

Medellín Green Corridors (Corredores Verdes) — Municipal Urban-Cooling Network

PES & Nature-Based Solutions · Good practice · Colombia

Quality score: 47/100

Evidence strength: Observational / pre–post

Summary

Since 2016 Medellín's Secretariat of the Environment has built 30 green corridors (70+ ha, 2.5M plants, 880,000 trees) along roads and waterways; monitoring found average temperatures fell about 2°C citywide, with local drops up to 5°C, plus measurable air-quality gains.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	2/3
Biodiversity — conservation / improvement, evidenced	2/3
Water & soil — retention, infiltration, erosion control	1/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-01

[Municipality of Medellín — Secretariat of the Environment](#) — accessed 2026-08-01

[Earthly Mission — Medellín's green corridors cooling analysis](#) — accessed 2026-08-01

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