



Shared Prosperity Dignified Life

COP27
SHARM EL-SHEIKH
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UN Climate Change High-Level Champions

Towards COP27: Arab Regional Forum on Climate Initiatives to Finance Climate Action and the SDGs Project Fact Sheet

Cultivate one million mangrove seedlings

SULTANATE OF OMAN

Climate finance purpose
Mitigation
Sector
Agriculture, Water
Geographic coverage
National/ The Governorates: Al Batinah north, Al Batinah south, Muscat, Al Wusta, and Dhofar
Description
A type of Mangroves known as <i>avicennia marina</i> is considered one of the most important environmental features that characterize the marine environment in the Sultanate of Oman. This species is distributed in several coastal areas, extending from the Al Batinah governorate in the north, through the Governorate of Muscat, the Eastern governorate, Mahout Island, and the Dhofar Governorate in the south, as the total area covered by mangroves in the Sultanate is about 800 hectares. The Environment Authority sought to implement a long-term plan to rehabilitate and preserve mangroves in the various governorates of the Sultanate through cultivating mangroves and rehabilitating lagoon. New groves were cultivated and the surface area covered increased. 754 thousand seedlings were cultured by the end of July 2022, represented in 32 sites along the coast of the Sultanate.
Beneficiaries
6 Governorates
Climate rationale
Mangroves are an important natural resource in preserving the ecological balance and nursery areas for many commercial value fish and other marine organisms and is a key factor in mitigating carbon dioxide emissions in the atmosphere, as mangrove forests absorb and store more CO ₂ in the soil than any rainforest. Mangroves reduce erosion may keep up with sea level rise which cause intrusion into aquifers and affect badly the quality of underground water extraction for agriculture. Also, the sea level rise leads to inundated areas and reduce the cultivable areas with rise soil salinization problem. Recently, the Sultanate of Oman has been increasingly exposed to tropical cyclones and extreme weather conditions, which causes deaths and property damages. For instance, Gunu cyclone in 2007 led to 50 deaths and over US\$ 4 Billion loses in properties. Wherefor, mangrove forests are natural buffers and protect against high waves caused by tropical cyclones as they absorb and scatter waves which protect residential areas and other environments, in addition to protecting urban areas from torrential valleys.
Expected outcomes
<ul style="list-style-type: none"> • Capturing greenhouse gas to help restore mangrove estuaries and their ecosystems. • Creating a wave of positive ripple effects in the lives of the people and communities where the project is located. • Supporting the increase and diversity of fish stocks by providing a safe environment for growth, breeding and protecting some marine organisms from extinction. • Helping in the fulfilment of multiple Goals of the 2030 Agenda for Sustainable Development, reflected most clearly in Sustainable Development Goal 14; Life Below Water and support Goal 13; climate action , and Goal 15, Life on Land.
GHG reduction target
N/A

Project implementation period			
Planned start date: 01/01/2023 Planned end date: 31/12/2027			
Total Project Cost			
Amount in National Currency: Total amount for 5 years is OMR 216,475 for 25 ha Amount in US\$ equivalent (per 1 August 2022 exchange rate): USD 22,513.40 / ha equivalent to USD 562,835 for 25 ha with possible expansion to 800 ha \$ to cover entire mangrove population at a cost of 18,010,720.			
Financing requirement			
Activity	Requirement	Amount (OMR)	Amount (USD)
Transplantation	- Sub contract to supplier labors - Equipment necessary - Sub contract to supplier truck for carry trees - Supervising the cultivation campaigns & following up the progress of work (with vehicle)	30,395	79,027
Rehabilitation of nurseries	Sub contract to supplier labors + equipment necessary	5,600	14,560
Seed collection	Sub contract to supplier labors + equipment necessary	2,300	5,980
Promotional materials	brochures, flyers	3,000	7,800
Awareness Programs	Implement awareness activities for school & university students and fisherman	1,000	2,600
Building Capacity	Specialized courses in mangrove in first year	5,000	13,000
Expected Tenor / Duration of financing: 5 years			
Project Status (select one): Feasibility			
Contractual Structure (select one or more): Government Ownership			
Project proponents			
Environment Authority, Ministry of Housing & Urban Planning, Ministry of Agriculture, Fisheries and Water Resource, Petroleum Development Oman, Oman Women's society.			
Contact persons			
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