

Restoring Khettara Galleries and Seguia Canals in Morocco's Oases

PES & Nature-Based Solutions · Good practice · Morocco

Quality score: 40/100

Evidence strength: Moderate

Summary

A \$1bn World Bank/AIIB-backed climate programme is restoring 30 underground khettara water galleries and 150km of seguia canals across Morocco's oases, responding to a documented collapse from roughly 80 to just 19 active khettaras in the Tafilalet oasis alone.

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	3/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-09-08

Government of Morocco — Direction de l'Irrigation et de l'Aménagement de l'Espace Agricole, with World Bank and AIIB co-financing — accessed 2026-09-08

Built Heritage (Springer) — Khettaras in the Tafilalet Oasis — accessed 2026-09-08

World Bank Project Document (P178763) — accessed 2026-09-08

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