

WeatherNext AI Forecasting and Jamaica's Response to Hurricane Melissa

AI in the Public Sector · Good practice · Jamaica

Quality score: 60/100

Evidence strength: Descriptive / self-reported

Summary

Google DeepMind's WeatherNext AI model gave the U.S. National Hurricane Center — and Jamaica's Meteorological Service — a five-day warning that Hurricane Melissa would intensify to Category 5, aiding evacuations before the island's worst landfall on record.

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	3/3
Governance, capability & sustainability	1/3

Evaluated by C-NAPSE

Data sources

[Google DeepMind: How WeatherNext helped the NHC predict Hurricane Melissa](#) — accessed 2026-07-13

[NPR: As the 2025 Atlantic hurricane season ends, the future of forecasting is AI](#) — accessed 2026-07-13

[NBC News: Hurricane Melissa death toll rises, insured losses in Jamaica could top \\$4 billion](#) — accessed 2026-07-13

[World Bank / IDB: Hurricane Melissa damage to Jamaica totals all-time high of US\\$8.8 billion](#) — accessed 2026-07-13

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