

Nigeria

Niger Delta Mangrove Project

Blue Carbon grouped project planting 1,000,000 mangroves per year

Carbon Removals



30,000t
CO₂ e p.a.

Project Technology



ARR: Mangrove
Restoration

Project Standard



This project focuses on the restoration and sustainable management of mangrove forests in the Niger Delta region in Nigeria. Moreover, it is the first nature-based solutions project registered with Verra's VCS and CCBS in Nigeria and places great emphasis on close cooperation with the local population, which is directly involved in the project. The four main project components are: reforestation and forest awareness education; mangrove restoration/reforestation and forest management; promoting alternative, ecofriendly farming activities with bees, snails and grasscutter; and promoting the adoption of fuel-efficient biomass cookstoves.

The project area, a native mangrove swamp, covers an area of about 1,900 km². It belongs to the Niger Delta wetlands region of Nigeria and is considered a global biodiversity hotspot and qualifies as a World Heritage site. The Niger Delta basin occupies the Gulf of Guinea continental margin in equatorial West Africa, where it is one of the major food and income sources for about 20 million people (about 17% of the total population). However, these mangrove forests are threatened by the demand for firewood, oil exploration and urban growth. Mangroves hold a wealth of biological and biodiversity benefits. They are important nurseries for fishes, crustaceans, sponges, algae and other invertebrates, and also act as a carbon sink, retaining pollutants from contaminated tidal water. Mangroves are also used as natural shelters and breeding grounds by small mammals, shore birds, reptiles, and insects.



info



about project standards
and technologies:
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Supported Sustainable
Development Goals





Sustainable Development

Beyond removing carbon emissions, all our climate protection projects generate multiple additional benefits for people and the environment. These projects support the United Nations Sustainable Development Goals.



Due to stable income flow resulting from reforestation jobs, workers will be able to routinely provide their families with healthy food, clean water and other nourishment.



Local workers and volunteers (roughly 320 men and women) will receive on-the-job training and further help in finding alternative means of employment which are sustainable and not detrimental to the mangrove forests.



As a direct outcome of the project activities, at least 10 full-time jobs will be created for local women and men. The jobs will entail mangrove forestry management.



At least 50% of the jobs established by this project will be held by women (about 120 women). As part of their employment, these women will receive additional training and potentially be able to secure income independently.



This Blue Carbon project represents one of the most effective ways to reduce atmospheric carbon dioxide. The mangroves have the capacity to capture CO₂ and store it naturally above and below ground, as well as in the surrounding soil.



The mangrove forests in the Niger Delta provide an optimal habitat for native fish and other wildlife. As a result, the biodiversity of marine life will be increased.



These mangrove swamps provide a natural, organic habitat for the vibrant terrestrial biodiversity life on land, including reptiles and birds.



This project will cultivate long-term, international partnerships with positive effects on the local communities as well as their relationship with the native flora and fauna. The area is an attractive site for ecotourism and qualifies as a World Heritage site.



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