

ORANGO BLUE CARBON PROJECT

What is Orango Blue Carbon Project

The Orango Blue Carbon project is a REDD+ project that consists of addressing the deforestation and degradation of **blue carbon ecosystems** such as **mangroves** on Orango Island and the archipelagos of Guinea Bissau through a comprehensive approach that combines ecosystem and social conservation measures. Communities' livelihoods and ethnic groups of this region are highly dependent on these blue carbon resources, yet lack of planning and management has resulted in significant deforestation and degradation in the areas of interest to be conserved. The project's approach is transformative: by **providing viable and sustainable socio-economic options**, aiming to change this dynamic and consequently reduce GHG.



SOURCE: USGS / EUROPEAN SPACE AGENCY / SCIENCE PHOTO LIBRARY

Project activities



Promotion of sustainable **blue carbon** practices



Planting of **mangrove** propagules



Implementation of **agroforestry** systems

Introduction of practices to **reduce dependence** on firewood as a source of energy

Community development **small grants** program

Gender focused implementation



SOURCE: [HTTPS://WWW.STATE.GOV/COUNTRIES-AREAS/ANGOLA/GUINEA-BISSAU-6/](https://www.state.gov/countries-areas/angola/guinea-bissau-6/)

Implementation

Orango REDD+ project is partnering with local organizations to collaborate with on community engagement and will be supported by the United Committee for Environmental Excellence (UCEE), the West African Alliance on Carbon Markets and Climate Finance as member, as well as the UNFCCC Secretariat



20,389,021* tCO2e
Emissions removals
Across the 30 year period

Projections

PROJECT AREA 304,494 Ha

POTENTIAL ANUAL REMOVALS EMISSION 679.334* tCO2e

BIODIVERSITY HIPPOPOTAMUS, SEA TURTLES, TARA

IMPACTED COMMUNITIES 41,500 PEOPLE
262 TABANCAS
GOLD LEVEL CRITERIA -OPTIONAL-

Project lifetime and accounting period:

01 January 2025– 31 December 2054
30 year total period

Validation body: UNFCCC under article 6 of the Paris Agreement

Sustainable development goals impacted



Zero hunger



Reduced inequality



Climate action



Life on land

*** Disclaimer:** The project's emissions removal potential is based on secondary information, which must be refined at the time of formulation of the project description with information obtained in the field.

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About Guinea Bissau and the project area

Guinea-Bissau is a small, **low-income country** in West Africa, ranked **175th** out of 189 countries in the 2022 Human Development Index. Guinea-Bissau is the **fourth most vulnerable to climate change** according to the 2019 Notre Dame Global Adaptation Initiative country index. Of its 2 million inhabitants, **47.7 percent** of the population were poor, living on less than 2 USD a day, and around **13.2 percent** lived in extreme poverty on less than 1 USD per day (WFP, 2022).



The need for Orango Blue Carbon Project

Primary energy consumption in Guinea Bissau is dominated by **biomass**, which accounts for over **80%** of the country's primary energy demand. This is one of the most important deforestation drivers in Guinea-Bissau, alongside shifting agriculture based on slash-and-burn techniques: in recent decades, **mangrove lands have been cleared** for rice cultivation. However, a complex of socioeconomic factors has led to the progressive abandonment of rice cultivation lands. Field abandonment can affect the global carbon cycle and result in reduced soil organic carbon storage, as well as there's a higher rate of logging and exploitation of **blue carbon** ecosystems. However, proper land management, such as conservation agriculture, could reverse this trend and contribute to soil carbon sequestration.

PROJECT PROPONENT AND MANAGMENT



SENIOR SUPPLIER



TECHNICAL ADVISORY



PROJECT SUPPORT

Government open led call to implementation partners

Guiding principles

- Fair, transparent and equitable profit sharing scheme
- Alignment with the sustainability tool that will part of **Article 6** implementation
- **FPIC** and Cancún safeguard compliance
- Alignment with Core Carbon Principles for **High Integrity** Carbon Credits