

My Farm Trees: A Digital Platform for Inclusive, Transparent and Resilient Forest 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

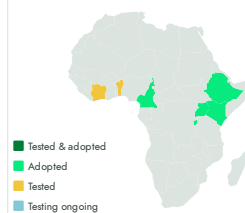
Sustainable Development Goals



Categories

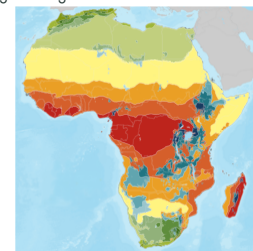
Production, Postharvest, Marketing,
Pre-production, Digital applications,
Supply chain management, + 0 more

Tested/adopted in



Where it can be used

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



Target groups

Breeders, Development institutions,
Farmers, Governments, Processors,

This technology is **pre-validated**.

9-9



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

Inclusion assessment

5

Climate impact

5

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



My Farm Trees

<https://taat.africa/cwc>

Last updated on 19 November 2025, printed on 19 November 2025

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