



UNOPS



**Sustainable Management of the Shared Living Marine Resources of the Caribbean Large Marine Ecosystem (CLME) and Adjacent Regions**

*PILOT PROJECT: Management and Conservation of Reef Biodiversity and Reef Fisheries*

<b>Management and Conservation of Reef Biodiversity and Reef Fisheries Pilot Project – Seaflower Marine Protected Area (MPA), Colombia</b>	
<b>Target Site</b>	Seaflower Marine Protected Area, San Andres, Colombia
<b>Total Budget</b>	US\$ 260,000 (in cash)
<b>Funding Agencies</b>	UNDP GEF – Global Environment Facility UNOPS – UN UNEP – Caribbean Environment Programme
<b>Implementing Agency</b>	CORALINA (Corporation for the Sustainable Development of the Archipelago of San Andres, Old Providence, and Santa Catalina) is the management authority of the Seaflower Biosphere Reserve and MPA.
<b>Project Goal and Objective</b>	This pilot project takes a sustainable development, ecosystem-based management approach to conserving reef biodiversity and fisheries while strengthening productivity and sustainable use of marine resources. Ocean governance will be improved through adaptive management, enforcement, and new regulations and the community will be trained to take a stronger role in enforcement, monitoring, and education.
<b>Location<sup>1</sup></b>	 <p>The Archipelago of San Andres, Old Providence, and Santa Catalina are located in the western Caribbean and include three small inhabited islands and a number of uninhabited cays. The coral reefs include barrier and fringing reefs, atolls, lagoons, and less defined coral banks extending over 500 km. To sustainably manage these globally significant ecosystems and their rich biodiversity, a multiple-use marine protected area (MPA), the Seaflower MPA.</p>
<b>Project Duration</b>	18 months
<b>Key Local Partners</b>	<ul style="list-style-type: none"> <li>○ DIMAR (Secretary of Agriculture and Fisheries, Port Authorities on both islands)</li> <li>○ The Coast Guard of Colombia</li> <li>○ INCODER</li> </ul>

<sup>1</sup> <http://www.unesco.org/csi/smis/siv/Caribbean/SanAndres.htm>

	<ul style="list-style-type: none"> <li>○ The Fishing Board and the Secretary of Agriculture and Fisheries.</li> <li>○ Partners at the Old Providence McBean Lagoon National Park</li> </ul>		
<b>Project Milestones</b>	<ul style="list-style-type: none"> <li>○ Creation and installation of erosion abatement structures</li> <li>○ Enactment of new regulations governing the MPA</li> <li>○ Launch of public education and awareness campaign</li> </ul>		
<b>Components and Proposed Activities</b>	<p><b>Integrated ecosystem-based management needs assessed and management programs strengthened</b></p> <ul style="list-style-type: none"> <li>○ Carry out research expedition to MPA Northern Section</li> <li>○ Implement watershed erosion control measures in MPA Southern and Central Sections</li> <li>○ Implement beach monitoring and erosion control measures in MPA Southern Section</li> </ul> <p><b>Existing regulations analyzed, with new regulations in place and collaborative enforcement mechanisms identified.</b></p> <ul style="list-style-type: none"> <li>○ Analyze existing legal and policy framework related to fisheries</li> <li>○ Initiate an in-depth participatory enforcement planning process</li> <li>○ Train authorities and stakeholders in EBM, reef fish conservation, and invasive species control</li> <li>○ Put in place regulations to improve reef fish conservation</li> </ul> <p><b>Public awareness, education, and outreach focused on regulations and enforcement enhanced.</b></p> <ul style="list-style-type: none"> <li>○ Update queen conch curriculum and introduce in schools</li> <li>○ Carry out island-wide key species education campaigns</li> <li>○ Design and install MPA signage at selected sites</li> <li>○ Produce a local movie on MPA management, reef fish conservation, and invasive species control</li> </ul> <p><b>Best practices transferred between partners with lessons learnt disseminated locally, nationally, and regionally.</b></p> <ul style="list-style-type: none"> <li>○ Lead a workshop on regional conservation and fisheries</li> </ul> <p><b>Adaptive management improved through the introduction of best management practices.</b></p> <ul style="list-style-type: none"> <li>○ Develop and initiate a coral and reef fish recovery pilot program</li> <li>○ Design and implement an adaptive management plan to control invasive species</li> </ul>		
<b>Contacts</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>At UNEP-CEP:</p> <p>Alessandra Vanzella Khouri  Programme Officer, SPAW  United Nations Environment Programme (UNEP)  Caribbean Environment Programme  14-20 Port Royal Street  Kingston, Jamaica  Ph: (876) 922-9267-9  Email: avk@cep.unep.org</p> </td> <td style="width: 50%; vertical-align: top;"> <p>At CORALINA:</p> <p>Dr. Elizabeth Taylor  Via San Luis, Bight Km26, San Andres  Tel: 57 8 512 6853  E-mail:  Elizabeth.taylor@coralina.gov.co</p> </td> </tr> </table>	<p>At UNEP-CEP:</p> <p>Alessandra Vanzella Khouri  Programme Officer, SPAW  United Nations Environment Programme (UNEP)  Caribbean Environment Programme  14-20 Port Royal Street  Kingston, Jamaica  Ph: (876) 922-9267-9  Email: avk@cep.unep.org</p>	<p>At CORALINA:</p> <p>Dr. Elizabeth Taylor  Via San Luis, Bight Km26, San Andres  Tel: 57 8 512 6853  E-mail:  Elizabeth.taylor@coralina.gov.co</p>
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