

## **URISA Caribbean 2008 Conference**

August 25 – 29, 2008  
The Ritz-Carlton, Grand Cayman

### **Modeling Sea Level Rise Scenarios in the Cayman Islands**

#### **ABSTRACT**

The Cayman Islands are at risk from the impacts of climate change and sea level rise, largely because of their economic and environmental dependence on coastal zones. Sea level rise is projected to increase rates of coastal erosion and loss of land.

Using GIS, the Cayman Islands Lands & Survey Department has modeled various sea level rise scenarios in order to identify if, and to what extent, critical infrastructure, buildings, roads, and land mass will be affected.

This information is an extremely valuable resource that can contribute to the development of policies and programs that promote sustainable development in the Cayman Islands.

**Amber Biberdorf**  
GIS Analyst

Lands & Survey Department  
Cayman Islands Government  
PO Box 1089  
Grand Cayman KY1-1102  
Cayman Islands

Email: [Amber.Biberdorf@gov.ky](mailto:Amber.Biberdorf@gov.ky)