

AECOM Nature-based Remediation Overview



Environmental Social Governance

AECOM incorporates ESG principles from project inception to post-remedy implementation into all projects. The use of Nature-based Remediation falls under ESG precepts for societal and ecological benefits.

Scope

Is incorporated as an action plan for reducing carbon impact by at least 50% on all major projects.



More Information: AskEnvironment@aecom.com



AECOM's Technical Practice Network

Keeps our staff connected globally, sharing latest trends and practices, regulatory changes and new treatment technologies, as best practices for the nature-based remediation.



Continuous Innovation

AECOM applies a multi-disciplinary approach to using nature-based remediation, pulling in technical resources versed in varied technical and engineering practices. Our applied field-scale remedial experience stems from innovative research performed in bench- and pilot-scale technology evaluations.



Regenerative Remediation

AECOM's Regenerative Remediation (RegenREM) approach creates both ecological and community uplift during site remediation and restoration. RegenREM provides societal benefits that are layered, compounding, and when combined with nature-based solutions are tied into the community culture and local ecology.

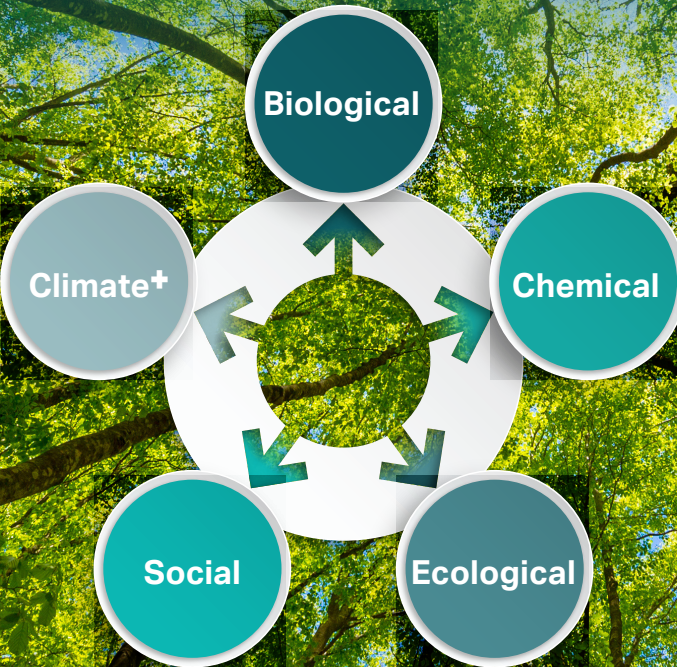


Digital & AI Tools and Approaches

Use of artificial intelligence (AI), machine learning and large language models were adapted by AECOM in 2023. These approaches are used to help collect, gauge and quantify nature-based approaches, bio-diversity, and indicators of nature-positive changes on remediation sites.

Nature-based Remediation Components

Nature-Based Remediation is inherently multidisciplinary and can entail many varying approaches to site remediation and restoration.



Natural Remediation Examples



Bioswales

Constructed Wetlands



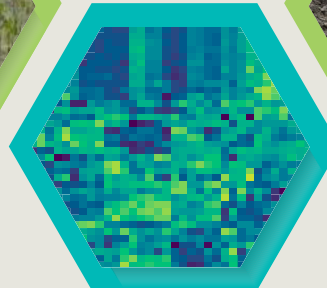
Phyto-remediation

Wetland Rehabilitation



Mangrove Restoration

Molecular Biological Tools



Passive Remediation