

Giga School Mapping — AI Satellite Analysis Finds 23,100 Missing Schools Across Africa and Asia

AI in Education · Good practice · Kenya

Quality score: 53/100

Evidence strength: Descriptive / self-reported

Summary

UNICEF and ITU's Giga initiative trained CNN classifiers on satellite imagery to find schools missing from national databases, adding 23,100 unmapped schools across 8 countries including Kenya and Rwanda — accuracy fell to ~57% in the poorest, most remote areas.

Key dimensions

Dimension	Score
Evidence of learning impact	0/3
Equity & inclusion	2/3
Transparency, ethics & data protection	3/3
Teacher capability & pedagogy	0/3
Scalability & sustainability	3/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-13

[UNICEF Office of Innovation & ITU \(Giga initiative\), with Development Seed](#) — accessed 2026-08-13

[Giga / UNICEF – Scaling AI to map every school on the planet](#) — accessed 2026-08-13

[Development Seed – AI enabling school mapping \(technical partner\)](#) — accessed 2026-08-13

[IRCAI – School mapping using AI and high-resolution satellite imagery \(independent review\)](#) — accessed 2026-08-13

[arXiv preprint – Giga global school mapping methodology](#) — accessed 2026-08-13

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