

Forest Foresight — AI Radar-Based Deforestation Prediction Protecting Gabon's Rainforest

AI in the Public Sector · Good practice · Gabon

Quality score: 47/100

Evidence strength: Descriptive / self-reported

Summary

WWF and Wageningen University's Forest Foresight uses Sentinel-1 radar and ML to flag illegal-logging and mining risk months ahead. Gabonese rangers acted on an alert to halt an illegal gold-mining operation, saving about 30 hectares of forest and leading to arrests.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

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

[WWF and Wageningen University & Research, with Gabon's Ministry of Water and Forest Affairs](#) — accessed 2026-08-05

[Wageningen University & Research — Forest Foresight case study](#) — accessed 2026-08-05

[WWF — Could AI Help Stop Deforestation Before It Starts?](#) — accessed 2026-08-05

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