

LifeMedGreenRoof — Instrumented Mediterranean Green Roof Stormwater Retention, Msida, Malta

PES & Nature-Based Solutions · Good practice · Malta

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

An instrumented 32.61 m² demonstration green roof in Msida measured 40-100% per-event stormwater retention (mean 90%) over a full hydrological year, with only 8 of 74 rain days producing run-off. Small scale, one dry year, and self-monitored.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
Biodiversity — conservation / improvement, evidenced	1/3
Water & soil — retention, infiltration, erosion control	2/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-20

[University of Malta, Faculty for the Built Environment](#) — accessed 2026-08-20

[LifeMedGreenRoof Flood Mitigation Report \(Malta & Italy\)](#) — primary measurements — accessed 2026-08-20

[Draft Maltese green roof standard produced by the project](#) — accessed 2026-08-20

[Project site — LIFE12 ENV/MT/000732](#) — accessed 2026-08-20

[EU LIFE public project database record](#) — accessed 2026-08-20

[University of Malta newspoint — four years of research on the project](#) — accessed 2026-08-20

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