

## Project title : CARBOMADA - Support for the implementation of a reforestation and carbon offset program in the New Protected Area of Loky Manambato in Madagascar

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Madagascar	34 000 €	Reforestation & carbon expert	Fanamby, CONFIDENTIAL	March 2018 - December 2038

### Project's goals and results

#### Main goals

The **New Protected Area of Loky Manambato** in Sava region, North-East Madagascar, has been managed by the NGO Fanamby since 1997. Fanamby has been implementing conservation projects, development of cash crops and reforestation for many years in this NPA. The purpose of this project is to help the association carrying out a **reforestation of 214 hectares** that especially allows the valuation of sequestered carbon

#### Specific objectives

**SO1.** Technical assistance for **reforestation**, maintenance and training of NAP rangers, also providing direct support to communities for 214 hectares of reforestation with different, exotic or indigenous species

**SO2.** Support on the valorization and accounting the **carbon** of the project over 20 years

#### Beneficiaries

- 4 rural communities (Daraina, Maromokotra, Ampisikiana, Nosy Be)
- 19 traditional villages called [fokontany](#) in the Vohemar district
- the [Fanamby](#) association

*Map of the ecoregions location in the NPA Loky Manambato*

#### Results

**R1.** Increased **productivity** from the forest and therefore **incomes** for local communities

**R2.** Reduction of **anthropic pressure on natural forests** through the development of cash crops (fruit trees) and timber production (acacia and eucalyptus)

**R3.** Restoration of the **mangrove ecosystem** improving marine and fishing biodiversity

**R4.** Potential carbon compensation of the sponsor company estimated at **85,646 tCO<sup>2</sup>eq over 20 years**, or 4,282 tCO<sup>2</sup>eq/year with third party data 3 (IPCC), generating (at a price of 6.5 €/tCO<sup>2</sup>eq), 205,747 € (deducted project costs)

#### Activities

**A1.** Identification, approval and support for the reforestation of **mangroves** with endemic and exotic plants in collaboration with local communities

**A2.** Identification, approval and support for reforestation of **dry land** areas

**A3.** Seed collection, purchase of indigenous or exotic plants and supervision of **nurserymen**

**A4.** Expertise in tree **nursery cultivation**, transportation and planting techniques in the identified areas

**A5.** Installation and maintenance of **firewalls**

**A6.** Maintenance, monitoring of plantings and **replanting**

**A7.** **Training rangers** in reforestation and follow-up

**A8.** Follow-up of KPI and **carbon** each 5 years

**A9.** Carbon valorization with the elaboration of the carbon project document

**A10.** Field verification through **inventories** and coordination surveys with sponsors

*Location of the various plantations area per hectare for the 2015-2024 period*