

ME-CASS: Cassava Seed Monitoring System

Making Cassava Seed Systems Work Better

ME-CASS gives cassava businesses clear visibility into the seed supply chain. It helps trace varieties, confirm seed quality, and plan production. The platform also supports business decisions and builds trust by offering reliable data on seed performance and traceability.

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This technology is **pre-validated**. **7·3** Scaling readiness: idea maturity: 7/9; level of use: 3/9

IP
Open source / open access

Problem

- Improved cassava varieties lose their identity, leading to uncertainty in the seed market.
- No structured way to track seed volumes, sales, or movement across the supply chain.
- Lack of visibility on which seed producers are active and reliable.

Solution

- ME-CASS traces each variety from breeder to farmer, ensuring seed authenticity.
- It provides data on production, sales, and demand to support business planning.
- Businesses can monitor the performance of seed producers and identify trustworthy partners.

Commodities
Cassava

Sustainable Development Goals

Categories

Production, Market, Pre-production, Digital applications, Advisory and information service, Crop management, + 0 more

Tested/adopted in

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

Target groups

Breeders, Governments, Seed companies, Researcher center, Seed Regulators

Key points to design your business plan

Private seed companies and agrodealers can use ME-CASS to improve seed traceability, plan better, and build customer trust. Here are key elements to consider when designing a business project around this tool:

- Set up a simple system:** Use ME-CASS or a spreadsheet to track seed variety, source, and sales.
- Train key staff:** Assign someone to manage data entry and updates.
- Focus on useful indicators:** Track certified varieties, sales volumes, and customer locations.
- Verify seed quality:** Use ME-CASS to confirm variety identity and certification.
- Pilot first:** Start with a few products or regions before full rollout.
- Build customer trust:** Share data to prove seed authenticity and build your brand.
- Keep it practical:** Use basic tools—no need for large investments upfront.
- Scale as needed:** Expand to other crops like sweetpotato or yam once the system is stable.

Gender assessment 4

Climate impact

