

Ekostaden Augustenborg - Malmo's Stormwater-Financed Green Roof & Open-Drainage Retrofit

PES & Nature-Based Solutions · Good practice · Sweden

Quality score: 53/100

Evidence strength: Observational / pre-post

Summary

Facing chronic flooding, Malmo's 1997-2002 Augustenborg retrofit added ~10,000 m² of green roofs and open stormwater channels/ponds across a 1950s estate, cutting annual runoff ~20% and surviving a 2007 50-year storm with no flooding, on a ~EUR 24m public/EU budget.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-05

[City of Malmo & MKB Fastighets AB \(public housing company\)](#) — accessed 2026-08-05

[Smart City Sweden: Ekostaden Augustenborg](#) — accessed 2026-08-05

[City of Malmo: Ekostaden Augustenborg](#) — accessed 2026-08-05

[Climate adaptation case study \(adaptecca.es\): Augustenborg stormwater management](#) — accessed 2026-08-05

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