



Food and Agriculture  
Organization of the  
United Nations

# 3<sup>rd</sup> Meeting of the Regional Soil Laboratory Network for Africa (AFRILAB)

18 October 2021

## Global Soil Doctors Programme

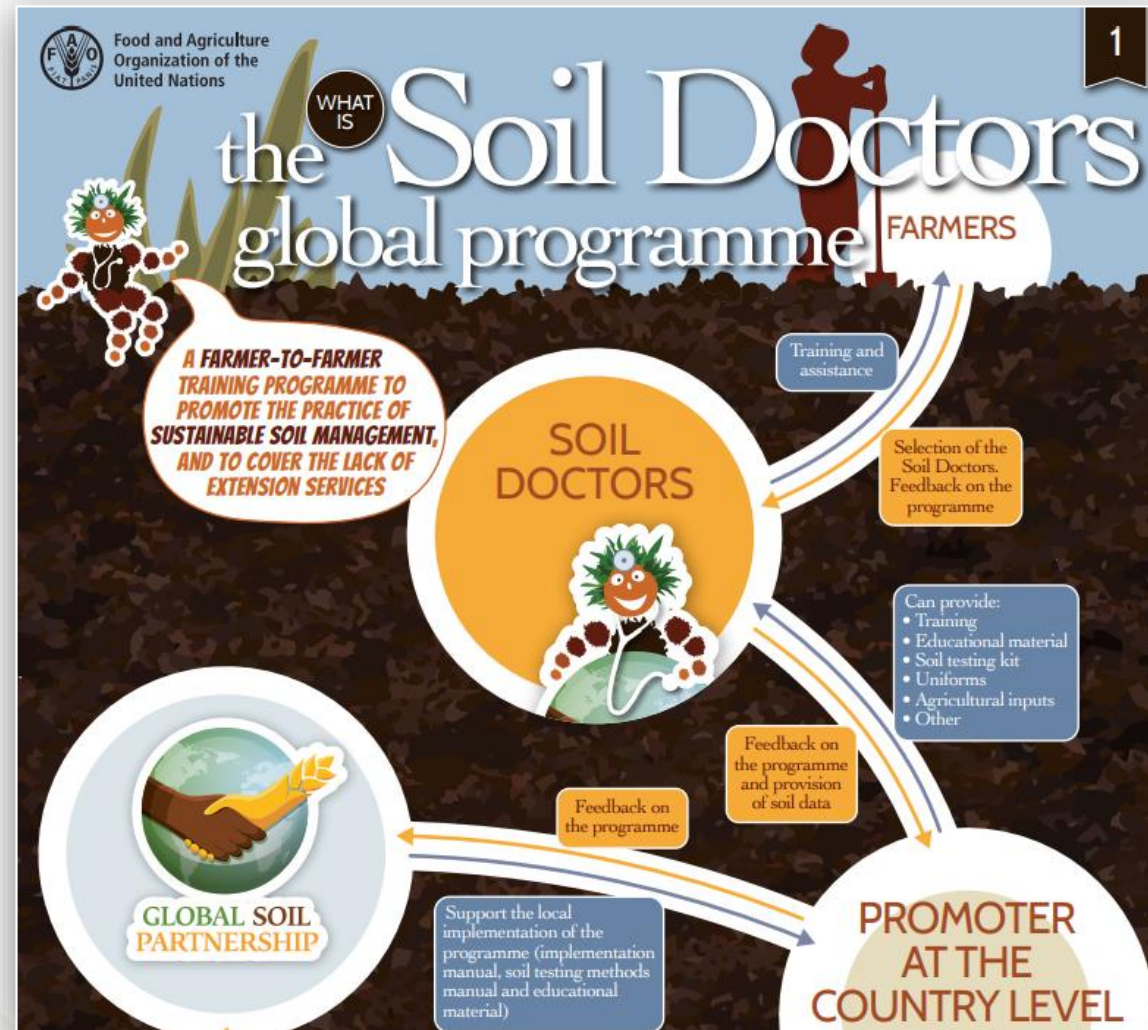
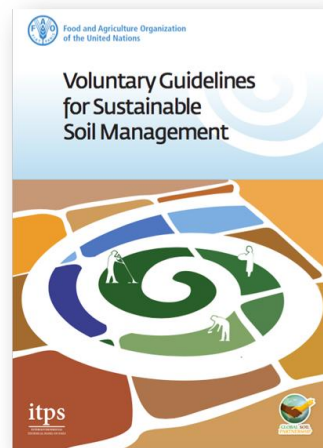
*Implementation activities*



**AFRILAB**  
AFRICAN SOIL LABORATORY NETWORK



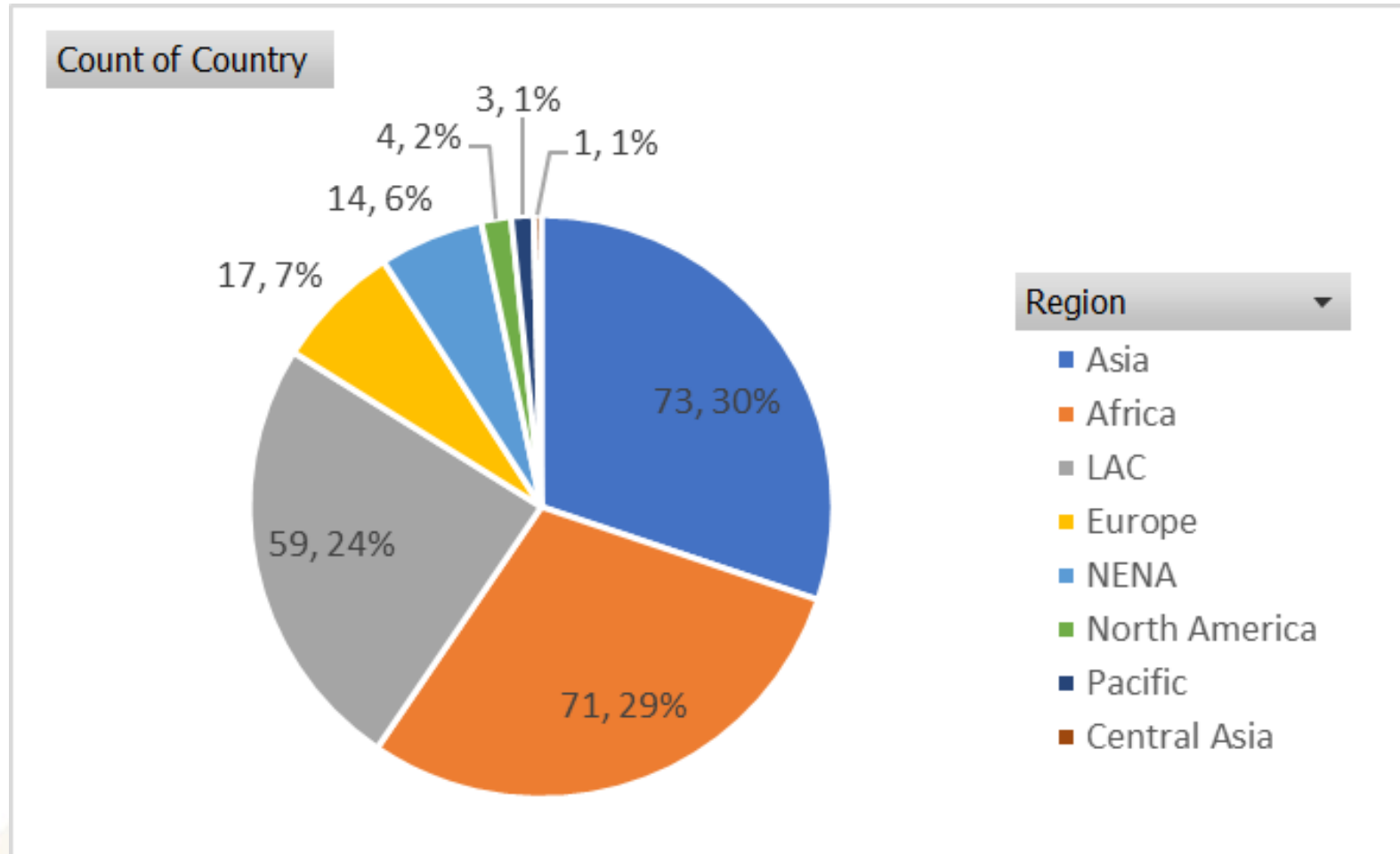
# What is it?



3<sup>rd</sup> Meeting of the **Regional Soil Laboratory Network for Africa (AFRILAB)** | 18 October 2021



# Online questionnaire



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# Implementation activities

Country	Promoter	Topic	Trainers	Farmers	Soil Doctors
Kazakhstan	Farmers association	Salinity	10	200 to 300	50
Bangladesh	SRDI - DAE	Soils4nutrition	10	800	15
Thailand – Lancang-Mekong	Thailand - LDD	TBD	TBD	TBD	TBD
Burkina Faso	TBD	Soils4nutrition	TBD	TBD	TBD
Malawi	TBD	Soils4nutrition	TBD	500 to 800	TBD
Ghana	TBD	TBD	TBD	TBD	TBD
Gambia	TBD	TBD	TBD	TBD	TBD
Nigeria	TBD	TBD	TBD	TBD	TBD
Mexico	National Universities	General	30	400 to 600	TBD
Colombia	AGROSAVIA	General	TBD	TBD	TBD

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# Posters translations



## What is soil?

Soils are complex mixtures of minerals, water, air, organic matter, and countless organisms that together support life on Earth.

**Download PDF:** [High res](#)

**Official languages:** French | Spanish | Chinese | Russian | Arabic

**Other languages**

Chichewa; Chewa; Nyanja - [High res](#) | Kazakh - [High res](#) | Tumbuka - [High res](#) (soon available)



## How to manage soil nutrients?

This poster explains how to manage soil nutrients.

**Download PDF:** [High res](#)

**Official languages:** French | Spanish | Chinese | Russian | Arabic

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Chichewa; Chewa; Nyanja - [High res](#) (soon available) | Tumbuka - [High res](#)

# Soil educational kits

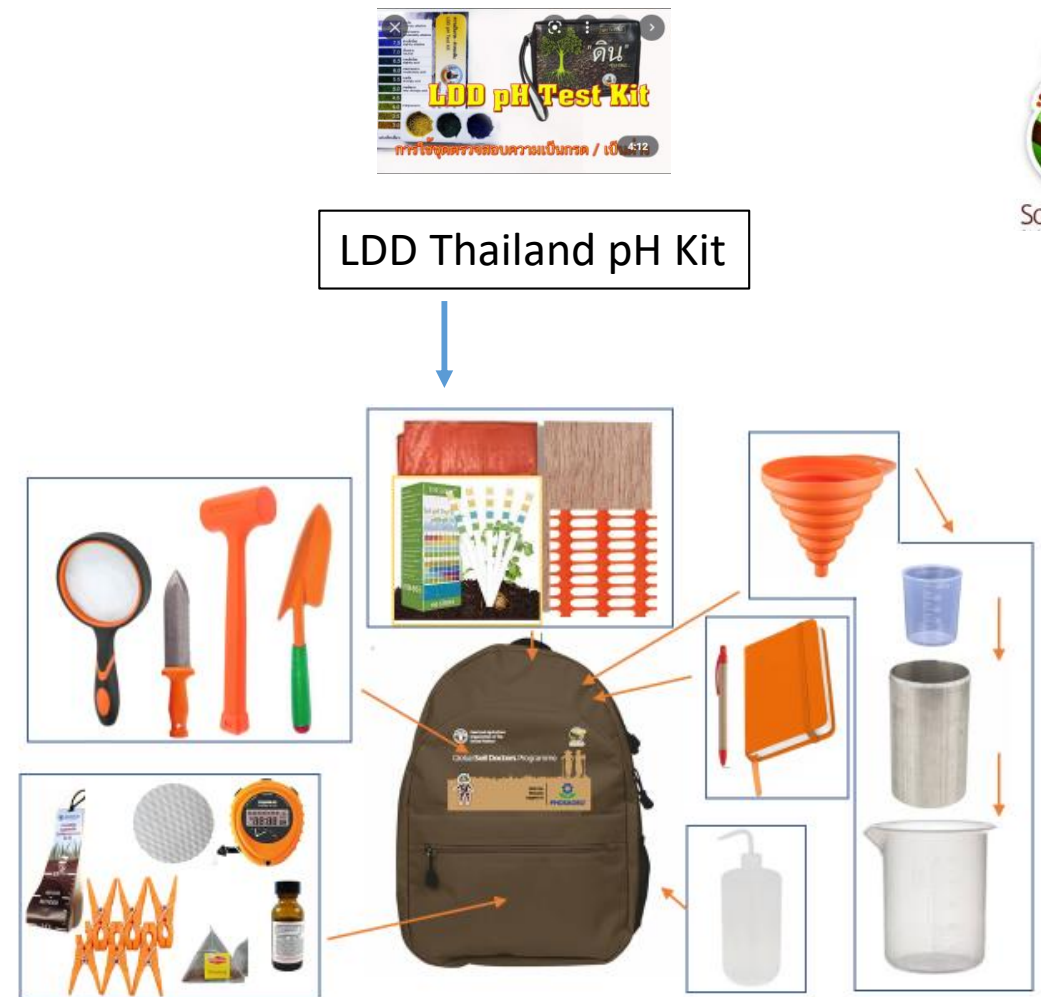
Soil Kit - Standard version <a href="#">(qualitative assessment)</a>	
Type	Feature
Physical properties	Texture
	Organic matter*
	Infiltration
	Soil structure
	Aggregate stability
Chemical properties	Soil pH
	Carbonates
Biological properties	Litter decomposition
	Invertebrates
	Roots status*

# Soil educational kits

## Reagents if needed:

- Mild acid (carbonates)
- Hydrogen peroxide (OM oxides)
- NaF (allophones)
- Hellige (pH universal reagent)
- Other specific reagents

In some countries, baking soda and vinegar are used for extreme pH observation





# Way forward

- The GSP can provide the containers and the local laboratories the reagents if needed.
- If possible, the programme promotes soil laboratory analysis for specific soil assessment
- Develop a Soil Doctor posters for soil laboratory analysis: what to analyse in soils? How to interpret a soil analysis?
- Additional information to develop: crops requirements and deficiencies symptoms







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Thanks for your attention

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