

El Prat–Llobregat Indirect Potable Reuse — River-Augmentation Drought Response for Barcelona (Spain)

PES & Nature-Based Solutions · Good practice · Spain

Quality score: 53/100

Evidence strength: Observational / pre–post

Summary

Under Catalonia's 2020 Emergency Drought Plan, advanced-treated effluent from the El Prat plant is pumped 8km upstream into the Llobregat River — up to 2 m³/s — before Barcelona's Sant Joan Despí intake, with monitoring shown safe through the severe 2021-2024 drought.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
Biodiversity — conservation / improvement, evidenced	2/3
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 2026-09-12

[Agència Catalana de l'Aigua \(ACA\)](#) — accessed 2026-09-12

[ScienceDirect – Indirect potable water reuse to face drought events in Barcelona](#) — accessed 2026-09-12

[UOC – Reclaimed wastewater enters the fight against drought](#) — accessed 2026-09-12

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