

Using Drones and Machine Learning to Build Kananga's First Modern Property Tax Roll, D.R. Congo

AI in the Public Sector · Good practice · Congo (the Democratic Republic of the)

Quality score: 67/100

Evidence strength: Moderate

Summary

A D.R. Congo provincial tax authority used drone imagery and machine learning to build a property tax roll for Kananga's 106,000+ buildings, reaching 60% predictive accuracy (R^2) in a published study, then handed the digital tax system to local ownership in 2025.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	2/3
Transparency, fairness & accountability	2/3
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 2026-09-24

[Direction Générale des Recettes du Kasai-Central \(DGRKAC\), with LoGRI and UC Berkeley](#) — accessed 2026-09-24

[ICTD / Institute of Development Studies — Working Paper 176](#) — accessed 2026-09-24

[Local Government Revenue Initiative — 2025 handover](#) — accessed 2026-09-24

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