

Gestión para la Resiliencia de Ecosistemas Estratégicos y Biodiversidad de las Regiones Pacífico y Caribe de Colombia



Project Code: PRY-CAM-009-24

Problem/Opportunity:

The Pacific and Caribbean regions of Colombia are two of the country's most diverse, yet threatened and vulnerable natural regions. They face great social challenges, economic and environmental pressures, and a historical struggle between interests for territorial control. In this adverse context for biodiversity conservation, the project was submitted to the call of the International Climate Initiative (ICI) promoted by the Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) of the Federal Republic of Germany in 2018, whose objective was oriented to contribute to proven models for integrated management in the strategic marine-coastal and terrestrial ecosystems (mangroves, dry and tropical rainforest) of these two regions of Colombia.

This project will be developed in consortium between Fondo Patrimonio Natural (FPN), INVEMAR, Instituto de Investigaciones Ambientales del Pacífico- IIAP and FORLIANCE, under the approach that combines resilient sustainable management of biodiversity with the empowerment of local authorities and communities to generate economic incentives for conservation. It also supports the consolidation of value chains and biodiversity-based enterprises, which contributes to meeting national biodiversity conservation and GHG emission reduction goals.

INVEMAR will develop activities focused on contributing to the conservation of the marine-coastal landscape in the Archipelago of San Andrés, Providencia and Santa Catalina (ASPSC) through the implementation of conservation, restoration, management and sustainable development strategies.

Overall Objective: Pacific and Caribbean communities and institutions adaptively manage their strategic ecosystems by integrating tools, new knowledge and economic opportunities for climate and biodiversity protection.

Specific objectives:

- Planning and adaptive management instruments for strategic ecosystems implemented by articulated territorial stakeholders.
- Sustainable, inclusive and innovative business initiatives are promoted for conservation and adaptation in strategic ecosystems.
- Knowledge management system coordinated with the national environmental agency information systems that provide information to communities and institutions involved in the project.

Target population: Population of San Andres Island, competent authorities CORALINA, Governor's Office, ONG's, Raizal community and residents, local businesses, or innovative economic opportunities.

To which SDG does the project contribute? (*see SDG list with images)



ODS 13: Take urgent action to combat climate change and its impacts

ODS 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

ODS 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

UN Ocean Decade of Science and Sustainable Development Outcomes (Select with a click)

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:

- Activity (A.I.I.6): Creation of planning and environmental regulation guidelines for the seagrass ecosystem to promote its Conservation and management. (Invemar)
- Activity (A.I.I.7): Design and implementation of prevention measures for comprehensive waste management aimed at protecting the marine and coastal ecosystems of the Archipelago. This action is tied to Output 2 as it will seek to identify economic opportunities for its use within the waste management measures from a circular economy perspective. (Invemar)
- Activity (A.I.I.8): Design and implementation of conservation measures and connectivity models at the landscape scale for the conservation and restoration of mangrove ecosystems in the prioritized areas of the San Andrés and Providencia Archipelago (SAI). (Invemar)
- Activity (A.I.II.3): Strengthen community capacities for adaptation to climate change based on ecosystems, restoration and participatory monitoring, prevention and environmental protection (Invemar).
- Activity (A.I.III.4): Scale up economic incentives for the conservation of mangrove ecosystems in coordination with CORALINA, the regional environmental authority that includes identifying opportunities offered by the current national regulatory framework to encourage the conservation of strategic ecosystems, identifying available resources, and designing access routes to these resources and implementing mechanisms for a combined financing (Invemar)
- Activity (A.II.I.1): Agree on the preparation process and methodology for the development of green businesses, including the creation of a technical and commercial support team (competitive intelligence card) in each territory, including local experts. (Conexión, IIAP, Invemar, FPN)
- Activity (A.II.I.2): Characterize potential green businesses (including baseline, degree of development of the business model, access to markets, financial access, organizational status, level of technology use, and mapping of risks associated to climate change and opportunities for adaptation). (Conexión, IIAP, Invemar, Forliance, FPN)
- Activity (A.II.I.3): Prioritize with the green businesses the most relevant strengthening actions according to their level of development, climate risk and adaptation opportunities to establish the technical

accompaniment plan for adaptive management and investment. (Conexión, Invemar, FPN)

- Activity (A.II.I.4): Provide technical support to the green businesses for the implementation of the technical accompaniment plan for adaptive management and investment. (Conexión, Invemar, Forliance)
- Activity (A.II.II.1): Design and implement the strategy for capacity building, hard and soft skills and development of socio-business competencies from an adaptive management approach to climate change aimed at entrepreneurs of green businesses, with methodologies that include women and youth. (Conexión, Invemar, IIAP and Forliance)
- Activity (A.II.II.3): Provide technical assistance in value-added best practices and adaptive management. (Conexión, IIAP, Invemar)
- Activity (A.II.III.1): Design and develop surveys and market studies for green business products and services with a focus on their barriers. (Conexión, Invemar)
- Activity (III.II.1): Develop and implement dissemination, knowledge and experiences exchange models for communities and institutions in each territory, articulated with the communications strategy (e.g., knowledge networks, knowledge exchange actions). This includes the design and implementation of advocacy actions in public policies at local, regional and international levels in both the public and private sectors. (FPN, Conexión, IIAP, Invemar, Forliance)
- Activity (III.II.3): Update of the SIAM thematic information systems and creation of a seagrass information system that includes 1) development of SIGMA data standardization and quality mechanisms for the incorporation of baseline information and mangrove characterization and restoration indicators, 2) Enter historical and current information into the seagrass management system, 3) Develop and test the platform for seagrass management, 4) Develop mechanisms to incorporate the information resulting from the pilot on economic incentives in CLIMARES, 5) Develop within the REDCAM component new tools to include wasterelated information. (Invemar).

Geographic area of the project: Archipelago of San Andres and Providencia.

Duration: 22 July 2024 to 31 January 2029.

Financing Institution: Means the German Federal Ministry for the Environment, nature Conservation, Nuclear Safety and Consumer Protection.(BMUV)

Institutions participating in the project:

Gestión para la Resiliencia de Ecosistemas Estratégicos y Biodiversidad de las Regiones Pacífico y Caribe de Colombia

- Patrimonio Natural Fondo para la Biodiversidad y Áreas Protegidas - FPN,
- Instituto de Investigaciones Marinas y Costeras “José Benito Vives de Andréis” – Invemar
- Instituto de Investigaciones Ambientales del Pacífico -IIAP
- FORLIANCE GmbH

INVEMAR programs, areas or coordinations participating in the project:

- Programa CAM, Línea PEM y Línea RAE
- Coordinación GEZ, Línea CGP y LABSIS
- Programa VAR, Línea VAE
- Programa BEM, Línea ODI

Representative image: (Insert photo and short description)



Apertura proyecto - Consorcio

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Sustainable Development Goals List of Images

SDG 1: Eradicating poverty in all its forms.		SDG 11: Make cities and human settlements inclusive, safe, resilient and sustainable	
SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture.		SDG 12: Ensure sustainable consumption and production patterns	
SDG 3: Ensure healthy lives and promote well-being for all at all ages		SDG 13: Take urgent action to combat climate change and its impacts	
SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all		SDG 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development	
SDG 5: Achieve gender equality and empower all women and girls		SDG 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss	
SDG 6: Ensure availability and sustainable management of water and sanitation for all			
SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all			