

Basel's Green Roof Mandate & Energy-Tax-Funded Subsidy Programme

PES & Nature-Based Solutions · Good practice · Switzerland

Quality score: 47/100

Evidence strength: Descriptive / self-reported

Summary

Since 1996 Basel has paired flat-roof greening subsidies (funded by a 5% levy on canton electricity bills) with a 2010 building-code mandate, reaching ~40% of flat-roof area covered and the highest green-roof density per capita worldwide (5.71 m²/inhabitant, 2019).

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	1/3
Biodiversity — conservation / improvement, evidenced	1/3
Water & soil — retention, infiltration, erosion control	2/3
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

[Canton of Basel-Stadt, Department of Environment and Energy \(AUE\)](#) — accessed 2026-08-05

[Climate-ADAPT case study: Green roofs in Basel](#) — accessed 2026-08-05

[Interlace Hub: Green roof strategy - Basel](#) — accessed 2026-08-05

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