



SAHARA  
AND SAHEL  
OBSERVATORY

# DESERT ECOSYSTEMS AND LIVELIHOODS KNOWLEDGE SHARING AND COORDINATION MENA-DELP REGIONAL PROJECT

Coordinated by **OSS**, the **MENA-DELP** project is a part of the **MENA-DELP** support program to five investment projects in five **MENA** countries : *Algeria, Egypt, Jordan, Morocco and Tunisia*.

Funded by **GEF** through the World Bank to the tune of 1000 K\$ for a duration of 4 years (2013-2017) the project has contributed to strengthening cooperation in the field of sustainable desert ecosystems management among a number of selected national institutions and organizations.

## Middle East and North Africa (MENA)

- 90 % arid, semi-arid, sub-humid and dry areas
- Water shortage, Degrading natural resources and Changing climate
  - Threatened desert livelihoods.



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# KNOWLEDGE AND GOOD PRACTICES SHARING

For a better understanding of linkages between ecosystem services and populations' livelihoods in desert areas

## *Elaboration of guidances for decision-makers*

- Land use thematic Atlas
- Guidance notes and syntheses (Water resources, Oasis, Carbon sequestration, Ecosystem natural capital accounting, Sectors development)
- Thematic studies on the potentialities and development prospects of desert areas (Pastoral ecosystems, Tourism, Sericulture and geothermal waters, Medicinal and aromatic plants)
- Strategic regional studies for sustainable management of forest and wooded lands

## *Promotion of good desert ecosystems management practices*

- Regional thematic workshops for studies sharing
- Study trips to the MENA-DELP national pilot projects
- Discussion forum and online questionnaires on various themes of interest related to the Sahara-Sahel region (Post-Paris challenges, Access to climate finance, Sustainable Oasis in the Circum-Sahara, Land Degradation Neutrality)
- Presentation of the programme during international events (CoP 22 and 23 to the UNFCCC, CoP 12 and 13 to the UNCCD...)

Study Trip - Morocco



Study Trip - Tunisia



Study Trip - Jordan





# INFORMATION SYSTEM

To promote local know-how in sustainable desert ecosystems management

- **Development of a Geoportal** comprising thematic maps on the MENA region's natural resources. Several training workshops on the IS utilization to strengthen Experts technical capacities
- **Development of a “spatio-temporal”** profiletool integrated in to the project internet portal and allowing near-real-time monitoring of climate and ecological variables (vegetation, rainfall...).

# MONITORING & EVALUATION SYSTEM

To monitor and assess projects results

- Development of an online indicators monitoring-evaluation database
- Elaboration of syntheses on the MENA-DELP program indicators
- Elaboration and publication of a monitoring-evaluation guide for better decision-making in terms of natural resources management
- Strengthening partners' capacities through the development of modules and the organization of training sessions.

<http://www.oss-online.org/mena-delp>

Coordination et partage des connaissances sur les écosystèmes désertiques et les moyens de subsistance

## MENA-DELP

Accueil Programme La Carte Actions Ressources GEE

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Layers

- Biosphères
- Water (FAO)
  - Land cover (Global Land Use)
  - Annual Potential Evapotranspiration (GDDM)
  - Arable land (GDDM)
  - Livestock production systems (FAC)
  - Pasture density (Index of Biomass)
  - Climate data (Index of Biomass)
- Desert soil (ISIMM)
  - Chemical Cereals
    - E-Fert. Cereals
    - C-Fert. Cereals
    - Bio-VetC. Cereals
  - FODC/OLIV/PEELS
  - Sedimentation
  - E-Fert. Grasses
  - Livest. Production
  - LIVESTOCK
  - Cultive. Methods

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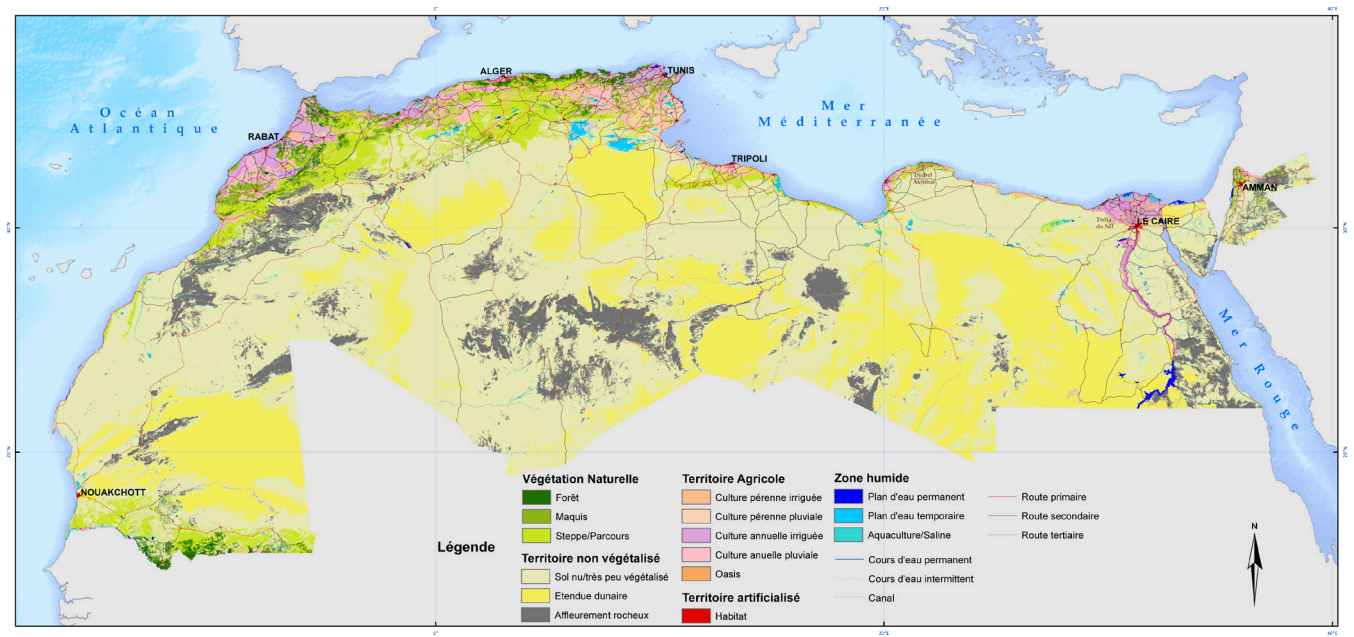
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# MENA DELP STRENGTHENING EXPERTS CAPACITIES

Organization of training workshops on different operational tools and themes :

- Monitoring-evaluation and geo-spatial tools and services (GIS, REMOTE SENSING - GEOPORTAL - COLLECT EARTH)
- Climate finance
- Land Degradation Neutrality and Climate Smart Agriculture.



MENA Land Cover Map and Thematic Atlas

Thematic studies on the potentialities and development prospects of desert areas

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MENA-DELP

COORDINATION ET PARTAGE DES CONNAISSANCES  
DANS LES OBSERVATOIRES DÉSERTIQUES ET LES RÉGIONS  
DE SUBSÉQUENCE AU PROFIT DE L'ALGÈRE, L'ÉGYPTE,  
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