

SAFE-RISCCS — Nepal's Two-Village AI Pilot for Predicting Landslides Weeks in Advance

AI in the Public Sector · Good practice · Nepal

Quality score: 27/100

Evidence strength: Cautionary / limited

Summary

Piloted in Kimtang (Nuwakot) and Jyotinagar (Dhading), SAFE-RISCCS combines satellite imagery, rainfall and ground-motion sensors to forecast landslides. After two months its adviser called it 'still in a preliminary stage,' needing a year or two of data to forecast reliably.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	0/3
Transparency, fairness & accountability	0/3
Transferability / demonstrated replication	1/3
Scalability beyond pilot	1/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-08-27

Nepal National Disaster Risk Reduction and Management Authority (NDRRMA), University of Melbourne, Tribhuvan University, University of Florence — accessed 2026-08-27

UN-SPIDER: University of Melbourne researchers aid Nepal villagers — accessed 2026-08-27

Landslide-prone Nepal tests AI-powered warning system (Oman Observer/AFP) — accessed 2026-08-27

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