

ME-CASS: Cassava Seed Monitoring System

Making Cassava Seed Systems Work Better

ME-CASS helps governments track the release, certification, and distribution of cassava varieties to ensure farmers get quality seeds. It also supports policy planning with real-time data on seed flows and adoption, improving regulation, accountability, and investment targeting.



This technology is **pre-validated**.

7.3



Scaling readiness: idea maturity 7/9; level of use 3/9

Gender assessment

4

Climate impact

Problem

- Difficult to track which varieties are in circulation due to renaming and poor recordkeeping.
- National certification agencies struggle to document and monitor seed distribution.
- No tools to assess whether improved seeds reach farmers or support system-wide improvements.

Solution

- ME-CASS offers full traceability of seed flows across all system levels.
- It integrates data from certification agencies to improve transparency and compliance.
- Governments can monitor adoption rates, seed quality, and producer performance to inform policy and investments.

Key points to design your project

To adopt ME-CASS, government projects need more than just software—they need coordination, trained teams, and structured data systems. Here are key tips:

- Use or connect ME-CASS to existing national databases.
- Assign a small team with digital and monitoring skills.
- Define clear indicators like variety names, seed volumes, and target zones.
- Involve breeders, seed producers, and regulators from the start.
- Pilot in 1–2 regions before scaling nationally.
- Budget for devices and internet access (with offline options where needed).
- Align ME-CASS with existing government reporting systems.
- Keep the system flexible to add other crops later (e.g., yam, sweetpotato).



Open source / open access



IITA

Richardson Okechukwu

Commodities

Cassava

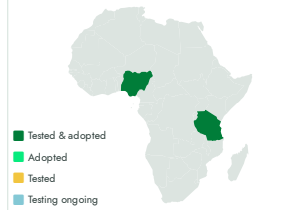
Sustainable Development Goals



Categories

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

Tested/adopted in



Target groups

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



ME-CASS

<https://e-catalogs.taatafrica.org/gov/technologies/me-cass-cassava-seed-monitoring-system>

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Enquiries e-catalogs@taatafrica