SPECIAL ADAPTATION TO CLIMATE CHANGE (SPACC) PROJECT
Project Status

PROJECT STATUS

by

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The Vision of the SPACC Project

To support efforts of Small Island and Low Lying Coastal CARICOM States to ***implement specific pilot adaptation measures addressing the impacts of climate change on biodiversity and land degradation***.

The Pilot Uses Three Typical Lesser Antilles Small Island States

- **St. Vincent and Grenadines**
  - **Population 106,000**
  - **Area 389 km²**
- **St. Lucia**
  - **Population 160,000**
  - **Area 616 km²**
- **Dominica**
  - **Population 70,000**
  - **Area 750 km²**

SPACC Project Development Objectives

To support efforts of Dominica, Saint Lucia, and St. Vincent and the Grenadines to implement specific (integrated) pilot adaptation measures addressing primarily, the impacts of climate change on their natural resource base, focusing on biodiversity and land degradation along coastal and near coastal areas. The project also seeks to produce knowledge of global value on how to implement adaptation measures in small islands.

Project Cost and Duration Summary

- Required Project Amount — US$5.47 million
- GEF Contribution — US$2.10 million
- Required Co-Financing — US$3.37 million
  - Participating Countries contribution — US$1.50 million
  - CARICOM Secretariat contribution — US$0.10 million
  - CCCCC contribution — US$0.10 million
  - Others — US$1.67 million
- Project Effectiveness — February 2007
- Project First Disbursement — March 2007
- Project Duration — 2007 - 2011 (4 years)

The project supports two activities

Activity 1

Detailed designs of pilot adaptation programs intended to reduce expected negative impacts of climate change on coastal biodiversity and land degradation.

Activity 2

Supporting the implementation,

on a pilot basis, of selected adaptation projects.

Activity 1 Details

(i) **The technical design of interventions and assessment of expected outcomes**

(ii) **The cost effectiveness analysis of propose adaptation investments under projected GCC scenarios**

(iii) **Monitoring and evaluating of project activities and outcomes, with specific objective of maximizing its learning value**

Activity 2 Details

- **Reduction of water resources vulnerability**
- **Conservation and restoration of coastal ecosystems impacted by GCC**
- **Reduction of pressures on biodiversity from habitat conversion induced by GCC impacts**
- **Reduction of GCC impacts on coastal and marine resources**

Project Implementation by Island

- **St. Vincent and the Grenadines**
  - ***Design and install a sustainable water system in the island of Bequia in the Grenadines based on:***
    - ***Current community needs***
    - ***Likely climate change scenarios***
    - ***Renewable energy technology***
  - ***Climate Change Risk Management for Spring Village, St. Vincent***
- **Saint Lucia**
  - ***Strengthened critical coastal infrastructure in the Castries area***
  - ***Sustainability of Water Resources and Supply of the Vieux-Fort Region of Saint Lucia***
- **Dominica**
  - ***Implementation of adaptation measures in the bio-diverse Morne Diablotin National Park and its Neighboring Communities.***
  - ***Develop and implement an Integrated Ecosystem Management*** for the ***Morne Trois Pitons National Park***

Project Implementation Status in Bequia, Grenadines

- The Main Water Source
  - A reverse osmosis (RO) system identified as most suitable
  - The RO Site selected
  - System capacity has been evaluated
- Power source for RO System
  - A wind/solar generating system identified as most suitable
  - Site selected
  - System capacity being evaluated
- Distribution system identified

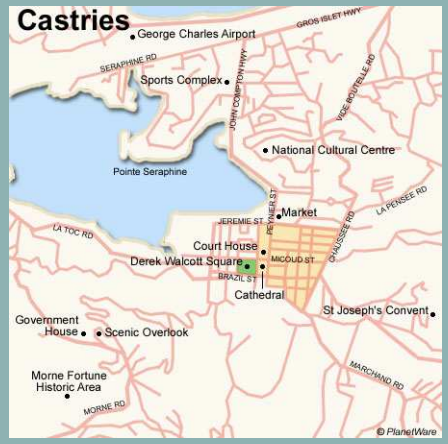
Project Implementation Status in Spring Village, St. Vincent

- **The following have been identified for implementation:**
  - **Development of an early warning system for flash flooding**
  - **Implementation of an alternative farming system to reduce deforestation and hillside farming, and**
  - **Replanting and/or replacement of forest canopy**

Project Implementation Status in Saint Lucia

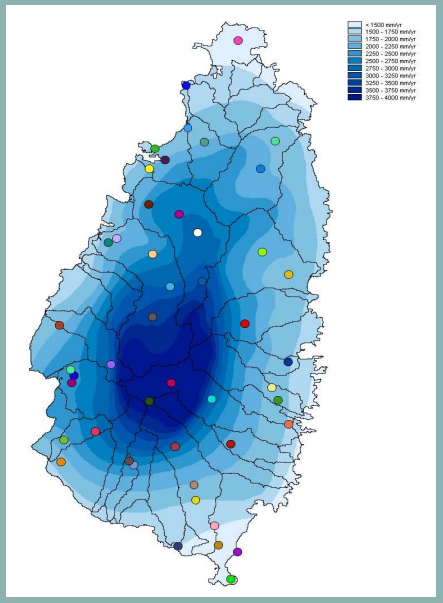
- **The strengthening of a critical coastal infrastructure in the capital city, Castries:**
  - **Infrastructure selected after consultation with the Government of Saint Lucia.**
  - **Development of Engineering Guidelines adjusted for expected increase in design wind speed. The revised guidelines will be incorporated into the Saint Lucia building Codes.**
  - **Consultancy to review and 'climate proof' structural design of the Marchand building in Castries to enhance the management and recovery from the effect of intensified hurricanes and tropical storms.**

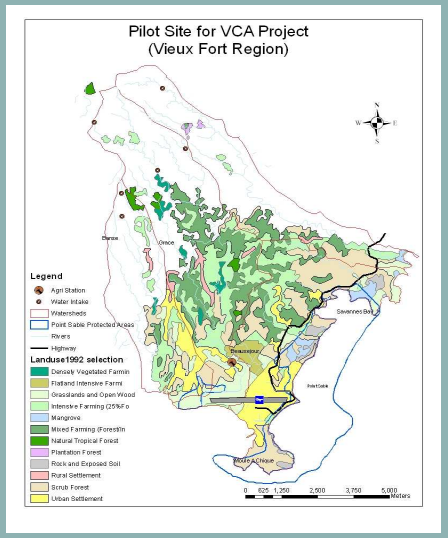
Saint Lucia lies between the North Atlantic Ocean and Caribbean Sea.



Project Implementation Status in Saint Lucia Cont'd

- **Detail design phase in the implementation of a Sustainable Water Resources and Supply in the Vieux-Fort Region of Saint Lucia:**
  - **Co-financing with Coconut Bay Resort a water recycling and rainwater harvesting pilot**
  - **Rainfall is the most significant climatic factor. It is spatially distributed with the northern and southern tips being significantly drier than the interior due to orographic effects.**





Project Implementation Status in Dominica

- ***Implementation of adaptation measures in the bio-diverse Morne Diablotin National Park and its Neighboring Communities:***
  - **Adaptation measures identified focusing on reducing the vulnerability of the Colihaut, Dublanc and Bioche in fishing and agriculture.**
- ***The development and implementation of an Integrated Ecosystem Management*** for the ***Morne Trois Pitons National Park***
  - **Building on a USAID-COT Program, prepare a 'Climate Proof' Management Plan for the Morne Diablotin National Park**


THANK YOU