

Stockholm's Biochar Project — Turning Park Waste into Urban Carbon Storage and Better Tree Soil

PES & Nature-Based Solutions · Good practice · Sweden

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

Stockholm pyrolyses park and garden waste into biochar at up to five municipal plants, mixed into structural soil for street trees and rain gardens; targeted at ~7,000-8,000 tonnes/year (~25,000 t CO₂), a Bloomberg-funded, C40-profiled model since 2017.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	2/3
Biodiversity — conservation / improvement, evidenced	0/3
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 2026-09-25

[Stockholms Vatten och Avfall \(City of Stockholm Water and Waste utility\)](#) — accessed 2026-09-25

[C40 Cities: Cities100 - Stockholm's Urban Carbon Sink with Biochar](#) — accessed 2026-09-25

[Reasons to be Cheerful: Dead Plants are Powering Stockholm \(2019\)](#) — accessed 2026-09-25

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