

RECONNECT Tamnava River Basin — Large-Scale Nature-Based Flood Risk Reduction

PES & Nature-Based Solutions · Good practice · Serbia

Quality score: 47/100

Evidence strength: Moderate

Summary

EU Horizon 2020's RECONNECT project modelled nature-based measures across Serbia's flood-prone Tamnava basin, finding 20-47% reductions in flood extent, volume and damage costs, with retention ponds reaching a 5.6 benefit-cost ratio once co-benefits are counted.

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	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-26

[Jaroslav ■erni Water Institute / RECONNECT Consortium \(EU Horizon 2020\)](#) — accessed 2026-08-26

[Journal of Environmental Management \(PubMed\)](#) — accessed 2026-08-26

[Water Resources Management \(Springer\)](#) — accessed 2026-08-26

[RECONNECT Project \(EU Horizon 2020\)](#) — accessed 2026-08-26

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