

Google Flood Hub — Bangladesh Water Development Board's AI-Powered River Flood Alert System

AI in the Public Sector · Good practice · Bangladesh

Quality score: 80/100

Evidence strength: Descriptive / self-reported

Summary

Since 2020, Google Research's machine-learning flood model — which forecasts river levels even in ungauged basins — has combined with Bangladesh Water Development Board data to push flood alerts; by 2021 it reached 1.5 million users with a lead time of three hours to three days.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	2/3
Transparency, fairness & accountability	2/3
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 2026-07-13

[Bangladesh Water Development Board \(BWDB\)](#) — accessed 2026-07-13

[UNDP Bangladesh — Climate change, Google and Bangladesh floods](#) — accessed 2026-07-13

[Google — How Google uses AI to improve global flood forecasting](#) — accessed 2026-07-13

[fxis.ai — Google brings AI flood solutions to India and Bangladesh](#) — accessed 2026-07-13

[Science Museum Group — AI democratises flood forecasting](#) — accessed 2026-07-13

Cite this — Evidoria. *Google Flood Hub — Bangladesh Water Development Board's AI-Powered River Flood Alert System*. Persistent ID: 985d4659-5fce-467e-9644-cc1b1dbcb294.