

Freetown Urban Data & Community Drone-Mapping Programme

City Innovation Library · Good practice · Sierra Leone

Quality score: 81/100

Evidence strength: Observational / pre–post

Summary

Freetown mapped 4,038 km of formal and informal bus routes (2018–19), then in 2024 trained residents of informal settlements as a community drone-mapping crew producing 5cm-resolution imagery that now feeds municipal planning.

Key dimensions

Dimension	Score
Evidence of impact / measured results	3/3
Transferability / demonstrated replication	2/3
Scalability	2/3
Sustainability / continuity	2/3
Innovation	2/3
Inclusiveness / equity	3/3
Multi-stakeholder collaboration	3/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-09

[Freetown City Council, with the Humanitarian OpenStreetMap Team, Fourah Bay College and the World Bank/GFDRR](#) — accessed 2026-08-09

[World Bank Open Data — how urban mobility data transformed Freetown](#) — accessed 2026-08-09

[Humanitarian OpenStreetMap Team — mapping Freetown from above](#) — accessed 2026-08-09

[Freetown City Council — Transform Freetown](#) — accessed 2026-08-09

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