



Food and Agriculture  
Organization of the  
United Nations

# TCP RAB 3802 project - updates

*Ms. Lucrezia Caon, FAO*

## 7<sup>th</sup> NENA Soil Partnership Meeting

22-23 March 2022

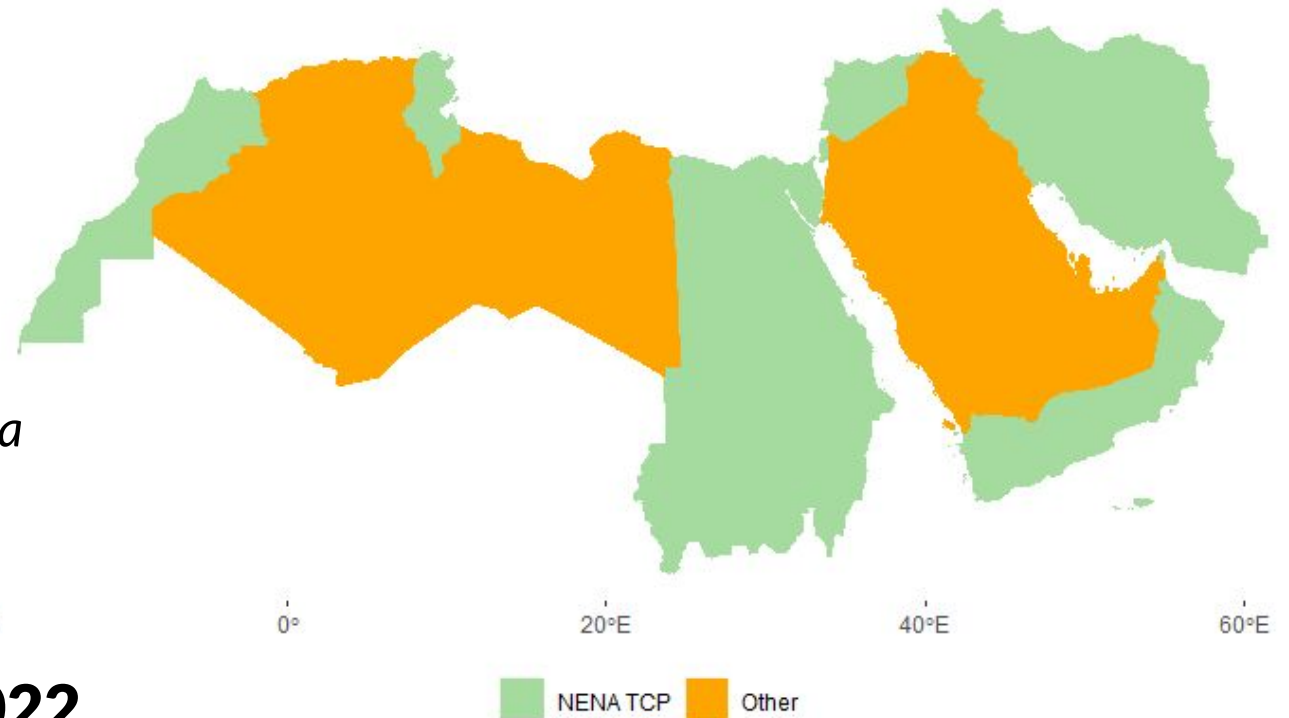


# TCP/RAB/3802

## 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 USD 400,000**



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

# TCP/RAB/3802

## 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

# TCP/RAB/3802

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

# TCP/RAB/3802

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

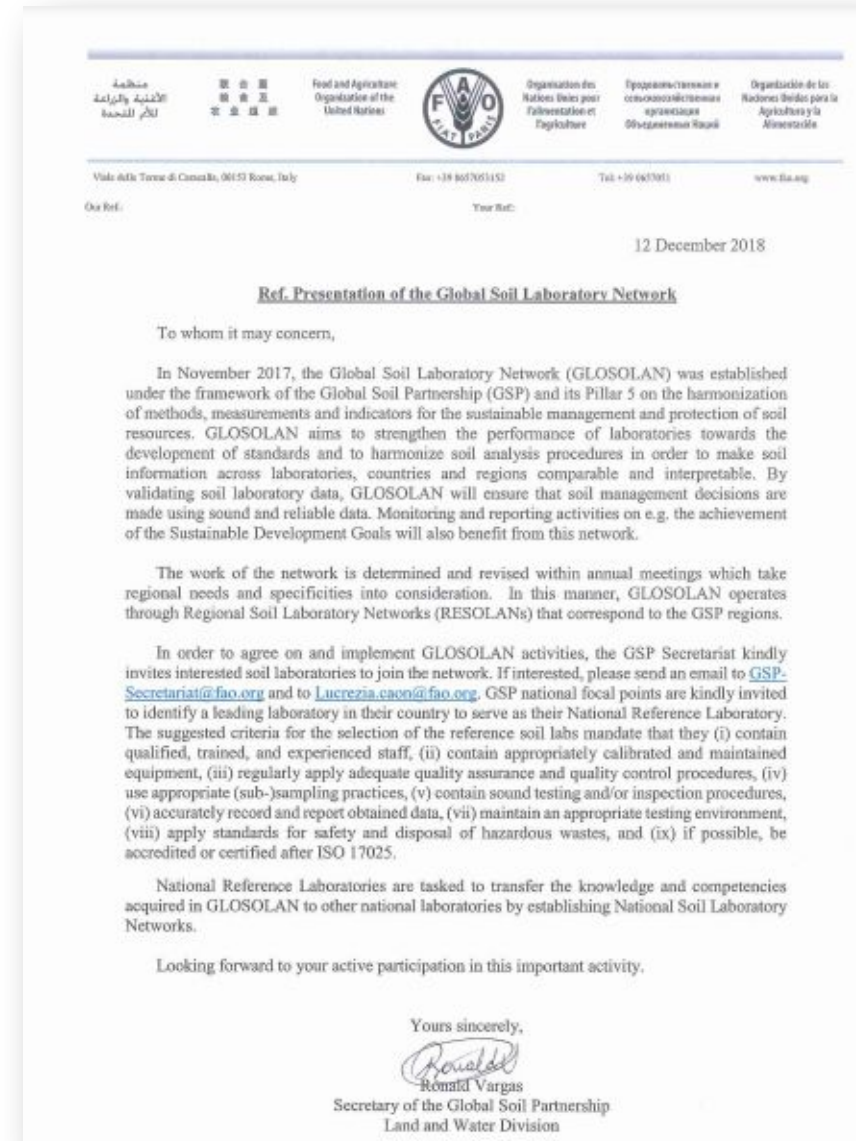
- 5 days assessment of laboratories need
- 12 days trainings (hopefully in person)

### **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\\_upload/GSP/docs/Presentation%20of%20GLOSOLAN.pdf](https://www.fao.org/fileadmin/user_upload/GSP/docs/Presentation%20of%20GLOSOLAN.pdf)



March 2022





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)*



*National  
(NASOLAN)*



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

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

Country	Laboratory official name	Laboratory short name or acronym	Laboratory full address
<b>Syria</b>	Damascus lab	ANRR-lab1	Rural of Damascus - Karahta
<b>Sudan</b>	Main Soil Laboratory-Land Evaluation Research Section, LWRC-ARC	Main Soil Laboratory-LERS-LWRC-ARC	P.O.Box 126, Land and Water Research Centre, Agricultural Research Corporation, Wad Medani, Sudan
<b>Yemen</b>	Soil, Water and Plant Lab.	SWPL	Renewable Natural Resources Research Center (RNRRC), Agricultural Research & Extension Authority (AREA). Dhamar, Yemen.
<b>Tunisia</b>	Laboratoire Central d'analyses des sols	LCAS	17.rue Hédi Karray Ariana
<b>Iraq</b>	Soil Chemical Analysis Laboratory	SCHAL	Soil Chemical Analysis Lab, Soil and Water Resources Center, Agricultural Researches Directorate, Ministry of Science and Technology.
<b>Palestine</b>	Nablus central laboratory	Nablus central laboratory	Palestine - Nablus city - Askar camp.
<b>Morocco</b>	Lab. des analyses des sols, eaux et plantes	Lab-URECRN	Unité de l'Environnement & Ress.Naturels Centre Régionale de la Recherche Agronomie de Rabat Avenue Mohamed Belarbi Alaoui B.P 6356-rabat Institut ,10101-Maroc
<b>Iran</b>	Soil and Water Research Institute Laboratory	SWRI-Lab	Soil & Water Research Institute. Imam Khomeini Blvd., Meshkin Dasht , Karaj, I.R.Iran
<b>Oman</b>	Soil and Water Lab	SWL	P O Box 50 PC 121 Seeb
<b>Jordan</b>	Soil Lab	Soil Lab	National Agricultural Research Center (NARC), P.O.Box:639, Baq'a19381 Jordan
<b>Lebanon</b>	Lebanese Agricultural Research Institute - Fanar	LARI – Soil, Fertilizer & Plant department	Fanar, Jdeideh, El Metn, Lebanon, P.O. Box 90-1965
<b>Egypt</b>	Analyses & Studies Component	ASC	9 ElGamhaa St., Soil , Water & Environment Res. Inst.,Agriculture Research Center

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## 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	Dr. Dafalla from Sudan
Yemen	2	
Lebanon	2	
Sudan	10	
Jordan	3	
Syria	4	
Iraq	10	
Palestine	4	Dr. Bahri from Tunisia
Tunisia	1	
Morocco	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:

1. Understand soil characteristics (challenges and enhance management practices)

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

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# Status of implementation of laboratory activities

Country	Assessment	Status	Training	Modality	Status
Oman	Started on 15 November 2021	Draft assessment report to be endorsed by the lab	Draft training programme to be approved by the lab	In person	On hold – waiting for the lab to approve the assessment report and the training programme
Yemen	Started on 22 November 2021	Assessment report endorsed by the lab	Training programme approved by the lab	Virtual	On hold – waiting budget approval
Lebanon	Started on 29 November 2021	Assessment report endorsed by the lab	Training programme approved by the lab	Virtual	Under implementation
Sudan	Started on 16 December 2021	<p><b>Please submit your questionnaire and all assessment material by the end of March.</b></p> <p><b>Dr. Dafalla will process information and draft the assessments in April for training to start in May.</b></p>		In person	<p><b><u>For virtual training only:</u></b></p> <p><b>We will give the opportunity to countries with similar needs/problems to jointly participate to some training session in order to share experience and learn from each other</b></p>
Jordan	Started on 10 January 2022			In person	
Syria	Started on 17 January 2022			In person	
Iraq	Started on 10 February 2022			Virtual	
Palestine	Started on 17 February 2022			Virtual	
Morocco	Started in March 2022	Draft assessment report ready		In person	To be implemented in March-April 2022
Tunisia	Started in March 2022	Draft assessment report ready		In person	To be implemented in March 2022
Iran	Waiting the clearance of the government to implement project activities in general. However, some activities on digital soil mapping are under implementation.				
Iraq	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.				



# TCP/RAB/3802

## 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 **done**
  - GSASmap **done**
  - Soil data management **pending**

**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
- **Under the process of being hired:** 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



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*Thanks for your  
attention*

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