

Geo-Hub — Rwanda's Satellite-and-AI Platform for National Crop Monitoring

AI in the Public Sector · Good practice · Rwanda

Quality score: 53/100

Evidence strength: Descriptive / self-reported

Summary

Rwanda launched Geo-Hub, a machine-learning platform combining satellite imagery and field data to map crop area and climate stress, piloted in four districts for rice, maize, potatoes and beans, with the FAIR Forward-backed system currently restricted to institutional users.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	1/3
Transparency, fairness & accountability	1/3
Transferability / demonstrated replication	2/3
Scalability beyond pilot	2/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-05

[National Institute of Statistics of Rwanda \(NISR\), with Rwanda Space Agency \(RSA\) and Ministry of Agriculture and Animal Resources \(MINAGRI\)](#) — accessed 2026-08-05

[Space in Africa — Rwanda Deploys AI-Powered Geospatial Hub](#) — accessed 2026-08-05

[BMZ Digital.Global — Solutions from space: Rwanda's smart harvest planning](#) — accessed 2026-08-05

[African Farming — Rwanda adopts AI and satellites to advance precision agriculture](#) — accessed 2026-08-05

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