

Seed Tracker: Digital Tool for Strengthening Seed Governance and Certification Systems

Build an efficient seed system!

This mobile and web-based platform captures and monitors every step of the seed production cycle—from registration and inspection to certification and sale. It is fully adaptable to various country contexts and operates both online and offline. It enables decentralized seed inspection (e.g., Quality Declared Seed), supports gender inclusion, and creates a georeferenced, centralized seed database for program design and M&E.



International Institute of Tropical Agriculture (IITA)
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Commodities

All Crops

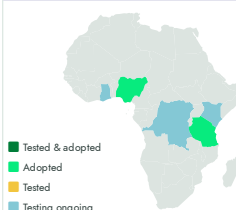
Sustainable Development Goals



Categories

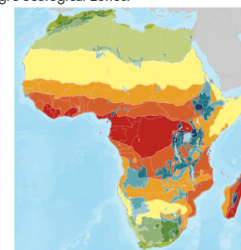
Pre-production, Digital applications, Supply chain management, Advisory and information service
+ 0 more

Tested/adopted in



Where it can be used

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



Target groups

Seed companies, Advisory and Extension Services

This technology is **pre-validated**.

9.7



Scaling readiness: idea maturity 9/9; level of use 7/9

Inclusion assessment



Climate impact



Problem

- **Informal seed systems dominate:** Many smallholder farmers rely on uncertified seed due to weak formal systems.
- **Exclusion of women and youth:** Current seed systems are not always accessible or inclusive.
- **Inefficient data systems:** Development partners often lack the tools to collect, manage, and use seed data for impact measurement.

Solution

- **Complex and slow certification processes:** Businesses lose time and opportunities due to manual paperwork and delays.
- **Poor market visibility:** It's difficult for seed entrepreneurs to showcase their certified products or connect directly with buyers.
- **Inventory mismanagement:** Lack of reliable tracking can lead to stock losses or oversupply.
- **Low customer confidence:** Buyers often lack assurance about seed quality and origin.

Key points to design your program

The **Cassava SeedTracker** technology has proven successful in supporting sustainable agricultural practices, enhancing climate resilience, and promoting gender equality and economic growth.

- Development institutions can leverage it to ensure seed transparency, provide high-quality seeds to farmers, and promote sustainable agriculture.
- By training stakeholders, collaborating with technology providers, integrating it into seed programs, and using the data for policy advocacy, institutions can enhance their impact on seed quality, farmer productivity, and food security.

Adopting this technology helps drive sustainable development goals and improves agricultural program outcomes.



No formal IP rights



Seed Tracker

<https://taat.africa/zvs>

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