

ADAPTATION TO CLIMATE CHANGE IMPACTS ON THE COASTAL WETLANDS IN THE GULF OF MEXICO

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March, 2014

Project Objective

The objectives of the Project are (i) to promote adaptation to the consequences of climate impacts in the coastal wetlands of the Gulf of Mexico, through the implementation of pilot measures that will provide information about the costs and benefits of alternative approaches to reduce the vulnerability of said coasts to climate change, and (ii) to assess the overall impacts of climate change on the Recipient's national water resource planning, including the identification of potential response options, with a focus on coastal wetlands and associated watersheds. The experience from the project pilots is intended to inform the Government's future adaptation strategy and development programs in the Gulf region.



Location of wetlands considered for inclusion in the project



Project Components – Component 1.

Design of Selected Adaptation Measures and Technical Coordination of the Project. Detailed design of the adaptation measures to be implemented under the Project, taking into account federal programs of the Recipient that deal with wetland management in the Pilot Areas. Provision of technical assistance to facilitate modeling, generation of data, analysis, and access to information and long-term remote sensing of the Pilot Areas. Provision of technical assistance to facilitate the technical coordination of the Project.

Component 2.

Implementation of Pilot Adaptation Measures in Highly Vulnerable Wetlands. Development and implementation of comprehensive wetland management plans and land zoning for the Pilot Areas (including, inter alia, specific measures and procedures to prevent and otherwise address deforestation and illegal construction) and, in connection therewith, the implementation of a technical monitoring system and the carrying out of adaptation measures as follows.

Component 3: Assessment of the Impacts of Climate Change on Water Resources Planning at a National Level and in Coastal Wetlands including the Identification of Potential Response Options.

Development of climate change impact scenarios on the Recipient's national water resources, hydrologic characterization of pilot emblematic basins with a focus on coastal wetlands and associated watersheds and identification of response options and measures that could be adopted at a national level to incorporate the anticipated impacts of climate change on water resource planning.

Component 4.

Project Management. Coordination of the administrative, financial management, procurement, and safeguards aspects of the Project.

Project cost: 4.5 million dollars.

Execution Period: Five years

Sector Issues Addressed by the Project

The project intends to assist in the assessment of climate change impacts on water sector planning at a national level with emphasis on coastal wetlands and associated watersheds. Under component 3, the project will assist in the assessment of national climate-resilient water resources management responses based on climate change impact studies.

Sector Issues Addressed by the Project

The project, under components 2 and 3, will also **address the need for information and on the ground experience with adaptation measures** in the wetlands in the Gulf of Mexico, deemed amongst the most vulnerable ecosystems in the nation.

The project will address the issue of wetland vulnerability to climate change by supporting climate resilient land zoning regulations that can also reduce the extent of local anthropogenic impacts. The project will generate information useful for climate-resilient wetland management programs in the Gulf of Mexico.

Adaptation measures to address the climate change effects

Adaptation measures, both regionally and nationally, depend mainly on adequate legislation for water distribution, as well as an adequate planning and management rules and available technology.

Dialogue



Develop a National Plan of Adaptation to Climate Change involving all sectors where the water resource is predominantly for its development.

Thanks!

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