

Name:	1. RESPONDING TO SHORELINE CHANGE AND ITS HUMAN DIMENSIONS THROUGH INTEGRATED COASTAL AREA MANAGEMENT		
Region	Africa	Country	Mauritania, Senegal, Gambia, Guinea Bissau, and Cape Verde
Ecosystem	Marine and coastal		
Nature of approach	Improvement in capacity, design and policy measures (promoting policy change, capacity building); Implementation of EBA measures (pilot schemes, natural resource management)		
Description of approach	<p>Objective/Expected outcomes Climate change scenarios for the West African region anticipate an increase in the frequency and intensity of tidal waves and storm surges, which will exacerbate existing anthropogenic driven erosion and sedimentation problems in the region by moving greater amounts of coastal material. This represents a threat to the highly productive ecosystems in the area, which support significant marine biological diversity and underpin a significant portion of livelihood opportunities for the coastal communities. The impact of climate change on their coastal regions has been highlighted by all five countries as a priority. The project aims to maintain the ecosystem resiliency to climate change along the coastline, because of the risk that climate change will undermine conservation efforts intended to sustain fisheries.</p> <p>Actions Develop and pilot a range of effective coping mechanisms for reducing the impact of climate change induced coastal erosion in vulnerable regions in the five countries in West Africa. The programme of activities includes:</p> <ul style="list-style-type: none"> • Stabilising coastal erosion through rehabilitation of indigenous vegetative cover; • Implementing soil conservation measures to reduce runoff; • Planting of local species for the stabilization of sand dunes; • Ecotourism and forest management; • Mangrove reforestation; and • Developing alternative livelihoods such as beekeeping; • Dissemination of new technologies to release the pressure of degradation of ecologically and socio-economically important mangrove resources. <p>Results achieved The project is ongoing, but findings from the pilot projects will be used to integrate climate change and adaptation issues into existing coastal management, to develop plans and policies that induce cooperation across sectors, to influence the creation or improvement of national policies that facilitate adaptation to climate change in coastal areas, to enhance regional cooperation in undertaking these challenges, and to establish a clearinghouse to store and disseminate lessons and best practices.</p> <p>Lessons learned A cooperative regional response to managing shared marine resources represents an opportunity (e.g. managing issues at appropriate ecosystem scales) and a challenge (e.g. differing country priorities etc).</p>		
Type of organisation	UN Agency	Name of organisation:	UNDP; GEF; UNESCO
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