

# Sierra Leone

## Mangrove Restoration

KlimatX

Implementing partners	Klimat X Developments Inc.
Location	Sierra Leone
Project Type	Tidal Wetland Restoration
Operational scale	5,000+ Ha
Timeframe	30 Years
Cumulative Carbon Credits Estimation	Up to 2 MM tCO <sub>2</sub> e
Cumulative Revenue Estimation	US\$65 MM Gross (US\$26 MM Net)
Estimated Credits per year	67,000 tCO <sub>2</sub> e
Estimated IRR	16%



## The Challenge

The Mangrove forests in the Scarcies estuaries have been heavily deforested for fuelwood and rice production since at least the 1990s and these pressures continue. Remote sensing analysis indicates that 82% of the estuaries' mangroves have been lost since 1990.

Following harvesting for wood, smallholder rice farming is conducted on the majority of these deforested lands. Small-scale rice farmers are generally resource poor with only basic, non-mechanical equipment, severely limiting the scale and efficiency of production. Furthermore, the challenges associated with farming rice in saline conditions coupled with widespread use of unimproved varieties and limited use of fertilizers, leads to land being farmed for several years and then abandoned. This practice is not beneficial for both nature and people.

## Nature Based Intervention

The ecosystem being restored is mangrove, a coastal, tidal wetland ecosystem consisting of trees and shrubs. By working directly with smallholder farmers and empowering them to access climate finance through mangrove planting, the project will improve human wellbeing and restore the ecological sustainability of the Scarcies estuaries in a way that is financially viable for the local communities.

The project will be validated and verified under the VCS and CCB standards. Local residents will also be trained in sustainable agriculture to improve food security and nutrition. The Project activity will result in GHG emission removals and help to restore the estuaries' biodiversity and other ecosystem services, whilst the resulting climate finance will safeguard livelihoods and improve the well-being of the people living in the Scarcies estuaries.

## Achievements

Project Description (PD) has been filed with Verra, the global carbon registry. 15 ha pilot mangrove planting has been completed, and large-scale planting is expected to begin in 2024.

## Contact

For more information about Klimat X Developments Inc. and our projects, please visit [www.klimatx.com](http://www.klimatx.com)

Phone: 1-778-373-3736

Email: [investors@klimatx.com](mailto:investors@klimatx.com)

Note: Investors are cautioned that the forward-looking estimations in this document are based on management assumptions and forecasts and are not guarantees of future performance. Actual results could differ materially from those currently anticipated due to many factors.