

GENERATE ENVIRONMENTAL INFORMATION ON MARINE AND COASTAL MANGROVE AND SEAGRASS ECOSYSTEMS OF LA GUAJIRA IN AREAS OF INTEREST TO ECOPETROL S.A., INPUT FOR THE DEVELOPMENT OF A STRATEGY FOR THE MANAGEMENT OF ECOSYSTEM SERVICES THAT PROMOTES PARTICIPATORY CONSERVATION



Project Code: PRY-GEZ-010-2024

Problem/Opportunity:

Maintaining and conserving mangrove and seagrass areas is important today because of the ecosystem services they provide in coastal areas (climate regulation, mitigation of coastal erosion and coastal loss and biodiversity conservation, among others), so identifying the current and future potential of these ecosystems in the context of climate change becomes a goal that contributes from every point of view to the interests of the country. Ecopetrol in its interest to expand knowledge to improve its environmental management system in communion with national goals, proposed to Invemar to work jointly on this goal, so that, together with the support and awareness of the communities associated with the study area in La Guajira, the management of the marine territory of the department can be improved.

General objective:

Generate environmental information on marine and coastal mangrove and seagrass ecosystems of La Guajira in areas of interest to Ecopetrol S.A., input for the development of a strategy for the management of ecosystem services that promotes participatory conservation.

Specific objectives:

1. Evaluate the current status of mangrove and seagrass ecosystems in the study area.
2. Collect biophysical information in the area to determine the capacity of mangroves and seagrasses as carbon sinks.
3. Carry out cartographic updating and multitemporal and spatial analysis of mangrove and seagrass ecosystem cover.

Target population:

- Coastal Wayuu Community
- Corpoguajira
- Ecopetrol

To which SDG does the project contribute?



UN Ocean Decade of Science and Sustainable Development Outcomes

1. A clean ocean where sources of pollution are identified and removed
2. A healthy and resilient ocean where marine ecosystems are mapped and protected
3. A predicted ocean where society has the capacity to understand current and future ocean conditions
4. A safe ocean where people are protected from ocean hazards.
5. A sustainably harvested and productive ocean ensuring the provision of food supply
6. A transparent ocean with open access to data, information and technologies
7. An inspiring and engaging ocean where society understands and values the ocean.

Expected Outputs:

4. Project work plan, schedule of activities, methodology for the development of the activities and conformation of the work team.
5. Technical progress report # 1: Document with the review of studies on the status and progress in the restoration of

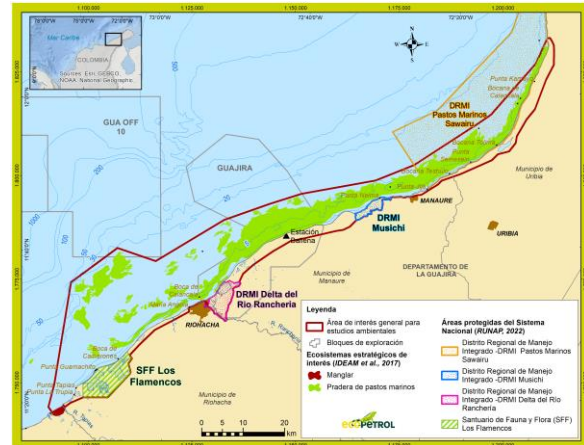
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mangroves and seagrasses and their role in climate change at global, regional and local levels.

6. Technical Progress Report # 2: Document with the progress report to date and field trip and financial report.
7. Technical Progress Report # 3: Document with analysis of the state of the ecosystems and progress of the CA stocks in seagrasses and mangroves and Financial Report.
8. Technical progress report # 4: Seagrass layers at a scale of 1:50,000 and mangroves at a scale of 1:10,000, Report on the dynamics of gain-loss or permanence over time and financial report.
9. Final compilation technical report and agreed products and final financial report.

Representative image:



Geographic area of the project:

Coastline of the Department of La Guajira.

Duration:

August 8th 2024 to August 7th 2025

Financing Institution:

ECOPETROL

Institutions participating in the project:

CORPOGUAJIRA

INVEMAR programs, areas or coordination participating in the project:

GEZ - BEM

Project Coordinator: GEZ Coordination

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