

My Farm Trees: A Digital Tool for Inclusif Forest 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.



This technology is **pre-validated**.



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

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



Alliance



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

Commodities

Aquaculture

Sustainable Development Goals



Categories

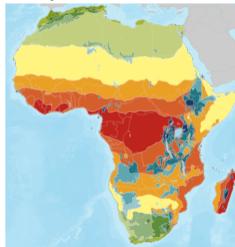
Production, Postharvest, Marketing, Pre-production, Digital applications, Supply chain management, + 0 more

Tested/adopted in



Where it can be used

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



Target groups

Breeders, Development institutions,

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 business plan

My Farm Trees helps farmers and restoration projects manage tree planting digitally for better growth and biodiversity.

- Costs include smartphones, data, and training; no license fees apply.
- Benefits include increased tree survival and restored ecosystems.

Inclusion assessment



Climate impact



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My Farm Trees

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