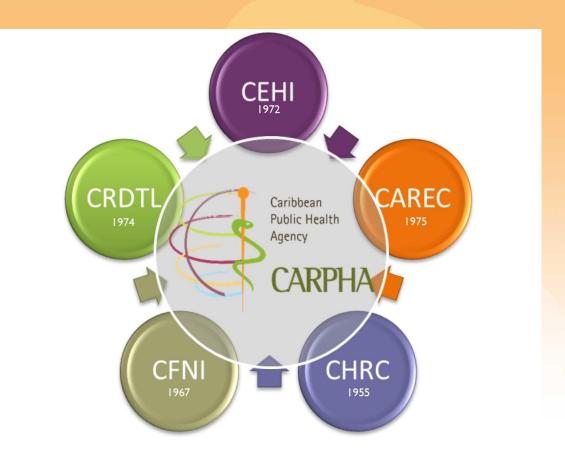


- A CARICOM Institution with responsibility for Public Health and management of the environmental determinants of health
- Merger of former 5 Regional Health Institutions
- Established by CARICOM Inter-Governmental Agreement 2nd July 2011
- Operational 1st January 2013; Headquartered in T&T with campuses in St. Lucia and Jamaica
- Officially launched 2nd July 2013



The Region's Response

A CARICOM
Institution with
responsibility for
protecting human
health, the
environment and
promoting well-being





Who We Serve











Environment and Health Nexus – manage the environmental determinants of health

Sustainable Development/Natural Resource Management

- Resilience in the water sector
- Coastal zone resilience
- Sustainable Land Management
- Livelihood contribution to wellbeing

Environmental Health

- Water Quality Monitoring
- Water Sanitation and Health
- Health Disaster Management
- Occupational Health and Safety
- Climate change and health
- Waste management

Programmes





Environmental Lab Facility









noting and protecting heal

Partnership: Resource mobilization for climate change adaptation and natural resources management







CATS: Ecosystem-based Approach



aims to achieve synergies along typical ecosystems in the landscape from the Ridge to the Reef!

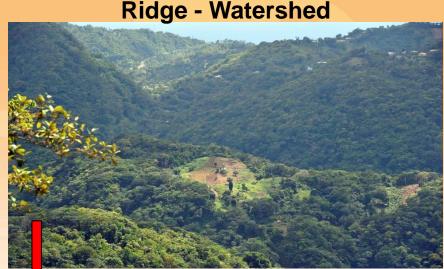
Three focal island nations, namely

- a. Grenada
- b. Dominica
- c. Saint Lucia

MMAs (Marine Managed Areas) and

... their adjacent watershed (Ridge-to-Reef)





Reef – Marine Managed Area



Preventing disease, promoting and protecting health











GEF-Integrating Water, Land & Ecosystems Management in Caribbean SIDS (GEF-IWEco)









Environmental Health and Sustainable Development Department Caribbean Public Health Agency (CARPHA), P.O. Box 1111, The Morne, Castries Saint Lucia W.I., Tel: 758 452 2501, Fax: 758 453 2721 robertly@carpha.org www.carpha.org













Project Objective

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 sustainable forest management that also seek to enhance resilience of socio-ecological systems to the impacts of climate change.



















Project Characteristics

GEF Multi-focal area project

- International Waters (IW)
- Land Degradation (LD)
- Biodiversity (BD)
- Sustainable Forest Management (SFM)
- GEF Small Grants Programme

Supports Cartagena Convention, LBS Protocol & other related MEAs

Project Duration: 2015-2019

Co-implementation: UN Environment & UNDP

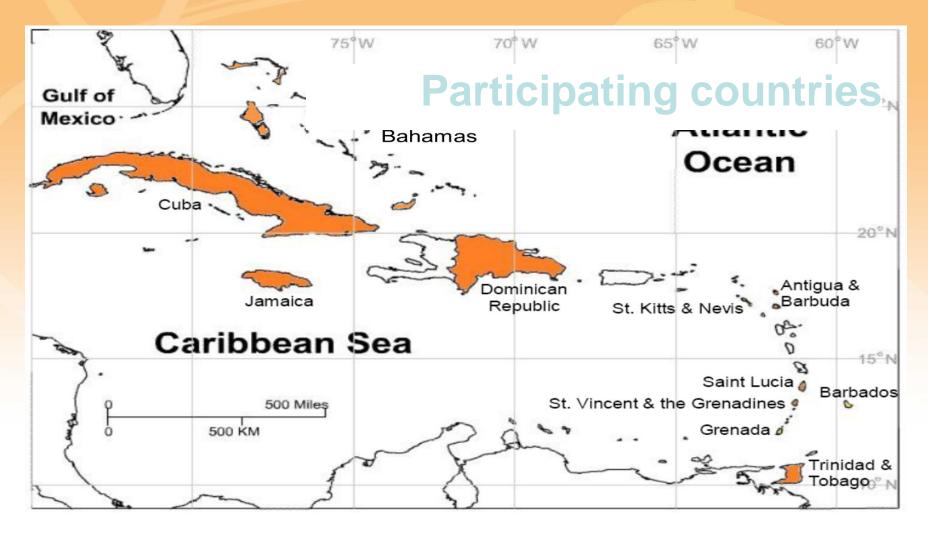
Co-execution: Secretariat to the Cartagena Convention

(UNEP CAR/RCU) & CARPHA

Total GEF Funds: \$20,722,571

Total Co-financing: \$68,017,191







Specific Areas of Focus for National Projects



Antigua & Barbuda Land Degradation



Jamaica Biodiversity



Barbados



Saint Kitts & Nevis Land Degradation



Cuba *Biodiversity*



Saint Lucia Land Degradation



Dominican Republic Biodiversity



Saint Vincent & the C Land Degradation



Grenada



Trinidad & Tobago Land Degradation



Bahamas has a complementary medium sized project





Project Components – National Component

Component 1:
National
Innovative
Solutions

Water Security & Improved Sanitation

Wastewater Management

Land & Watershed Restoration & Ecosystem Resilience















National Component Outcomes

Component

Integrated, targeted innovative climate change resilient solutions

Actions

Management of untreated effluent that are impacting freshwater & marine ecosystems Erosion control,
agricultural nonpoint source
pollution mitigation,
land stabilization &
runoff/flood control

Climate changeadaptive water supply, water use efficiency, water safety & improved sanitation.

Outcomes

Verifiable evidence-based stress reduction at project sites through appropriate sustainable water, land and ecosystems management interventions that account for climate change Enhanced livelihood opportunities and socio-economic co-benefits for targeted communities from improved ecosystem services functioning

Regional Components and Outcomes

Will support national actions

Component 2: Strengthening Water, Land and Ecosystems
Monitoring & Indicators
Frameworks

- Outcome 2.1: Improved decision making based on strengthened national and regional information systems for monitoring of environmental status with respect to key international agreements
- Will support the development of State of Convention Area Report for Wider Caribbean Region

Component 3: Strengthening
Policy, Legislative & Institutional
Reforms; Capacity Building for
Land, Water & Ecosystem Services
Management

- Outcome 3.1: Improved and effective management of water, land and ecosystems resources that account for climate change through strengthened policy and legislation
- Outcome 3.2: Strengthened capacity of national and regional institutions and other stakeholders for improved water, land, and ecosystems management that take climate change into account

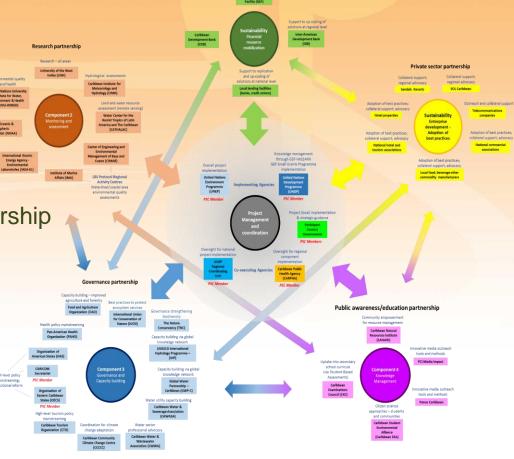
Component 4: Enhancing Knowledge Exchange, Best-Practices, Replication and Stakeholder Involvement

 Outcome 4.1: Enhanced engagement of practitioners and other stakeholders through effective and targeted knowledge management and knowledge sharing networks.

IWEco Partnerships

- Resource mobilization partnership
- Governance partnership

- Public awareness/education partnership
- Private sector partnership
- Research partnership





IWEco Partnerships

Research Partnership

 provide technical advice and scientific research contributions particularly in establishment of monitoring and assessment protocols to track implementation progress based on relevant indicators associated with the GEF tracking tools.

Governance Partnership

 provide technical back-stopping to assist strengthen and mainstream policies and strategies drawing on the knowledge-base of these agencies

Public Awareness / Public Education Partnership

 provide close support through application of innovative tools and methods for expanding buy-in and driving behavioural change around the implementation of the national sub-projects.

IWEco Partnership Forum

 bring in project implementation teams and partner agencies and wider collaborators at the regional level in environment, decision makers to include ministers of government and where relevant Heads of State; promote advocacy, collaboration, knowledge exchange, common regional policy



IWEco Support Partnerships

Private sector partnership

- approach private sector to make concrete commitments based on identified support needs at both regional and national levels.
- Companies already involved in programmes to implement improved environmental standards are potentially good collaborators



Sustainable financing

 to be supported by a small technical advisory group. To include the Caribbean Development Bank (CDB) and the Inter-American Development Bank (IDB) and other relevant agencies, along with GEF Small Grants. Support microsmall business opportunities associated with investments

















Regional Component 2: Strengthening of the SLM, IWRM and ecosystems Monitoring, and Indicators framework



Regional Sub-Component C2.1 Outcome: Strengthened national and regional systems for monitoring of environmental status with respect to key international agreements

Regional Component 2: Strengthening of the SLM, IWRM and ecosystems Monitoring, and Indicators framework

Regional Sub-Component C2.1 Outcome: Strengthened national and regional systems for monitoring of environmental status with respect to key international agreements

Sub-component 2.1.1 Regional environmental indicators compendium

Activity 2.1.1.1 Conduct needs assessment at country level

Activity 2.1.1.2 Convene regional workshop on indicators frameworks

Activity 2.1.1.3 Develop indicators compendium, publish and disseminate



Sub-component 2.1.2 Scientific research to support monitoring at national projects (CARPHA & UWI, NOAA, UNU, IAEA)

Regional Component 2: Strengthening of the SLM, IWRM and ecosystems Monitoring, and Indicators framework

Sub-component 2.1.2 Scientific research to support monitoring at national projects (CARPHA & UWI, NOAA, UNU, IAEA)

Activity 2.1.2.1 Develop research protocols

Activity 2.1.2.2 Conduct applied research in-country (augment national research)

Activity 2.1.2.3. Publish technical and scientific papers (From Y2 – Y5)



Sub-component 2.1.3. Strengthened field monitoring and assessment capabilities (CARHA lead) SGP linking. CANARI & Caribbean Sea

Regional Component 2: Strengthening of the SLM, IWRM and ecosystems Monitoring, and Indicators framework

Sub-component 2.1.3. Strengthened field monitoring and assessment capabilities (CARHA led) SGP linking. Time Stays same. CANARI & Caribbean Sea

Activity 2.1.3.1 Conduct country diagnostic needs assessments

Activity 2.1.3.2 Procure laboratory diagnostic equipment, tools and supplies (on demand basis)

Activity 2.1.3.3 Procure tools and supplies for schools, communities (on demand basis)

Activity 2.1.3.4 Develop training modules and conduct associated training



Sub-component 2.1.4 Develop decision support tools and systems (CARPHA lead but technical support from CATHALAC).

Regional Component 2: Strengthening of the SLM, IWRM and ecosystems Monitoring, and Indicators framework

Sub-component 2.1.4 Develop decision support tools and systems (CARPHA led but technical support from CATHALAC). May have link to community decision-making)

Activity 2.1.4.1 Conduct country needs assessment for decision support tools and systems

Activity 2.1.4.2 Procure hardware and software decision support tools and systems (on demand basis)

Activity 2.1.4.3 Develop training modules and conduct associated training



Proposed Research Topics

- Ocean Acidification
- Micro plastics
- Antifouling paint residues
- Heavy metals in the environment
- POPs in the environment
- Compounding impacts of climate change on pollution







Component 3 Outcome:

Improved and effective management of water, land and ecosystems resources that account for climate change through strengthened policy and legislation and Strengthened capacity of national and regional institutions and other stakeholders for improved water, land, and ecosystems management that take climate change into account;



Cmponent 3 Activities

- Output 3.1.1 New and/or updated national and regional-level plans and strategies for improved water, land and ecosystems management
 - Activity 3.1.1.1. Conduct a regional level review of status of policy & legislative implementation in countries and support the review and upgrade of regional and national strategic and action plans

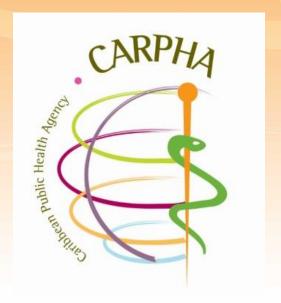
Output 3.1.2 New and/or revised regional and national-level policies, regulations and frameworks for improved water, land and ecosystems management

Activity 3.1.2.1: Support the upgrade/ strengthening/ implementation of new and existing legislative instruments and/or frameworks and/or development of new legislative instruments

3.1.2.2: Develop a regional action framework for Integrated Water Resources Management (IWRM) for the CARICOM Region

Agency

THANK YOU



http://carpha.org/

