

Vanuatu's AI-Assisted Disaster Data Platform — Machine Learning and Satellite Imagery for National Damage Forecasting

AI in the Public Sector · Good practice · Vanuatu

Quality score: 60/100

Evidence strength: Descriptive / self-reported

Summary

Vanuatu's Bureau of Statistics combines satellite imagery, open-source R pipelines and machine learning to estimate disaster damage and needs down to the Area Council level, giving one of the world's most disaster-exposed nations a shared, government-run forecasting platform.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	1/3
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 2026-09-11

[Vanuatu Bureau of Statistics](#) — accessed 2026-09-11

[Pacific Community \(SPC\) coverage](#) — accessed 2026-09-11

[Spatial Source](#) — accessed 2026-09-11

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