Challenge address
Contribute to the restoration and conservation of ecosystems to mitigate GHG emissions

CO_2 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 Zapatosa 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

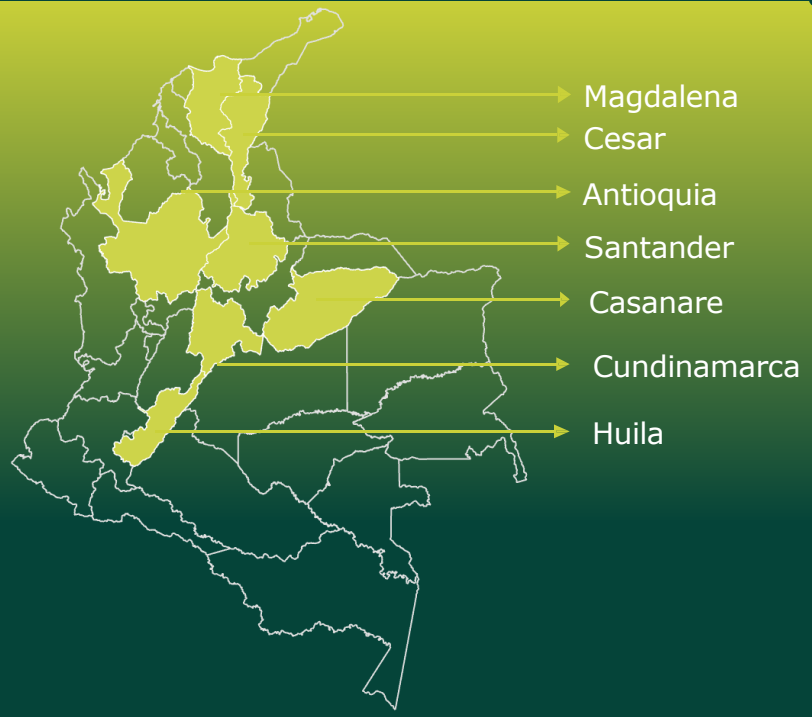
CO_2 Wetlands is an initiative created with the aim of contributing to the conservation of biodiversity and the management of climate change through actions such as i) the development of methodologies for the estimation of carbon and biodiversity contents in inlands wetlands, ii) the identification of actions that contribute to the reduction of pressures on these ecosystems, iii) the closing of gaps in knowledge favoring informed decision making based on science, iv) the implementation of measures that improve the livelihoods of local communities, the protection of biodiversity and carbon removal through ecological restoration, and v) strengthening governance through articulation with various actors

Promotion of green jobs and green businesses

Methods to estimate carbon and biodiversity in inlands wetlands

Short, medium and long-term actions that contribute to the protection of biodiversity

Area of influence



Impact Metrics

Environmental Indicators

- Trees planted: 651,386
- Restored area: +300 ha
- CO_2 Removed: +30.000 Ton
- Amount of species planted: +60 species
- Red List Plant Species: 5

Social Indicators

- Conservation agreements: 205
- Trained people: 550
- Beneficiary families: 200
- Governance agreements in the territories: 7

Economical Indicators

- +300 Jobs generated (56% men – 44% women)
- +80% of tree planted were acquired in community and local nurseries +3.000 wages contracted for restoration activities

Economic sector

Restoration, Fishing and Livestock

Sustainable Development Goals - SDG

Achievements and Lessons Learned

Cumulative as of December 2024

1. 651,386 trees planted through restoration actions in 6 departments of the country
2. +600 people benefited through the signing of 205 conservation agreements
3. +300 hectares established in restoration processes

2024

1. Estimation of carbon content for the DRMI-Ramsar Zapatosa
2. Protocol to estimate carbon in inlands wetlands
3. BCR-0007 Continental Wetlands Methodology for the development of carbon and biodiversity projects
4. +30,000 Tons of CO2 removed, which contributes to the conservation of biodiversity

More information

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Know more about this Project here

https://surl.li/plqzje
https://surl.li/uhawuv