



Challenge address

Contribute to the restoration and conservation of tropical forest and wetland ecosystems to mitigate GHG emissions



CO₂ Humedales

Introduction

This project aims, under an integrative approach, to generate changes towards sustainability through: i) develop methods to estimate carbon content in continental wetlands ecosystems with a proposal for their long-term management and ii) the restoration of strategic areas; both scopes as nature-based solutions that contribute to the mitigation and adaptation to climate change in Colombia.

Term

2021-2024

Key Message

- Ecosystem conservation and restoration.
- Formulation and implementation of actions to mitigate GHG emissions.
- Establishment of connectivity corridors through tree planting.
- Territorial actions to strengthen local governance.
- Management of strategic ecosystems for the country.

Challenges addressed by the alliance



200 conservation agreements



BCR methodology for carbon projects in continental wetlands



650.000 trees planted through restoration approach



Proposal for a carbon project in the Zapatos swamp complex



Protocol to estimate carbon contents in wetlands



Contributions to strengthen governance



Key words



- Conservation
- Restoration
- Carbon dioxide
- Communities
- Governance
- Wetlands
- Tree planting
- Ecosystems



Solution Design

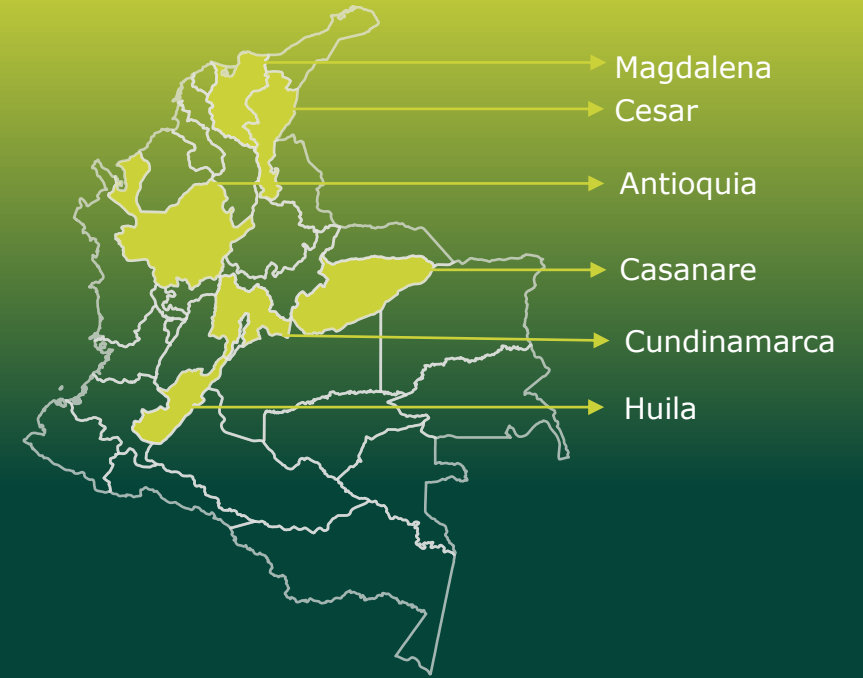
The CO2 Wetlands project contributes to the conservation of biodiversity and the comprehensive management of climate change. Its objective is to join forces for the conservation and restoration of tropical forest ecosystems at the national level and freshwater wetlands in in the Middle and Lower Magdalena Basin, as well as the formulation and implementation of actions for the mitigation of GHGs generated by the degradation of these ecosystems.

The articulated work between fishing communities, private landowners, non-governmental organizations, governments and technical team, strengthens and complements the efforts that the project carries out in the territories.

- Contribute to Colombia's goal of planting 180 million trees and 300,000 hectares in restoration processes.
- Contribute to Colombia's goal of reducing greenhouse gas emissions by 51% by 2030.
- Generate knowledge to adequately manage ecosystems.
- Contribute mitigation and adaptation to climate change.



Area of influence



Environmental Indicators

- Trees planted: 539,965
- Species on the Red List: 5
- Areas under restoration:
- Casanare, Cesar, Magdalena, Huila, Antioquia, Cundinamarca.

Social Indicators

- Conservation agreements: 200
 - Trained people: 550
 - Beneficiary families: 200
- Governance agreements in the territories: 5

Economical Indicators

- + 300 Jobs generated (56% men – 44% women)
- +650,000 plants acquired in nurseries - 80% community nurseries and 20% private and/or own nurseries



Impact Metrics



Economic sector

AFOLU*, Community Fishing and Investigation



Sustainable Development Goals - SDG



Achievements and Lessons Learned

Cumulative as of December 2023

- 1 539,965 trees planted through restoration actions in 6 departments of the country.
- 2 +550 people benefited through the signing of 185 conservation agreements.
- 3 +290 hectares established in restoration processes for conservation.

2023

- 1 Carbon contents in high and low waters in the Zapatosa swampy complex.
- 2 +7,000 reports of participatory fishing monitoring in different variables.
- 3 Monitoring to the development and carbon capture of trees planted in restoration processes.

More information

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Know more about this Project here

<https://acortar.link/hQA1AL>

*AFOLU: Agriculture, Forestry and Other Land Uses