



ADAPTATION ACTIONS IN THE FACE OF CLIMATE CHANGE

Current climate projections for the region and Belize show that Belize is highly vulnerable to the impacts of climate change.

Given Belize's geographic location and low-lying nature of the coast it is highly vulnerable to sea level rise, erosion, storm surge, and flooding.

Erosion is of major concern to many communities as they are already experiencing it at exacerbated rates. Erosion has led to loss of coastal habitats, property damage, and negative economic impacts.

The National Climate Change Office (NCCO), with support from the Caribbean Community Climate Change Centre (CCCCC), and technical expertise from Cuba's Institute of Marine Sciences and GAMMA S.A. have ca-

ried out crucial assessments of the beach and nearshore systems in Dangriga and Hopkins to build the adaptive capacity of these communities to erosion.

Through this pilot activity, erosion is being investigated along with its root causes, magnitude, and intensity to identify appropriate climate interventions, and for the design and development of a shoreline recovery and stabilization project for the two communities.

This will lead to protection of land and infrastructure along the beachfront for both areas, as well as lessons learnt being applied to other areas.

Preliminary assessments of erosion in Barranco and Placencia have also been carried out, to position them for more in-depth assessments.

