

ST. VINCENT AND THE GRENADINES



Pilot Programme for Climate Resilience (PPCR)

Manila, Philippines

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Idelia Ferdinand

National Emergency Management Organisation (NEMO)

Government of St Vincent and the Grenadines

BACKGROUND SVG

- **St. Vincent and the Grenadines - over 30 islands, islets and cays.**
- **The largest island, St. Vincent**
- **The Grenadines extends southwest for 45 miles.**
- **Closest neighbours – Barbados, St Lucia and Grenada**

BACKGROUND SVG

- 85% of the population live on this narrow strip 5 m above sea level and less than 5 km from the high-water mark.
- 80% infrastructure is on this narrow strip.
- 90% of economic investments on mainland St. Vincent also on this narrow strip.
- SVG is characterised by a steep rugged interior with only a narrow coastal strip of flat land.



CLIMATE SVG

- Tropical with temperature ranges from 23°- 33° C and mean temperature variation of about 2° C.
- Mean annual temperature has increased by 0.7 °C, at an average rate of 0.16° C per decade since 1960.
- Precipitation climatology shows a unimodal rainfall pattern –one rainy season and one dry season.
- The wet season occurs through May to October, during which the islands receive around 150 - 200mm per month.
- Rainfall patterns are significantly influenced by the El Niño Southern Oscillation (ENSO).

PPCR SCOPING MISSION

- 4 – 5 February 2010.
- Ministry of Finance and Economic Planning – Lead
- The World Bank (WB), Inter-American Development Bank (IDB), the Caribbean Development Bank (CDB), and United Nations Development Programme (UNDP).

PURPOSE OF THE MISSION

- Introduce the objectives, structure, and phases of the PPCR to the lead government agencies and ministries.
- Discuss and agree on the institutional arrangements necessary for the preparation and eventual implementation of the PPCR in SVG.
- Assist the Government with the overall preparatory work for the development of the program.

AGENCIES REPRESENTED

- Ministry of Finance and Economic Planning
- Ministry of Tourism
- Ministry of Health and the Environment
- Ministry of Agriculture, Forestry and Fisheries
- National Emergency Management Organization
- Ministry of National Mobilization and Social Development
- Non-Governmental Organizations
 - JEMS Project Promotions Ltd
 - SANDWATCH
 - SVG Hotel & Tourism Association
 - Independent Consultant, Climate Change & Environment

PPRC RESPONSIBILITIES

- **The Ministry of Finance and Economic Planning will be responsible for Administrative and Fiduciary activities and overall coordination with key stakeholders.**
- **The Project Coordinating Unit, Ministry of Finance will handle Fiduciary and safeguard aspects.**
- **The Ministry of Health and the Environment, through its Environment Management Unit, will take on the technical responsibility.**

GOVERNMENT SUPPORT

- The PPCR program was strongly endorsed by the Government of SVG.
- Climate Change is highlighted in the National Development Plan 2010-2025.
- An allocation was made in the national budget for 2010 to support climate change interventions which complement PPCR.

KEY ISSUES - SM

- The need for a significant level of public sensitization on climate change.
- Identification of best practices in DRR as a first step towards adaptation to climate change.
- Overview of drought on key development sectors, including tourism, energy, agriculture and fisheries.

KEY ISSUES

- **Key concerns water resource management.**
- **Contributing factors to water scarcity**
 - **Changes in rainfall seasonality.**
 - **Degradation of natural catchments in the upper watershed.**

CLIMATE CHANGE INTERVENTIONS TO DATE

- Initial National Communication on Climate Change, 2000.
- National Water Resource Study, 2000
- Integrating Watershed and Coastal Areas Management, 2005.
- Emergency Recovery Disaster Management Project- Layout Coastal Protection Works, 2006.
- Adaptation to the Impact of Climate Change in Bequia, 2009-2011.
- 2nd National Communication on Climate Change.

SPACC - Adaptation to the Impact of Climate Change in Bequia, 2009-2011

- To increase the availability of fresh water in Bequia where already scarce water availability in the Grenadines is expected to worsen due to more prolonged dry-spells and sea-level rise that causes saltwater intrusion into the limited groundwater sources.**
- Project - installation of a salt water reverse osmosis (SWRO) plant to supply the residents of Paget Farm with a continuous supply of potable water, especially during the dry season.**
- The project will install a 50kw wind turbine to offset cost (Connected to VINLEC)**

NEXT STEPS – PHASE 1

- A follow up meeting was held with all stakeholders from both the public sector and NGO's or civil society.
- **Consultant to develop proposals - liaisons for each agency.**
- Team set up to develop TOR for consultancy.



PPCR – PROJECT SUPPORT

- Support for 2nd National Communication on Climate Change to conduct vulnerability assessment – Health, agriculture, Tourism, Water resources.
- Relocation of Coastal Communities.
- Harvesting of sea water in the Grenadines (mainland in light of present drought conditions)

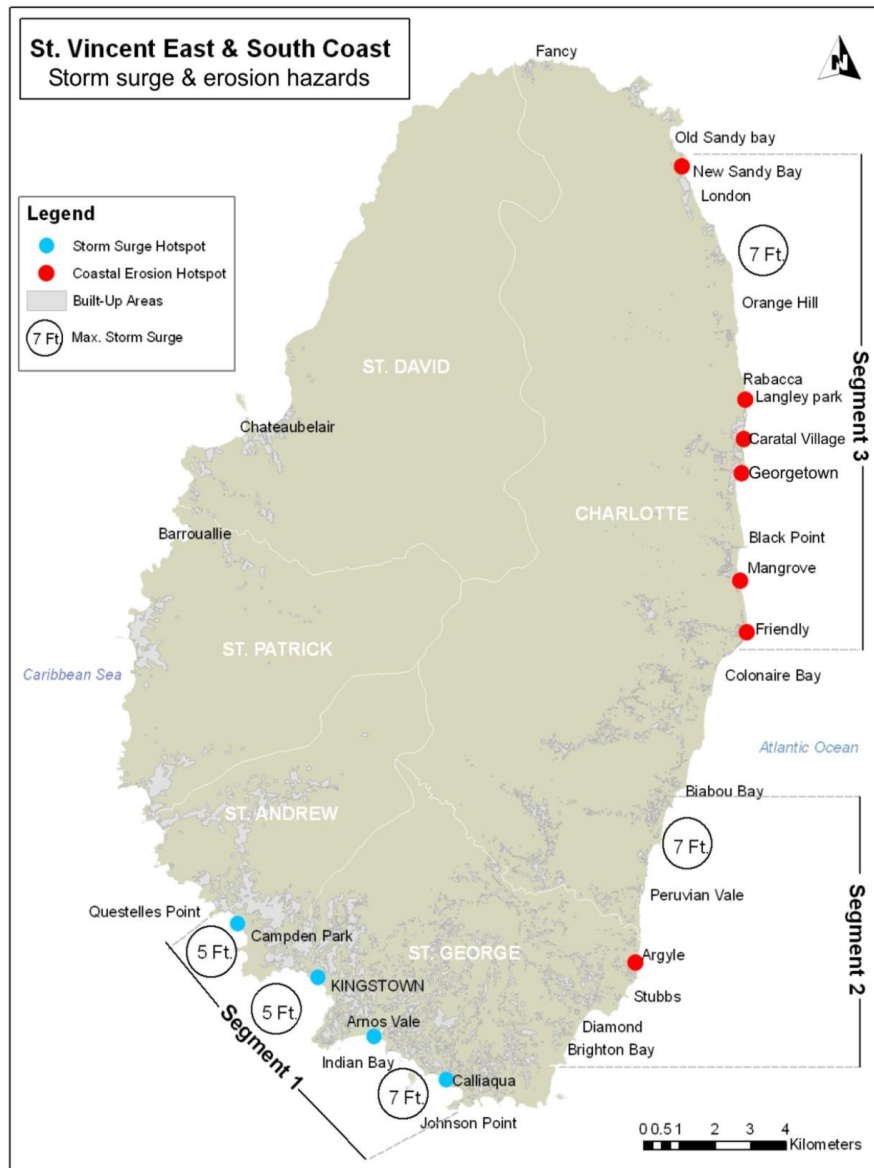
RELOCATION PROJECT 2008



PPCR - POSSIBLE PROJECTS

- Coastal and River defenses.
- Alternative farming measures
- Bathymetric data collection
- National vulnerability assessment and hazard mapping – some coastal vulnerability has been done.
- Building community resilience and sustained public awareness programmes.

Coastal and Storm Surge Erosion



- Erosion and storm surge hotspots are areas where infrastructure is threatened by extreme wave action

QUESTIONS



THANK YOU

