


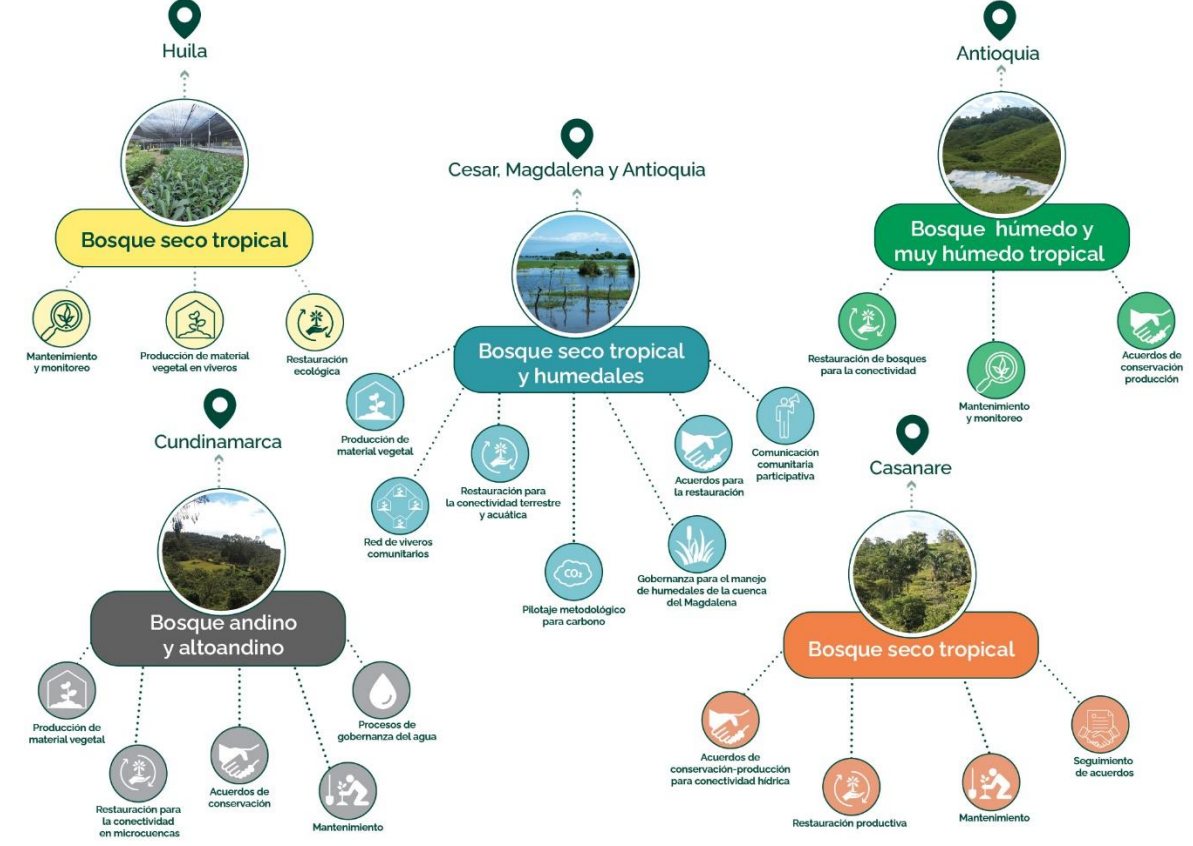















5.7. CO₂ Project: Magdalena Medio Wetlands

<p>Name of the Project</p>							
<p>Partners</p>							
<p>What is the CO₂ Wetlands Project?</p>	<p>CO₂ Wetlands is a project that seeks to conserve and restore tropical ecosystems at the national level and freshwater wetlands in the Middle Magdalena and Magdalena Bajo, as well as to formulate and implement actions for the mitigation of GHG emissions generated by the degradation of these ecosystems.</p>						
<p>Intervention ecosystems</p>							
<p>SDGs to which it contributes</p>							
<p>SbN Social Challenge (IUCN)</p>	 <p>Degradación ambiental y pérdida de biodiversidad</p>	 <p>Mitigación y adaptación al cambio climático</p>	 <p>Seguridad del agua</p>	 <p>Reducción del riesgo de desastres</p>	 <p>Desarrollo económico y social</p>	 <p>Seguridad alimentaria</p>	

<p>Actions</p>	<ul style="list-style-type: none"> • Methodology for the implementation of projects to reduce GHG emissions due to degradation of tropical wetlands and the implementation of a pilot project based on the preliminary application in two wetlands of the Magdalena-Cauca basin. • Connectivity corridors through the planting of trees within the framework of ecological restoration processes, enabling the possibility of GHG mitigation. • Early actions for wetland management, knowledge management in greenhouse gas balance in wetlands.
<p>Main results</p>	<ul style="list-style-type: none"> • Review of existing national and international carbon methodologies for wetland ecosystems, where gaps and needs for their application in tropical wetlands in Colombia were identified. • Signing of an agreement between Fundación Natura and BioCarbon Registry for the joint development of a methodology to reduce GHG emissions from degradation of tropical wetlands, including carbon and biodiversity attributes. • Selection of a pilot site for the application of the carbon methodology, for the development of a pilot carbon project in wetlands. • Consolidation and strengthening of a governance agreement, through the identification and strengthening of stakeholder networks in the region, through meetings and workshops in the selected pilot area. • Proposal for the operational definition of wetlands for the middle and lower Magdalena, following national guidelines for monitoring and follow-up of these ecosystems. • Generation and implementation of a robust statistical methodological proposal for the definition of wetland monitoring zones for the estimation of carbon and GHG contents in the five IPCC compartments (Biomass, OM, Soils and sediments, and Biodiversity). • Construction of methodologies for field data collection and laboratory analysis for carbon and GHG content estimation in the five IPCC compartments. • Progress towards the generation of an inter-administrative agreement with the Institute of Hydrology, Meteorology and Environmental Studies - IDEAM, for specialized technical support in the process of formulating and implementing the protocol in order to ensure the quality of the process under national standards. • 100,000 trees planted by December 31, 2022, which contribute to Ecopetrol's national and global goal. In addition to the contributions to local connectivity and landscape processes, socioeconomic strengthening of local communities. • Baseline in areas of intervention, which enables control over the plant material planted and, in the future, implement the monitoring program and measurement of carbon sequestration. • Management of 100 conservation agreements by December 31, 2022, which contribute to strengthening governance and planting processes in the territories. • Construction of a participatory methodology to produce communicative material based on community realities. • Effective positioning in social networks and the media, with advances in the implementation and fulfillment of the project's objectives.

Opinions

"This project will contribute to the consolidation of conservation processes in the swamps of the Middle and Lower Magdalena, the largest wetland complex in the country, to the terrestrial and aquatic connectivity of ecosystems and will have a significant contribution in the development of methodologies to measure reduction of Greenhouse Gas emissions" **Nancy Vargas – Deputy Technical Director**