

In cooperation with:



Published by:



Supported by:



based on a decision of the German Bundestag

Solving climate challenges through nature

Promoting Nature-based Solutions for resilient, low carbon and biodiverse territorial development (SolNatura).

Context

Colombia, despite being a country with a great diversity of species, faces great socio-environmental challenges. In fact, it is one of the countries most vulnerable to the effects of climate change (such as floods and droughts). This is because unsustainable territorial development models cause the loss of ecosystems. When ecosystems are not in good condition, the capacity to cope with such undesirable effects is lost, putting people's livelihoods at risk. How can a rural person respond to an unexpected drought season in his or her crop?

Nature-based Solutions (NbS) are an option to solve these challenges. And at the same time provide well-being for people and enhance the benefits of nature (such as access to food, carbon sequestration and habitat for multiple species).

Challenges such as lack of water or food, risk of disasters and adaptation to climate change can be addressed through:

- Protection - Restoration - Sustainable use

of key ecosystems. Such actions must also respect the rights of indigenous peoples and local communities, youth and gender equality.

A restored mangrove forest, for example, creates a natural barrier against coastal flooding and provides habitat for multiple animals. Tree planting in a city and the use of green roofs lowers temperatures, improves quality of life, reduces the use of air conditioners, allows the soil to absorb rainwater, and prevents flooding. Urban organic and community gardens enhance the presence of pollinators, produce food, and can also become business opportunities.



Commissioned by	Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV)
German contribution	17.350.000 Euro
Political partner	Ministry of Environment and Sustainable Development (MinAmbiente)
Implementing partners	Fondo Accion (FA) The Nature Conservancy (TNC)
Intervention zones	Departments of Cordoba, Huila, and Santander
Duration	08/2022 – 07/2028

Objectives

Key actors successfully implement Nature-based Solutions that transform territories to become more resilient, biodiverse, low-carbon, and contribute to meeting climate goals (Nationally Determined Contributions - NDC).

What we want to accomplish

SolNatura works with local communities, territorial entities, environmental authorities, financial entities and the committees of the National Climate Change System (SISCLIMA, by its initials in Spanish).

The project is being developed in the departments of Córdoba, Huila and Santander under the following four fields of action:

- 1. Design from the local level:** research centers, governmental entities, private sector and civil society design NbS portfolios through innovation and research clusters. These portfolios promote sustainable models of territorial development and contribute to the fulfillment of the NDC goals.

2. **Strengthen financial support:** financial and economic instruments from the private or public sector are developed or adapted to finance NbS implementation. It includes the establishment of a financing mechanism and the mobilization of private and public resources.

3. **Strengthen local capacities:** 24 NbS are prioritized and their implementation is supported in the 3 departments. Consideration is given to risk reduction, gender focus, involvement of all key stakeholders, budget and monitoring, reporting and verification guidelines. In such a way that the security of the target groups, the alignment with sustainable models of territorial development and the contribution to the climate goals are guaranteed.

4. **Improve the enabling conditions for the implementation of NbS:** The coordination mechanisms related to national and departmental climate change adaptation are functional for the implementation of NbS, within the framework of the SISCLIMA.

Monitoring, Reporting, Verification (MRV) and Monitoring and Evaluation (M&E) systems are improved to support the achievement of climate change and biodiversity targets.

Strategic stakeholders improve their knowledge and capacities in relation to SolNatura's objective through the activities carried out by the project.

In addition, the Project contributes to the Sustainable Development Goals (SDGs), in particular: 2. Zero hunger, 6. Clean water and sanitation, 11. Sustainable cities and communities, 13. Climate action and 15. Life on land.



Published by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Registered offices, Bonn y Eschborn, Germany
Project SolNatura
German Development Cooperation, Bogota
Calle 125 No. 19-24, office 501
T +57 1 432 5351
info@giz.de
www.giz.de/kolumbien

Version June 2023

Photographic credits GIZ
Text Juliana Montenegro Calvo
Sebastian Sunderhaus

GIZ is responsible for the content of this publication.

Commissioned by Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV)

In cooperation with Ministry of Environment and Sustainable Development