

DETER — INPE's Near-Real-Time Satellite Alerts Powering IBAMA's Amazon Deforestation Enforcement

AI in the Public Sector · Good practice · Brazil

Quality score: 73/100

Evidence strength: Strong

Summary

INPE's DETER system issues near-real-time satellite alerts on forest clearing across the Amazon and three other biomes, letting IBAMA dispatch enforcement teams within days; alerts fell to 2,874 km² in Aug 2025–Jul 2026, the lowest since 2013, as federal enforcement intensified.

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	3/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-08-15

INPE (Instituto Nacional de Pesquisas Espaciais) / IBAMA — accessed 2026-08-15

INPE TerraBrasilis (official open data platform) — accessed 2026-08-15

DETER-B: The New Amazon Near Real-Time Deforestation Detection System (IEEE) — accessed 2026-08-15

Cite this — Evidoria. *DETER — INPE's Near-Real-Time Satellite Alerts Powering IBAMA's Amazon Deforestation Enforcement*. Persistent ID: db6d6ca2-e737-4a54-aef2-083da48c1948.