

Medellín's Green Corridors: 30 Urban Corridors Cut Street-Level Heat by 3.5°C

PES & Nature-Based Solutions · Good practice · Colombia

Quality score: 40/100

Evidence strength: Observational / pre–post

Summary

Medellín turned 18 roads and 12 waterways into 30 shaded 'Corredores Verdes,' planting ~880,000 trees and 2.5 million smaller plants since 2016. A city evaluation recorded average street temperatures falling 3.5°C and PM2.5 and respiratory-infection rates dropping by 2019.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

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

[Medellín City Hall \(Secretaría de Medio Ambiente\) with Medellín Botanical Garden](#) — accessed 2026-09-09

[AP-PLAT Adaptation Case Study \(NIES, Japan\)](#) — accessed 2026-09-09

[Sustainable Energy for All](#) — accessed 2026-09-09

Cite this — Evidoria. *Medellín's Green Corridors: 30 Urban Corridors Cut Street-Level Heat by 3.5°C*. Persistent ID: 30ff60d1-7090-45aa-9ced-43e46cfdc879.