

**Title:** Coastal Vulnerability Assessment in Barbados

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**Hazards Examined:** Multi-hazard

**Study emphasis:** **Please select all that apply:** Economic Development, Disaster Preparedness, Disaster Response and/or Disaster Reconstruction Application

**Summary:** The Caribbean Planning for Adaptation to Global Climate Change project (CPACC) is assisting Caribbean Countries in preparation to cope with adverse effects of global climate change (GCC). A priority concern is sea level rise in coastal and marine areas, for which vulnerability assessment, adaptation planning and capacity building linked to adaptation planning will be undertaken. Barbados, Grenada, and Guyana have agreed to participate in the development and use of vulnerability and risk assessment models for their coastal areas.

The Case Study will be looking at Barbados' development of vulnerability and risk assessment. The areas covered will be the direct impacts of relative sea level rise on the coastline of Barbados with particular attention to the south and west coasts as they are the most heavily populated and sites the island's most critical infrastructure, and the impacts of the associated effects of sea level rise (i.e. erosion, inundation and salinization) on the coastline of Barbados.

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**Vulnerability Indicators:**

**Data Requirements:**

**Output:**

**Results of Application at Case Study Site:**

**Lessons Learned:**

**URL(s) or bibliographical references to/for publications about your case study:**

*For more information on this case study, please contact the author.*