

Zagreb's Post-Earthquake Heat Mapping — Targeting Tree Planting & Green Roofs to Cool City Blocks

PES & Nature-Based Solutions · Good practice · Croatia

Quality score: 13/100

Evidence strength: Cautionary / limited

Summary

After the 2020 earthquake, Zagreb used rebuild funds to heat-map city blocks with the University of Zagreb, plant 1,500 trees (mostly at schools) and require green infrastructure, after finding vegetation cuts block temperatures by up to 4°C, under the EU REGILIENCE project.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-08-24

City of Zagreb, University of Zagreb (Department of Geophysics) & REGEA (North-West Croatia Regional Energy and Climate Agency) — accessed 2026-08-24

Climate-ADAPT (EEA) — Building heat resilience in Zagreb, Croatia — accessed 2026-08-24

MDPI Sustainability — NBS potential for Medveščak & Krnomerec streams, Zagreb — accessed 2026-08-24

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