



Food and Agriculture
Organization of the
United Nations

The Global Soil Doctors Programme in the Soils4Nutrition project in Bangladesh



Federal Ministry
of Food
and Agriculture

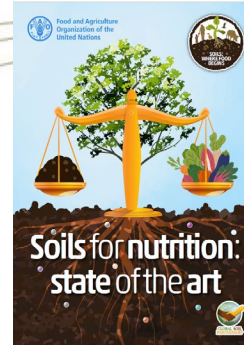
Silvia Pioli – Carolina Olivera, FAO/GSP

Promoting sustainable soil management for all



Main project outputs

- Soils4Nutrition: state of the art
- Demonstration sites
- National policy briefs
- Technical guidelines
- Farmers training
- Global symposium on Soils4Nutrition



Promoting sustainable soil management for all



SSM practices implemented in field trials



Federal Ministry
of Food
and Agriculture

Crop rotation / Pulses

Micronutrient fertilizers



Source



Rate



Time



Place



Soil organic matter application



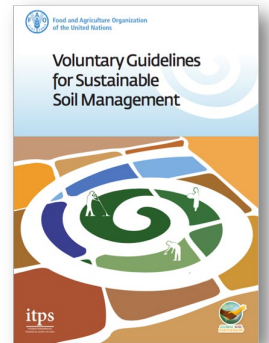
Promoting sustainable soil management for all



Global Soil Doctors Programme



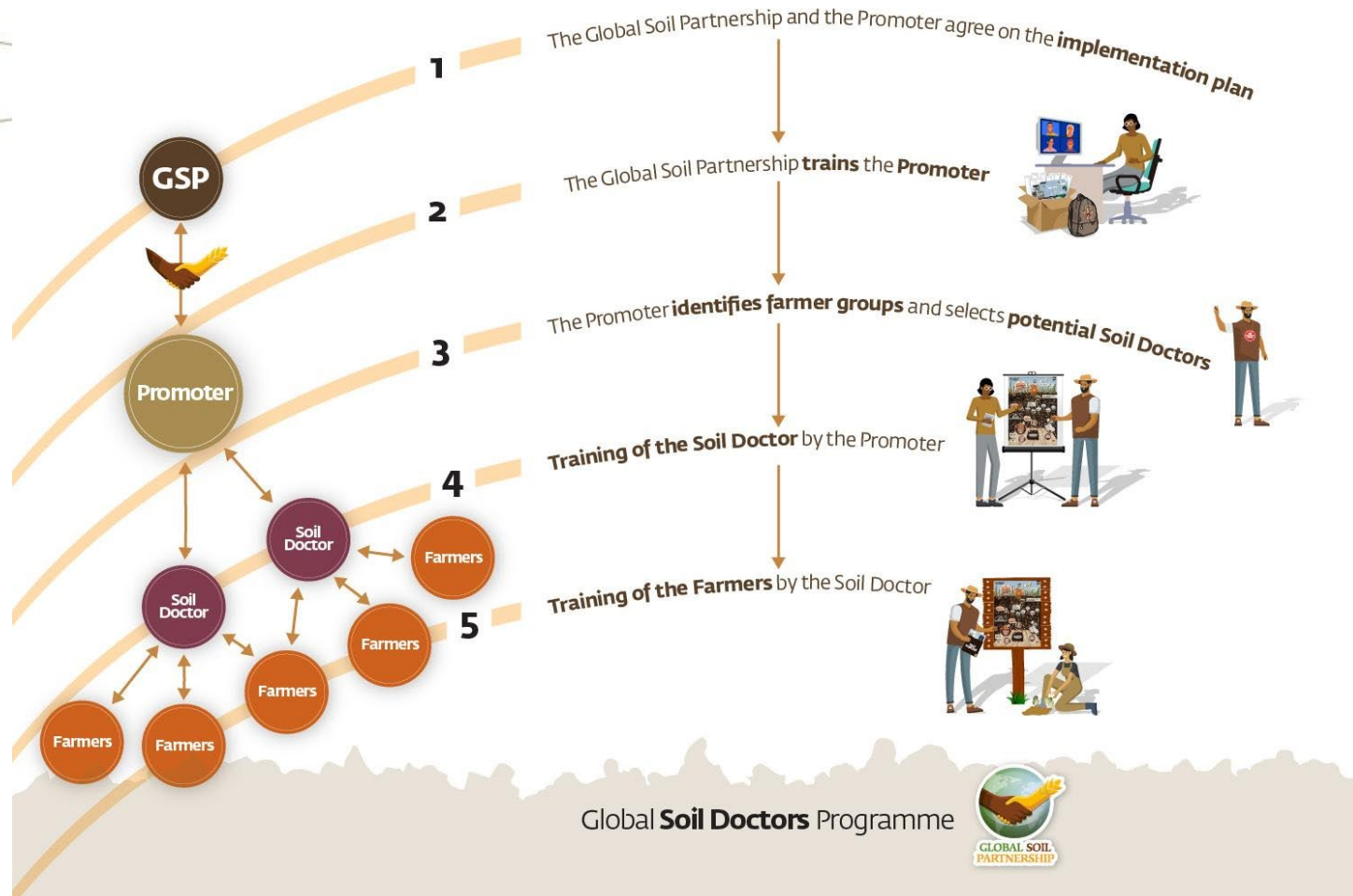
- Farmer to farmer programme
- Build the capacity of farmers on soils and sustainable soil management;
- Provides educational material
- Supporting governmental agencies and organizations working on agricultural extension in the field.



Promoting sustainable soil management for all



Global Soil Doctors Programme roadmap



National promoter:



DAE

কৃষি
সম্প্রসারণ
অধিদপ্তর

SRDI

মৃত্তিকা সম্পদ
উন্নয়ন
ইনস্টিটিউট

The national promoter is key:

- Reach the farmers and implement sustainable soil management practices
- Provide efficient support to farmers, updated materials and tools
- Compile national feedback, pictures, videos
- Get international visibility
- Promote experience exchanges



Promoting sustainable soil management for all



First step: find the promoting institution

- Terms of reference

List of criteria for the promoter's selection, roles and benefits

- Registration form

Formalization of the voluntary collaboration between GSP and the promoter

Food and Agriculture Organization of the United Nations

GLOBAL SOIL DOCTORS PROGRAMME
PROMOTERS' TERMS OF REFERENCE (ToRs)

The Global Soil Doctor Programme (GSDP) is a farmer-to-farmer training initiative that was developed by the Global Soil Partnership (GSP). The Programme aims to provide farmers with educational materials to learn about Sustainable Soil Management (SSM). The "champion" farmers – recognized as "Soil Doctors" are selected to support and educate other farmers from their local community. This scheme creates a self-sufficient exchange process that promotes the practice of SSM.

The success of the Programme depends to a large extent on the existence of a promoter, a national institution or organization that facilitates the Programme and interacts with the GSP and all stakeholders. The promoter provides technical and financial support and ensures the sustainability of the Programme at the national or local level. The promoters are national figures from government agencies, extension services, academia, and non-governmental agencies (NGOs) that know and understand the local production and socio-economic conditions, challenges, and potential.

- 1 The Global Soil Partnership and the Promoter agree on the *Implementation plan*
- 2 The Global Soil Partnership *trains the Promoter*
- 3 The Promoter *identifies farmer groups and selects potential Soil Doctors*
- 4 *Training of the Soil Doctor by the Promoter*
- 5 *Training of the Farmers by the Soil Doctor*

Global Soil Doctors Programme

the Soil Doctors
global programme FARMERS

Promoters' registration form

The first step for the implementation of the Global Soil Doctors Programme (GSDP) at the local level is the identification of a potential Promoter. To determine your institution suitability in implementing the Global Soil Doctors programme, please read the terms of reference (included below). If you are interested in supporting the implementation of the programme in your country, please fill-in the present form. You will receive a CONFIRM of the registration by e-mail.

*Campo obbligatorio

Email *

Il tuo indirizzo email _____

Name of the contact person

La tua risposta _____

Position of the contact person

La tua risposta _____

Country

Scegli _____

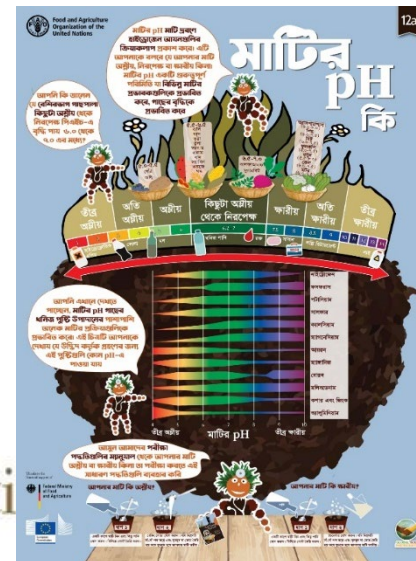
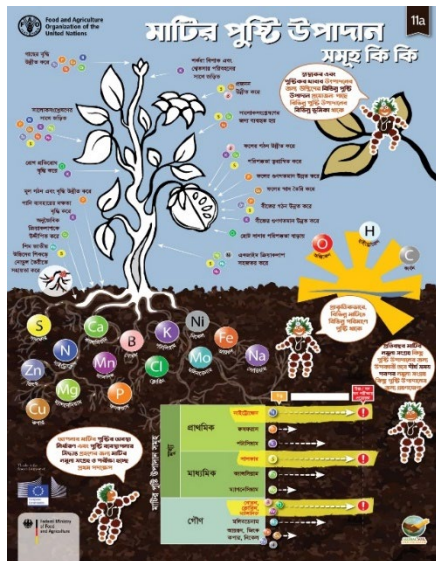
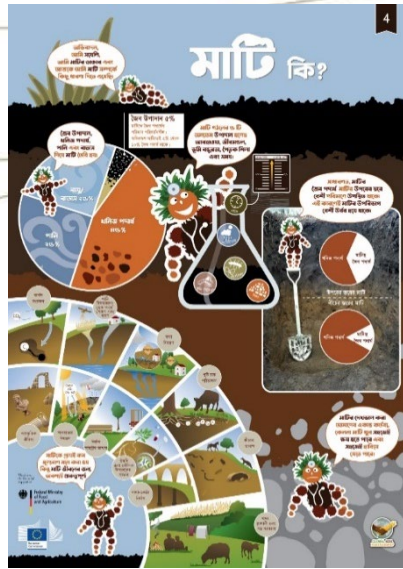
Municipality

La tua risposta _____

Promoting sustainable soil management for all



Global Soil Doctors Programme: Posters



promoti il ma



Global Soil Doctors Programme

First pilot implemented at global level

Training module: Soils4Nutrition

Topic	Soil 4 Nutrition
Objective	Emphasize the role of soil nutrients and soil structural components for agricultural production, food security and nutrition. Identify the best soil conditions that optimize plant nutrients uptake
Posters	<p>What is soil? How to enhance soil organic matter? What is soil pH? How to manage soil nutrients?</p> 
Field exercises	<p>Qualitative assessment of soil physical, chemical and biological properties.</p>  <p>Soil educational toolkit →</p>  <p>Soil pH kit donated by the government of Thailand →</p> 
Evaluation	<p>Final evaluation of soil condition and recommendations on SSM practices</p> 

Step 1: Implementation plan

Training content, translations, agendas, practical exercises, kits, visibility, guidelines

il management for all



Global Soil Doctors Programme

Step 2: Training of 9 trainers

- Voluntary basis,
- Local knowledge,
- Effective dissemination strategies
- Farmers empowerment



Trainers_Ana_Raf.pdf



Trainers_Hum_Kab_Shir.pdf



Trainers_Ibn_Joy.pdf



Trainers_Lut_Rahm.pdf



Trainers_Miz_Rahm.pdf



Trainers_Pa_Ka_Bis.pdf



Trainers_Raj_Ahma.pdf



Trainers_Sam_Sin.pdf



Trainers_Sha_Ahm.pdf

Global Soil Doctors Programme

Chief Guest delivered his speech



Briefing of Session Chair



Step 3:
Identification of farmers groups

Chandina
Chuadanga sadar
Baliadangi Upazila

The national promoter is key:

- Institutional recognition
- Local knowledge

Sustainable soil management for all



Global Soil Doctors Programme

Step 3:
Selection of Soil
Doctors by
certified trainers



Sustainable soil management for nutrition-sensitive agriculture in Sub-Saharan Africa and South East Asia



Global Soil Doctors Programme

Step 4: Training of Soil Doctors

pH determination



Soil sampling



Promoting sustainable soil management for

Global Soil Doctors Programme

Step 4: Training of Soil Doctors

Soil texture



Fertilizer identification



Practical Class on Soil
Organic matter



...promoting sustainable soil management for all



Global Soil Doctors Programme

Step 4: Training of Soil Doctors



Global Soil Doctors Programme



Rozina Akter
Union: Atbarpur



Ayesha Akter
Union: Keronkhal



Md. Tajul Islam
Union: Madhaiya



Astomi Rani Das
Union: Bataghashi



Ariful Islam Liton
Union: Barkarai



Ireen Akther
Union: Gollai



Md. Faruk Bhuiyan
Union: Maijkhari



Md. Nur Alam
Baliadangi,
Thakurgaon



Md. Masum Billah
Union: Barkait



Billal Hossain
Union: Barera



Suma Rani Datta
Union: Mahichal



Md. Saimur Rahman
Union: Suhilpur



Md. Billal Hossain
Talukder
Union: Joyag



Mohibur Rahman
Union: Dollai Nababpur



Md. Abdullah
Chudanga Sadar

**First 15 Soil
Doctors in
the World**

Promoting sustainable soil management for all



Global Soil Doctors Programme

Step 4: Soil Doctors certificates



Promoting sustainable soil management for all



Conclusions of the Soils4Nutrition Project

Soil knowledge and research

- Soils4Nutrition: state of the art
- Demonstration sites
- Global symposium on Soils4Nutrition



Implementation tools

- National policy briefs



- Technical guidelines



- Soil Doctors programme

Enhance soil health
Enhance nutritional food value
Ensure food safety and inoquity

Communication and visibility

- New website to be released

Global Soil Partnership

Home Overview Partners Regional partnerships ITPS Technical networks Areas of work Resources



Global Soil Doctors Programme

- About the programme
- Implementation plan
- Implementation sites
- Educational Material
- How to get involved
- Publications and events

Welcome to the Global Soil Doctors Programme

A farmer-to-farmer training platform

This webpage is designed as a **source of soil information and knowledge on the different components and aspects of the Global Soil Doctors Programme - a farmer-to-farmer training platform**, and the **importance of soil as a vital resource** for farmers, policy makers, development planners, agricultural extension workers, NGOs, private sectors and any other practitioners/interested stakeholder.



Bangladesh

Country
Bangladesh

Promoters
Ministry of Agriculture; Bangladesh Agricultural Research Council (BARC); Soil Resource Development Institute (SRDI)

N of Trainers
10

N of Soil Doctors
15

N of farmers trained
0

Resources
0

Contacts
email

ent for all



GLOBAL SOIL PARTNERSHIP

Communication and visibility

- Highlights published
- Media gallery updated regularly

Positioning the Soil Doctors Programme as a mechanism that matters

As the Soil Doctors Programme enters its second year, it has successfully scaled-up farmer-to-farmer training initiatives in Bangladesh, Malawi and Mexico. The Programme will continue to strike up robust partnerships for the benefit of smallholders, empowering them to scale-up cost-effective, sustainable soil management (SSM) practices.



27/01/2022 Empowering farmers to safeguard sustainable soils

The Global Soil Doctor Programme is a farmer-to-farmer training initiative. The Global Soil Doctor Programme is a farmer-to-farmer training initiative. The Global Soil Doctor Programme is a farmer-to-farmer training initiative. The Global Soil Doctor Programme is a farmer-to-farmer training initiative.

These pilot schemes have illustrated the importance of establishing the national promoter and the “champion” farmer – also known as other farmers in the local community.

Promoters are an essential component of the Programme across a country so that they can offer solutions from knowledge, experience and resources to extend them to their local communities. Promoters are often national extension services, soil science societies, agricultural organizations (NGOs) or farmers’ associations.

Thailand’s testing kits empower farmers to monitor the state of their soils

Getting the balance right: regulating soil pH values to improve agricultural production



23/02/2022 The Global Soil Partnership's (GSP) Soil Doctors Programme is upgrading the soil testing kits that are part of the Programme's educational materials thanks to a donation from the government of Thailand.

Earlier this month, Thailand donated 1,000 soil pH testing kits to the GSP to be distributed to farmers who are participating in the Programme, which currently spans Bangladesh, Bolivia, Burkina Faso, Colombia, the Gambia, and Mexico.

Other countries will be selected to engage over the course of 2022 so that the Programme can enhance its' capacities and extend the reach of sustainable soil management (SSM) to different regions around the world.

The Soil Doctors Programme started in Thailand in 1995 and is now being extended globally through the GSP. The Thai government has supported a number of the GSP's initiatives over the past ten years and is committed to soil health and SSM.

Hej was a passionate and recognised soil scientist, and the member – is held in his name.

agement for all



Malawi



Mexico



Food and Agriculture Organization of the United Nations

Thank you

Kazakhstan



Bolivia



Promoting sustainable soil management for all



Federal Ministry of Food and Agriculture



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silvia.pioli@fao.org