SKAI — WFP and Google Research's Open-Source AI for Rapid Earthquake Damage Mapping in Türkiye

AI in the Public Sector · Good practice · Türkiye

Quality score: 87/100

Evidence strength: Descriptive / self-reported

Summary

After the February 2023 earthquake, a 5-person WFP/Google Research team used the open-source SKAI tool to assess ~600,000 buildings across southeast Türkiye with 81%+ accuracy in under a month, flagging 28,000+ destroyed structures — impact not independently verified.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-08-07

World Food Programme (WFP) Innovation Accelerator & Google Research — accessed 2026-08-07

WFP Innovation — Revolutionizing Disaster Response with SKAI — accessed 2026-08-07

UN Global Pulse / Google — AI from Google Research and UN boosts humanitarian disaster response — accessed 2026-08-07

Google Research — SKAI open-source repository (GitHub) — accessed 2026-08-07

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