

CARIBBEAN COMMUNITY CLIMATE CHANGE CENTRE (CCCCC)



GREEN
CLIMATE
FUND

GLOBAL
PROGRAMMING
CONFERENCE

Project title	Mainstreaming Coral Reef Resilience and Restoration as an Ecosystem-based Adaptation Strategy to Climate Change in the Caribbean Region (MaCREAS)			
Result areas	Sector	Total financing, USD	GCF financing, USD	Financial instrument
Ecosystem and ecosystem services	Public	12,321,000	9,143,8000	Grant (GCF) Guarantee (Co-financing)
Description of specific climate change problem and how the project will address it	<p>The persistent degradation of the reefs ecosystem of the region caused by the negative impacts of climate change operating concurrently with the endemic sustainable development challenge, and anthropogenic stressors. Degradation of the Caribbean's coral reefs has led to the undermining and loss of the vast array of ecosystem services that they provide, such as coastal protection and the singular contribution that the reefs systems make to the all-important tourism sector of the region.</p> <p>Climate change impacts coral reefs primarily through warming ocean temperatures and ocean acidification, and through increased intensity of storm events. The three aforementioned impacts are categorized as being among the top three global threats to coral reefs. The region has experienced over the course of the past few decades increased incidences of all of these aforementioned climate change phenomena. In the face of a growing climate change threat, the problem is expected to worsen if not properly addressed.</p> <p>Barriers to overcome include: (1) Conflict between the pursue of economic development objectives and the sustainable use of marine resources/space; (2) Difficulty in Accessing Financing for Climate Change Adaptation Interventions, especially in relation to marine environment and coral reefs; (3) Deficiencies in the enabling environment; (4) The isolation of the Caribbean Sea; and, (5) The persistence of local (non-Climate Change) stressors on coral reefs</p> <p>MaCREAS proposes the implementation of measures including guidelines, policy, institutional, financial, capacity building, outplaninting, monitoring- that seek to effect a fundamental transformation/paradigm shift in the way in which coral reefs are managed in the region.</p>			
Alignment with key country priorities and stakeholders engaged	<p>Country ownership is embedded in the MaCREAS from inception, throughout the process of conceptualization, scope definition and proposal finalisation (ongoing). The NDAs of the participating countries played a key role in providing information and guidance, coordinating with stakeholders, and reviewing the documents produced. An extensive stakeholder consultation process was undertaken and a stakeholder engagement plan was developed. NDAs oversight of the project development process ensured that the project is alignment with national and regional planning and programming. The proposed project is well aligned with the national development and climate change adaptation plans and policies of all six participating countries.</p>			

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Activities	<p>Component 1: Coral Reef Restocking, Guidelines and policy develop, Spatial plans and National Coordinating framework</p> <div> <div>Activity 1.1.1 Design coral restocking programme</div> <div>Activity 1.1.2.Reef enhancement capacity building</div> <div>Activity 1.1.3 Permitting</div> </div> <div> <div>Activity 1.1.4 Establish/Expansion Culture facilities</div> <div>Activity 1.1.5 Acquire, Propagate Donor material</div> <div>Activity 1.1.6 Coral husbandry</div> </div> <div> <div>Activity 1.1.7 Outplanting of propagated material</div> <div>Activity 1.1.8 Monitoring of outplants</div> <div>Activity 1.2.1 Develop model guidelines & policy</div> </div> <div> <div>Activity 1.3.1 Spatial plans for reefs</div> <div>Activity 1.4.1. Recommend Coordination framework</div> </div> <p>Component 2: Financing and Country Specific Institutional Arrangements</p> <div> <div>Activity 2.1.1 Conduct market study</div> <div>Activity 2.2.1 Design launch operation</div> <div>Activity 2.3.1 Capacity building initiatives</div> </div> <div> <div>Activity 3.1.1 Research, design launch of campaign</div> <div>Activity 3.2.1 Develop sustainability guidelines and certification</div> </div> <p>Component 3: Capacity Building programme - Reef Resource management</p> <div> <div>Activity 3.3.1 technical capacity building</div> </div> <p>Component 4: Monitoring and Evaluation</p> <div> <div>Activity 4.1.1 Design of M & E plan</div> <div>Activity 4.1.2 Execution of M & E plan</div> <div>Activity 4.2.1 Development of post project M & E plan</div> </div>		
Expected outcomes	<ul style="list-style-type: none"> - Strengthened institutional and regulatory systems for climate-responsive planning and development - Increased generation and use of climate information in decision making - Strengthened awareness of climate threats and risk-reduction processes 		<p>Fund level impact</p> <p>Improved resilience of ecosystems and ecosystem services</p>
Paradigm shift potential	<ul style="list-style-type: none"> • <i>Paradigm shift effected in the management of coral reefs in the region through improved planning and decision making, a more sustainable basis of financing, utilization of cutting-edge, innovative tools and methods, proactive coral reef action through a broader coalition of state, private sector and non-state partners, capacity building and knowledge management to ensure greater national consciousness about the value and need to protect coral reefs. Countries will be equipped with a more technically sound basis for long term planning and decision making in respect of their coral reef resources based on observation, assessment and scientific data and information.</i> 		