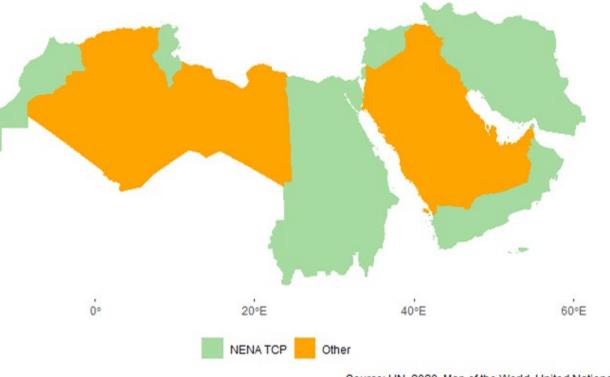


Capacity Development for the Sustainable Management of Soil Resources in NENA Region to Achieve the Sustainable Development Goals

BASIC INFORMATION

- 12 NENA countries
 Egypt, Jordan, Iran, Morocco, Lebanon, Iraq,
 Sudan, Tunisia, Yemen, Palestine, Oman, Syria
- Starting date 21 October 2020
- End date 20 May 2022
- Extended to 31 December 2022
- Total Budget USD400,000



Source: UN, 2020. Map of the World, United Nations.



Capacity Development for the Sustainable Management of Soil Resources in NENA Region to Achieve the Sustainable Development Goals

Project objectives:

Objective 1: have a better **understanding of the status of soil resources** in the NENA region

Objective 2: explore the **potential of and scale up** sustainable soil management (**SSM**)

Objective 3: contribute to execution of the **NENA** Soil Partnership's **implementation plan**

Objective 4: address national/regional needs and priorities Promoting sustainable soil management for all



Capacity Development for the Sustainable Management of Soil Resources in NENA Region to Achieve the Sustainable Development Goals

BASIC INFORMATION

SOIL DATA MANAGEMENT & MAPPING

SOIL LABORATORIES



Capacity Development for the Sustainable Management of Soil Resources in NENA Region to Achieve the Sustainable Development Goals

SOIL LABORATORY ACTIVITIES

Objective 1: Capacity building

- 5 days assessment of laboratories need
- 12 days trainings (hopefully in person)

Objective 2: Retrieval of information for the preparation of a second phase project



Capacity building: beneficiary laboratories

The **National Reference Laboratory** in each beneficiary country.

https://www.fao.org/fileadmin/user_upl oad/GSP/docs/Presentation%20of%20GL OSOLAN.pdf



12 December 2018

Ref. Presentation of the Global Soil Laboratory Network

To whom it may concern,

In November 2017, the Global Soil Laboratory Network (GLOSOLAN) was established under the framework of the Global Soil Partnership (GSP) and its Pillar 5 on the harmonization of methods, measurements and indicators for the sustainable management and protection of soil resources. GLOSOLAN aims to strengthen the performance of laboratories towards the development of standards and to harmonize soil analysis procedures in order to make soil information across laboratories, countries and regions comparable and interpretable. By validating soil laboratory data, GLOSOLAN will ensure that soil management decisions are made using sound and reliable data. Monitoring and reporting activities on e.g. the achievement of the Sustainable Development Goals will also benefit from this network.

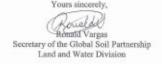
The work of the network is determined and revised within annual meetings which take regional needs and specificities into consideration. In this manner, GLOSOLAN operates through Regional Soil Laboratory Networks (RESOLANs) that correspond to the GSP regions.

In order to agree on and implement GLOSOLAN activities, the GSP Secretariat kindly invites interested soil laboratories to join the network. If interested, please send an email to GSP-Secretariat@fao.org and to Lucrezia.eaon@fao.org. GSP national focal points are kindly invited to identify a leading laboratory in their country to serve as their National Reference Laboratory. The suggested criteria for the selection of the reference soil labs mandate that they (i) contain qualified, trained, and experienced staff, (ii) contain appropriately calibrated and maintained equipment, (iii) regularly apply adequate quality assurance and quality control procedures, (iv) use appropriate (sub-)sampling practices, (v) contain sound testing and/or inspection procedures, (vi) accurately record and report obtained data, (vii) maintain an appropriate testing environment, (viii) apply standards for safety and disposal of hazardous wastes, and (ix) if possible, be accredited or certified after ISO 17025.

National Reference Laboratories are tasked to transfer the knowledge and competencies acquired in GLOSOLAN to other national laboratories by establishing National Soil Laboratory Networks.

Looking forward to your active participation in this important activity.









Operates through
Regional Soil Laboratory Networks
(RESOLANs)



Operates at the national level through registered laboratories and National Reference Laboratories especially, which are tasked to establish

National Soil Laboratory Networks

Global (GLOSOLAN)

Regional (RESOLAN)



Algeria, Bahrain, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Sudan, Syria, Tunisia, United Arab Emirates, Yemen

National (NASOLAN)

Promoting sustainable soil management for all



Regional TCP for the Near East and North African region: beneficiary laboratories

Country	Laboratory official name	Laboratory short name or acronym	Laboratory full address
Syria	Damascus lab		Rural of Damascus - Karahta
Sudan	Main Soil Laboratory-Land Evaluation Research Section, LWRC-ARC		P.O.Box 126, Land and Water Research Centre, Agricultural Research Corporation, Wad Medani, Sudan Renewable Natural Resources Research Center
Yemen	,	SWPL	(RNRRC), Agricultural Research & Extension Authority (AREA). Dhamar, Yemen.
Tunisia	Laboratoire Central d'analyses des sols	LCAS	17.rue Hédi Karray Ariana
Iraq	Soil Chemical Analysis Laboratory	SCHAL	Soil Chemical Analysis Lab, Soil and Water Resources Center, Agricultural Researches Directorate, Ministry of Science and Technology.
Palestine	Nablus central laboratory	Nablus central laboratory	Palestine - Nablus city - Askar camp.
Morocco	Lab. des analyses des sols, eaux et plantes		Unité de l'Environnement & Ress.Naturelels Centre Régionale de la Recherche Agronomie de Rabat Avenue Mohamed Belarbi Alaoui B.P 6356-rabat Institut ,10101-Maroc
1	Soil and Water Research Institute Laboratory	I _	Soil & Water Research Institute. Imam Khomeini Blvd., Meshkin Dasht , Karaj, I.R.Iran
Oman	Soil and Water Lab		P O Box 50 PC 121 Seeb
Jordan	Soil Lab	Soil Lab	National Agricultural Research Center (NARC), P.O.Box:639, Baq'a19381 Jordan
Lebanon	Lebanese Agricultural Research Institute - Fanar	LARI – Soil, Fertilizer & Plant department	Fanar, Jdeideh, El Metn, Lebanon, P.O. Box 90-1965
	Analyses & Studies Component		9 ElGamhaa St., Soil , Water & Environment Res. Inst.,Agriculture Research Center





Regional TCP for the Near East and North African region: beneficiary laboratories

Following the request of beneficiary countries to expand the number of beneficiary laboratories in the project, we are currently working with the following numbers:

Country	Number of beneficiary laboratories	Trainer		
Oman	2			
Yemen	2			
Lebano n	2			
Sudan	10	Dr. Dafalla from		
Jordan	3	Sudan		
Syria	4			
Iraq	10			
Palestin e	4			
Tunisia	1	Dr. Bahri from Tunisia		
Morocc o	1	Dr. Moughli from Morocco		

Iran and Egypt: 1 but there are constraints implementing the project in these countries

Implemented activities and outcome documents:

Activity 1. Laboratory assessment

Outcome document:

- Laboratory assessment report. This includes recommendations for the government to include in the National Action Plan
- Training programme

Activity 2. Training (either virtual or in person) **Outcomes:**

- Video recording of the training (for virtual training)
- Recording of training videos (for in person training)

Regional TCP for the Near East and North African region: beneficiary laboratories

In the attempt to meet countries' requests to work with university laboratories, these are being invited to complete an online survey to assess their capacities and needs. Questionnaire results will NOT be included in the national assessment reports but will be compiled in a regional report with country specific notes.



TCP RAB 3802 Project "Capacity development for the sustainable management of soil resources in the NENA region to achieve the Sustainable Development Goals (SDGs)"

This project was formulated to address the need to raise awareness on the importance of soils in the NENA region and to conserve and manage them sustainably. The project involves 12 countries in NENA (Arab Republic of Egypt, Hashemite Kingdom of Jordan, Islamic Republic of Iran, Kingdom of Morocco, Lebanese Republic, Republic of Iraq, Republic of Sudan, Republic of Tunisia, Republic of Yemen, West Bank and Gaza Strip, Sultanate of Oman and Syrian Arab Republic) and aims to:

- Available in EN and FR
- Information collected through this questionnaire will be used to write a second project proposal with University laboratories as beneficiaries.

Promoting sustainable soil management for all



oman and Synan Arab Republicy and aims to.

Status of implementation of laboratory activities

Country	Assessment	Status	Training	Training details	Status		
Oman	Started on 15 November 2021	Draft assessment report endorsed by the lab	Draft training programme approved by the lab	Early October	Under implementation		
Yemen	Started on 22 November 2021	Assessment report endorsed by the lab	Training programme approved by the lab	Beginning of September TBC	On hold – waiting budg approval		
Lebanon	Started on 29 November 2021	Assessment report endorsed by the lab	Training programme approved by the lab	March	Completed		
Sudan	Started on 16 December 2021	Assessment report endorsed by the lab	Training programme approved by the lab	June	Completed		
Jordan	Started on 10 January 2022	Ongoing		TBC	Under implementation		
Syria	Started on 17 January 2022	Assessment report endorsed by the lab	Training programme approved by the lab	Starting on August 28	Under implementation		
Iraq	Started on 10 February 2022	Ongoing		TBC	Under implementation		
Palestine	Started on 17 February 2022	Assessment report endorsed by the lab	Training programme approved by the lab	Starting on August 15	Under implementation		
Morocco	Started in March 2022	Assessment report endorsed by the lab	Training programme approved by the lab	March-April	Completed		
Tunisia	Started in March 2022	Assessment report endorsed by the lab	Training programme approved by the lab	March-April	Completed		
Iran	Waiting the clearance of the government to implement project activities in general. However, some activities on digital soil mapping are under implementation.						
Favot	Waiting for the government to sign the project document. Because we are close to the closure of the project, the country will not participate in it.						

Capacity Development for the Sustainable Management of Soil Resources in NENA Region to Achieve the Sustainable Development Goals

DIGITAL SOIL MAPPING ACTIVITIES

Output 1. Production of **national soil profile databases and national thematic maps** (e.g. SOC, soil texture, pH maps etc.)

- Activities: Three regional workshops:
 - GSOCseq
 - GSASmap
 - Soil data management

Output 2. Writing of **National Action Plans** to be submitted to each country government. These include notes from the laboratory assessment

Output 3. Writing of a **Regional report**



The implementation of digital soil mapping activities imply the hiring of national consultants

- Hired: Iran, Lebanon, Oman, Tunisia, Sriya, Sudan, Yemen, Iraq,
 Jordan, Morocco, Palestine
- **Not applicable** because the country did not sign the project document: Egypt

National consultants work with **GSP experts** and a **regional consultant** on soil data management and mapping



A high level Ministerial meeting will likely be organized to close the project in December 2022

- Project findings;
- Signature of a regional Ministerial Resolution on soil;
- 8th NENA Soil Partnership meeting;
- Official launch of the Soil Atlas of Asia that includes countries in the Near East; and
- World Soil Day celebration.

Hosting country: Sultanate of Oman



Thanks for your attention

