

Abu Dhabi Mangrove Initiative — Blue Carbon Restoration & Monitoring Programme

PES & Nature-Based Solutions · Good practice · United Arab Emirates

Quality score: 47/100

Evidence strength: Moderate

Summary

Abu Dhabi's environment agency has planted tens of millions of mangroves since 2015, expanding cover to roughly 17,600 ha; EAD reports the emirate's blue-carbon ecosystems store about 41 million tonnes of carbon, backed by new national restoration guidelines.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-07-16

Environment Agency – Abu Dhabi (EAD) / Abu Dhabi Mangrove Initiative (ADMI) / Emirates Nature-WWF / ADNOC / Department of Municipalities and Transport — accessed 2026-07-16

EAD: Mangrove Ecosystems — accessed 2026-07-16

World Economic Forum: How Abu Dhabi uses mangroves as a carbon store — accessed 2026-07-16

Economy Middle East: Abu Dhabi plants 44 million mangrove trees — accessed 2026-07-16

ADMI: Mangroves — Important Nature-Based Solution — accessed 2026-07-16

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