

Chulalongkorn University Centenary Park — Green Infrastructure Flood Retention (Bangkok, Thailand)

PES & Nature-Based Solutions · Good practice · Thailand

Quality score: 33/100

Evidence strength: Descriptive / self-reported

Summary

Chulalongkorn University's 4.5-hectare Centenary Park uses a tilted green roof, wetlands and underground cisterns to retain up to 3.8 million litres of stormwater, easing flood risk in central Bangkok without new grey infrastructure.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-06

[Chulalongkorn University / Landprocess](#) — accessed 2026-08-06

[ASLA 2019 Professional Awards](#) — accessed 2026-08-06

[TED Ideas — When Bangkok Floods](#) — accessed 2026-08-06

[PreventionWeb — Bangkok Has Designed a Park for the Coming Age of Flooded Cities](#) — accessed 2026-08-06

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