

Urban Micro-Lungs — Miyawaki Method Mini-Forests in East Amman

PES & Nature-Based Solutions · Good practice · Jordan

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

Amman's municipality and Germany's GIZ adapted the dense Miyawaki afforestation method — first tried in the Middle East here — to plant native, irrigation-free mini-forests up to 250m² in East Amman's poorest districts, under an €8m BMZ-funded programme (2017–2021).

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	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-02

[Greater Amman Municipality / GIZ \(German Agency for International Cooperation\)](#) — accessed 2026-09-02

[C40 Cities case study](#) — accessed 2026-09-02

[Mongabay: Middle East's first Miyawaki-style baby forests](#) — accessed 2026-09-02

[AIPH Green City Case Study: Amman](#) — accessed 2026-09-02

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