

# 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.

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.

<b>90 %</b>	<b>3500 USD</b>	<b>11000 USD</b>	<b>IP</b>
The survival rate of seedlings planted using MFT technology	Annual benefits for the Seed collector	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**

Tree crops

**Sustainable Development Goals**

5 GENDER EQUALITY

10 REDUCED INEQUALITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

15 LIFE ON LAND

**Categories**

Production, Postharvest, Marketing, Pre-production, Digital applications, Supply chain management, Advisory and information service  
+ 0 more

**Tested/adopted in**

Legend:  
■ Tested & adopted  
■ Adopted  
■ Tested  
■ Testing ongoing

**Where it can be used**

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

**Target groups**

Breeders, Development institutions, Farmers, Governments, Processors, Seed companies, ...