

PRISE — CABI's AI-Powered Pest-Risk Forecasting Service for African Farmers

AI in the Public Sector · Good practice · Zambia

Quality score: 80/100

Evidence strength: Quasi-experimental

Summary

Since 2017, CABI's PRISE service has combined satellite data, weather forecasts and pest life-cycle models to deliver pest-outbreak alerts to smallholder farmers via government extension officers in Zambia, Kenya, Ghana and Malawi, reaching over 1.8 million farmers.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-12

[CABI, with Zambia Agriculture Research Institute \(ZARI\) and national extension services in Kenya, Ghana and Malawi](#) — accessed 2026-09-12

[CABI: PRISE impact story](#) — accessed 2026-09-12

[Journal of Integrated Pest Management: peer-reviewed methodology](#) — accessed 2026-09-12

[UK Government: CABI Africa Pest Risk Information Service case study](#) — accessed 2026-09-12

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