

# My Farm Trees: A Digital Platform for Inclusive and Resilient Landscape Restoration

Digital transparency and incentives for resilient landscape restoration

My Farm Trees (MFT) is a digital platform that uses blockchain technology to track forest restoration from seed collection to tree growth. It connects seed suppliers, nurseries, and farmers through mobile apps and a central dashboard, ensuring transparency, quality control, and digital payments that reward verified restoration efforts using native tree species.



Alliance



**The Alliance of Biodiversity International and the International Center for Tropical Agriculture (CIAT)**  
Marius Ekue

Commodities

Tree crops

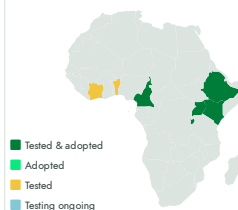
Sustainable Development Goals



Categories

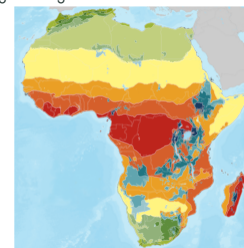
Production, Postharvest, Marketing,  
Pre-production, Digital applications,  
Supply chain management, + 0 more

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Breeders, Development institutions,


This technology is **pre-validated**.


Scaling readiness: idea maturity 9/9; level of use 9/9

Inclusion assessment



Climate impact



## Problem

- Limited diversity of native species and seed sources in restoration activities
- Weak seed systems and poor linkages between suppliers, nurseries, and restoration projects
- Gender imbalances in decision-making and benefit-sharing
- Lack of reliable monitoring and verification of restoration success

## Solution

- Community engagement:** Strengthens local collaboration by combining traditional knowledge and science.
- Seed collection:** Preserves diversity, creates value chains, and connects seed supply and demand.
- Nurseries:** Diversifies production, supports nursery networks, and facilitates their management.
- Tree monitoring:** Monitors plantations, estimates carbon benefits, and manages incentives.
- Natural resources:** Improves biodiversity management for more resilient systems.

## Key points to design your project

My Farm Trees supports forest restoration and biodiversity by empowering farmers with digital tools blending science and tradition.

Key steps:

- Raise awareness among farmers and communities.
- Train trainers and support nurseries.
- Connect producers with seed suppliers, finances, and markets.

Plan device and data costs; ensure ongoing trainer support.

Use flyers, videos, and radio to promote the tool.

Collaborate with forestry agencies, NGOs, and research centers for smooth implementation.

**90 %**

The survival rate of seedlings planted using MFT technology

**3500 USD**

Annual benefits for the Seed collector

**11000 USD**

Annual benefits for the Nursery manager



Open source / open access

