

Tuvalu's Satellite Dark-Vessel Detection — AI-Assisted Fisheries Surveillance Across a 750,000 km² Ocean Territory

AI in the Public Sector · Good practice · Tuvalu

Quality score: 73/100

Evidence strength: Observational / pre–post

Summary

Tuvalu's Fisheries Department has run nearly 60 satellite scans since a December 2021 pilot, using radar imagery and machine-assisted vessel matching to spot 'dark' boats not broadcasting their position across up to 80% of its 750,000 km² exclusive economic zone.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	2/3
Transparency, fairness & accountability	1/3
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 2026-09-11

[Tuvalu Fisheries Department](#) — accessed 2026-09-11

[FiskerForum](#) — accessed 2026-09-11

[Starboard Maritime Intelligence](#) — accessed 2026-09-11

[SeafoodSource](#) — accessed 2026-09-11

Cite this — Evidoria. *Tuvalu's Satellite Dark-Vessel Detection — AI-Assisted Fisheries Surveillance Across a 750,000 km² Ocean Territory*. Persistent ID: 62f51779-4094-4f21-83d7-e7429c3d5b48.