



Climate Change Mitigation Project

Orinoco₂ Carbono del orinoco

Introduction

ORINOCO2 Orinoco Carbon is a climate change mitigation and biodiversity conservation project that reduces emissions caused by deforestation, forest degradation and land use change in the savannah ecosystem within the high plains of the departments of Meta, Casanare and Vichada. It also generates social and environmental co-benefits and contributes to the Sustainable Development Goals: 13. Climate action and 15. Life and terrestrial ecosystems.

Term

2022-2034

Key Message

The project is developed under a model of effective collaboration between the Cataruben Foundation, Ecopetrol, and landowners, promoting transparency and active participation in the implementation of conservation measures. Each party plays a fundamental role in the success of the project, working together to achieve the goals of reducing emissions and conserving ecosystems.

Challenges addressed by the alliance



Climate change mitigation and adaptation



Environmental degradation and biodiversity loss



Lack of financial resources or financial tools aimed at conservation and implementation of mitigation actions



Key words



- Mitigation
- Adaptation
- Biodiversity
- Co-Benefits
- Climate Change
- Savannas
- Orinoquia
- High plains



Solution Design

In the design and development of the project, the Cataruben Foundation acts as the project holder, Ecopetrol as a strategic ally, and the landowners as ecosystem managers or project participants. Cataruben and Ecopetrol are responsible for creating the enabling conditions for the project, as well as leading the monitoring, reporting, validation management, verification, carbon credit marketing, and economic benefit distribution procedures. Meanwhile, the landowners carry out the necessary activities within the boundaries of each of their properties.

This synergy between actors allows us to take advantage of the potential of multiple private properties, thus maximizing environmental and social benefits, supporting them in a model of cooperation and shared responsibility that strengthens the sustainable management of ecosystems and contributes to climate change mitigation, the conservation of natural savannas, and incentivizes sustainable productive development.



Area of influence



Departments of Meta and Vichada, in the region known as the Colombian high plains of the Orinoquia. To date, 149 farms have been included, totaling an area of 186,329 hectares.

Environmental Indicators

- Areas under conservation: 215,094.5 ha
- Areas of conserved forest: 51,000 ha
- Areas of natural savannah: 164,094

Social Indicators

- 300 conservation agreements signed for 15 years

Economical Indicators

- 1 payment mechanism for GHG mitigation results in implementation



Impact Metrics



Economic sector

Sector AFOLU



Sustainable Development Goals - SDG



Achievements and Lessons Learned

Cumulative as of December 2024

- 1 118 farms have taken action to prevent forest fires.
- 2 302 families benefited
- 3 11 farms use eco-efficient stoves and 5 have established dendroenergy banks.

2024

The environmental and socioeconomic conditions of the region put pressure on the degradation and transformation of natural ecosystems. This situation generates a negative impact that demands the search for alternative solutions. It is vital to promote markets such as Payments for Environmental Services, carbon credits, biodiversity or nature credits. These mechanisms offer incentives to communities to embark on a path of sustainable development, where the conservation and restoration of savanna ecosystems become fundamental pillars.

More information

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Know more about this project [here](#)