



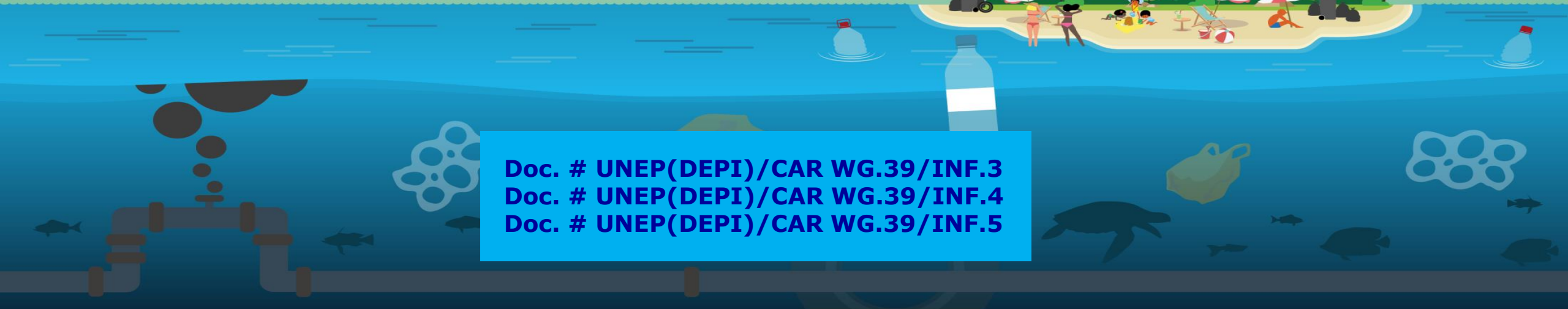
Fourth Meeting of the Scientific and Technical
Committee Meeting to the Protocol Concerning
Pollution from
Land-Based Sources & Activities (LBS)
(#LBSSTAC4)

Status of Implementation 2017~2018

Christopher Corbin
Panama City, Panama
18-20 July 2018
Christopher.Corbin@un.org



Doc. # UNEP(DEPI)/CAR WG.39/INF.3
Doc. # UNEP(DEPI)/CAR WG.39/INF.4
Doc. # UNEP(DEPI)/CAR WG.39/INF.5





1

Part

Overview



Cartagena Convention

Only Legally Binding, Regional Agreement for the Protection and Development of the Marine Environment of the Wider Caribbean Region

The Caribbean Environment Programme (CEP) was formally established by the Governments of the Wider Caribbean Region in 1981 and is now one of the oldest and most successful of the UN Environment administered Regional Seas Programmes.

The Cartagena Convention addresses coastal & marine environmental threats affecting the Wider Caribbean Region.

*Adopted in 1983, Entered into force 1986
25 (26) Parties*

Pollution from Oil Spills



Adopted in 1983
Entered into force in 1986
25 (26) Parties



Specially Protected Areas & Wildlife (SPAW)



Adopted in 1990
Entered into force in 2000
16 (17) Parties



Land Based Sources and Activities of Marine Pollution (LBS)



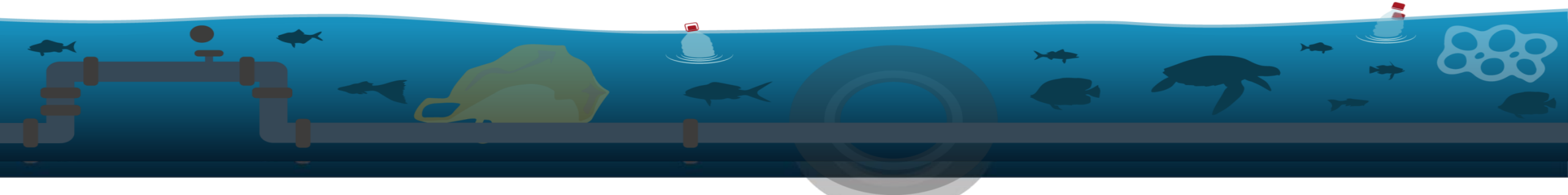
Adopted in 1999
Entered into force in 2010
13 (14) Parties



The three Protocols to the Convention identify additional obligations for the protection and development of the Caribbean Sea and are supported by four REGIONAL ACTIVITY CENTRES (RACs)

GOAL: Control, prevent & reduce pollution of the coastal & marine environment from land & marine-based sources & activities

Pollution Prevention & Reduction



Pollution Priorities: 2016-2018

Manage use of Marine and Coastal Resources

- Ecosystem based Management
- Ocean Acidification
- Microplastics
- Sargassum Influx
- Trash Free Partnership: US EPA, Peace Corps

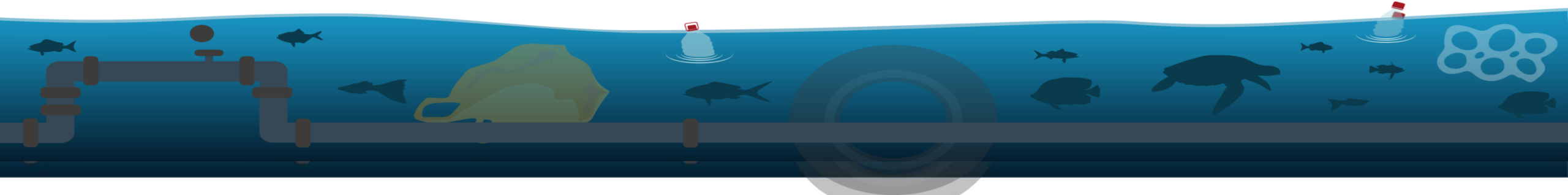
Collaboration: NGOs, CBOs, MEAs, International Financial Institutions, IGOs, UN Agencies & Private Sector

Global Programme of Action- LBS Protocol

- Caribbean Platforms for Nutrient Management, Wastewater & Marine Litter
- *New GEF Project Proposal on Marine Litter*

Capacity Building & Training

- Lab capacity Strengthening
- Coastal Water Quality Monitoring
- Water Resources Management
- State of the Convention Area Report (SOCAR) (State of Marine Pollution)
- Online Courses & MOOCs





Part 2 Programme Highlights

Highlights/1

10 new Fact Sheets & Infographics

New template for our Pollution
Newsletter <https://spark.adobe.com/page/uW077iQcaYkuM/>

Contributed to 5 Peer Reviewed
Publications on Pollution, Marine Litter &
Solid Waste

UN Human Security Trust Fund Project
for Jamaica (pilot)

Ratification of Cartagena Convention & LBS
Protocol by Honduras

Signed Host Agreement with TnT for RAC IMA

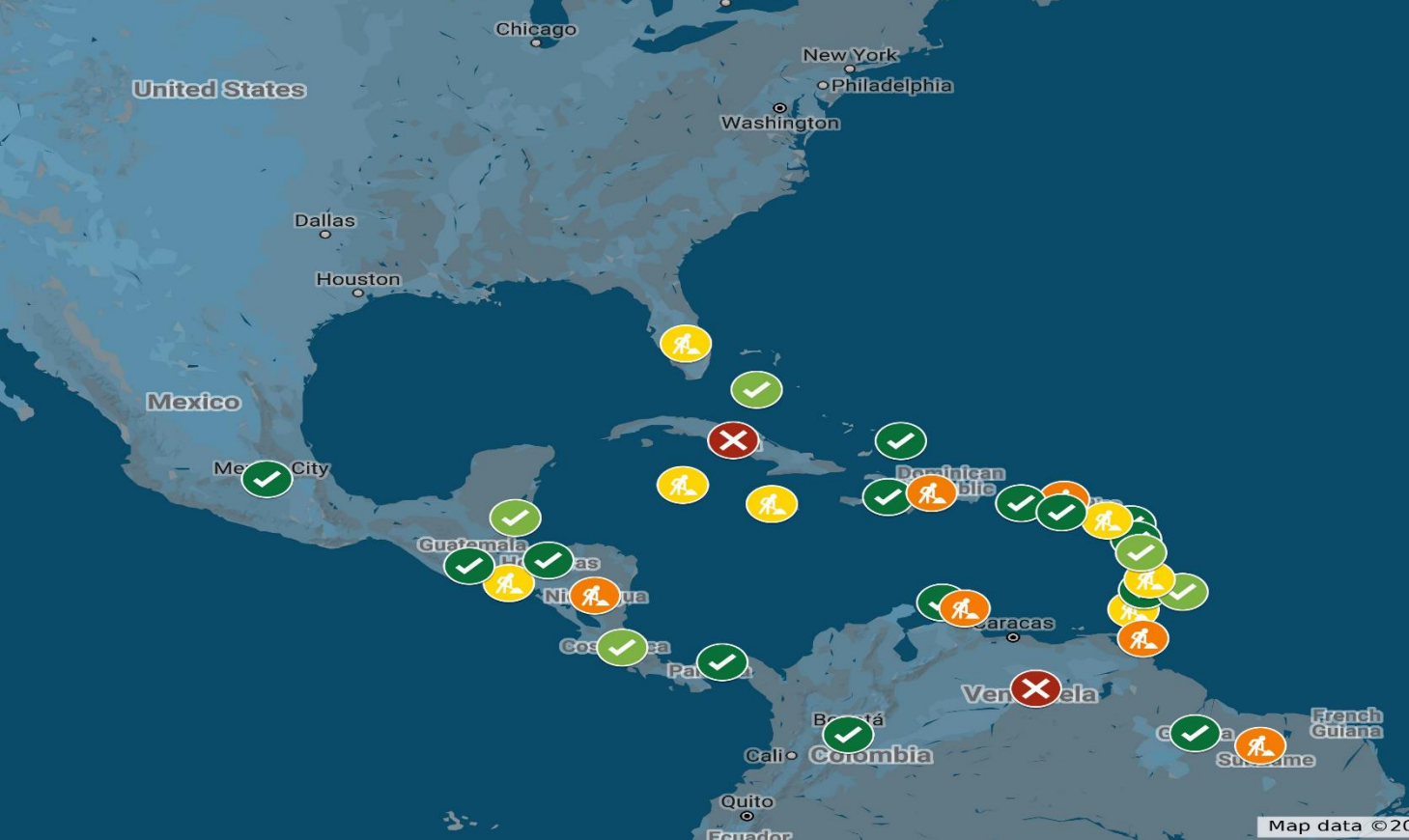
Private Sector Partnerships

IWEco: *PMU, 2nd PSC & finalized contracts with
countries & partners*

Interactive Map on Plastic Bans

https://drive.google.com/open?id=1AjpZsUQgmFbYcDNpXI0GMfL6vie-h_Ni&usp=sharing

Doc. # UNEP(DEPI)/CAR WG.39/INF.5
Doc. # UNEP(DEPI)/CAR WG.39/INF.14



presents
in support of World Environment & World Oceans Day 2017

JAMAICA

BE "PLASTIC AWARE"

Shopping Challenge



10 am- 2 pm
General Food Supermarket
 Liguanea
Thursday, June 8, 2017

Environmental Exhibitions
 Fun Plastic Challenges
 Prizes & Giveaways
 Have fun while you shop!

Thank you to our sponsors:
 The Canadian High Commission



THE NEW FOOD CHAIN

MICROPLASTICS TO FISH TO US

Highlights/2

Trash Free International:

Partnership with Sandals Foundation
Additional Resources for Panama

Caribbean Marine Litter Node:

Logo & Fact Sheet

New activities funded

Results of past projects showcased at
International Conference in San Diego

State of Convention Area Report

Approval of GEF CReW+ Proposal Concept (PIF)

Partnerships:

CARIRI in Trinidad & Tobago

Blue Innovation Institute in Grenada

CATHALAC: SOCAR

World Bank: Pollution Publication

IDB: CReW+

OSPAR: MPAs & Marine Litter

CEFAS: Marine Litter

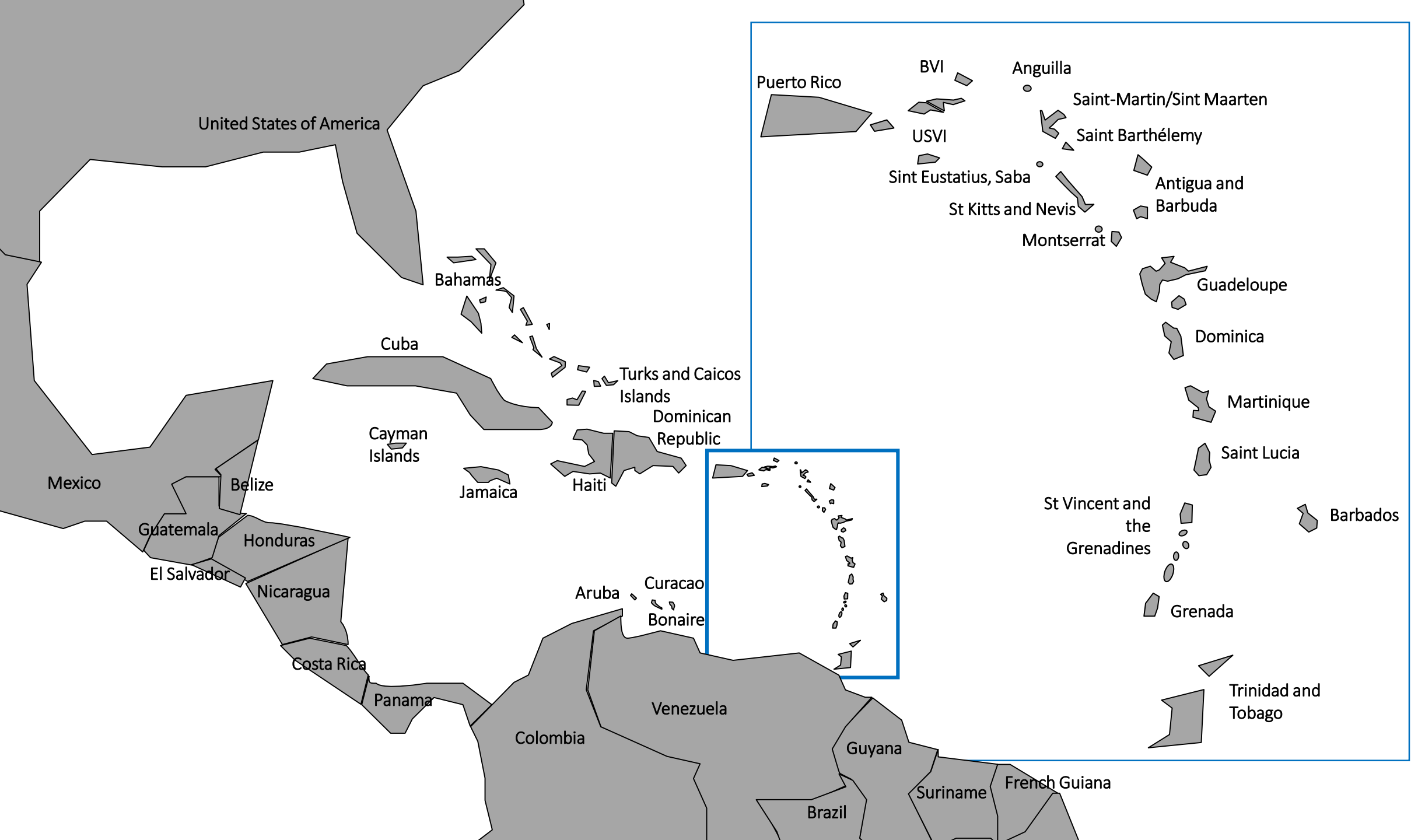
EBM Sub-Project & Regional Nutrients Strategy & Action Plan

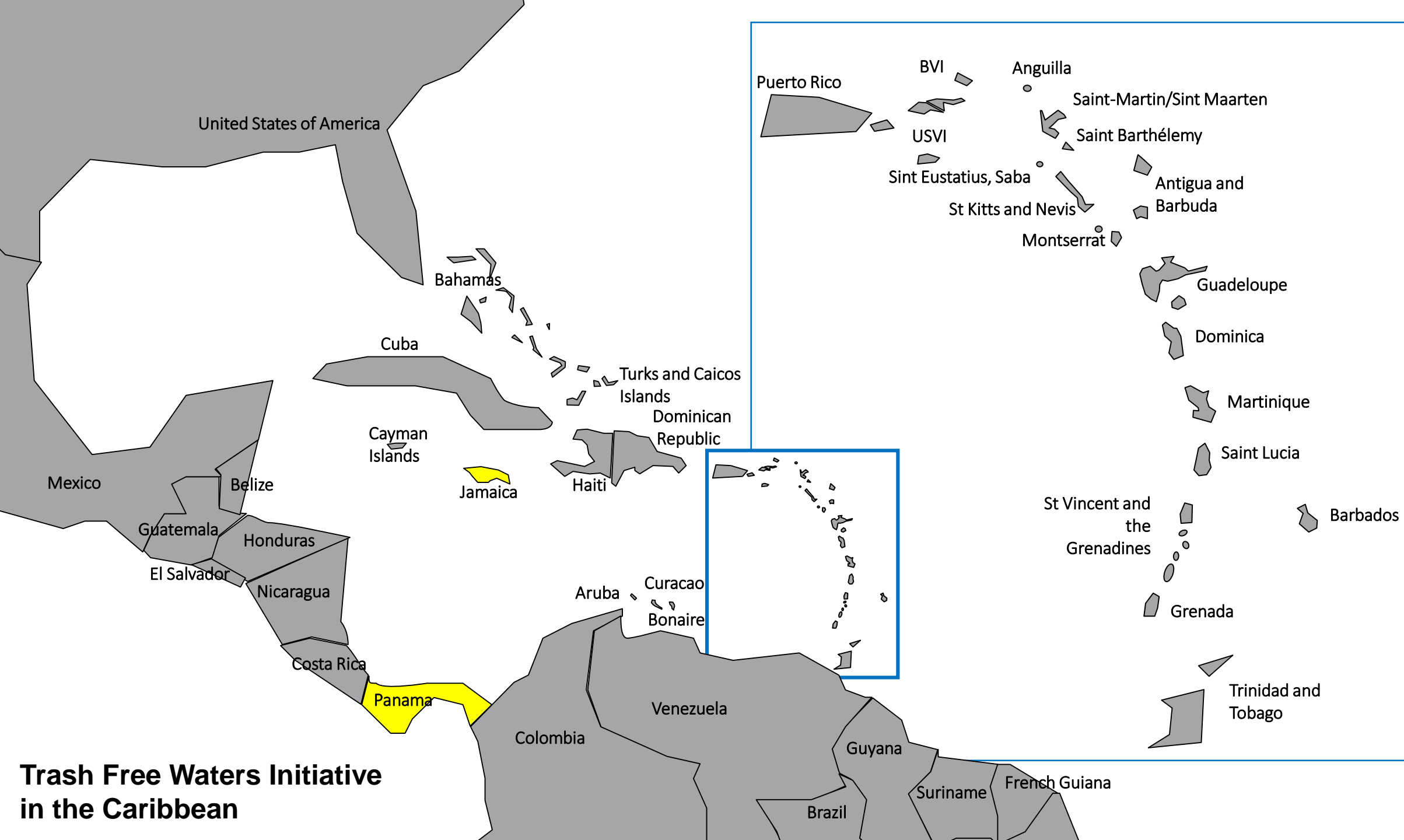
Doc. # UNEP(DEPI)/CAR WG.39/INF.15
Doc. # UNEP(DEPI)/CAR WG.39/INF.19

Highlights/3

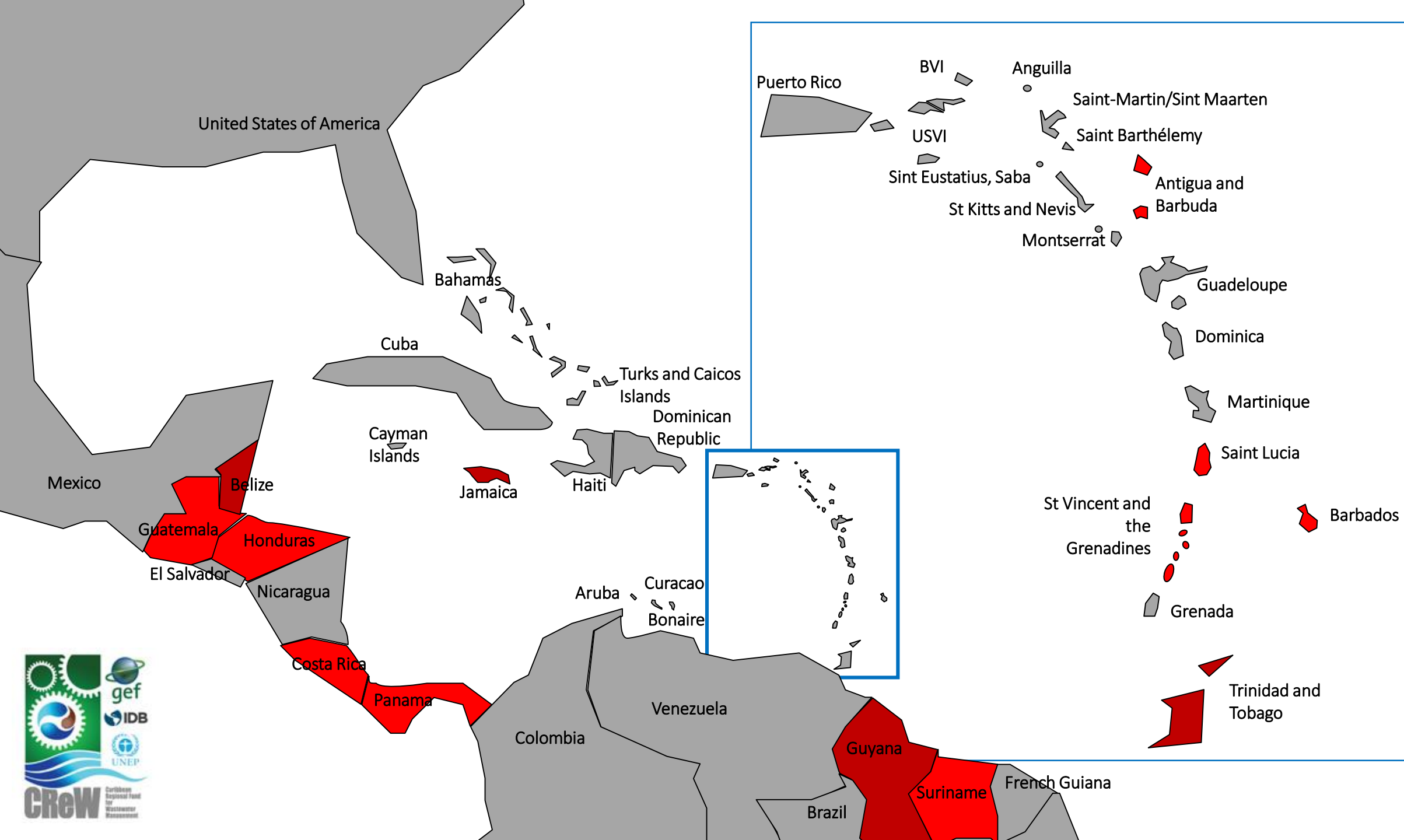
This feasibility Study was conducted by RAC/REMPEITC-Caribe for the possible development of a regional reception facilities plan for the small island developing States (SIDS) of the Wider Caribbean Region.

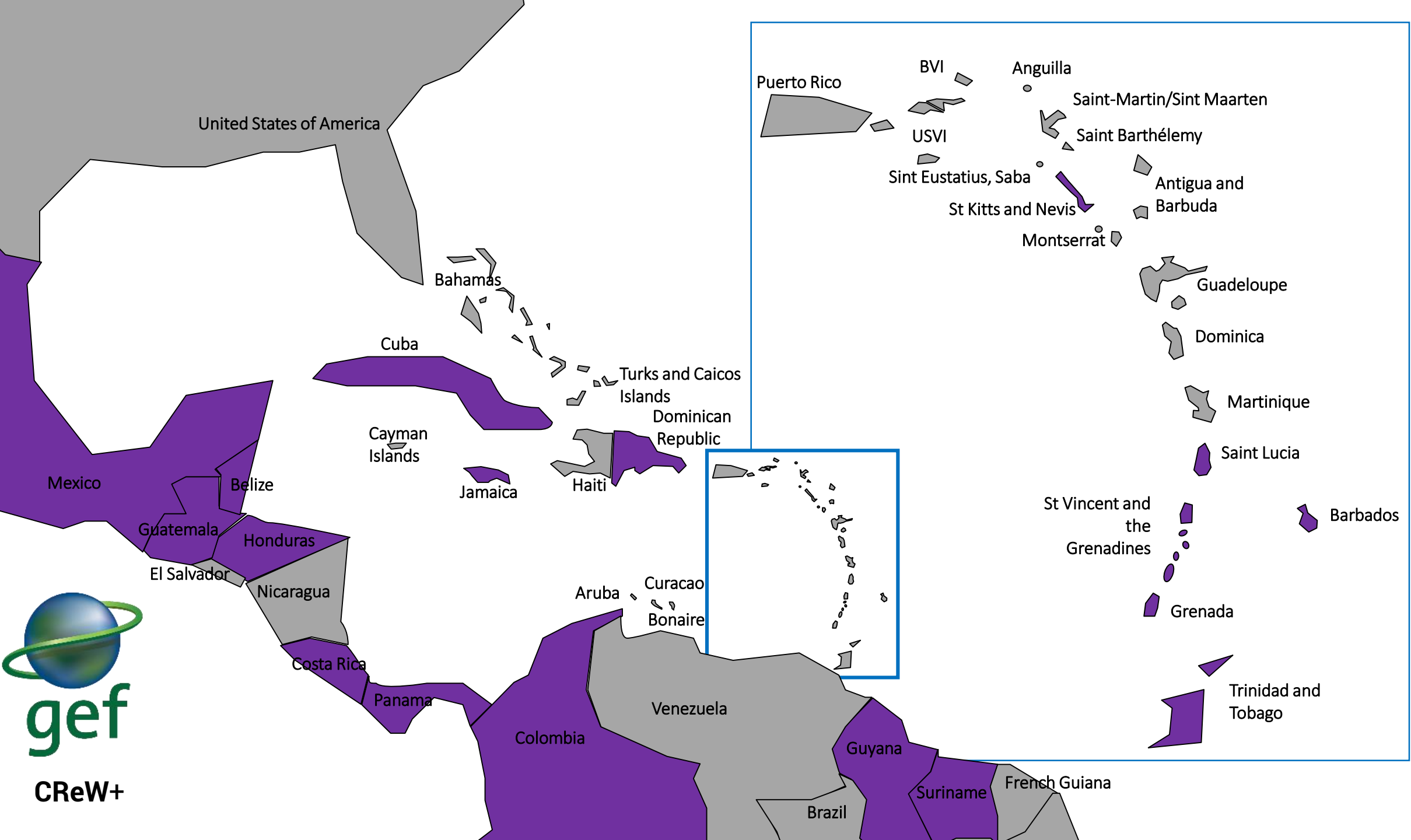
<http://www.racrempeitc.org/node/397>

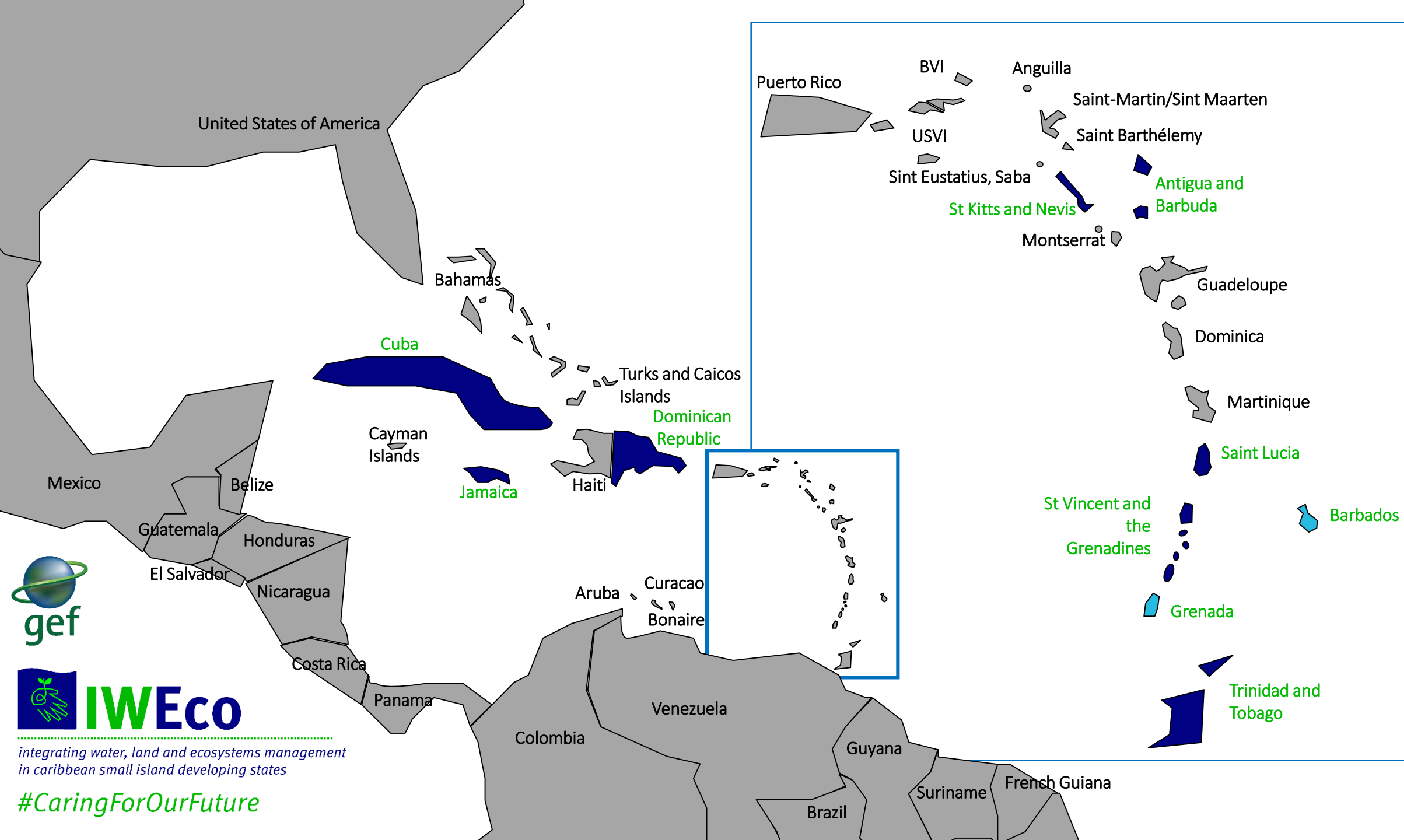




**Trash Free Waters Initiative
in the Caribbean**

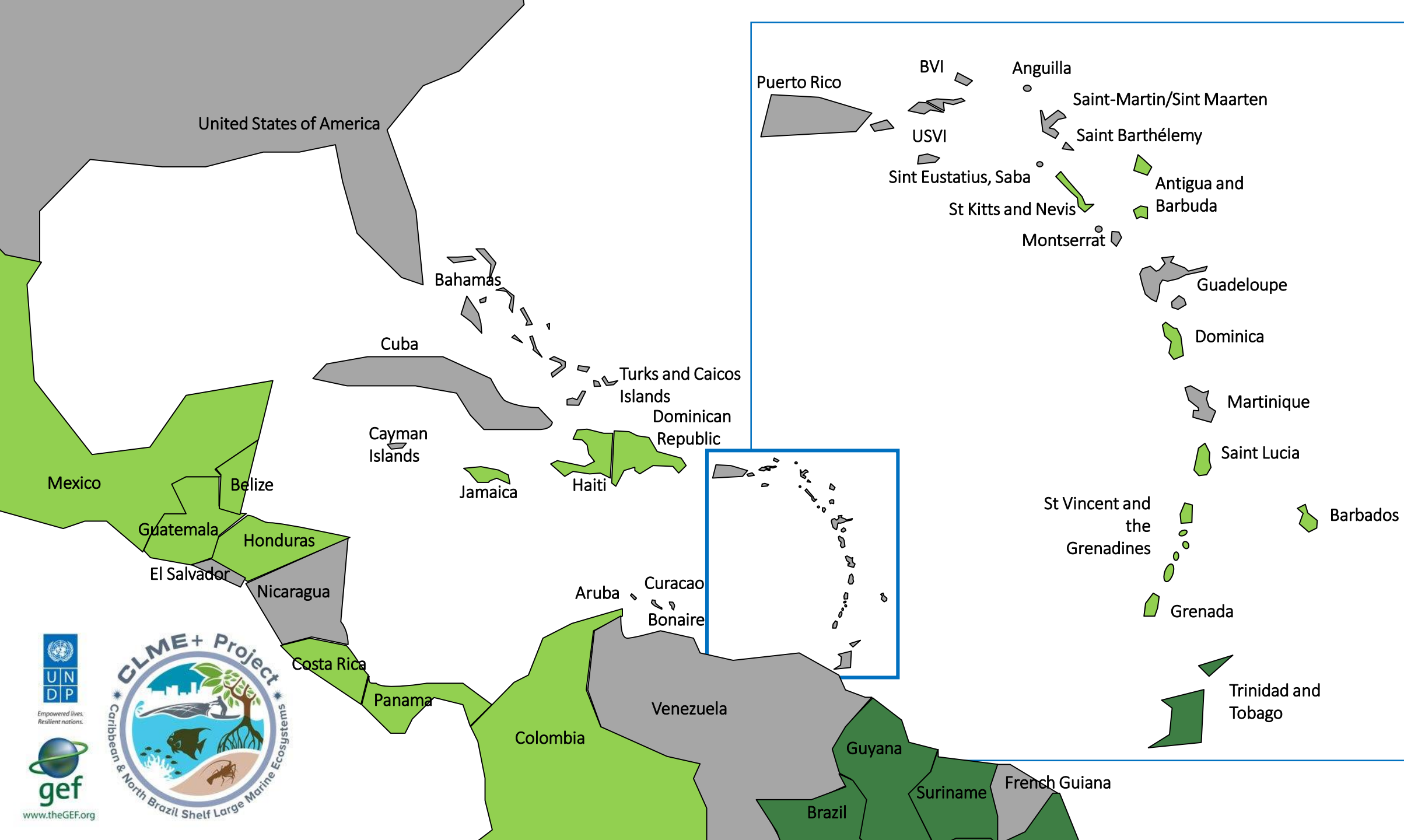




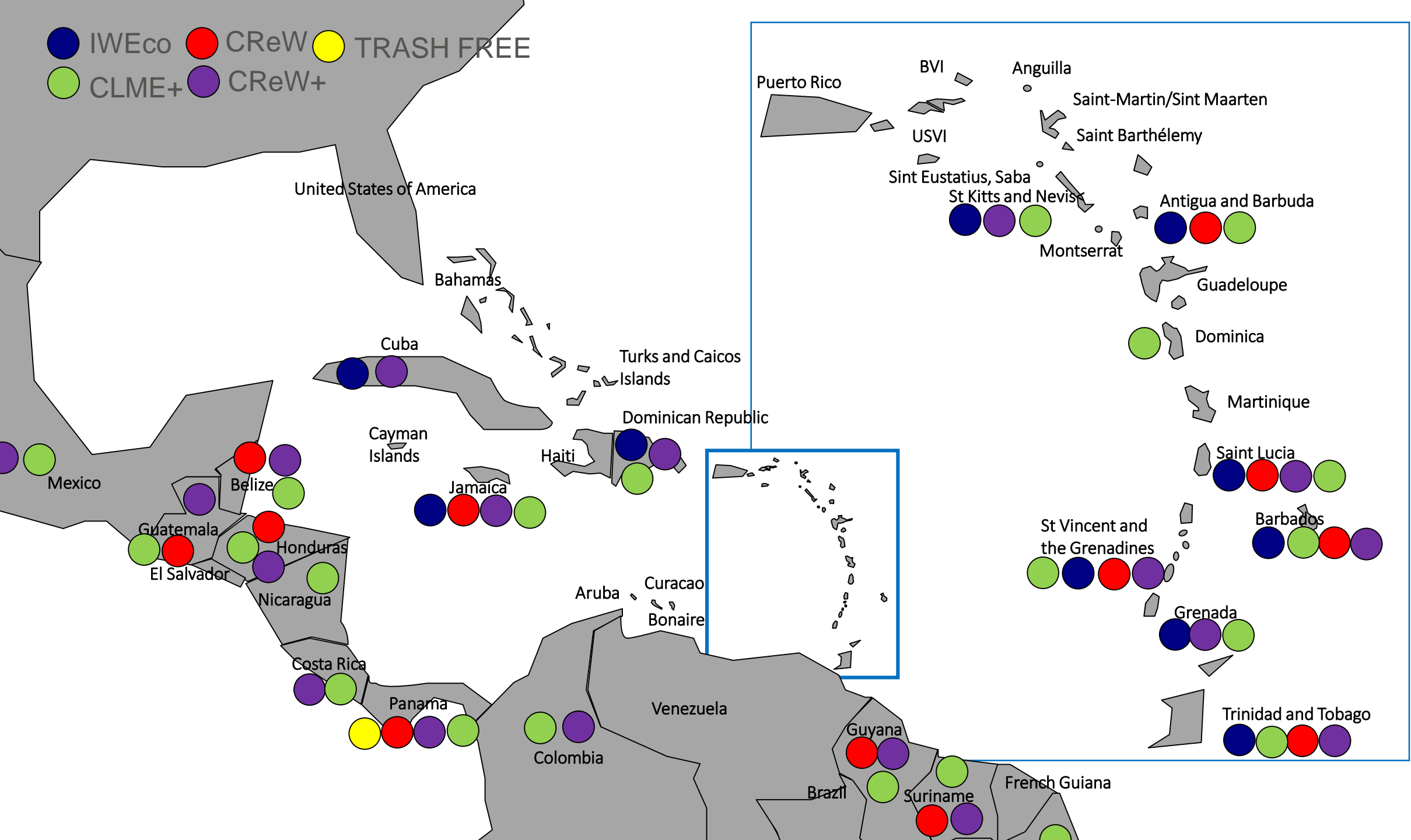


*integrating water, land and ecosystems management
in caribbean small island developing states*

#CaringForOurFuture

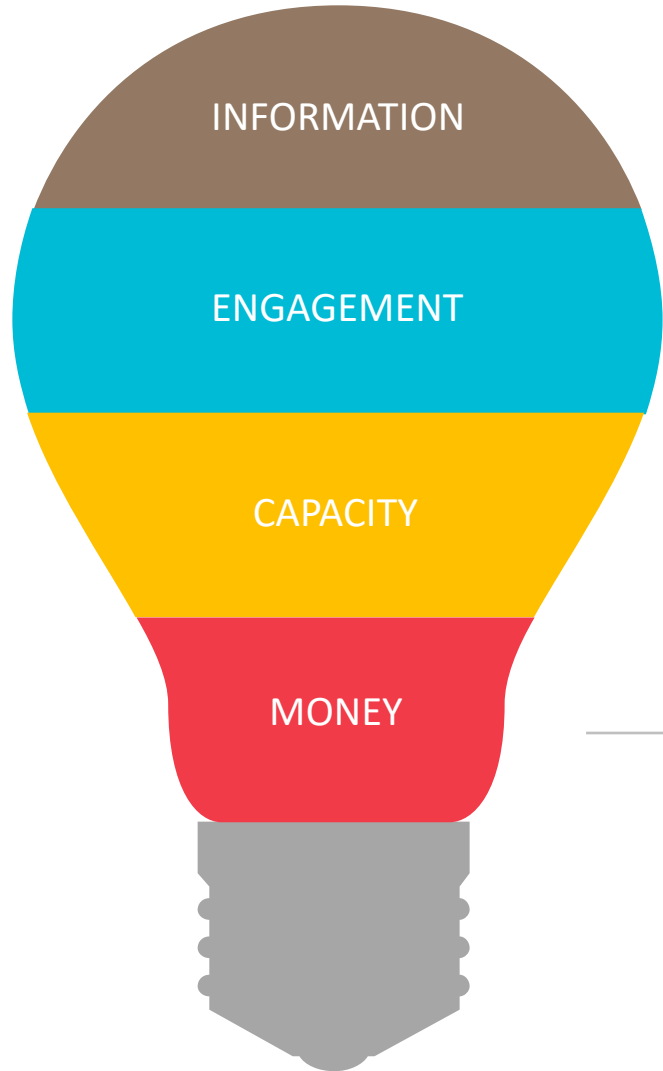


● IWEco
 ● CReW
 ● TRASH FREE
● CLME+
 ● CReW+





Part **3** Programme Coordination



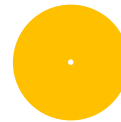
Information

Sharing of the achievements, lessons learned and best practices from our Contracting Parties and promoting technology exchange between all countries



Engagement

Governments, Private Sector, Civil Society and Academic and Research Institutions



Capacity

Training in Communications through GEF IWEco; Technical Presentations on Pollution as part of GPA organized MOOCs; Infographics, Tool Kits & Fact Sheets;

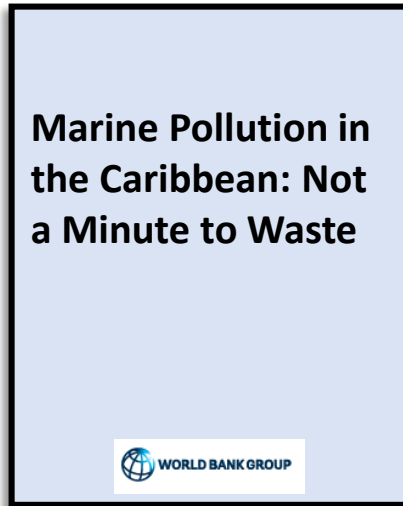
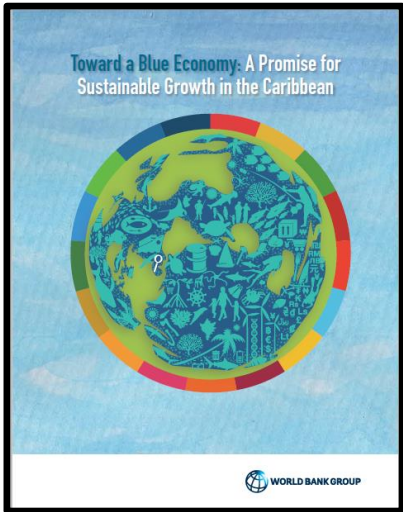


Money

Financial support from the Global Environmental Facility (GEF) Bilateral Donors such as USA, Sweden, Netherlands as well as through partnerships with Non-Governmental Associations and Development Banks

World Bank Forthcoming Report

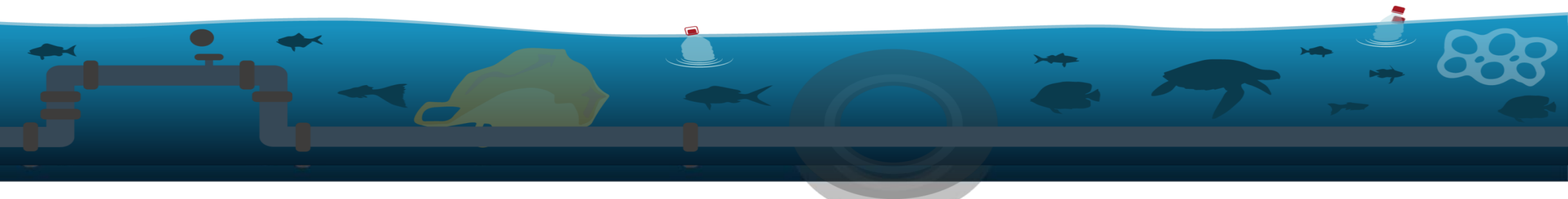
Marine Pollution in the Caribbean: Not a Minute to Waste



- Part of the Caribbean Blue Economy series of reports
- *Not a Minute to Waste* focuses on marine pollution as one of the key drivers of degradation of the regions' natural capital.
- Chapeau report highlights the main sources of marine pollution (coastal and marine litter, untreated wastewater, agric. runoff), impacts, and policy recommendations.
- Report aimed at policy and decision makers in the region.
- In partnership with UN Environment-CEP, OECS Commission, and CEFAS.

Programme Coordination

- ~15 Reports to UN Bodies, Donors & UN Environment
- ~20 National, Regional & Global Committees
- ~30 Regional Workshops & Meetings



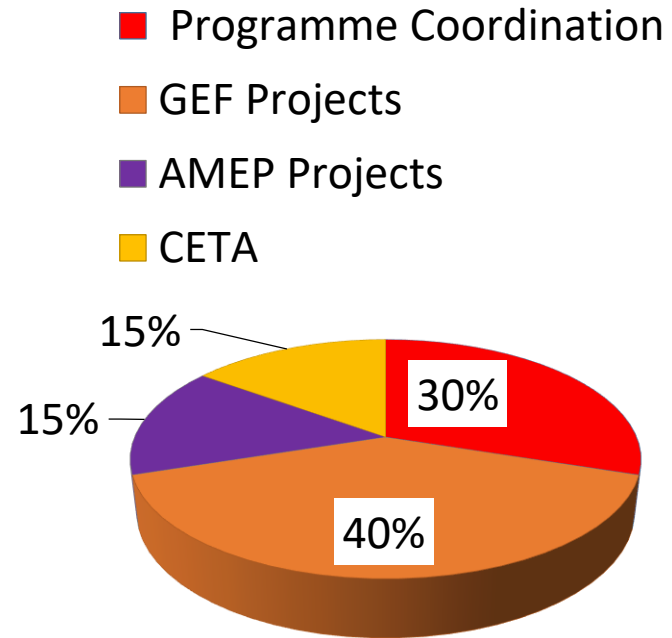
Personnel & Administration

Staff: 1 - 2 persons

Internships: 2

Contracts & Consultancies:
16 (*Projected to 25 by end of
2018*)

Staff Allocation according to Project/Activity



IGM, COP & STAC Decisions & Recommendations

State of Convention Area Report: *Process & Linkages*

Host Agreements: *RAC IMA; RAC CIMAB under discussion;*

Promote LBS Protocol Ratification: **Honduras**, *Haiti, Bds, St. Kitts-Nevis;*
Decision of the IWEco PSC,

Enhance Partnerships: *World Bank; IDB, Caribbean Development Bank; Maritime Industry; Sandals Foundation;*

Involvement with the GEF CLME+: *Integration of SPAW & AMEP;*

Resource Mobilization: *CRew+, OSPAR, UN Environment - GPA; UNHSTF*

Communication & Outreach: *New products*

Solid Waste Management & Monitoring & Assessment



Doc. # UNEP (DEPI)/CAR IG.38/4
Doc. # UNEP (DEPI)/CAR IG.38/5
Doc. # UNEP (DEPI)/CAR IG.39/6

SPAW/LBS Collaboration

- Joint Project Implementation:** *EBM Project in S. Caribbean & N. Brazil Shelf*
- Marine Litter:** *Caribbean Node (CEP & GCFI); OSPAR Collaboration*
- Sargassum:** *Linkages with Nutrients & Acidification; OECS Ministerial; IOC/UNESCP/NOAA Project on Sargassum & Oil Spills;*
- Joint promotion & information sharing:** *Website & Social Media*
- Strategy for CEP:** *Links to SDGs & Theory of Change*
- Collaboration between Regional Activity Centres:** *IOC UNESCO Project*
- Multi-focal area projects:** *GEF IWEco; GEF CLME+*



Agricultural value



Wastewater can serve as a non-conventional source of water for irrigation and as a source of organic fertiliser in agricultural production.

Seasonal Weather Advantage

Caribbean countries frequently experience droughts that have stunting impacts on food production, especially for farmers who depend on rains to water their crops. Treated wastewater is ideal for resource poor farmers living in drought prone areas and who depend on rain-fed agriculture and lessens their reliance on freshwater resources for irrigation.



The use of treated wastewater in agriculture also ensures a year-round, cost effective and rich supply of these nutrients that can eliminate a reliance on chemical fertilisers.

Why Recycled Wastewater

As many people move towards more organic food consumption, greater consideration is given to the nutritional value we will get from the food we purchase, where the food will come from and what goes into the production process.



During the wastewater treatment process, extracted sludge can be processed into fertilisers containing useful concentrations of nitrogen, phosphorus and organic matter that promote the healthy and more nutritious growth of food crops.

Fast Fact:
Irrigation from treated wastewater can potentially increase crop yields and lessen the reliance on chemical fertilisers.

- Data**
- 50% of the Caribbean works in the agricultural sector directly or indirectly.
 - 71% of freshwater withdrawn was used for agricultural irrigation and livestock production in 2014.

Rafique, L. Concept note: Wastewater in Agriculture.
World Bank. (2017). World Development Indicators: List A: America & the Caribbean: Annual freshwater withdrawal by agriculture. (2 of 2) (freshwater withdrawn). Available at: <https://data.worldbank.org/indicator/SH.UW.AGVS.ZS?locations=CA>. Retrieved on July 28, 2017.

CONTAMINANTS OF EMERGING CONCERN

Definition

Broadly defined as any synthetic or naturally occurring chemical or microorganism that is not commonly monitored in the environment but has the potential to enter the environment and cause known or suspected adverse ecological and/or human health effects. In some cases, release of emerging chemical or microbial contaminants to the environment has likely occurred for a long time, but may not have been recognized until new detection methods were developed. In other cases, synthesis of new chemicals or changes in use and disposal of existing chemicals can create new sources of emerging contaminants."

Origins

- Household cleaning agents
- paints, medicines including antibiotics given to animals
- fragrances
- pesticides
- food and other preservatives
- toiletries
- laundry detergents
- cosmetics
- and a range of other domestic and industrial products.

Sources

- Homes
- schools
- offices
- industries
- farms
- hospitals
- wastewater treatment facilities,
- hospitals
- factories



Environmental Health Impacts



POSSIBLE EFFECTS

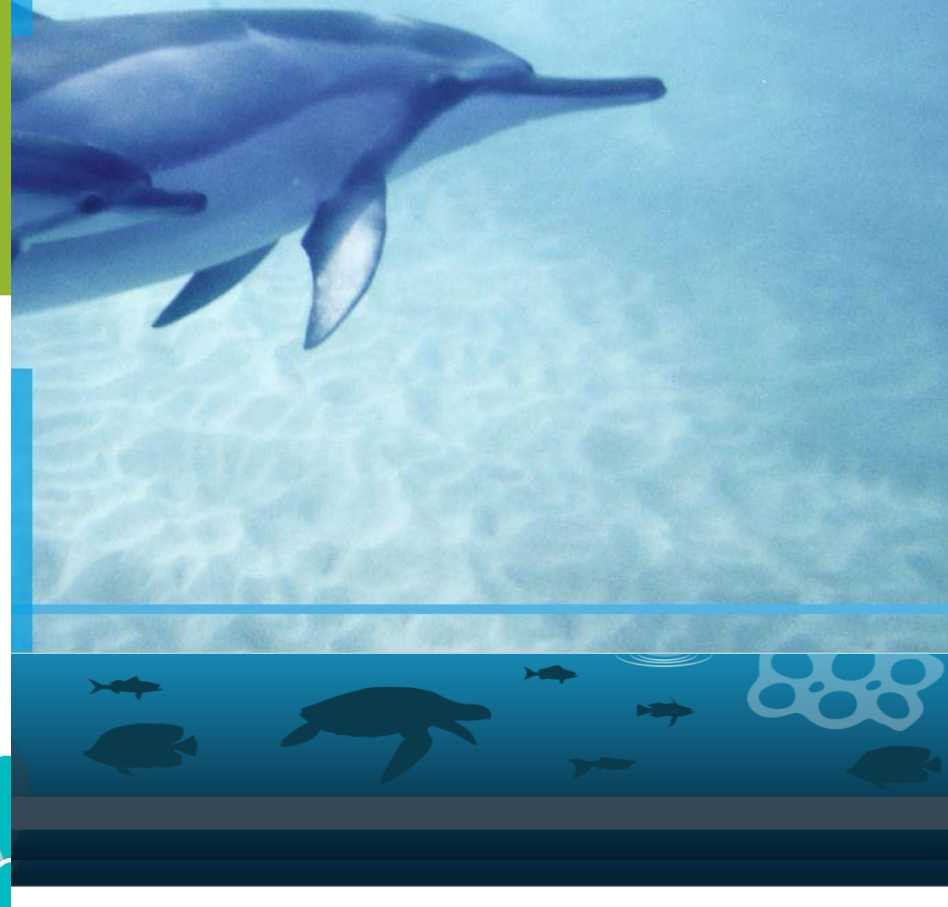
USE CATEGORY	WHERE HAS IT BEEN DETECTED?	SUSPECTED HEALTH EFFECTS FROM ENVIRONMENTAL EXPOSURE
ANTIBIOTICS	Groundwater, Surfacewater, wastewater treatment plant effluent, land applied biosolids, potable water, recycled water.	Antibiotic resistance in disease causing bacteria complicating treatment of infections
DISINFECTANTS	Wastewater treatment plant effluent, treated potable water, ground and surface waters, recycled water.	Genotoxicity, cytotoxicity, carcinogenicity
FIRE RETARDANTS	Rivers down gradient of landfills and PBDE manufacturing sites, sewage sludge, natural waterways, sediments, bioaccumulation in fish, whales and other aquatic organisms	endocrine disruption, indications of increased risk of cancer
INDUSTRIAL ADDITIVES	Industrial and household waste, soil	Can be toxic to animals, ecosystems and humans
LIFE-STYLE PRODUCTS (CAFFEINE & NICOTINE)	Potable water, groundwater and surface waters affected by sewage or wastewater treatment plant effluent.	Can cause cellular stress, negative effects on reproductive activity in animals
NONPRESCRIPTION DRUGS	Wastewater treatment plant effluent, surface water, potable water, recycled water	Unknown health effects
OTHER PRESCRIPTION DRUGS	Potable water, recycled water, groundwater, surface water wastewater, treatment plant effluent, land applied biosolids	Increased cancer rates, organ damage
PERSONAL CARE PRODUCTS	Groundwaters, surface waters, sewage, wastewater treatment plant effluent, biosolids, aquatic sediments, biological samples (bioaccumulated in fish tissues)	Bacterial resistance, endocrine disruption
PESTICIDES	Groundwater, surface water, potable water, recycled water	Endocrine disruption
PLASTICIZERS	Surface water	Endocrine disruption, increased risk of cancer
REPRODUCTIVE HORMONES	Surface waters, potable water, recycled water, wastewater	Endocrine disruption
SOLVENTS	Groundwater, soil, potable water	Endocrine disruption, liver and kidney damage, respiratory impairment, cancer
STEROIDS	Surface waters, groundwater, potable water, recycled water, wastewater, sewage, effluent, biosolids.	Endocrine disruption

Adapted from: Raghav, M., Eden, S., Mitchell, K. and Witte, B. (2013). Contaminants of Emerging Concern in Water. [newsletter]. Water Resources Research Center, College of Agriculture and Life Sciences, University of Arizona. Available at: https://wrrc.arizona.edu/sites/wrrc.arizona.edu/files/Arroyo2013LR_0.pdf. Accessed 9 August 2017.



THE CARTAGENA CONVENTION AND ITS PROTOCOLS

Promoting regional cooperation for the protection and sustainable development of the marine environment of the Wider Caribbean Region

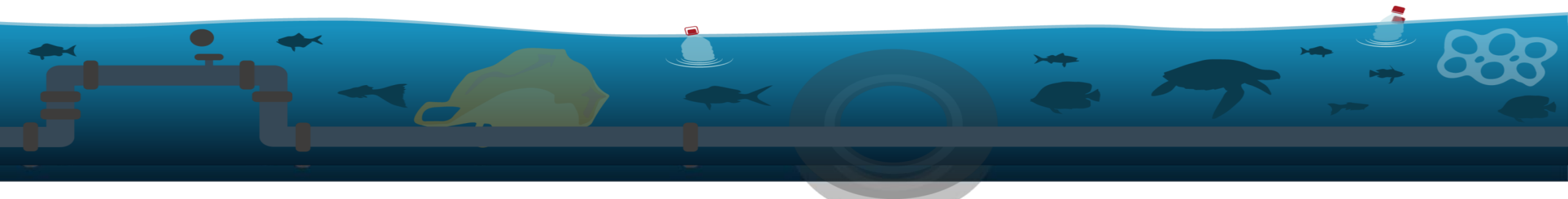




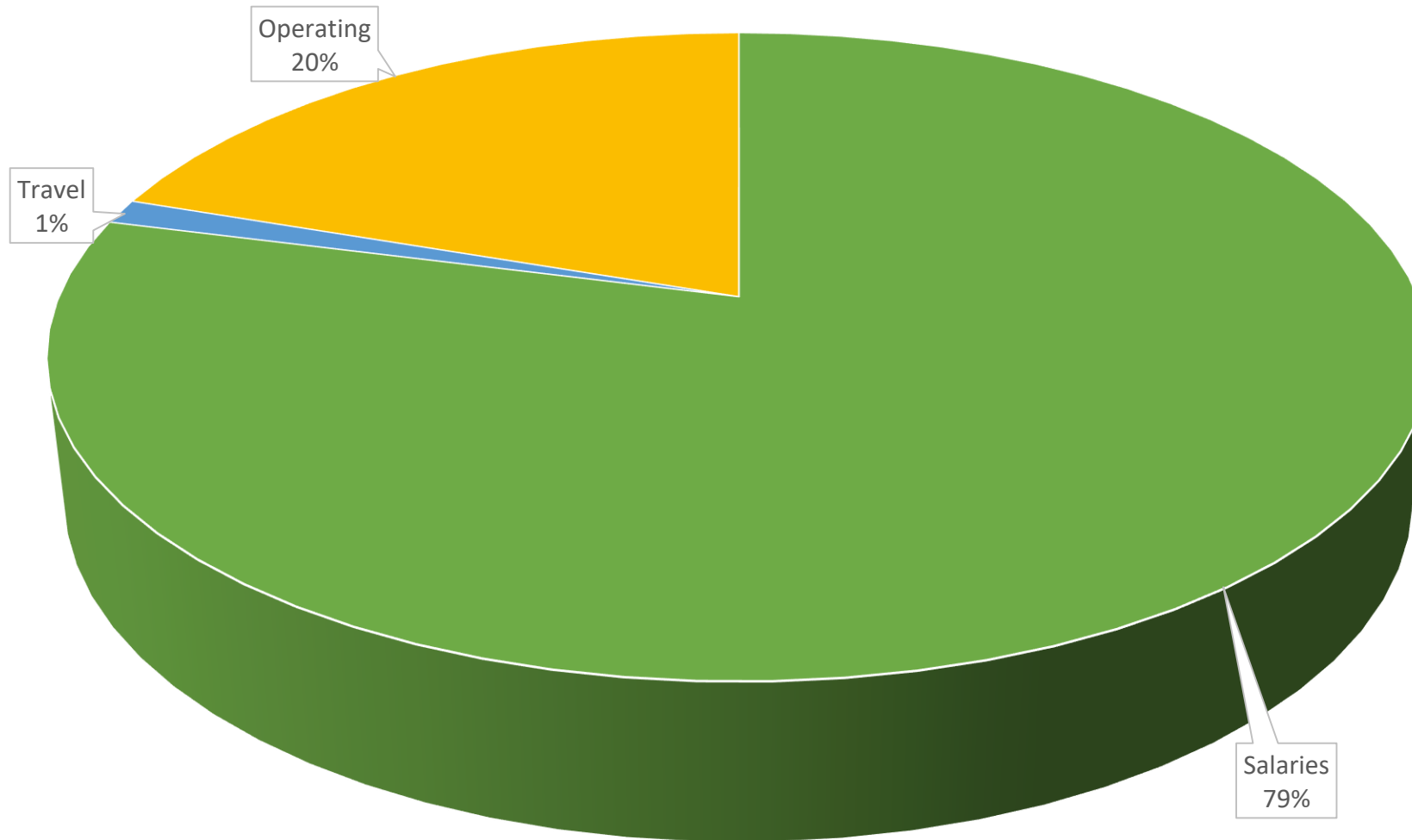
Part **4** Financial Management

Summary of Budget Expenditure (USD)

Source	Projected	Actual	Expenditure Jan 17-Jun 18
Trust Fund	1,092,000	550,000	405,000
GEF Grants	5,710,329	18,030,000	8,165,733
Other	180,000	60,000	60,000



Breakdown of Trust Fund Expenditure

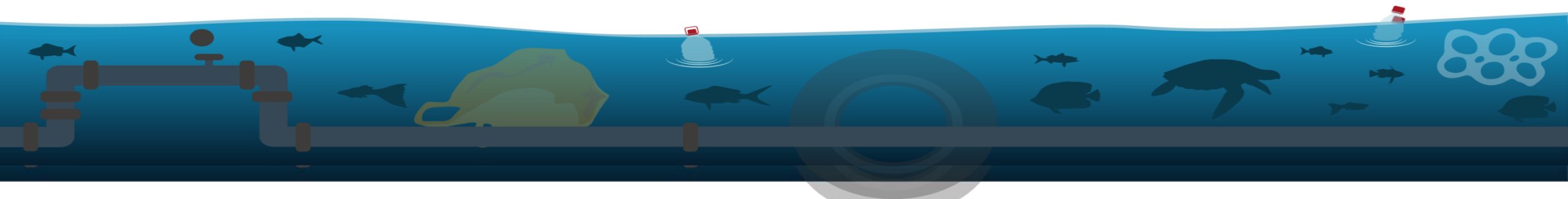


■ Salaries ■ Travel ■ Operating

Resource Mobilization

Mobilization:

- USD 50,000 - CReW+ Preparation
- USD 58,000 - Marine Litter (through Caribbean Node)
- USD 200,000 - UN Human Security Trust Fund Proj. (Jam)
- USD 120,000 - OSPAR Collaboration (MPAs & Marine Litter)



GEF Projects

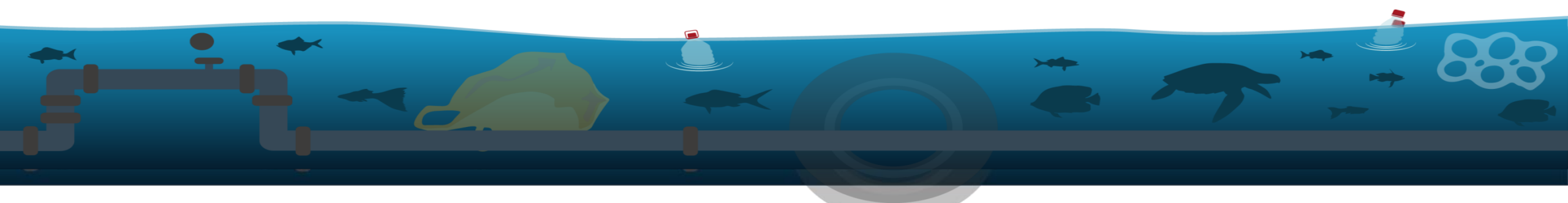
Monitoring & Assessment (Article III): *GEF CLME+ & IWEco*

Wastewater Management (Annex III): *GEF CReW+*

Waste/Litter Management (Annex 1): *Trash Free Partnerships; Caribbean Node for Marine Litter; OSPAR*

Watershed Management (Annex IV): *GEF IWEco, UN Project for Jamaica*

National Programmes of Action (Multiple): *GEF CLME+ - EBM Sub-project*



Part 5 GEF Projects



Welcoming 18 countries to our regional approach

CRew+



Component 1:

Institutional, policy, legislative and regulatory reforms for **Integrated Water and Wastewater Management (IWWM)**.

*CRew+ will implement innovative technical **small-scale solutions** in the Wider Caribbean Region using an integrated water and wastewater management approach building on sustainable financing mechanisms piloted through the Caribbean Regional Fund for Wastewater Management.*

Component 2:

Sustainable and tailor-made **financing options** for urban, peri-urban and rural IWWM.

Component 3:

Provision of innovative small-scale, local, rural, peri-urban and **community-based solutions** for IWWM.

Component 4:

Knowledge Management and Advocacy on the importance of IWWM in order to achieve the **Sustainable Development Goals**.

Doc. # UNEP(DEPI)/CAR WG.39/INF.7





UNEP CEP



Focal Point: Christopher Corbin – Programme Manager

Presenter: Christopher Corbin

Status: Ongoing

Achievements to date:

C2.1.1: State of the Convention Area Report (SOCAR) Workshop (.2) & Report/Indicators (.3)

C4.1.6: Promotion of IWEco (.1); Professional Exchanges - Cuba, Jamaica (.2)

C5.1.1: Staff & Consultant Recruitment; Contracts signed; (.1); Communication (.2)

Indicative Budget:

USD 283,850

Co-financing: ~USD 150,000



Timeline:



Highlights of the Our Support to GEF IWEco Project

- 3 Media Releases
- 6 Web Stories
- 1 Video on Project Approval
- Features in Pollution Quarterlies
- 2 Posters



Doc. # UNEP(DEPI)/CAR WG.39/INF.9
Doc. # UNEP(DEPI)/CAR WG.37/INF.9/REV 1

Integrating Water, Land and Ecosystem Management in Caribbean Small Island Developing States - GEF IWEco

GEF IWEco is a five-year regional multi-focal area project financed under the GEF Focal Areas: International Waters, Land Degradation, Biodiversity, Sustainable Forest Management and the GEF Small Grants Programme.

Latest Project News

- Project Cooperation Agreements being finalized with all participating Governments
- Successful meeting of Communication Partners held in Havana, Cuba
- We have begun recruitment of all project staff which should be completed by June 2017
- GEF IWEco supports efforts to development State of Convention Area Report for the Wider Caribbean Region.

Inception Workshop and 1st Project Steering Committee Meeting



*integrating water, land and ecosystems management
in caribbean small island developing states*

GEF IWEco Project: Presentation and latest updates

Jan Betlem – Regional Project Coordinator

#CaringForOurFuture

SUMMARY

The presentation

1 IWEco Overview
Overview of the Project

2 Map of the Project
The countries involved

3 Project Objective
The objective of the Project

4 Project Components
Presentation of all the Components of the Project

5 Sustainable Development Goals faced
IWEco and the Agenda 2030

6 Budget Overview
Overview of the entire budget of the Project

7 Status of PCAs
Description of the status of the Project Collaboration Agreements

8 Commitments and Expenditure (June 2018)

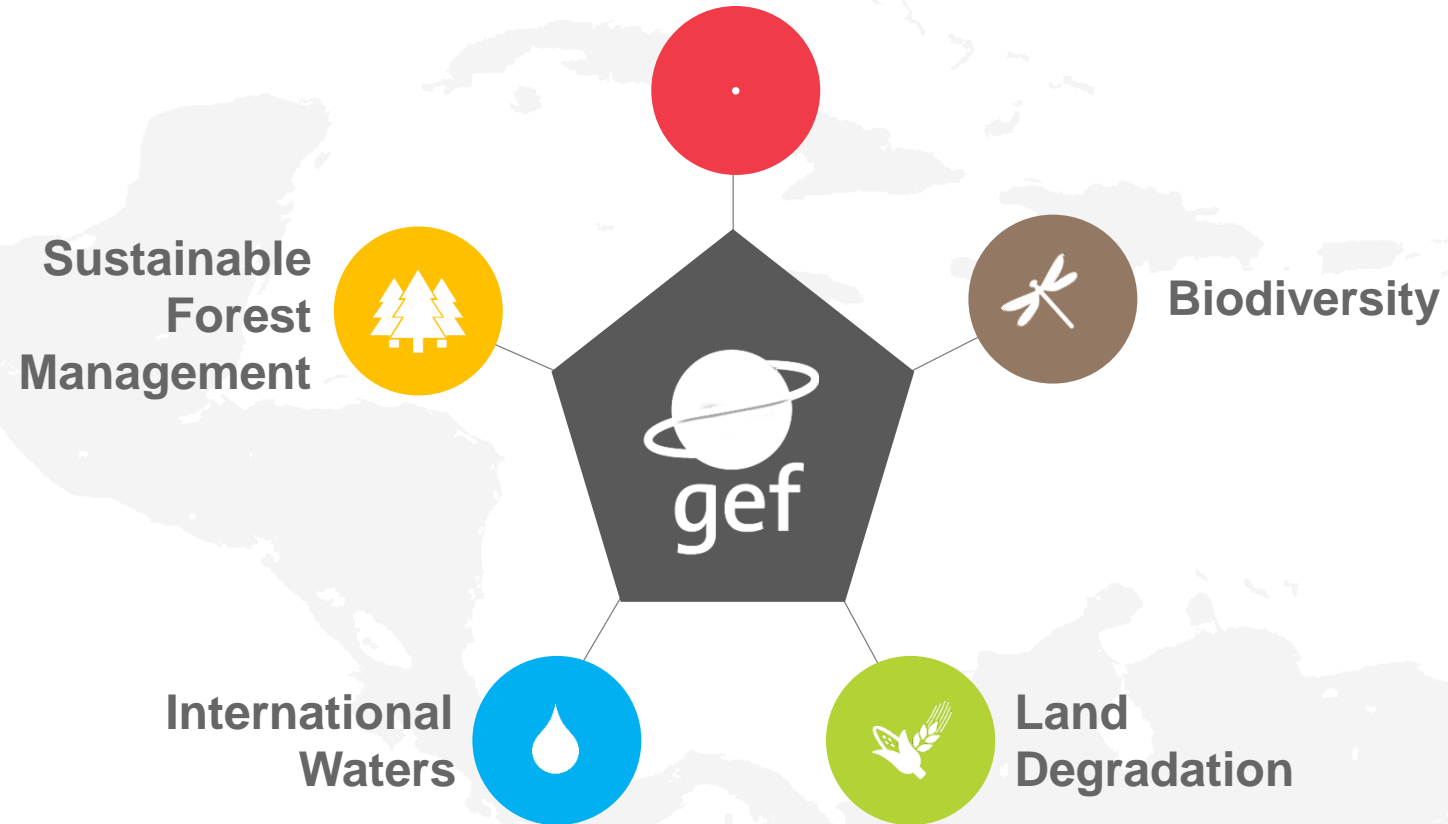
9 Recruitments and next steps





The Integrating **W**ater, **L**and and **E**cosystems Management in Caribbean Small Island Developing States is a five-year multi-focal area regional project.

Small Grants Programme



IWEco Overview



The Integrating **W**ater, **L**and and **E**cosystems Management in Caribbean Small Island Developing States is a five-year multi-focal area regional project.

IWEco is the continuation of IWCAM Project, which finished in 2011:



*integrating water, land and ecosystems management
in caribbean small island developing states*

#CaringForOurFuture

GEF - IWCAM

Integrating Watersheds and Coastal Area
Management

2006-2011

GEF - IWEco

Integrating Water, Land and Ecosystems
Management in Caribbean SIDS

September 2016 – September 2021

Map of the Project



National Projects



Regional contribution



Participating Countries:

National Projects:

- Antigua and Barbuda
- Cuba
- Dominican Republic
- Jamaica
- St Kitts and Nevis
- St Lucia
- St Vincent and the Grenadines
- Trinidad and Tobago

Regional contribution:

- Barbados
- Grenada

Cuba

Jamaica

Dominican Republic

St Kitts and Nevis

**Antigua and
Barbuda**

St Lucia

Barbados

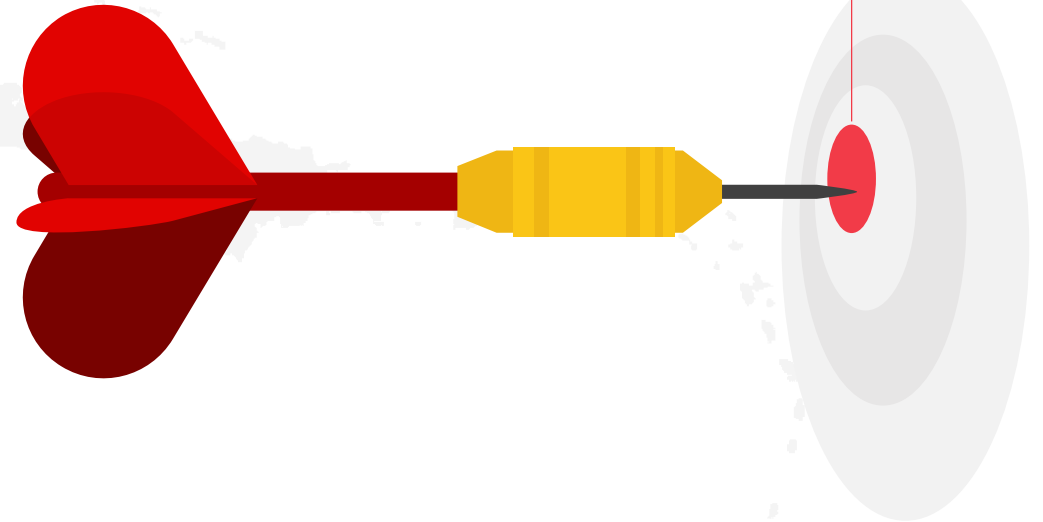
St Vincent and the Grenadines

Grenada

**Trinidad
and
Tobago**



To contribute to the preservation of **Caribbean ecosystems** that are of global significance and the sustainability of livelihoods through the application of existing proven technologies and approaches that are appropriate for **small island developing states** through improved fresh and coastal **water resources management,** sustainable **land** management and sustain-able forest management that also seek to enhance resilience of socio-ecological systems to the impacts of **climate change.**



Project Components

Develop and foster implementation of targeted Innovative, climate-change resilient approaches



I Component

Strengthen water, land and ecosystems resources Monitoring, and Indicators frameworks

II Component

Strengthen policy, legislative and institutional reforms and capacity building

III Component

Enhance knowledge exchange

IV Component

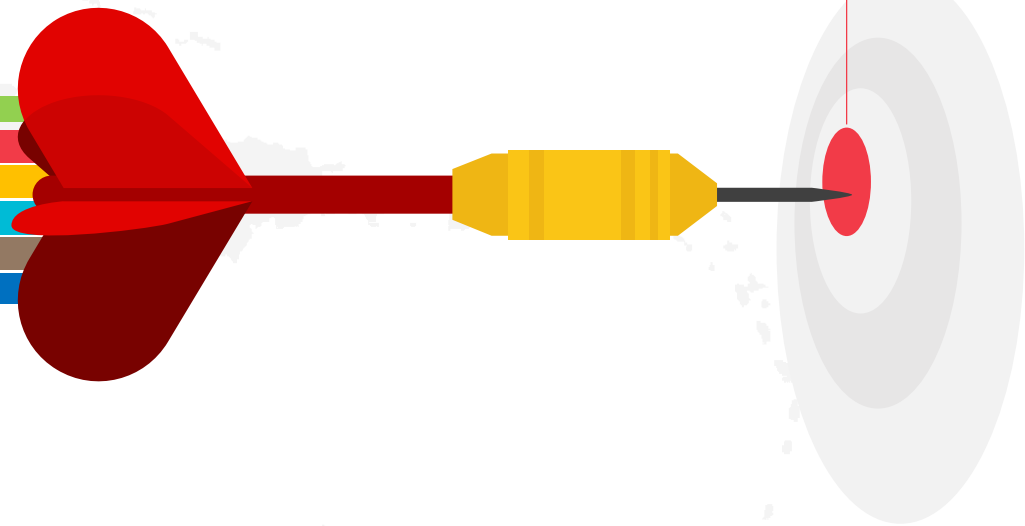
Project management

V Component

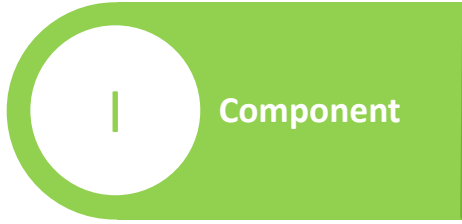
Mid term review and terminal evaluation for the project

VI Component

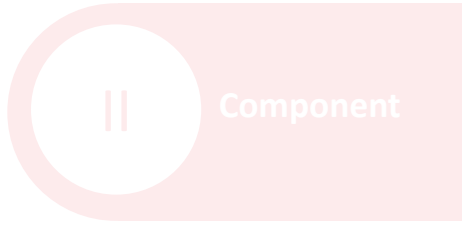
Project Objective



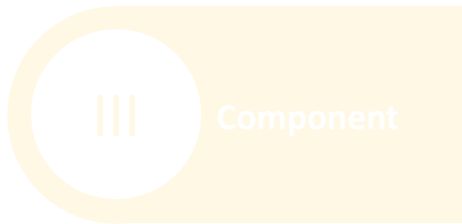
Develop and foster implementation of targeted Innovative, climate-change resilient approaches



Strengthen water, land and ecosystems resources Monitoring, and Indicators frameworks



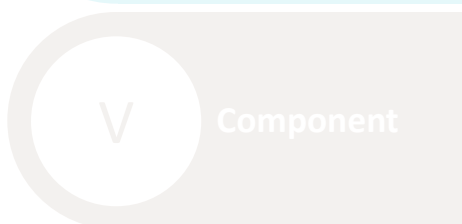
Strengthen policy, legislative and institutional reforms and capacity building



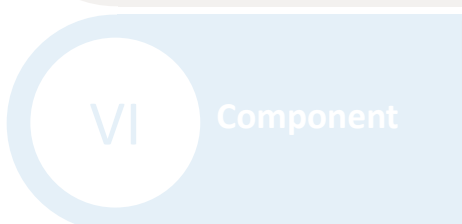
Enhance knowledge exchange



Project management



Mid term review and terminal evaluation for the project



Outcome C1.1: Verifiable, evidence-based stress reduction at project sites through appropriate sustainable water, land and ecosystems management interventions that account for climate change.

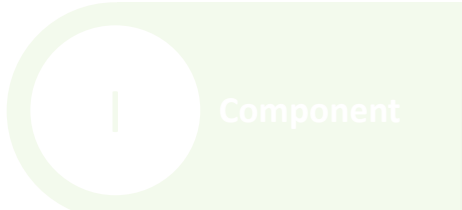
Outcome C1.2: Enhanced livelihood opportunities and socio-economic co-benefits for targeted communities from improved ecosystem services functioning.

Outcome 2.1: Strengthened national systems for monitoring of environmental status with respect to key international agreements.

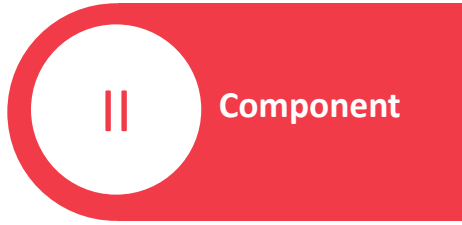
Outcome 3.1: Strengthened national policy and legislation for the effective management of water, land and ecosystems resources that account for climate change and enhanced capacity.

Outcome 4.1: Improved engagement and information access for practitioners and other stakeholders through targeted knowledge sharing networks.

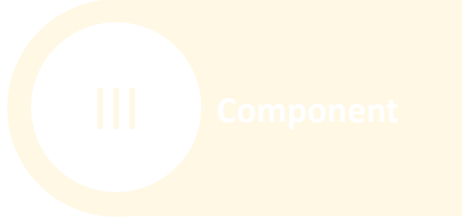
Develop and foster implementation of targeted Innovative, climate-change resilient approaches



Strengthen water, land and ecosystems resources Monitoring, and Indicators frameworks



Strengthen policy, legislative and institutional reforms and capacity building



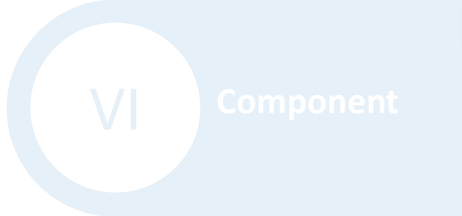
Enhance knowledge exchange



Project management

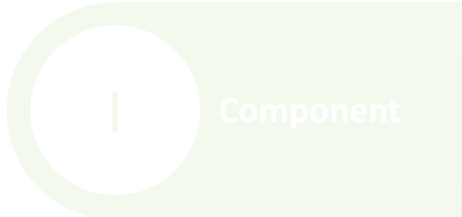


Mid term review and terminal evaluation for the project

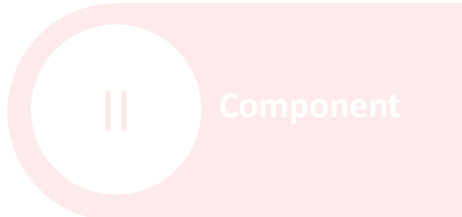


Outcome 2.1: Strengthened national and regional systems for monitoring of environmental status with respect to key international agreements.

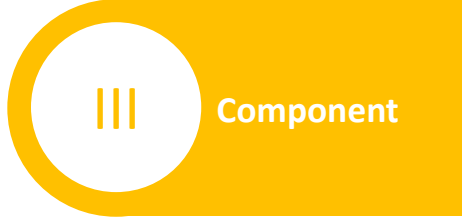
Develop and foster implementation of targeted Innovative, climate-change resilient approaches



Strengthen water, land and ecosystems resources Monitoring, and Indicators frameworks



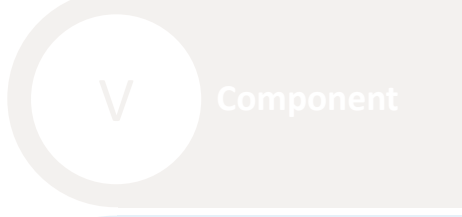
Strengthen policy, legislative and institutional reforms and capacity building



Enhance knowledge exchange



Project management



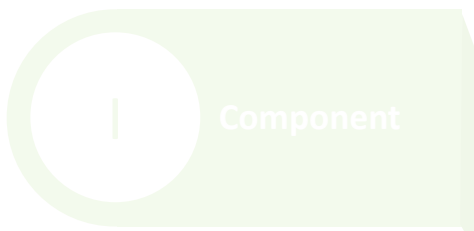
Mid term review and terminal evaluation for the project



Outcome 3.1: Strengthened policy and legislation for the effective management of water, land and ecosystems resources that account for climate change.

Outcome 3.2: Strengthened capacity of national and regional institutions and other stakeholders for water, land, and ecosystems management that accounts for climate change.

Develop and foster implementation of targeted Innovative, climate-change resilient approaches



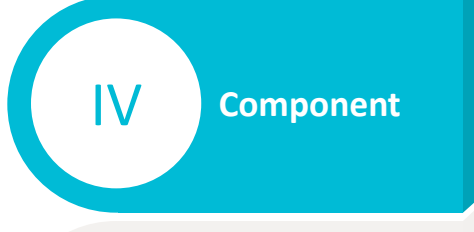
Strengthen water, land and ecosystems resources Monitoring, and Indicators frameworks



Strengthen policy, legislative and institutional reforms and capacity building



Enhance knowledge exchange



Project management

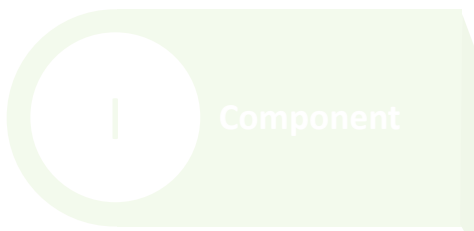


Mid term review and terminal evaluation for the project



Outcome 4.1: Improved engagement and information access for practitioners and other stakeholders through targeted knowledge sharing networks

Develop and foster implementation of targeted Innovative, climate-change resilient approaches



Strengthen water, land and ecosystems resources Monitoring, and Indicators frameworks



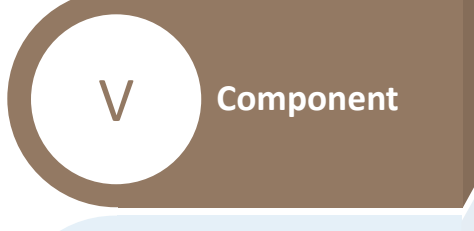
Strengthen policy, legislative and institutional reforms and capacity building



Enhance knowledge exchange



Project management

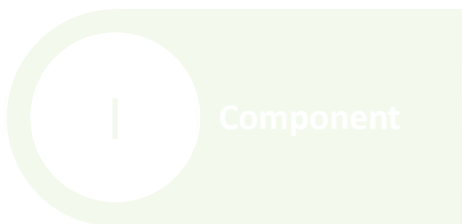


Mid term review and terminal evaluation for the project

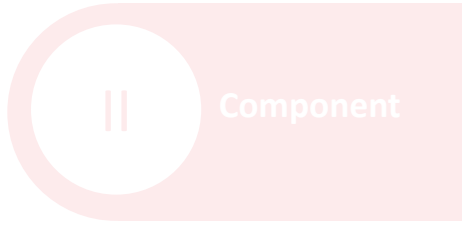


Outcome 5.1: Project management through a regional Project Co-ordination Unit (PCU) and support for the activities through Steering Committee supervision, reports, etc.

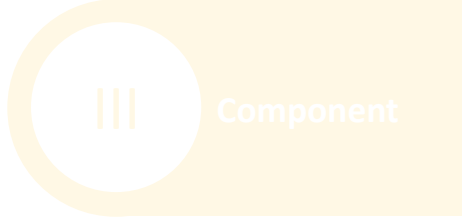
Develop and foster implementation of targeted Innovative, climate-change resilient approaches



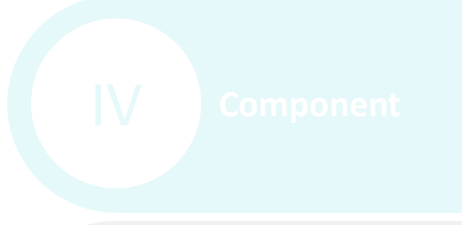
Strengthen water, land and ecosystems resources Monitoring, and Indicators frameworks



Strengthen policy, legislative and institutional reforms and capacity building



Enhance knowledge exchange



Project management

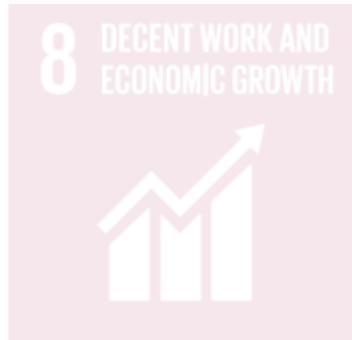
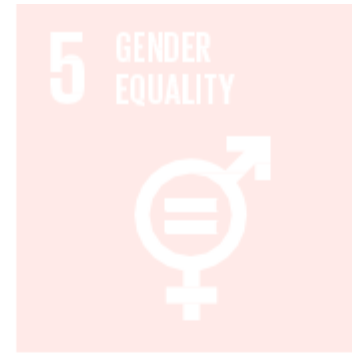


Mid term review and terminal evaluation for the project



Outcome 6.1: Implementation of the monitoring and evaluation (M&E) for the project.

SDGs faced





GOAL 6

Ensure availability and sustainable management of water and sanitation for all



GOAL 14

Conserve and sustainably use the oceans, seas and marine resources for sustainable development

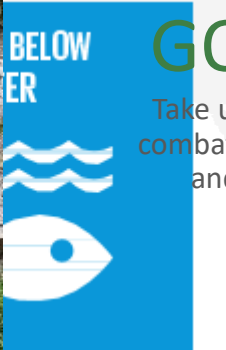


6 CLEAN WATER AND SANITATION



GOAL 15

Protect, restore and promote sustainable use of terrestrial ecosystems

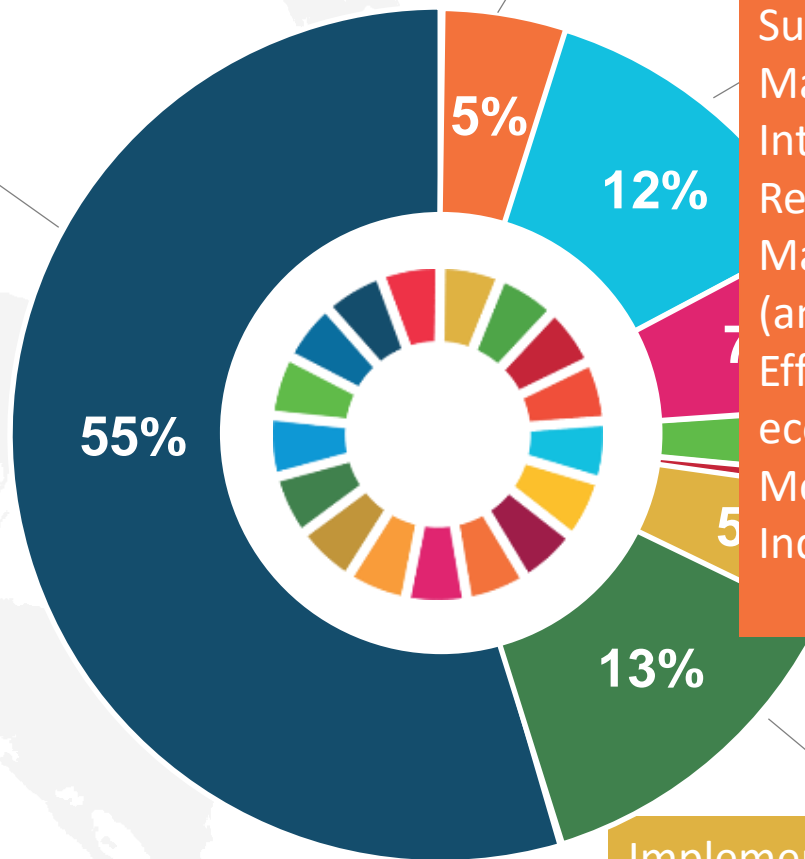


Budget Overview



Component I National Sub-projects 11,303,414 \$

- Antigua and Barbuda
- Cuba
- Dominican Republic
- Jamaica
- St. Kitts and Nevis
- St. Lucia
- St. Vincent and the Grenadines
- Trinidad and Tobago



Component II 1.043.782 \$

Strengthening of the Sustainable Land Management (SLM), Integrating Water Resources Management (IWRM) (and Water Use Efficiency (WUE)) and ecosystems Monitoring, and Indicators framework

Component III

Strengthening of the legislative and institutional reforms
Community building
IWRM/WUE
87.895 \$

Enhancing knowledge exchange, best-practices replication

Project Management

Sr 1.0

Monitoring & Evaluation Programme

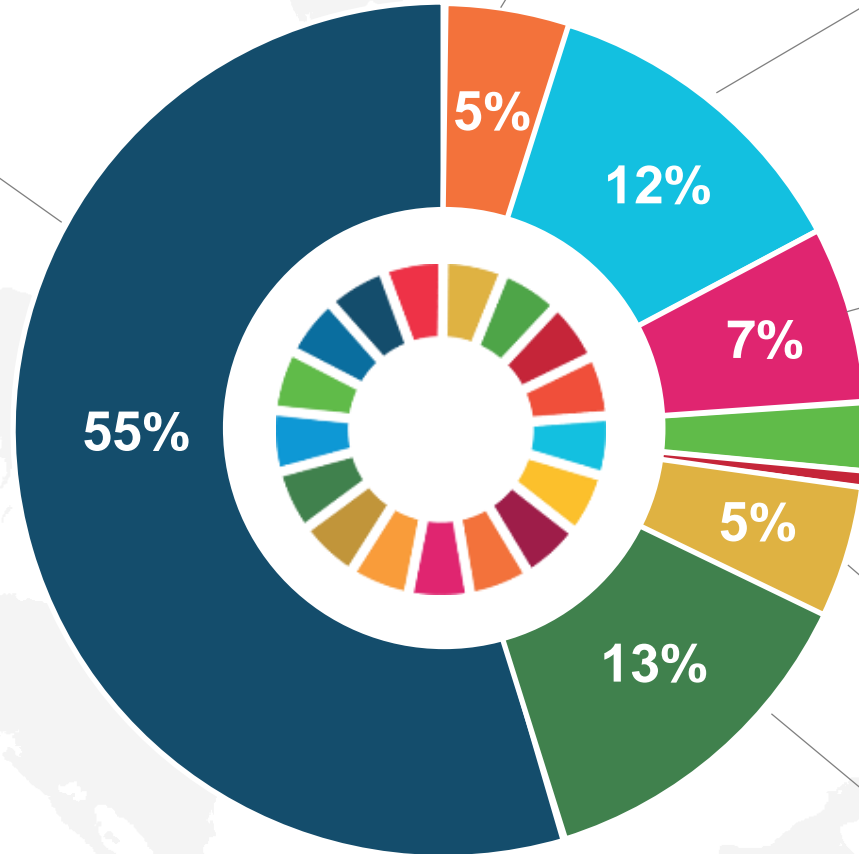
Implemented the IWRM process and technical support to communities and CSOs to meet the overall objective of global environmental benefits security initiatives and IWEco PCU Staffing salaries, non exp. Equipment, office costs related to the Project
2.785.000 \$

IWEco staffing salaries and all the equipment related to the Project.

Budget Overview



Component I
National Sub-projects
11,303,414 \$



Component II
1.043.782 \$

Component III
2.567.008 \$

Component IV
1.387.895 \$

Component V
535.473 \$

Component VI
100.000 \$

Small Grants Programme
1.000.000 \$

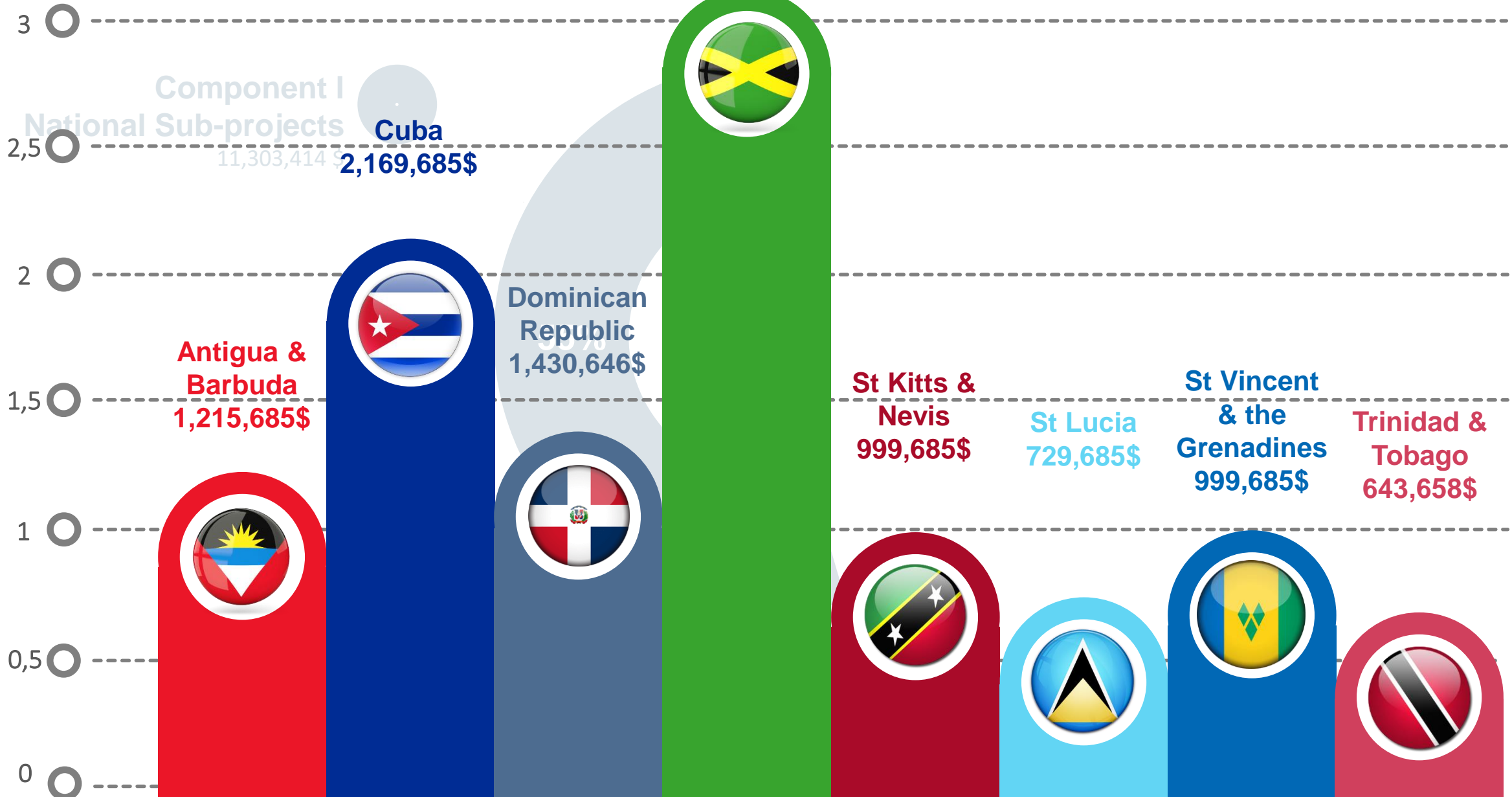
IWEco staffing + non-exp. Equipment
2.785.000 \$

Budget Overview



Jamaica
3,114,685\$

US M \$ Financing from GEF

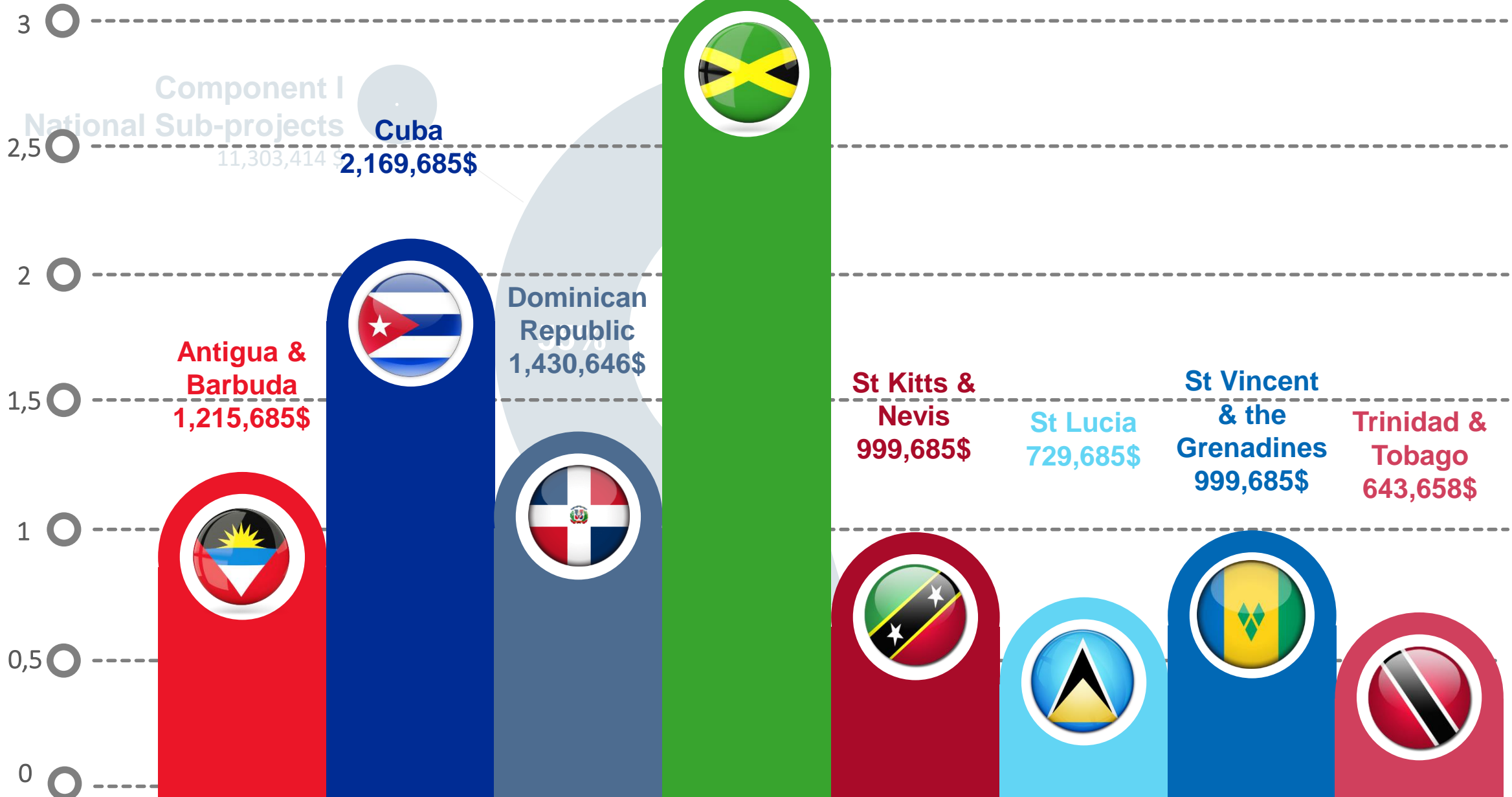


Budget Overview



Jamaica
3,114,685\$

US M \$ Financing from GEF



Component I
National Sub-projects

11,303,414\$

Cuba
2,169,685\$

Dominican Republic
1,430,646\$

St Kitts & Nevis
999,685\$

St Lucia
729,685\$

St Vincent & the Grenadines
999,685\$

Trinidad & Tobago
643,658\$

Budget Overview



Component I
National Sub-projects
CAR/RCU 11,303,414 \$



CARPHA



UNDP



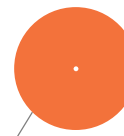
PCI Media Impact



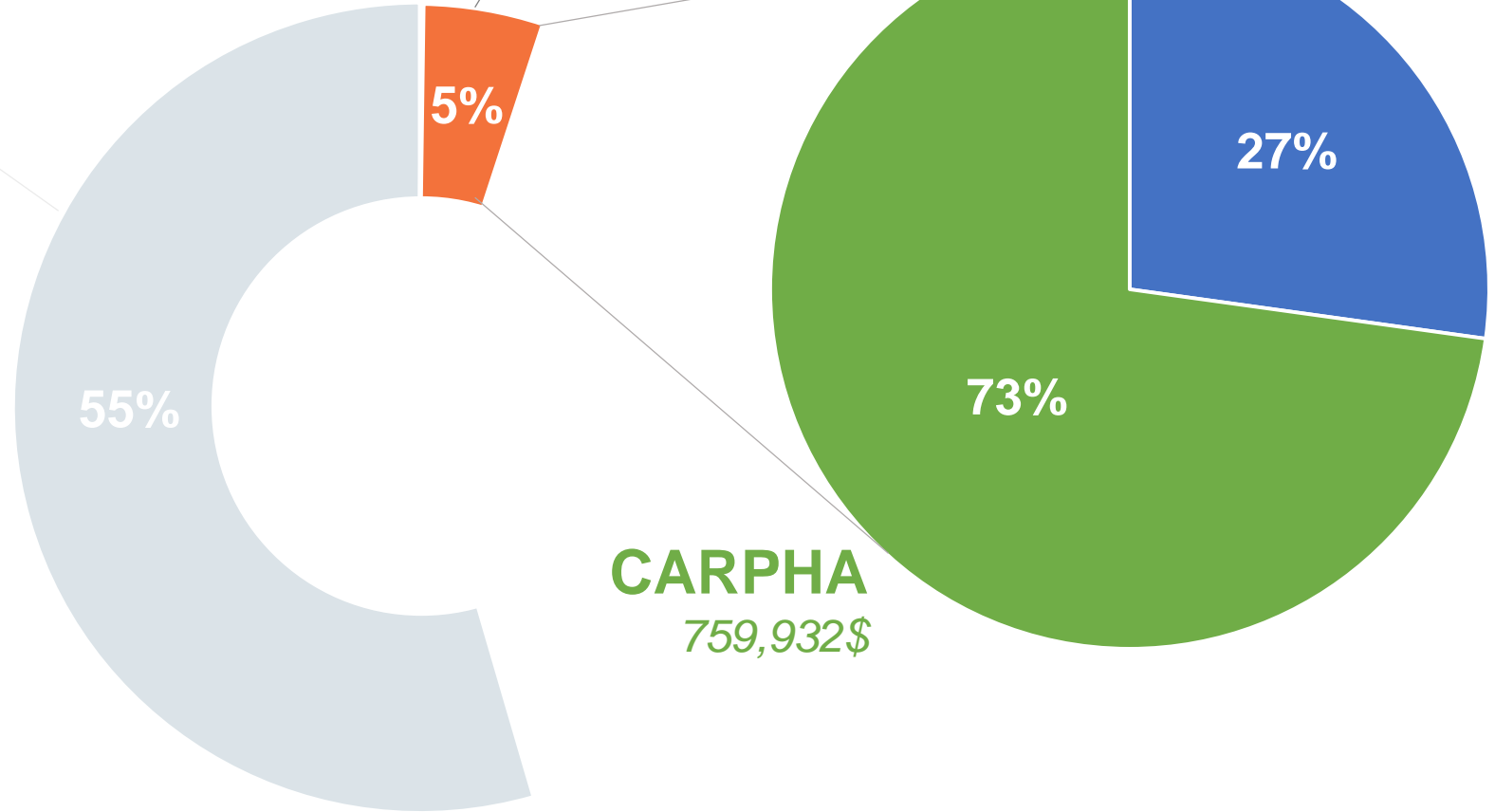
CAR/PCU



National Sub-Projects



Component II
1.043.782 \$



Budget Overview



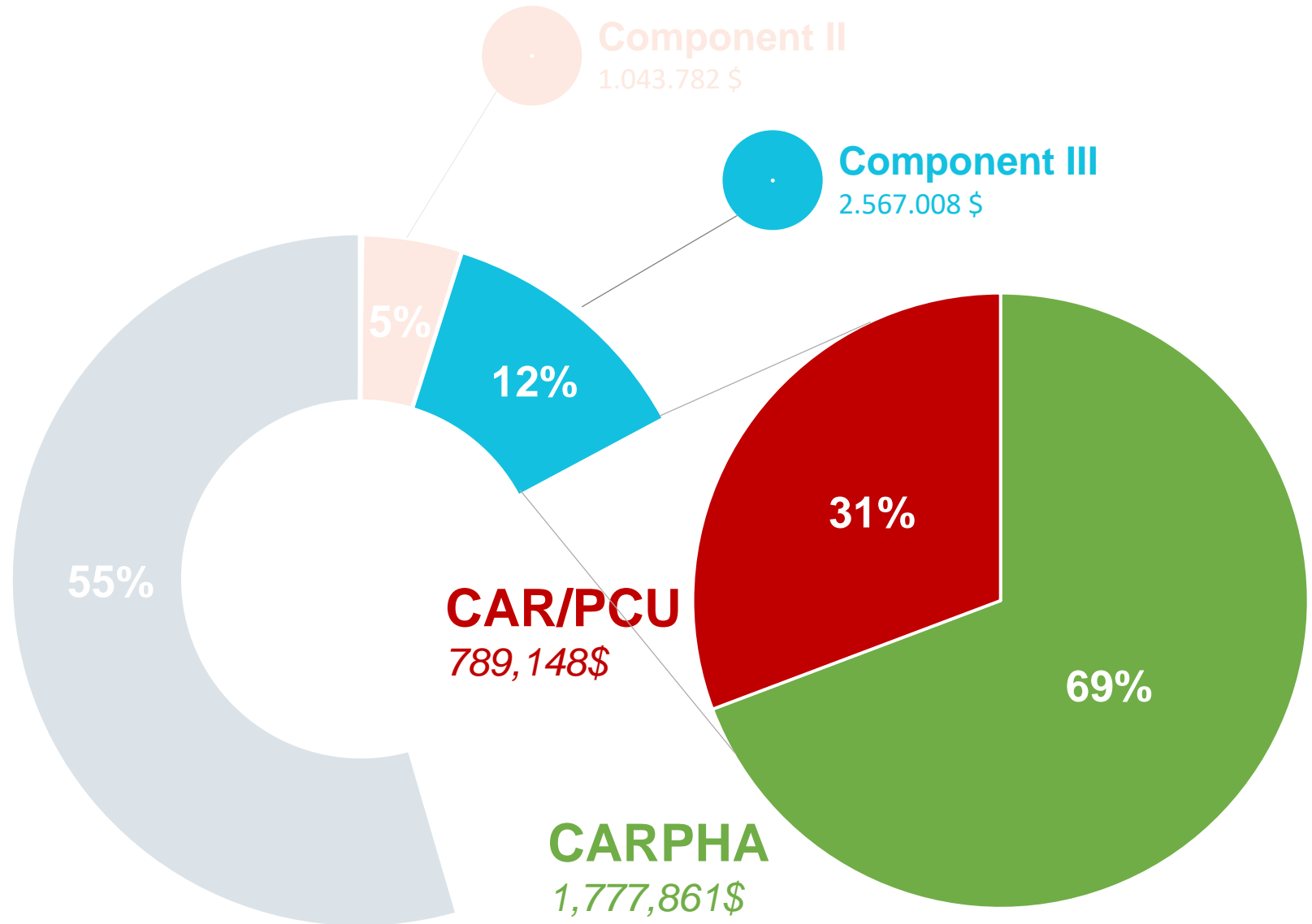
 CAR/RCU

 CARPHA

 UNDP

 PCI Media Impact

 CAR/PCU



National Sub-Projects 11,3 M\$



Budget Overview



CAR/RCU



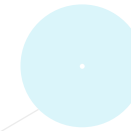
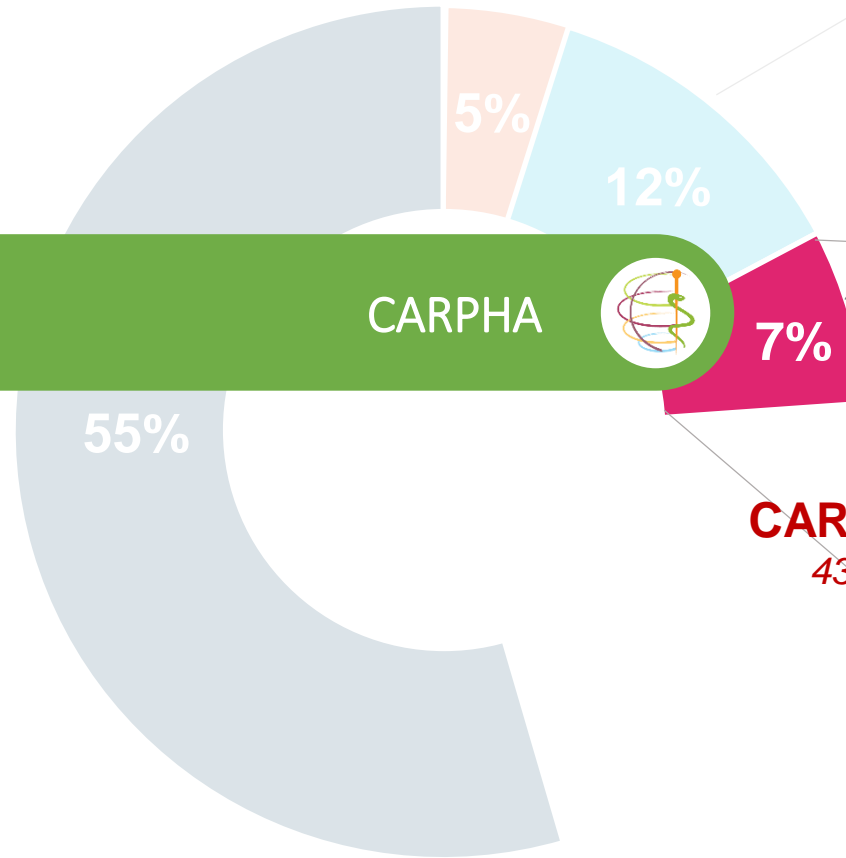
UNDP



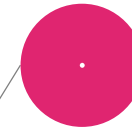
PCI Media Impact



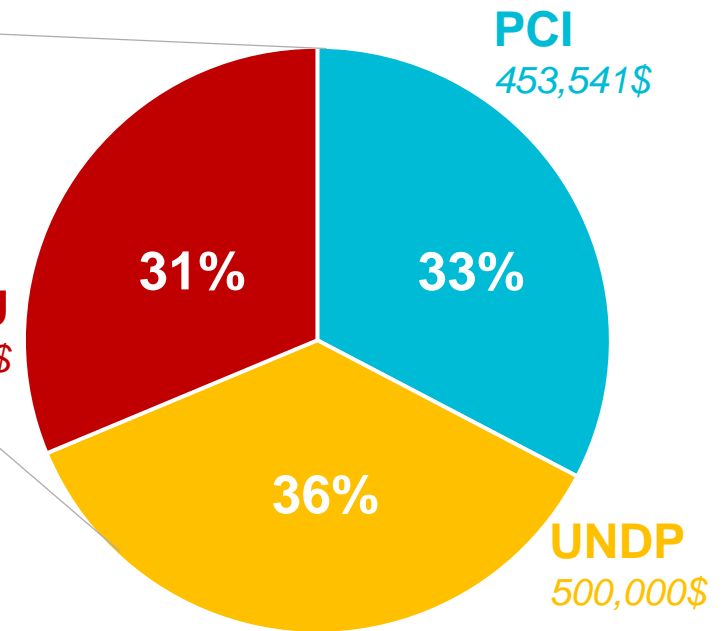
CAR/PCU



Component III
2.567.008 \$



Component IV
1.387.895 \$



National Sub-Projects 11,3 M\$



Budget Overview



CAR/RCU



UNDP



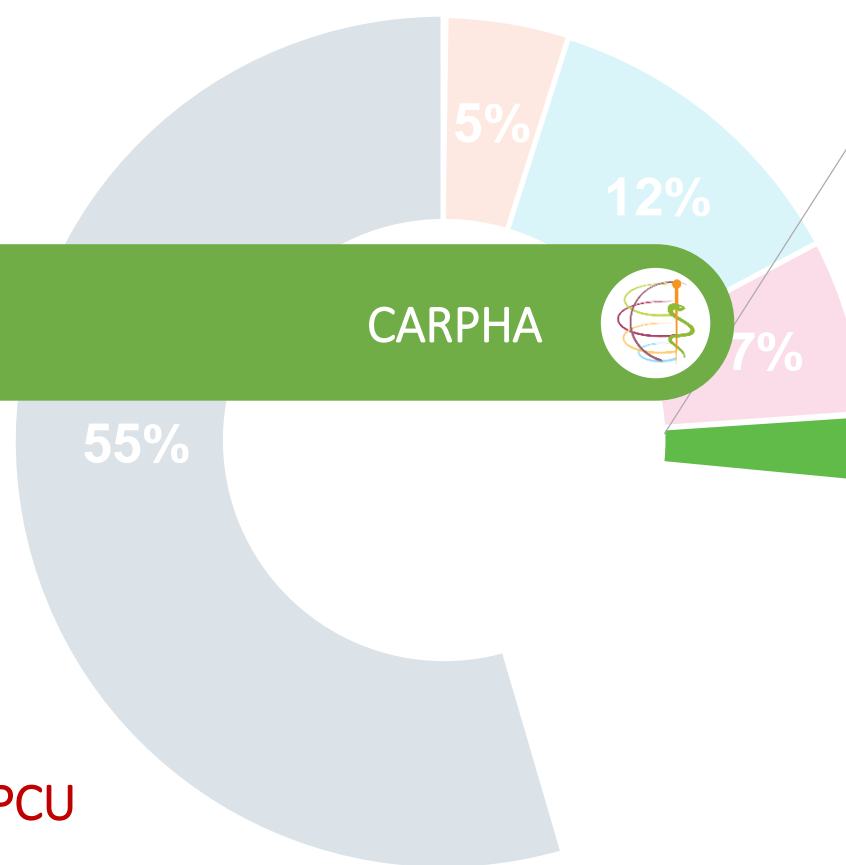
PCI Media Impact



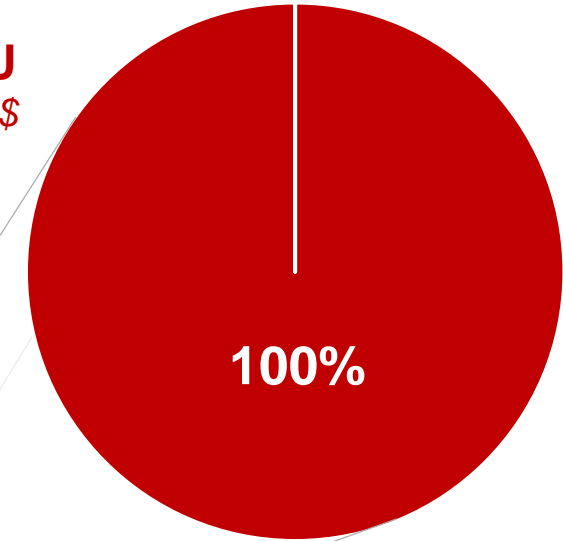
CAR/PCU



CARPHA



CAR/PCU
535,473\$



Component V
535.473 \$

National Sub-Projects 11,3 M\$



Budget Overview



CAR/RCU



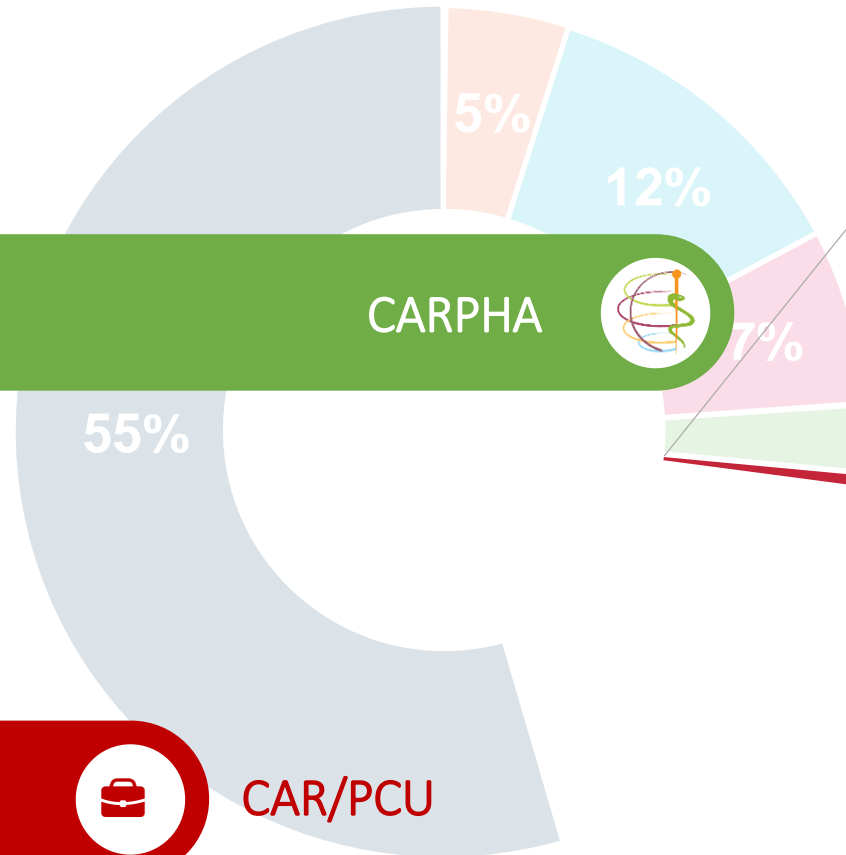
UNDP



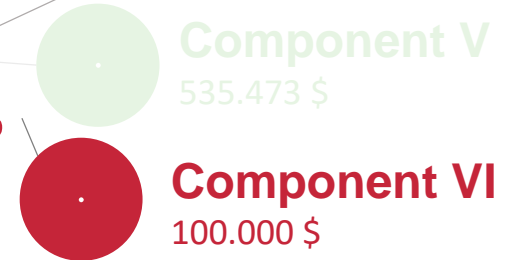
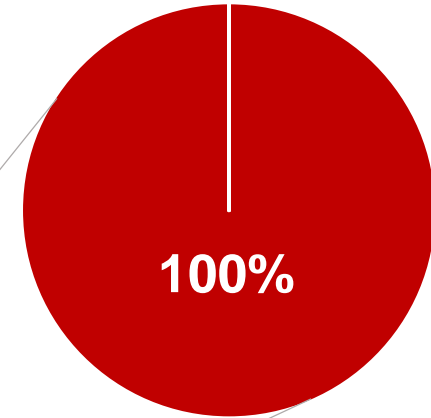
PCI Media Impact



CAR/PCU



CAR/PCU
100,000\$



National Sub-Projects 11,3 M\$



Budget Overview



CAR/RCU



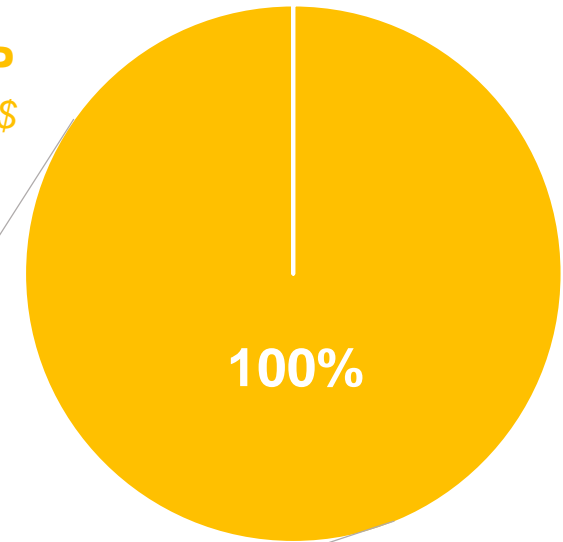
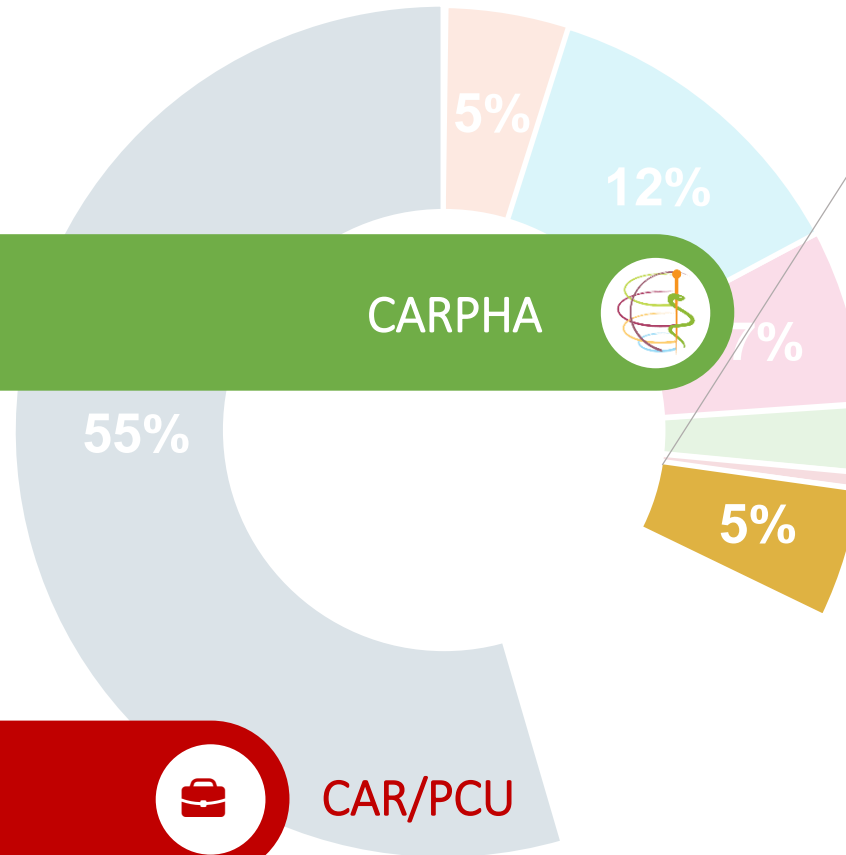
UNDP



PCI Media Impact



CAR/PCU



National Sub-Projects 11,3 M\$



Budget Overview



CAR/RCU



UNDP



PCI Media Impact



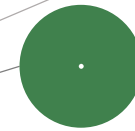
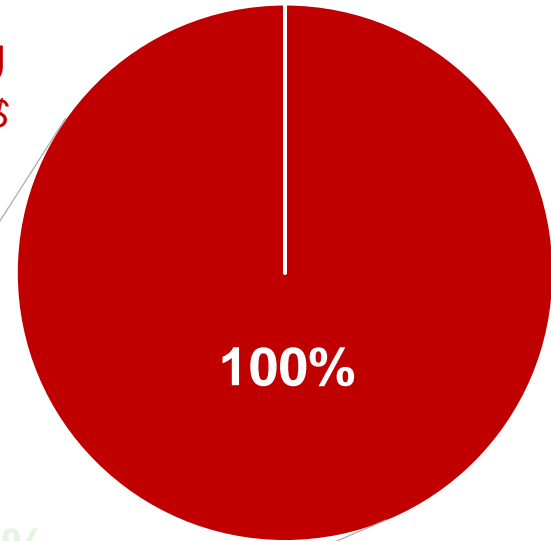
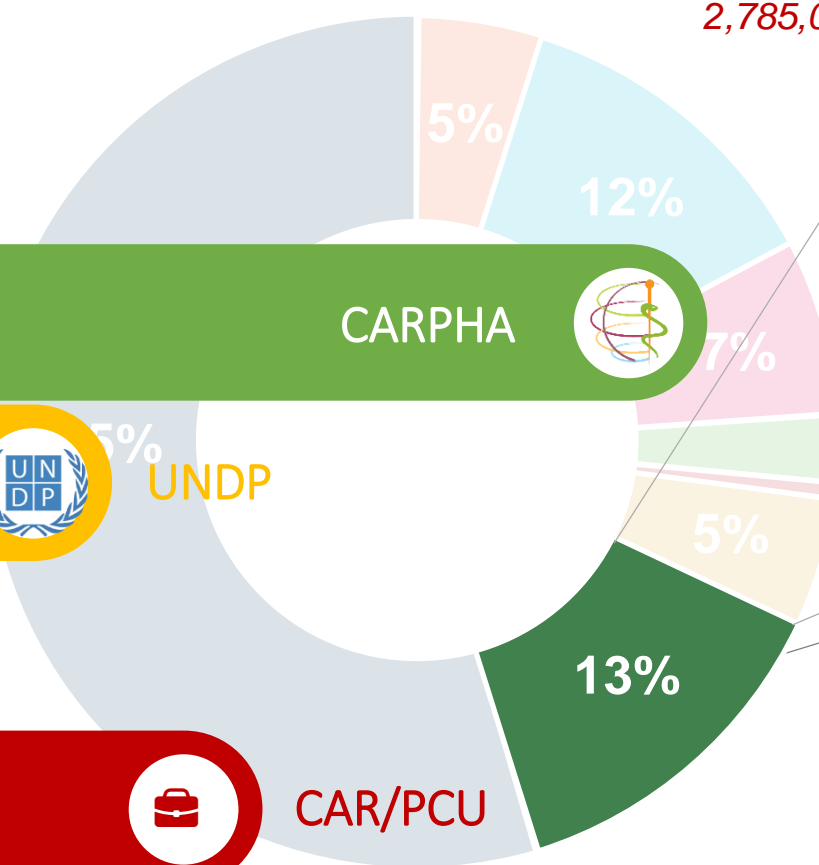
CAR/PCU



CARPHA

CAR/PCU

2,785,000\$



IWEco PCU Staffing salaries, non exp. Equipment, office costs related to the Project



Small Scale Projects
1.000.000 \$

National Sub-Projects 11,3 M\$



Budget Overview



CAR/RCU



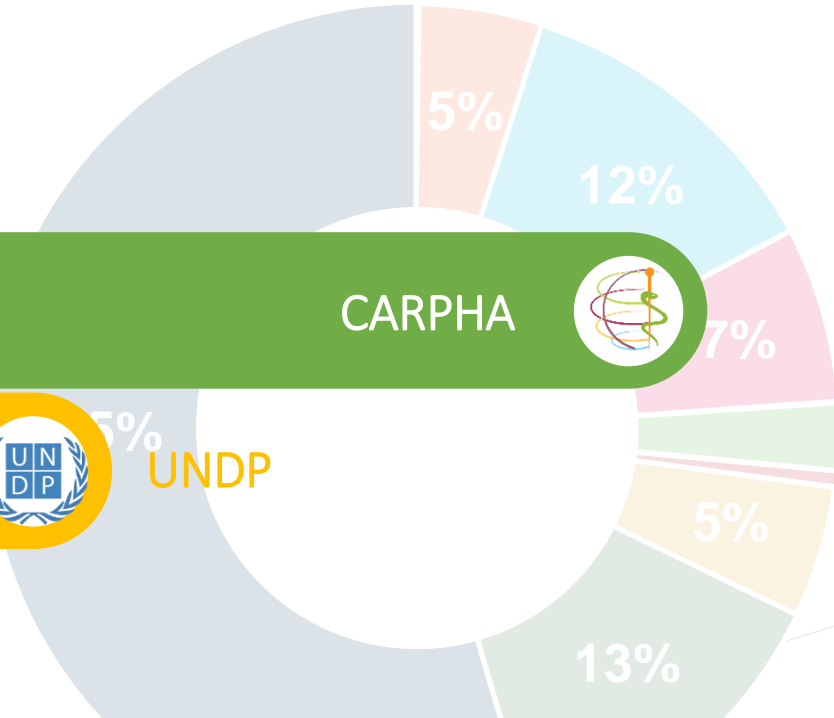
CARPHA



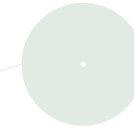
UNDP



PCI Media Impact



IWEco staffing + non-exp. Equipment
2.785.000 \$



IWEco staffing + non-exp. Equipment
2.785.000 \$

CAR/PCU 4,6 M\$

National Sub-Projects 11,3 M\$



Budget Overview



20,722,572 \$



CAR/RCU

283,850 \$

CARPHA



2,537,793 \$



UNDP

1,500,000 \$



PCI Media Impact

453,541 \$

4,643,975 \$

CAR/PCU 4,6 M\$

11,303,414 \$

National Sub-Projects 11,3 M\$



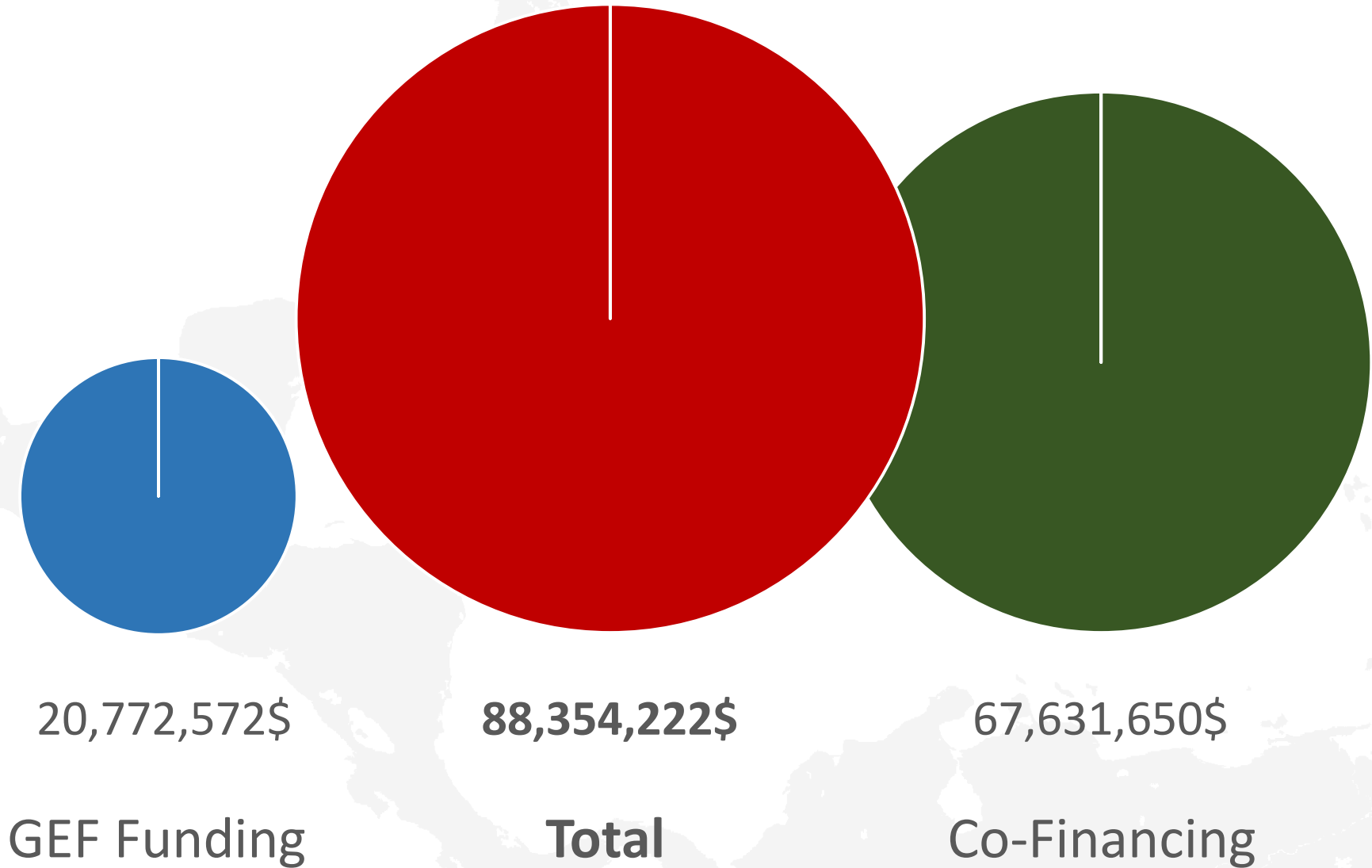
Budget Overview



	CAR/RCU	CARPHA	UNDP	PCI	CAR/PCU	NATIONAL SUB-PROJECTS	
Component I						11,303,414\$	11,303,414\$
Component II	283,850\$	759,932\$					1,043,782\$
Component III		1,777,861\$			789,148\$		2,567,008\$
Component IV			500,000\$	453,541\$	434,354\$		1,387,895\$
Component V					535,473\$		535,473\$
Component VI					100,000\$		100,000\$
Small Grants Programme			1,000,000\$				1,000,000\$
IWEco Staffing					2,785,000\$		2,785,000\$
	283,850\$	2,537,793\$	1,500,000\$	453,541\$	4,643,975\$	11,303,414\$	20,772,572\$



Co-financing

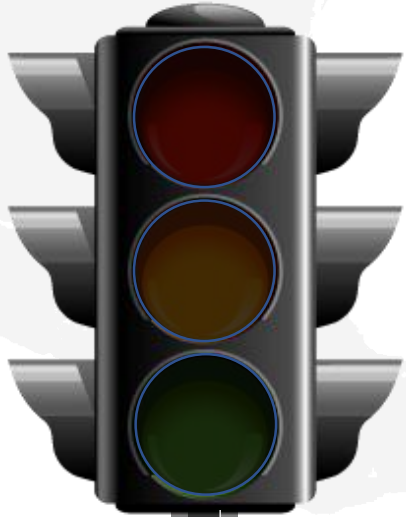


Budget Overview



	GEF funding	Co-financing	Total
Component I	11,303,414\$	30,511,691\$	41,815,105\$
Component II	1,043,782\$	12,270,500\$	13,314,282\$
Component III	2,567,008\$	11,611,000\$	14,178,008\$
Component IV	1,387,895\$	11,540,000\$	12,927,895\$
Component V	535,473\$	1,542,162\$	2,077,635\$
Component VI	100,000\$	156,297\$	256,297\$
Small Grants Programme	1,000,000\$	0,000,000\$	1,000,000\$
IWEco Staffing	2,785,000\$	0,000,000\$	2,785,000\$
Total	20,772,572\$	67,631,650\$	88,354,222\$

Status of PCAs (June 2018)



Antigua and Barbuda

08/12/2017

✓

Cuba

Contract with UNOPS on Procurement Field work

15/05/2018

✓ ✓

Pending document revision from partner

Dominican Republic

●

Jamaica

✓

St Kitts and Nevis

●

Signed by both parties, pending document revision

St Vincent and the Grenadines

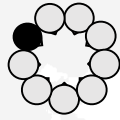
●

Trinidad and Tobago

16/05/2017

✓

Commitments and Expenditure



Executing Partners

Support Partners

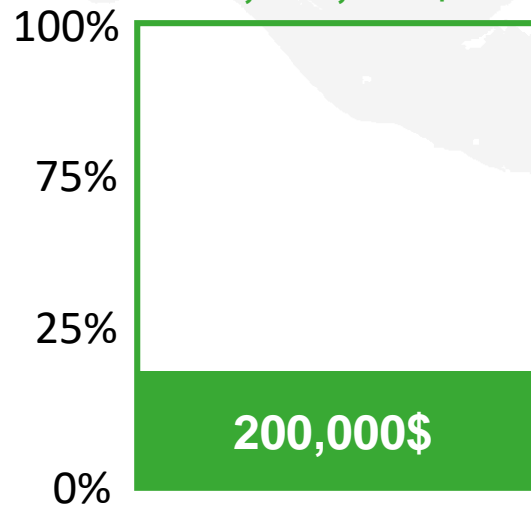
PCU and RCU

Antigua and Barbuda

08/12/2017



1,215,685\$

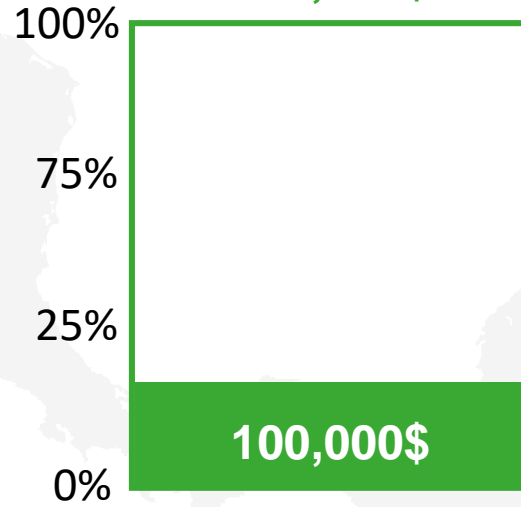


St Lucia

26/09/2017



729,685\$

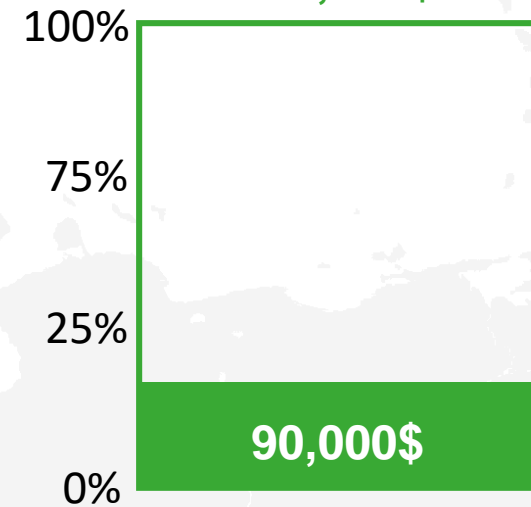


Trinidad and Tobago

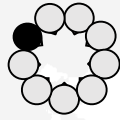
16/05/2017



643,658\$



Commitments and Expenditure



Executing Partners

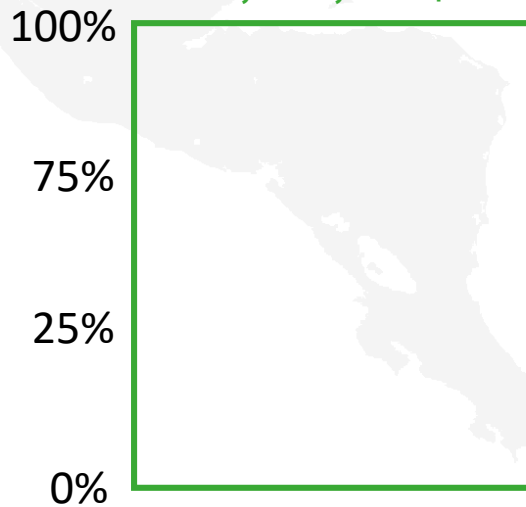
Support Partners

PCU and RCU

Carpha



2,537,793\$

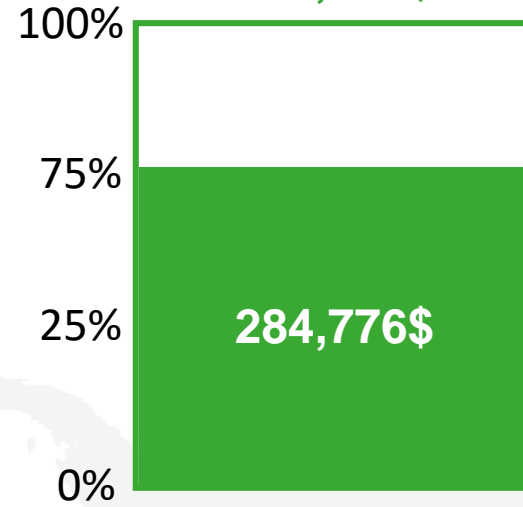


PCI

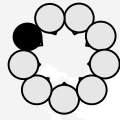
Media Impact



379,701\$



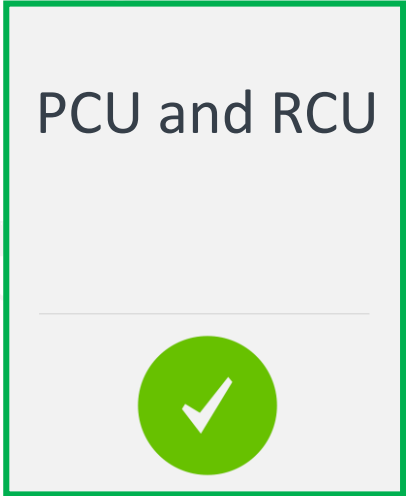
Commitments and Expenditure



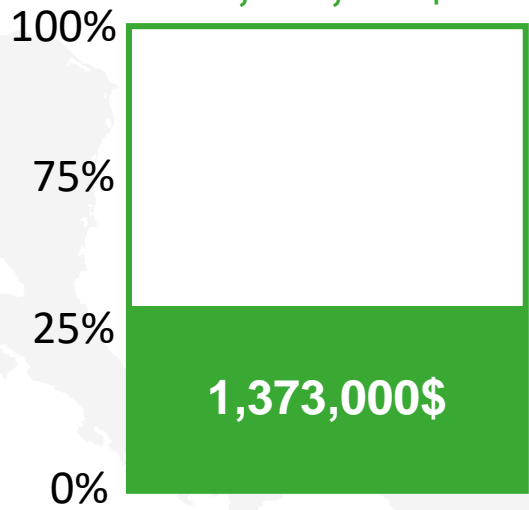
Executing Partners

Support Partners

PCU and RCU



1,373,000\$



Recruitment and next steps



Monitoring and Technical Specialist

Jan Louis Betlem

IWEco Regional Project
Coordinator

Donna Sue Spencer

IWEco Communications
Specialist

2017

2018

Oct

Nov

Dec

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

De

Shamene Alyssa Parker

IWEco Programme Management
Assistant

Donna Henry-Hernández

IWEco Programme Management Assistant

A group of four people, three women and one man, are standing outdoors in front of a building with large windows and greenery. The man is in the back row, and the three women are in the front row. Each person has a white text box overlaid on the image identifying them by name and title.

Jan Louis Betlem

IWEco Regional Project
Coordinator

Donna Sue Spencer
IWEco Communications
Specialist

Shamene Alyssa Parker

IWEco Programme Management
Assistant

Donna Henry-Hernández
IWEco Administrative Assistant



- Start of disbursements for all the field activities in Project Countries (and the Procurement for Cuba)
- Recruitment of the Monitoring and Technical Specialist (P2) and formulation of the Monitoring Frameworks according to GEF rules and Tracking tools
- Research and Monitoring Partnership Meeting (By Carpha, Saint Lucia) and R&M Strategies Development
- IWEco Newsletter and IWEco Website
- IWEco style guide (by PCI Media Impact)
- Implementation of a Regional Knowledge, Attitudes and Practices Survey (KAPS) in occasion of the CWWA Annual Conference and Exhibition, October 2018.
- Further networking and collaboration with a variety of Regional Partners



IWEco

*integrating water, land and ecosystems management
in caribbean small island developing states*

Thank you

Jan Betlem – Regional Project Coordinator

#CaringForOurFuture

Actividades RAC – Cimab: 2017– 2018

Marlén Pérez Hernández
RAC - Cimab

UNEP(DEPI)/CAR WG.39/INF.4

4to STAC FTCM, 18 - 20 de julio 2018
Ciudad Panamá, Panamá

SSFA: “Línea Base Ambiental de las Aguas Residuales Domésticas que impactan las zonas marinos costeras de Honduras”.

Actividades Realizadas en el marco del SSFA:

1.- Taller Teórico-Práctico de Técnicas Analíticas para la Evaluación de la Calidad de Aguas Residuales y Marinas (enero 2017)

Objetivos:

1.a. Facilitar una visión general del monitoreo de las aguas marino costeras.

1.b Presentar los procedimientos generales para el muestreo y la caracterización de las aguas marino costeras.

1.c Presentar y explicar métodos de ensayos de las aguas marino costeras

1.d Asesoraría práctica en toma de muestras de agua de mar

Enero 2017 Honduras



Actividades Realizadas en el marco del SSFA:

2.- “Taller para inventario de Fuentes y Actividades Contaminantes que Impactan a Zonas Marino Costeras”
(febrero 2017)

Objetivos:

2.a Describir y compartir las metodologías para el inventario de fuentes y actividades contaminantes en las Zonas Marino Costeras.

2.b Intercambiar experiencia local en el Inventario de Fuentes y actividades contaminantes en zonas marino costeras.

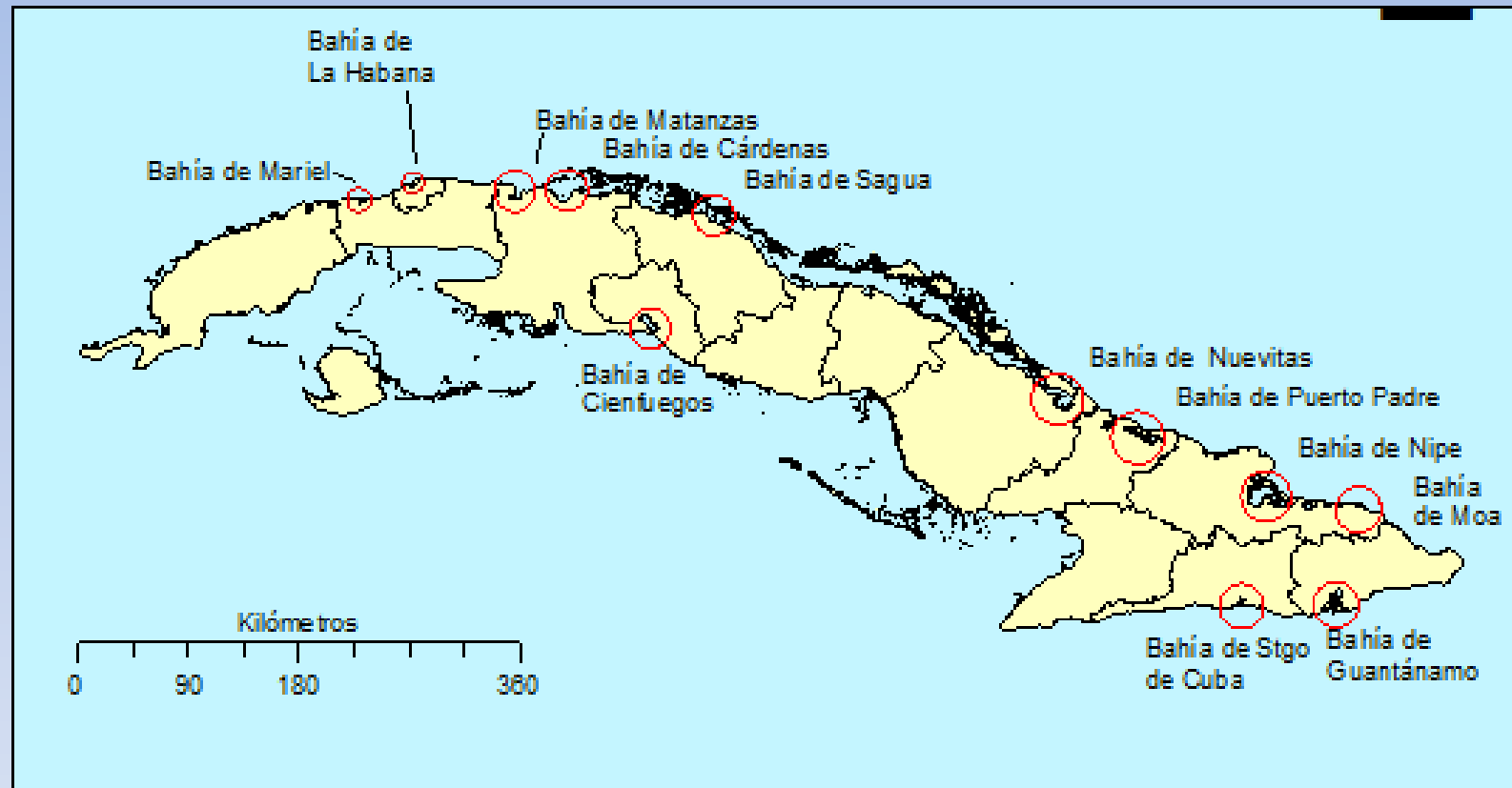
60 especialistas provenientes de:

- 1) Centro Interactivo de Información Hídrica y Ambiental (CIIHA)
- 2) Centro de Estudios y Control de Contaminantes (CESCCO)
- 3) Secretaria de Energía, Recursos Naturales, Ambiente y Minas de Honduras (MiAmbiente)

Febrero 2017 Honduras



Proyecto: “Monitoreo de la Calidad Ambiental de las bahías de Cuba” (2017 – 2018)



Resultado 1: Actualización de las fuentes terrestres de contaminación de las bahías

Resultado 2: Evolución y control de la calidad ambiental del ecosistema marino de las bahías.

Resultado 3: Evaluación de la efectividad de las medidas propuestas para el control y mitigación de las afectaciones a la zona costera estudiada

Actividades Realizadas en el marco del Proyecto Bahías:

- Actualización el inventario de las fuentes terrestres de contaminación a cada bahía.
- Evaluación la efectividad de las medidas correctoras propuestas para el control y mitigación de las afectaciones a cada bahía estudiada
- Evaluación de la calidad hidroquímica (pH, Temp, OD, DBO₅, NO₂, NO₃, NH₄, PT, PO₄, SiO₃, SST) y sanitaria (CTT y CT) en las aguas de las bahías en los períodos lluvioso y poco lluvioso.
- Determinación de los niveles actuales de contaminantes orgánicos (hidrocarburos del petróleo) en las aguas superficiales en los periodos lluvioso y poco lluvioso.
- Determinación el grado de deterioro de las comunidades naturales a través de estudios con indicadores biológicos: (clorofila-a fitoplanctónica), en ambos períodos estacionales.
- Determinación de la calidad de los sedimentos (materia orgánica, carbono orgánico, metales pesados, hidrocarburos totales)

PROYECTO NO ASOCIADO A PROGRAMAS, PNAP

"MONITOREO DE LA CALIDAD AMBIENTAL DEL ECOSISTEMA DE LA BAHÍA DE
PUERTO PADRE"

Resultado 01

ACTUALIZACIÓN DEL INVENTARIO DE LAS FUENTES
TERRESTRES DE CONTAMINACIÓN DE LA BAHÍA DE PUERTO
PADRE



INFORME FINAL

La Habana, Junio 2017

Proyecto No Asociado a Programa (PNAP):

"Monitoreo de la Calidad Ambiental del ecosistema de la Bahía de
Puerto Padre"

Resultado 2

"Evolución y control de la calidad ambiental del ecosistema marino
de la Bahía de Puerto Padre"

INFORME FINAL



La Habana, septiembre 2017

PROYECTO NO ASOCIADO A PROGRAMAS, PNAP

"MONITOREO DE LA CALIDAD AMBIENTAL DEL ECOSISTEMA DE LA BAHÍA DE
PUERTO PADRE"

Resultado 03

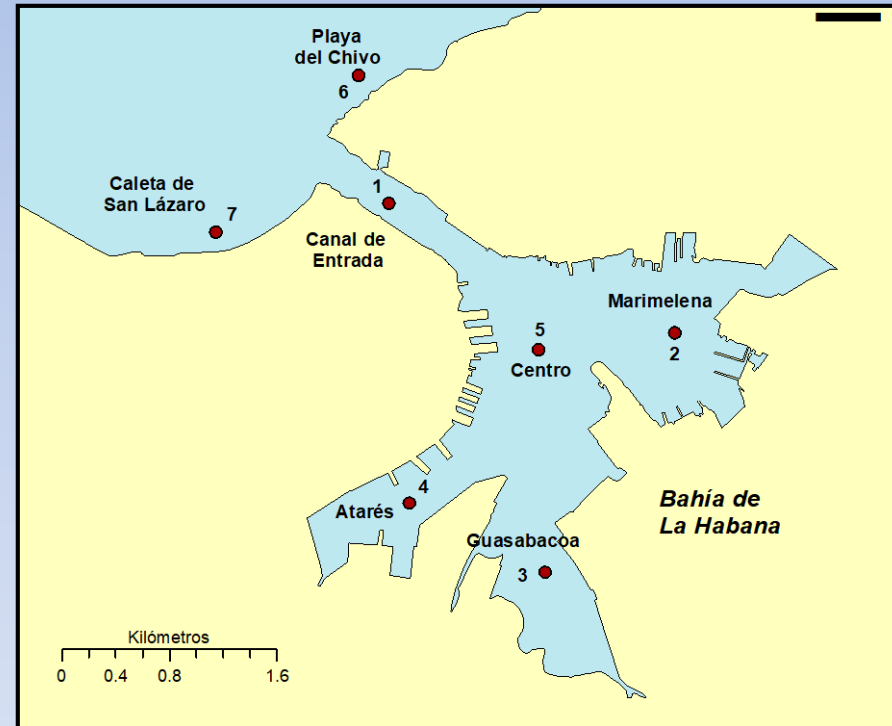
EVALUACIÓN DE LA EFECTIVIDAD DE LAS MEDIDAS PROPUESTAS
PARA EL CONTROL Y MITIGACIÓN DE LAS AFECTACIONES A LA
ZONA COSTERA ESTUDIADA



INFORME FINAL

La Habana, Julio 2017

Proyecto: “Control y evolución de la calidad ambiental de la Bahía de La Habana y el litoral adyacente y de las fuentes contaminantes tributarias (ríos, drenes e industrias)”



Monitoreo mensual de la calidad del agua de la bahía y de los ríos y drenes que tributan a ella

Otras Actividades

RAC- Cimab: 2017 - 2018

- Un experto del RAC Cimab participó en el Taller Regional “Amazona – Mar Caribe para la implementación de un proyecto GEF” en el mes de **mayo de 2017** y ha dado seguimiento y apoyo al principal coordinador del proyecto (de la Universidad Federal de Pará, Belén, Brasil) en la elaboración del perfil del proyecto (Concept Project).
- El Director y un experto del RAC-Cimab participaron en la Tercera Reunión de las Partes Contratantes (3ra COP) al Protocolo Relativo a la Contaminación de Fuentes y Actividades Terrestres (Protocolo FTTCM) en la Región del Gran Caribe, y en la Decimoséptima Reunión Intergubernamental sobre el Plan de Acción para el Programa Ambiental del Caribe (17 IGM) y Decimocuarta Reunión de las Partes Contratantes al Convenio para la Protección y Desarrollo del Medio Ambiente marino en la Región del Gran Caribe (14 COP) Guyana Francesa, Colombia, **marzo de 2017**.
- Un experto del RAC Cimab participó como invitado en la Segunda Reunión del Comité Directivo del Proyecto GEF IWEco que se celebró en La Habana en **febrero 2018**.

Otras Actividades

RAC- Cimab: 2017 - 2018

- La Coordinadora del PAC, Sra. Lorna Inniss fue recibida en el RAC Cimab en una visita de cortesía en **febrero 2018** donde realizó un recorrido por la instalación y recibió una explicación de las principales actividades que ha ejecutado el Cimab como Centro de Actividad Regional del Protocolo FTCM así como de los principales proyectos que realiza en Cuba.
- El Director del RAC Cimab participó en una reunión que sostuvo la Coordinadora del PAC, Sra Lorna Inniss con las autoridades ambientales de Cuba (**febrero 2018**) cuyos principales objetivos fueron analizar la firma del Acuerdo de Sede del Cimab como Centro de Actividad Regional y la ratificación del Protocolo FTCM por parte de Cuba.
- El RAC Cimab está trabajando de conjunto con el Sub programa AMEP y el Proyecto GEF CLIME+ en la definición de las actividades para la realización de la Estrategia Regional y el Plan de Acción para reducir la carga de nutrientes a la región del Gran Caribe.
- El RAC Cimab tiene una participación activa en el Grupo Regional de Expertos en Monitoreo y Evaluación, y ha intervenido en las teleconferencias, discusiones y demás actividades realizadas por el grupo desde su creación, con énfasis en la colaboración para el desarrollo de Informe del Estado de la Región (SOCAR).

Financiamiento utilizado para la ejecución de las Actividades 2017-2018

Proyecto	Monto y Fuente de financiamiento	Financiamiento RAC-Cimab
SSFA: “Línea Base Ambiental de las Aguas Residuales Domésticas que impactan las zonas marinos costeras de Honduras”.	50 000 USD (RAC Cimab ~3 000 USD) UCR/CAR – PNUMA- Proyecto GEF-CReW	10 000 CUP
“Monitoreo de la calidad ambiental de los ecosistema de las bahías de Santiago de Cuba, Cayo Moa, Nipe, Puerto Padre, Cienfuegos, Mariel, Varadero – Cárdenas, Guantánamo, Matanzas, Nuevitas y Sagua”	2017: 2 560 000 CUP 120 000 CUC 2018: 2 560 000 CUP 120 000 CUC Gobierno de Cuba	-
Proyecto: “Control y evolución de la calidad ambiental de la Bahía de La Habana y de las fuentes contaminantes tributarias (ríos, drenes e industrias)”	2017: 200 000.00 CUP 38 000.00 CUC 2018: 210 000.00 CUP 40 000.00 CUC Gobierno de Cuba	-
Otras Actividades	-	4 000.00 CUP

CUP: Pesos cubanos

CUC: Pesos cubanos convertibles

Activities in Support of
the LBS Protocol
for 2016-2018

RAC-IMA

Fourth Meeting of the Scientific, Technical and Advisory Committee to
the Protocol concerning Pollution from Land-based Sources and
Activities (LBS Protocol) 18-20 July 2018, Panama City, Panama



IMA Background

The Institute of Marine Affairs (IMA) was established, incorporated and is administered in accordance with the provisions of an Act of Parliament (1976), and became operational in 1978.



Mission and Vision

Mission

To conduct and foster research and to provide advice for the sustainable management of the coastal and marine areas and resources of Trinidad and Tobago.

Vision

To be the Centre of Excellence for Marine research institute in the Caribbean

IMA's Role and Functions include

- Conduct research on the marine and related resources of Trinidad and Tobago, the Caribbean and adjacent regions;
- Study the multiple uses of the sea and coastal zones, their resources and use potential in Trinidad and Tobago, the Caribbean and adjacent regions and to evaluate and promote such studies with a view to minimizing possible conflicts which may result from such uses;
- Establish an Information Centre for the collection and dissemination of information on economic, social, technological, scientific, environmental and legal developments in the marine areas and coastal zones of the Caribbean and adjacent regions;
- Provide information and advice to the Government in its formulation of policies relating to the marine and other related aspects of the environment;
- Respond to technical enquires and questions by policy-making organs of the Government, private sector organizations and individuals;

Research Departments

- Oceanography and Coastal Processes
- Biodiversity and Ecology
- Fisheries and Aquaculture
- Environmental Quality
- Marine Policy and Governance
- Geomatics



Programmatic Research

National Coastal Conservation Programme

- monitoring of coral reef, seagrass, mangroves, beaches and bays, and spatial mapping

Long Term Environmental Monitoring and Assessment in Trinidad and Tobago

Update and Maintenance of the IMA's Fingerprinting Database on Petroleum Hydrocarbons

Bacteriological Water Quality at Popular Recreational Water use Sites in Trinidad and Tobago

Overview of Activities during Period

- Signing of the LBS RAC agreement, Dr Lorna Innis, Coordinator Secretariat of Cartagena Convention UNEP and Honourable Mrs. Camille Robinson-Regis, Minister of Planning and Development T & T, on 4th April 2018, POS, Trinidad and Tobago.
- Support to State of Convention Area Report (SOCAR)
- National Project conducted in Support of the LBS Protocol.
- Attendance of meetings/national consultations concerning the assessment and management of pollution.

Support to SOCAR

- Participation in the UNEP's State of the Convention Area Report Meeting, March 13th 2017, Cayenne, French Guiana.
- Participated in teleconferences during the 2017-2018 period.
- Continued participation and support to the technical data sub- group of SOCAR.

National Projects conducted (Funding from the Govt. T&T)

- Environmental Monitoring and Assessment of Hot Spot Areas in Trinidad (USD 20,000. per year.)
- Bacteriological water quality at popular recreational water-use areas in Trinidad (USD 30,000. per year.) .
- Monitoring of coral reef and seagrass beds in Trinidad and Tobago (CARICOMP) (USD 117,000. per year.).
- Hydro-biogeochemical approach to the estimation of pollutant discharge from the Caroni River Basin (USD 165,000. per year.)

Activities in Support of LBS Protocol.

- Hosted the Joint Catalysing implementation on the Strategic Action Programme (SAP) for the Sustainable Management of Shared Living Resources in the Caribbean and the North Brazil Shelf Large Marine Ecosystem (CLME+) Sub-project launching workshop Nov 20-24th 2017
- IMA's has been designated the alternate focal point for CLME+ project and is the national focal point for the Caribbean Marine Atlas (CMA2 project) regional initiatives. Launch of Trinidad and Tobago CMA on June 8th 2018.
- In 2017, Cabinet approved the implementation of an Integrated Coastal Zone Management Policy Framework. IMA is deputy chair. Committee with responsibility to develop an Integrated Coastal Zone Management Policy Framework, Strategies and Action Plan for Trinidad and Tobago.

Activities in Support of LBS Protocol.

- Participation in the UNDP/GEF Large Marine Ecosystem (CLME+) Project Ecosystem Based Management Project March 10-11th 2017, Cayenne, French Guiana.
- Participation in the UNEP's State of the Convention Area Report Meeting, March 13th 2017, Cayenne, French Guiana.
- Participation in the UNEP's Third Meeting of the Contracting Parties to the Protocol concerning Pollution from Land Based sources and Activities in the Wider Caribbean Region (LBS), UNEP's 17th Intergovernmental Meeting on the Action Plan for the Caribbean Environment Programme and 14th Meeting of the Contracting Parties to the Convention for the Protection and Development of the Marine Environment of the Wider Caribbean Region March 14-17th 2017, Cayenne, French Guiana

Activities in Support of LBS Protocol.

- Participation in the Amazon Basin and the Caribbean Sea-Proposal preparation workshop in Belem, Brazil May 8-12th 2017.
- Participation during the 2017-2018 period on the production of a draft Upstream Effluent Management Committee Report and Policy for the Oil and Gas sector of Trinidad and Tobago.
- Participation in the development of a the National Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants for the Republic of Trinidad and Tobago during the 2017-2018 .

Activities in Support of LBS Protocol.

- Participation in the UNDP/GEF CLME+ Ecosystem based management project. Trinidad one of the participating countries. Stakeholders meetings were held with government agencies, farmer groups, and academia focussing on the Cunupia catchment in 2017-2018.
- Hosted of three Community Symposia in 2017-2018 at coastal communities highlighting work of IMA and the LBS protocol . Improving public education and awareness in the country.

A tropical beach scene with a row of palm trees leaning over a white sandy shore. The water is clear and turquoise. A decorative teal wave graphic is at the top, and a white bar with teal waves is at the bottom.

Thank You

Part 6 Activity Outputs



Monitoring & Assessment

Pollution Fact Sheets: Wastewater & Marine Litter

SOCAR – Ongoing support

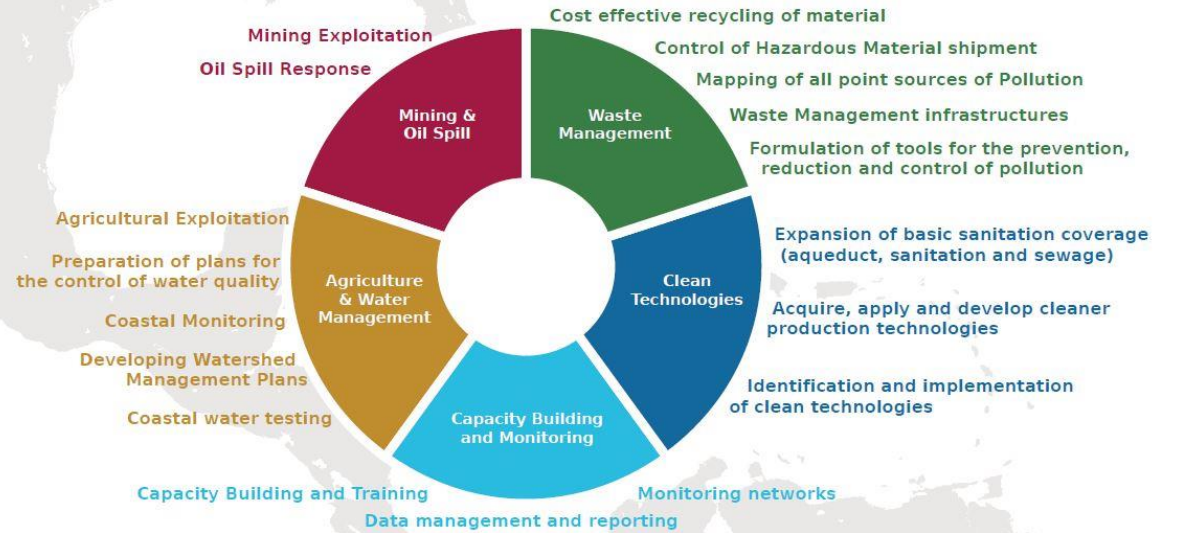
Strategic Partnerships: *CLME+* & *SOMEE*; *State of Habitat*; *Pollution Reports*;

State
Of the
Convention
Area
Report

Addressing Land-Based Pollution The Cartagena Convention

4

List up to three major areas of assistance required by your country in implementing the obligations of the LBS Protocol:



Doc. # UNEP (DEPI)/CAR WG.39/INF.6
Doc. # UNEP (DEPI)/CAR WG.39/INF.10

National Programmes of Action



Doc. # UNEP (DEPI)/CAR WG.39/INF.15
Doc. # UNEP (DEPI)/CAR WG.39/INF.19

Marine Litter/Solid Waste

Trash Free Partnership –
International: *EPA, Peace Corps*
Meeting of Caribbean Node for
Marine Litter
Port Reception Feasibility Study
Mobilization of funding from GPA &
as part of OSPAR Cooperation
from Govts. of *Netherlands &
Sweden*



Doc. # UNEP (DEPI)/CAR WG.39/INF.8
Doc. # UNEP (DEPI)/CAR WG.39/INF.11
Doc. # UNEP (DEPI)/CAR WG.39/INF.12
Doc. # UNEP (DEPI)/CAR WG.39/INF.16
Doc. # UNEP (DEPI)/CAR WG.39/INF.17



Part

7

Challenges

Challenges

Limited Capacity at National Level

Competing National/Political priorities

UMOJA: Travel, Procurement, Contracts

Reduced Government Contributions to CTF:

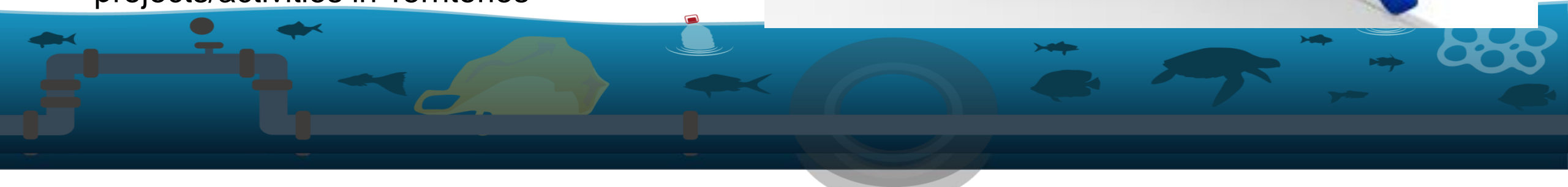
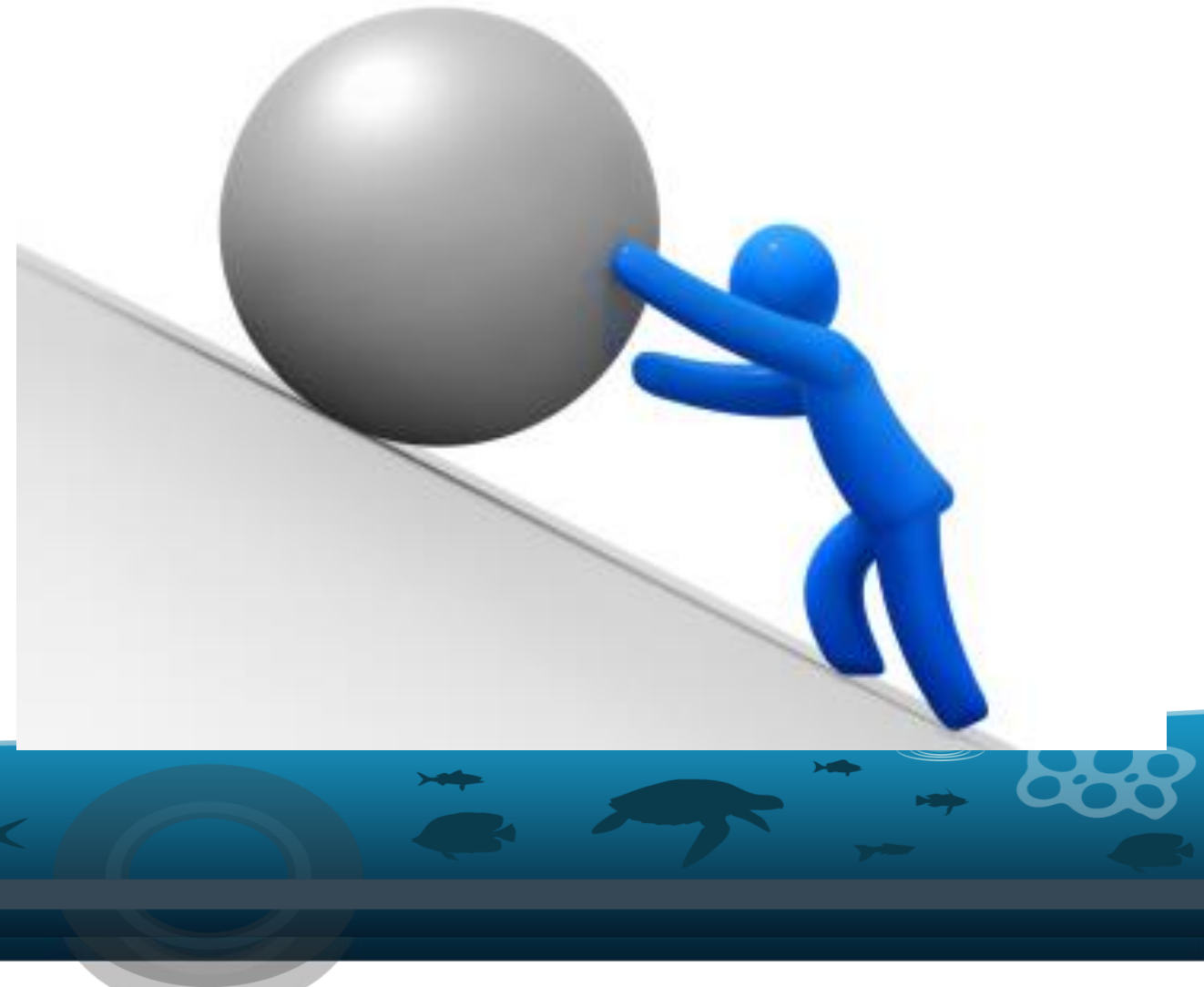
Dependency on Interns

Limited funding for consultancies, translation

May impact on Secretariat Staff

No funding from CTF for activities including communications

Limitations of some donor funding for projects/activities in Territories



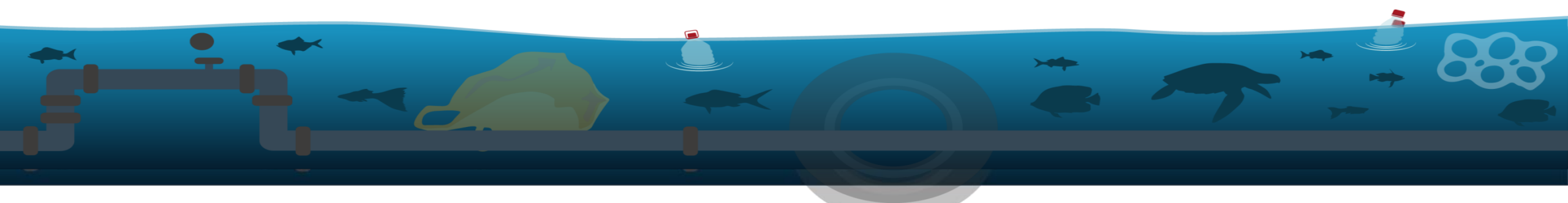


Part **8**

Possible Recommendations

4th LBS STAC may wish to recommend/1:

- Approval of 2019-2020 Draft Work Plan & Budget;
- Strategic priorities and/or focus areas for the Secretariat & Regional Nodes;
- New activities for draft work plan including guidance on resource mobilization;
- New partnership opportunities in pollution prevention, reduction & control;
- Approaches to streamline regional projects & activities (MEAs, UN agencies);
- Linkages between biodiversity & pollution concerns such as Sargassum;
- Improve tracking of related pollution targets & indicators including in support of SDGs 6 & 14;



4th LBS STAC may wish to recommend/2:

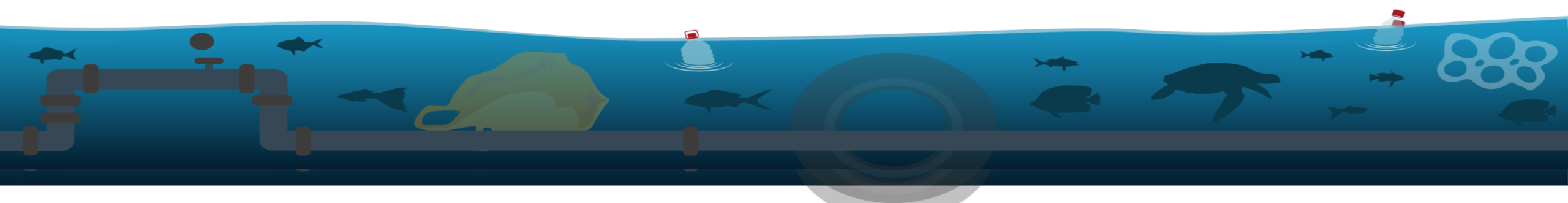
The continued oversight by the Monitoring & Assessment Working Group for the finalization of SOCAR & new roles after the 4th LBS COP;

How to resolve any outstanding areas of concern for SOCAR;

On future mechanisms for institutionalization of SOCAR including for sharing & dissemination of information and through regional & sub-regional governance processes;

Enhancing linkages between pollution & economic development & funding opportunities (including blue economy, EBM approaches, Climate funding etc.);

How to maximize benefits from ongoing & future projects – IWEco, CLME+, CReW+



4th LBS STAC may wish to recommend/3:

- Actions to increase LBS Protocol Ratification & Implementation;
- How best to respond to emerging contaminants & pollutants of concern;
- Issues that the Secretariat should raise at various regional political fora;
- Convening a single IGM incorporating LBS & SPAW COPs;
- On areas to be covered in the new CEP Strategy;
- Establishing MOUs and/or formalizing partner agencies as members of the RAN;
- Expand role of LBS RACs & RAN in project development & implementation;
- Areas of research that could be included in the GCFI Research Strategy (CLME+);
- Enhancing cooperation with OSPAR & other Regional Seas Programmes;

Thanks to our:

National, LBS, GEF & Project Focal Points

Chairs & Members of Monitoring & Assessment Working Group & Data Sub-Group

Directors & Staff of Regional Activity Centres: *IMA & CIMAB; SPAW; REMPEITC*

UN Environment Ecosystem Branch: GPA

Regional Partners: *GEF Project co-implementing & executing agencies (IDB, CARPHA, OECS)*

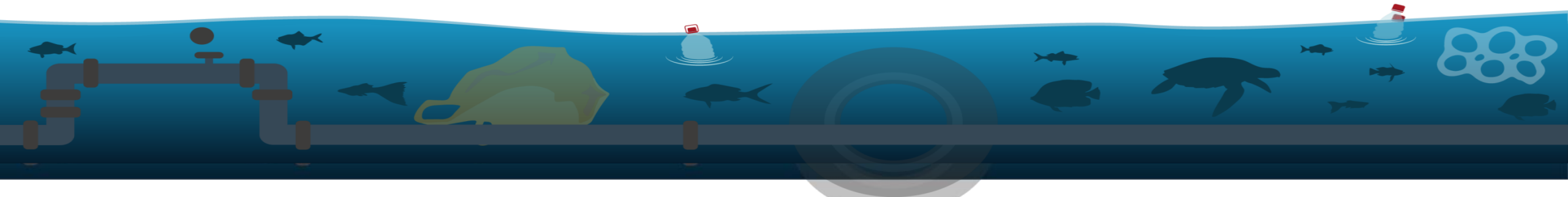
Regional Nodes: Marine Litter & Wastewater (GCFI & CWWA)

IWEco & CLME+: *Regional Project Coordinators & Staff of their Project Coordinating Units*

UN Environment Latin America & Caribbean Sub-Regional Office

Donors: GEF, *USA, Governments of Netherlands, Sweden*

Consultants, Interns, Partners, OSPAR Commission



Thank you



Programme Officer
Pollution & Communications
Christopher.Corbin@un.org;

<http://www.cep.unep.org>

[Facebook](#); [Twitter](#); [YouTube](#); [Instagram](#);