

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

**Sustainable Management and Land Restoration in the
Koudiat Acerdoune Dam Watershed**

ALGERIA

Climate finance purpose
Co-Benefits
Sector
Agriculture
Geographic coverage
Local
<ul style="list-style-type: none"> - Bouira governorate (wilaya) with 12 municipalities - Médéa governorate (wilaya) with 31 municipalities
Description
<p>The project is part of the United Nations Decade for Ecosystem Restoration (2021-2030). It also meets the objectives of the national targets set in terms of land degradation neutrality and in particular the preservation of 1.5 million hectares of land located in the watersheds upstream of the dams by 2030.</p> <p>Protecting watersheds helps to avoid heavy carbon losses due to erosion. This protection also has significant co-benefits, in terms of maintaining the fertility of agricultural soils and limiting dams' siltation.</p> <p>The proposed project is located in the watershed of the Koudiat Acerdoune dam in northern Algeria and covers an area of 283,130 hectares (ha) spanning over two Wilayas (governorates) namely Bouira (12 municipalities representing 15% of the total area) and Médéa (31 municipalities representing 85% of the total area). The population of watershed territory is estimated at 276,000 inhabitants.</p> <p>This watershed is located upstream of an important dam with a potential capacity of 640 hm³ and is threatened by the impact of climate change and land degradation due to water erosion.</p> <p>A study of this watershed was carried out and identified an estimated area of 68,000 ha as the most priority intervention area according to the degree of land degradation by erosion.</p>
Beneficiaries
<p>The groups targeted by this project are farmers and breeders as well as various stakeholders in the value chains of agricultural, livestock and forestry products. The project will allow for the creation of 5,000 jobs, out of which 300 jobs will be dedicated to women, by promoting income-generating activities from para-agriculture and green jobs.</p>
Climate rationale
<p>Algeria has confirmed its desire to act against climate change, by ratifying the United Nations Framework Convention on Climate Change and the Paris Agreement and has put specific national objectives to meet international commitments.</p> <p>Vulnerability studies highlight the climate changes observed in Algeria show a rise in temperatures and an increase of endemic droughts, causing desertification, forest degradation and soil erosion.</p> <p>Algeria is therefore highly impacted by climate change with negative consequences on its economic and social development and the environment.</p>
Expected outcomes
<ul style="list-style-type: none"> - National technical capacities for planning and sustainable land management and integration of climate issues are strengthened. - Agricultural, forest and pastoral lands are preserved and restored, and good practices for water and soil conservation are improved.

- Species (forest trees, fruit trees and aromatic and medicinal plants) with high socio-economic value and resistance to drought are developed.
- Green jobs, especially for young people and women, are developed.

Outcomes contribute to SDG13.

GHG reduction target

150,000 tonnes of carbon dioxide equivalent (tCO₂e), total 50000 equivalent (tCO₂e) per year

Project implementation period

2023-2026

Total Project Cost

Amount in National Currency: 2 billion DNZ

Amount in US\$ equivalent (per 1 August 2022 exchange rate): 15 million USD

Financing requirement

Amount in National Currency: 422 million DNZ

Amount in US\$ equivalent (per 1 August 2022 exchange rate): 3 million USD

Expected Tenor / Duration of financing: Three years

Project Status:Pre-feasibility

Contractual Structure: Government ownership

Project proponents:

- Ministry of Agriculture and Rural Development
- Ministry of Environment
- Minister of Water Resources and Water Security
- Ministry of the Interior, Local Authorities and Territorial Planning
- Forestry department and its local subsidiaries (local forestry conservations departments)
- Technical institutes (INRF)
- National Agency for Dams and Transfers (NADT)
- National Agency for Integrated Management of Water Resources (NAIMWR)
- Ministry of Health and Hospital Reform



Contact persons

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Emblem/photo, chart or another visual asset



Photo 2 : Agriculture sur pente forte



Photo 3 : Présence de ravines sur les pentes



Photo 9 : Paysage de badlands (roubines)

