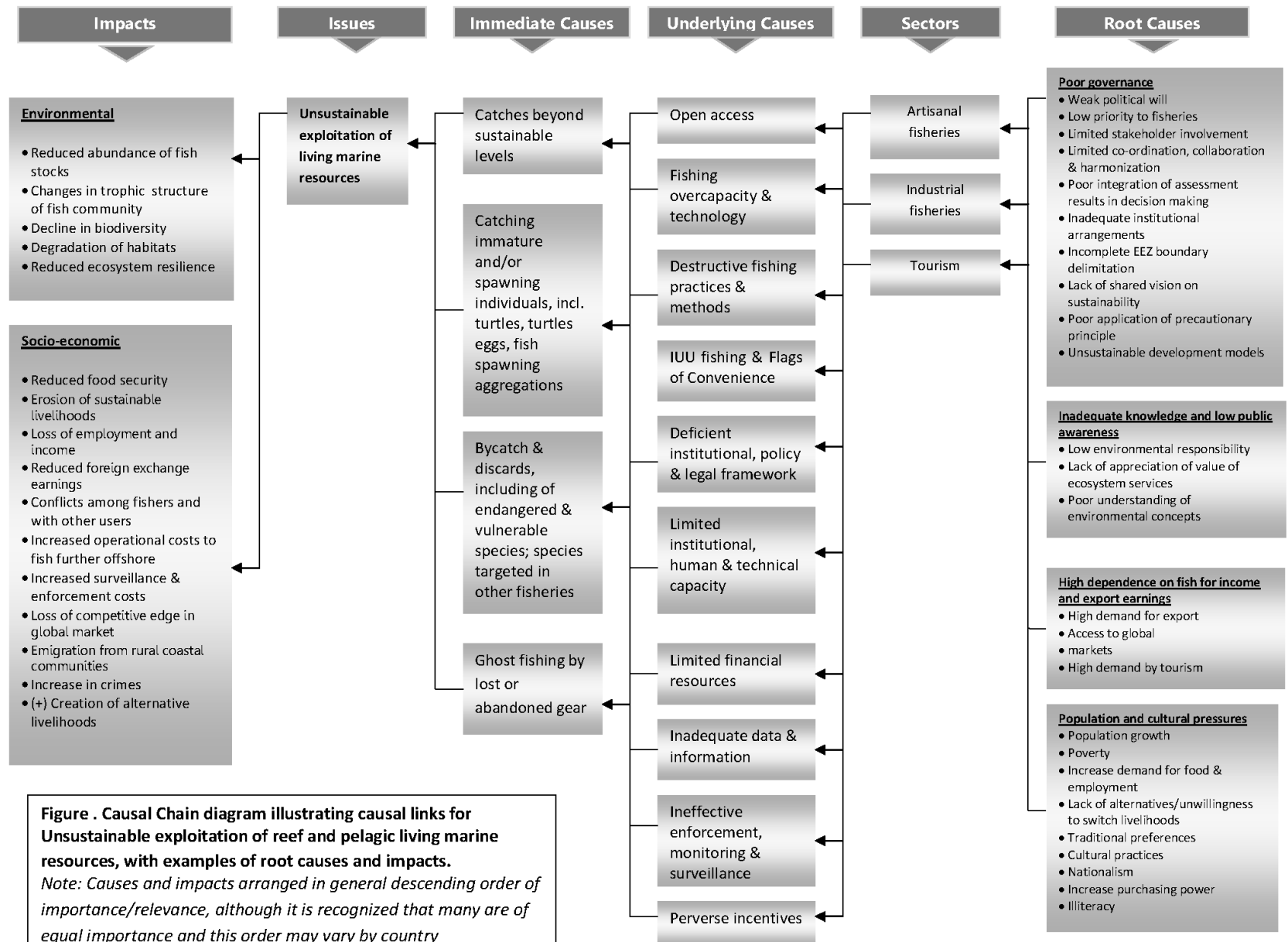
root causes

Figure 23. Simplified Casual Chain Analysis for the CLME

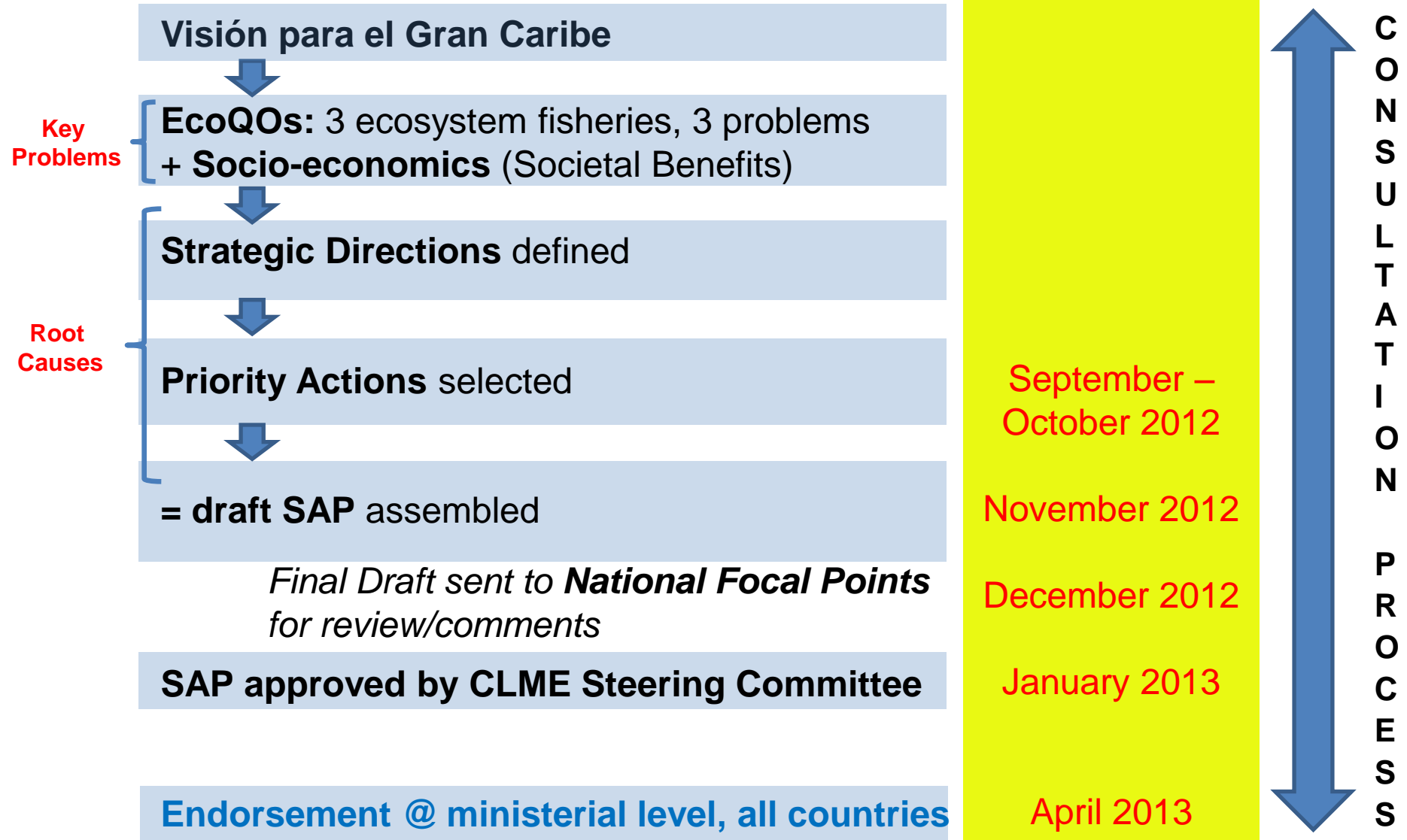


The above is an indicative summary of all the main causes etc. from the three fisheries ecosystems and the three Transboundary problems. Full details are presented in the Fisheries Ecosystems TDAs

TDA/Causal Chain Analysis



the SAP development process & TDA guidance



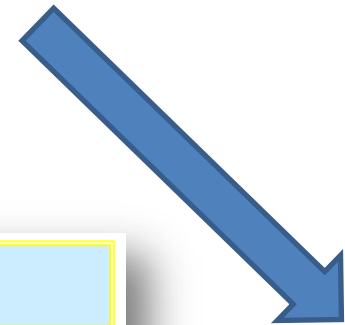
the CLME system: SAP development

CURRENT STATUS				
<div>Key Ecosystems</div>	Key Issues	Unsustainable Fisheries	Habitat Depredation & Community Modification	Pollution
	Reef (and associated) Fishery Ecosystems			
	Large Pelagic Fisheries Ecosystems			
	Continental Shelf Fisheries Ecosystems			

STRATEGIC DIRECTION			
<div>Key Ecosystems</div>	Key Issues	Unsustainable Fisheries	Habitat Depredation & Community Modification
	Reef (and associated) Fishery Ecosystems		

STRATEGIC DIRECTIONS				
Key Ecosystems ↓	Key Issues →	Unsustainable Fisheries	Habitat Depredation & Community Modification	Pollution
	Reef (and associated) Fishery Ecosystems			
	Large Pelagic Fisheries Ecosystems			
	Continental Shelf Fisheries Ecosystems			

ACTIONS			
<div>Key Issues →</div> <div>↓ Key Ecosystems</div>	Unsustainable Fisheries	Habitat Depredation & Community Modification	Pollution
Reef (and associated) Fishery Ecosystems			
Large Pelagic Fisheries Ecosystems			
Continental Shelf Fisheries Ecosystems			



Challenges for sLMR governance in WCR

- ❑ **WCR = geopolitically/culturally very complex**; most complex LME in the world
- ❑ **More than 30 RM organizations** already existing (overlaps, gaps,...)
- ❑ **Financial sustainability of governance arrangements**
- ❑ Fisheries = economically not most important; predominantly small-scale operations; **multitude of individual stakeholders** → **compliance = challenge**
- ❑ **Languages**
- ❑ 25+ countries: always somewhere **political changes**
- ❑ **knowledge gaps, information exchange**

CLME Project Challenges

- ☐ Small budget for such big GEF LME intervention (7 M\$)
- ☐ PCU Staffing
- ☐ Cost of travel in the region
- ☐ Communications!
- ☐ Website
- ☐ Languages: English, Spanish, Portuguese, French, Dutch, ...
- ☐ Bridging the science-policy gap / from theory to real world (\$?)
- ☐ Case Studies/Pilot Projects: linkage with the core project activities

CLME Project Challenges

- ❑ NFPs in different ministeries
- ❑ “establishment” of NICs
- ❑ SAP: generic statements versus concrete actions?

Good Practices

- ❑ Ocean Governance = very broad → **CLME focus on fisheries, EAF/EBM**
- ❑ **Fishery Ecosystem-Based TDAs**: 3 major fishery ecosystems covered
- ❑ **focus of CLME on weaker sector (fisheries)** – for other sectors may be easier to get actions financed through other means
- ❑ **Use of 3 x 3 x n matrix for structuring work**
- ❑ Inclusion of **Battery of Case Studies / Pilot Projects**
- ❑ Governance framework: **build around already existing organizations**, complement where deemed most necessary

Symposium vision for marine EBM in the Wider Caribbean

Healthy marine ecosystems in the Wider Caribbean that are fully valued and protected through strong institutions at local, national and regional levels providing effective governance that involves everyone, is fully understood and supported by the public, and enhances livelihoods and human well-being

This vision was assembled from the elements of the four individual visions that emerged in working group sessions for reef ecosystems, pelagic ecosystems, continental shelf ecosystems and governance (see over).



**Marine Ecosystem Based Management in the Caribbean:
an essential component of Principled Ocean Governance**

Regional symposium sponsored by the Nippon Foundation, organized by Dalhousie University, the International Ocean Institute and the University of the West Indies, held at the Cave Hill Campus, Barbados, 10-12 December 2008

**EBM symposium summary and messages for Caribbean
marine resource policy-makers and all other stakeholders**

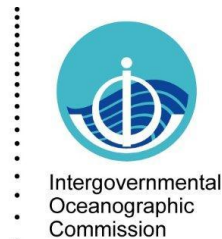
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Manejo Sustentable de los Recursos Vivos Compartidos del Gran Ecosistema Marino del Caribe y Regiones Adyacentes

última actualización 2012/05/17

CLME audiovisuales y noticias



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Los planes de Referencia subrayando el papel de los países y las agencias asociadas dentro del desarrollo del PAE, será distribuido próximamente

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Agencia Fundadora

El Fondo para el Medio Ambiente Mundial proporciona los fondos para el Proyecto CLME junto con la cofinanciación de otros países y socios internacionales



Agencias Implementadoras

El Programa de las Naciones Unidas para el Desarrollo y la Comisión Oceanográfica Intergubernamental de la UNESCO son corresponsables de la implementación del Proyecto a través de sus Oficinas Regionales



Agencia que Ejecuta

La Oficina de las Naciones Unidas de Servicios para Proyectos es responsable de la ejecución del Proyecto a través de la Unidad de Coordinación del Proyecto CLME, Cartagena, Colombia, con el apoyo de UNOPS HQ en Copenhague

Mapa de Visitantes

