



Food and Agriculture
Organization of the
United Nations

7th Asian Soil Partnership MEETING

9-10 March 2022

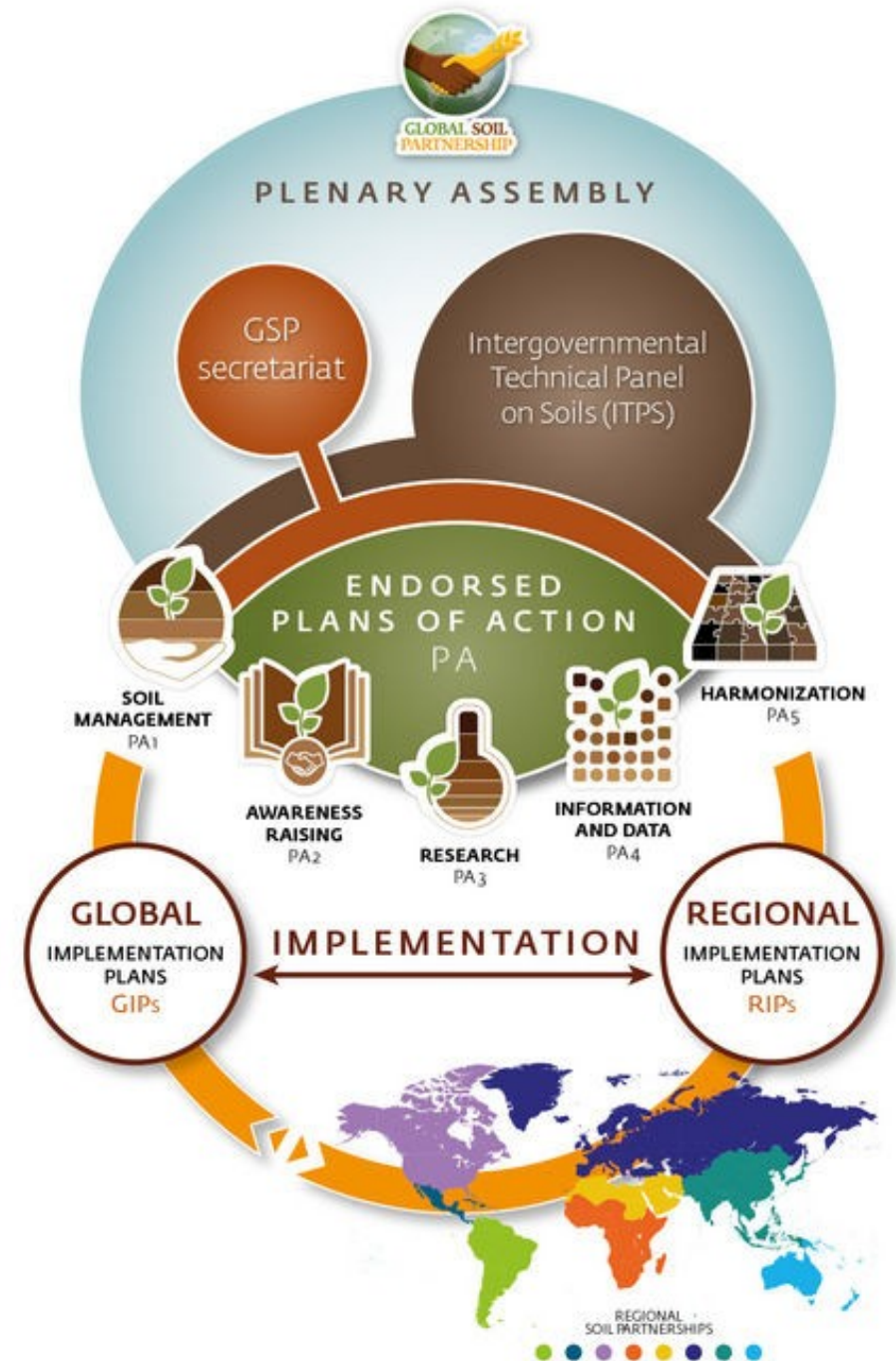
The Global Soil Partnership *triggering actions on sustainable soil management*

Ms. Lucrezia Caon
Global Soil Partnership, FAO



Global Soil Partnership

- Established in 2012
- A mechanism to develop a **strong partnership** and enhance **collaboration** between all stakeholders
- With the common objective of improving **governance** and promoting **sustainable soil management**.



We used to operate through Pillars of Action. However, the discussion to move from Pillars to AREAS OF WORK or TOPICS started in 2021. We are working to make this transition in 2022.



Areas of work



Awareness
Raising



Soil
Biodiversity



Capacity
Building



Soil
Information



Soil
Erosion



Soil
Fertility



Soil
Governance



Soil
Pollution



Soil
Salinity



Soil Organic
Carbon



World Soil Day celebration on 5th December





King Bhumibol WSD award

Gives recognition to the most outstanding WSD celebration

2021 Winner: The Nigerian Institute of Soil Science (NISS)

Glinka prize

Awards a 'soil' champion each year since 2016

2021 Winner: Ms Lydie-Stella Koutika from The Republic of the Congo

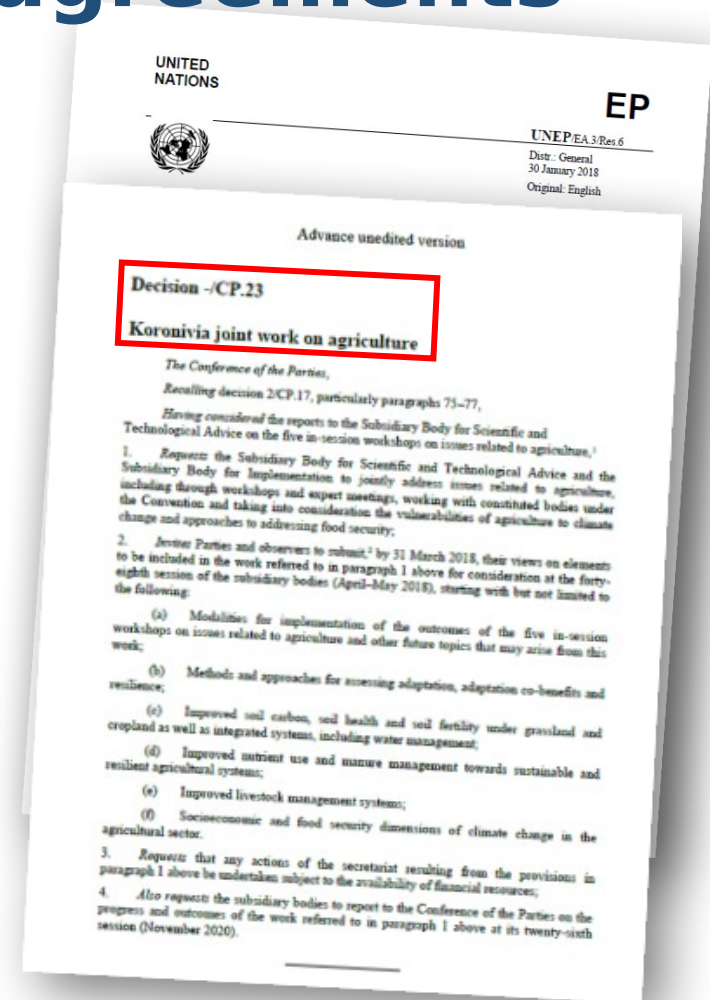


7th Asian S

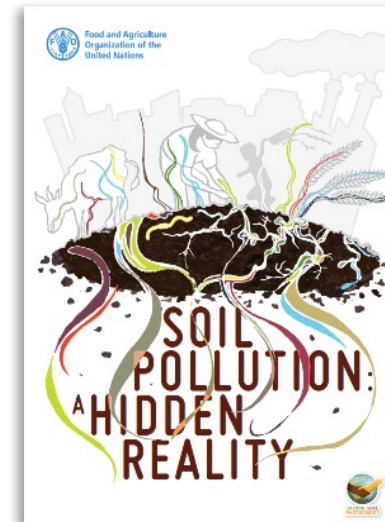
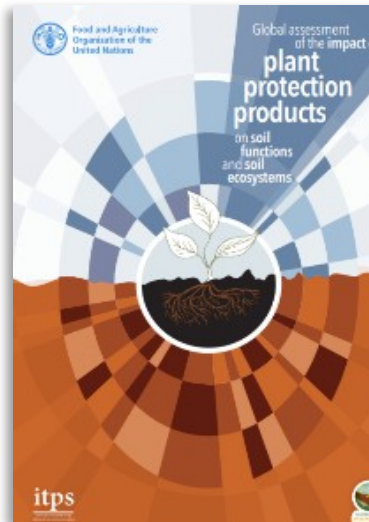
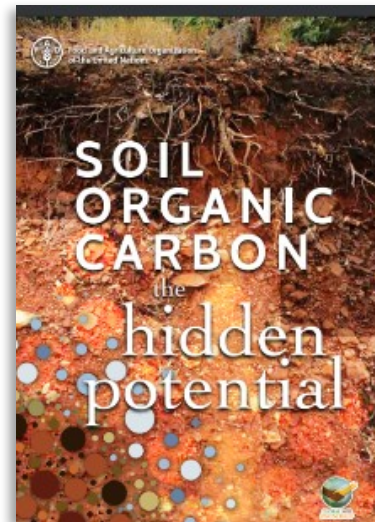
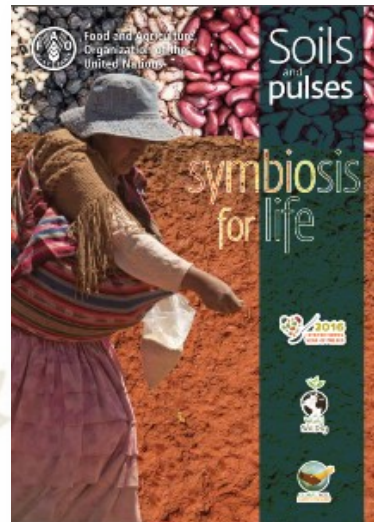
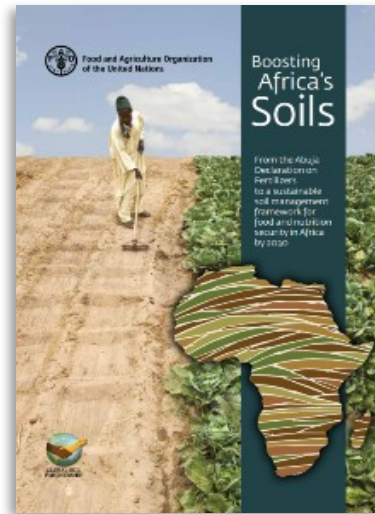
Advocacy for the inclusion of soil into the SDGs and other international agreements



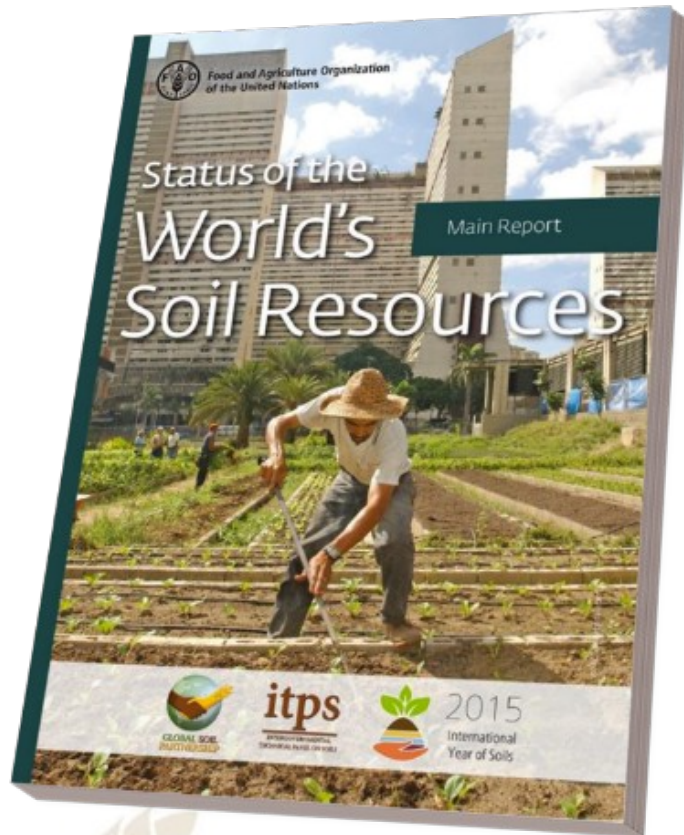
Of the 17 goals, four contains targets related to soils



Technical publication



Technical publication



- First **global assessment** of soil resources
- Ten **major threats** affecting **soil health** globally
- **33% of land is moderately to highly degraded** mainly because of erosion, salinization, compaction, acidification and pollution



Second version of the report to be released in 2025

Communication material

Posters, videos, flyers, etc.



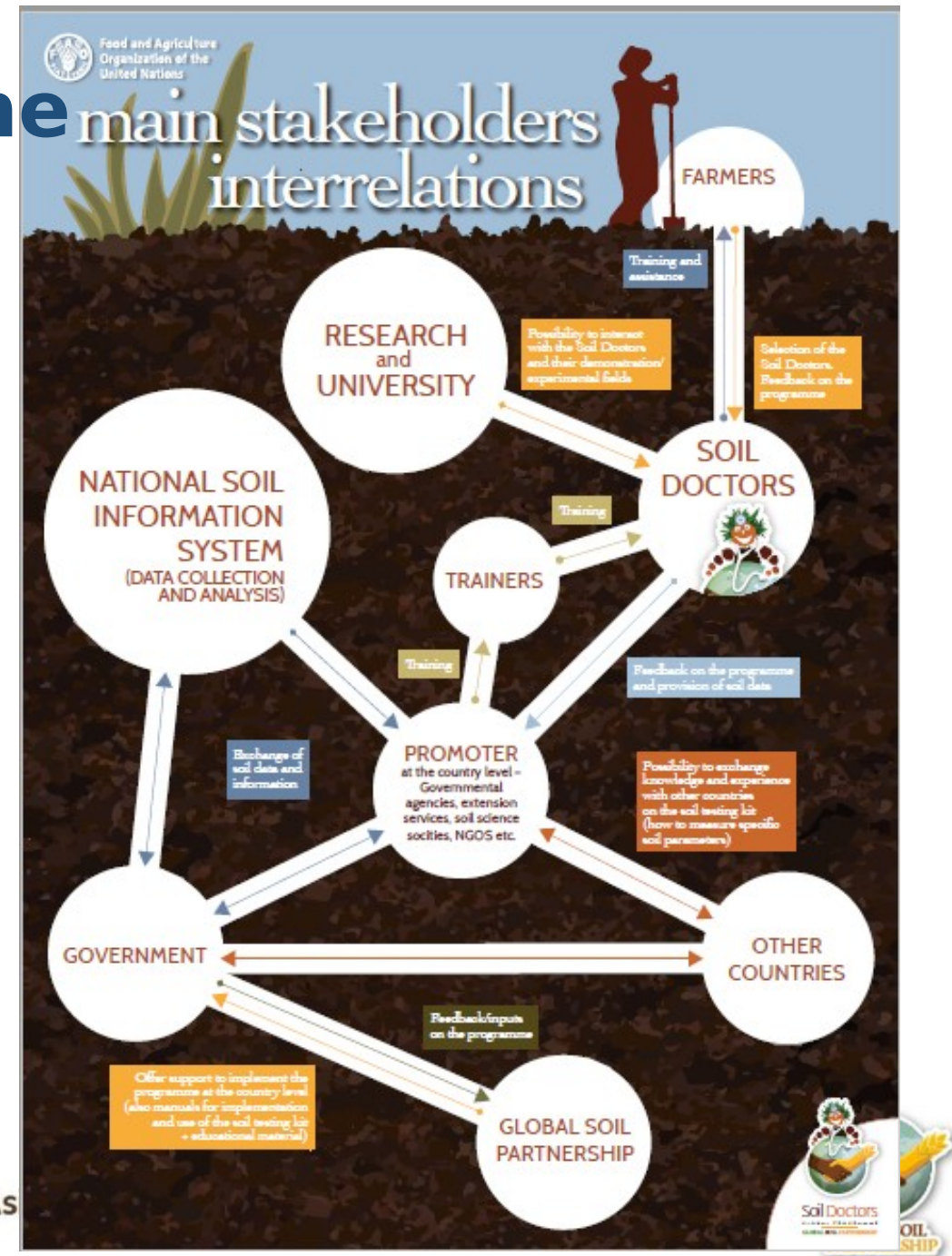
Global Soil Doctors Programme

The programme aims to educate farmers on soil science principles for **practices of sustainable soil management** by providing them with a set of **educational materials** and a **soil testing methods (STM) manual** for preliminary soil analysis.



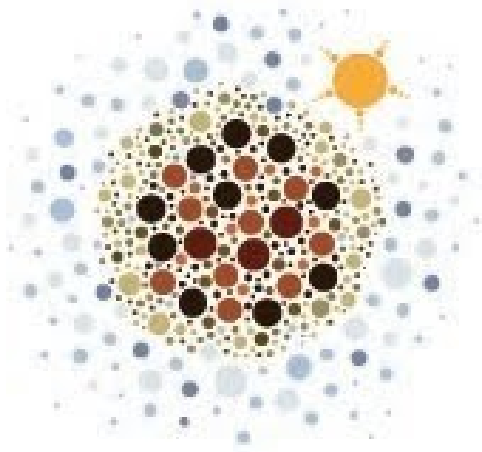
Soil Doctors
GLOBAL PROGRAMME
GLOBAL SOIL PARTNERSHIP

7thAs



GSP Global symposia

State-of-the-art information &
building multi-stakeholder network



Global Symposium
on Soil Organic
Carbon 2017



Global Symposium
on Soil Erosion
2019



Global symposium
on Soil Pollution
2018



Global Symposium
on Soil Biodiversity
2021

7th Asian Soil Partnership Meeting | 9-10 March 2022



Areas of work





Soil threats specific activities include:

- **Awareness raising**
- **Mapping**
- **Capacity building** on soil assessment and management.
Publication of **manuals and guidelines.**

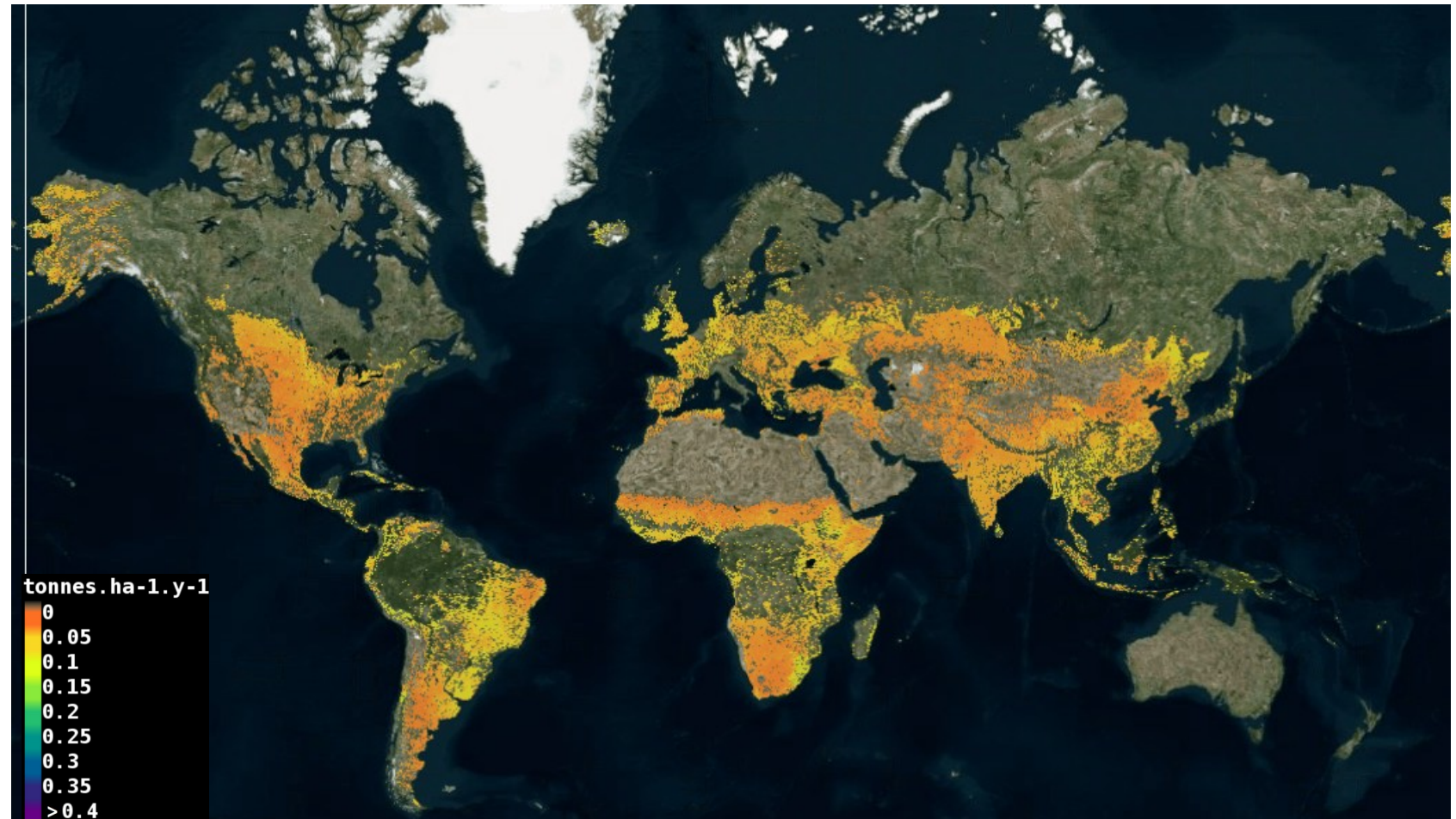


Global Soil Organic Carbon Sequestration map (GSOCseq map)

If managed sustainably - can sequester up to 0.56 petagrams of carbon --or 2.05 gigatonnes of CO₂ equivalent -- per year, having the potential to offset yearly as much as 34 percent of agricultural global greenhouse gas emissions.

GSOCseq V1.0.0

- SOC Sequestration Potential (tC/ha/yr) SSM 1-3 (vs BAU)
- 20-year period (2020-2040)
- Depth: 0-30 cm
- 1 x 1 km resolution
- Current Agricultural Lands (Croplands + grazing lands) under management

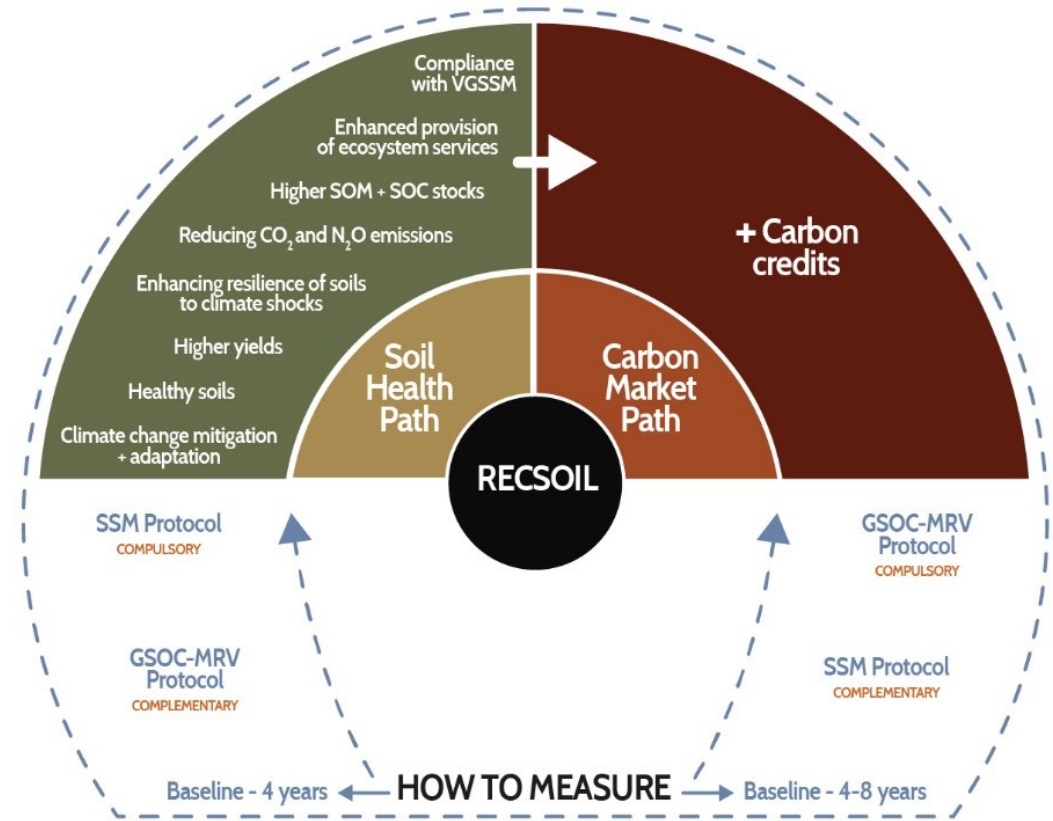


7th Asian Soil Partnership Meeting | 9-10 March 2022

RECISOIL



Adoption of good practices by farmers for maintaining and enhancing SOC stocks and reducing GHG, and boosting soil health and co-benefits (ecosystem services).





International Network of Soil Information Institutions (**INSII**)

These institutions have the technical ability to develop and share selected national soil information and data.

All institutions, whether sub-national or national, regional or global, can join the INSII network for collecting and distributing information on the status of the soil resource.

Overall, INSII the network responsible for producing **global maps** & the **Global Soil Information System**



International Network of Black Soils (**INBS**)

Aims to provide a platform for knowledge sharing for countries with black soils to discuss common issues related to the conservation and sustainable management of these soils and the need to foster technical exchange and cooperation.



International Network of Salt-affected Soils (**INSAS**)

Aims to facilitate the sustainable and productive use of salt-affected soils for the current and future generations.



INFA

International Network
on Fertilizers Analysis

International Network on Fertilizer Analysis (**INFA**)

Aims to build and strengthen the capacity of laboratories in fertilizer analysis and harmonize fertilizer quality standards.



Global Soil Laboratory Network (**GLOSOLAN**)

Aims to build and strengthen the capacity of laboratories in soil analysis and to respond to the need for harmonizing soil analytical data.

Areas of work

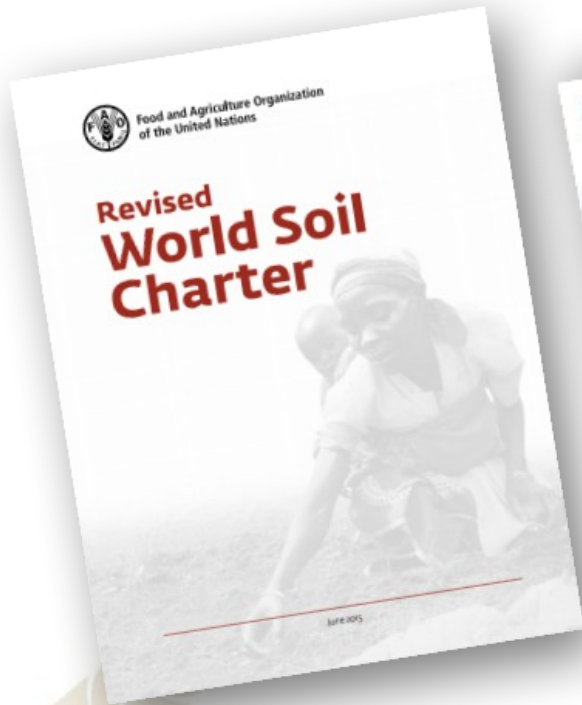
 AWARENESS	 BIODIVERSITY	 CAPACITY DEV	 DATA	 EROSION	 FERTILITY	 GOVERNANCE	 POLLUTION	 SALINITY	 SOC
Awareness Raising	Soil Biodiversity	Capacity Building	Soil Information	Soil Erosion	Soil Fertility	Soil Governance	Soil Pollution	Soil Salinity	Soil Organic Carbon



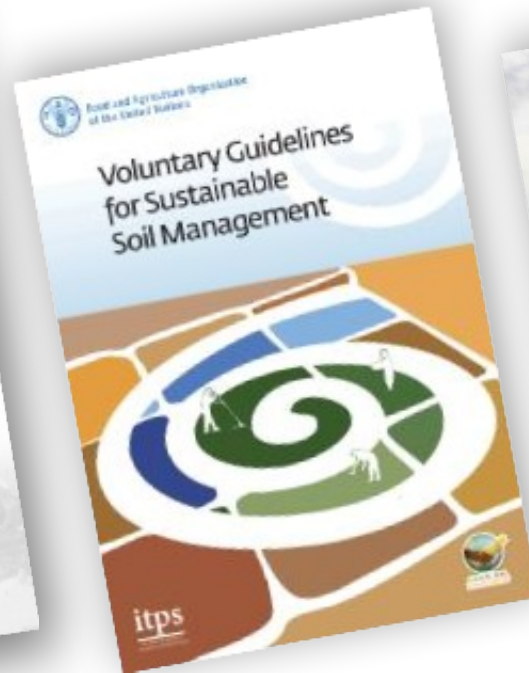
Normative tools

To address soil degradation & provide solutions through Sustainable soil management

2015



2017



2019



2020



SoiLEX

The GSP newest tool on soil governance

An online global database specifically on soil protection and soil degradation prevention legal instruments



SoiLEX - Soil related legal instruments and soil governance

SoiLEX is a global database that aims to facilitate access to information on existing legal instruments on soil protection and prevention of soil degradation. The platform was created in coordination with **FAOLEX**, which is to date one of the largest databases of legal frameworks and instruments related to natural resource management, food and agriculture.

The legal and policy instruments can be searched by country profiles or by soil-related keywords. The information provided by the database allows users to have the complete document as well as a detailed summary of its content, focusing mainly on the purpose and specific objectives of the instrument.

The platform is managed by the Global Soil Partnership within the FAO Land and Water Division. If you are interested in learning more about SoiLEX and would like to contribute to its development and maintenance, please **send us an e-mail** or respond to the SoiLEX questionnaire for your country [here](#).

Country/Territory

- select -

Submit

More search options



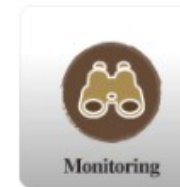
Conservation



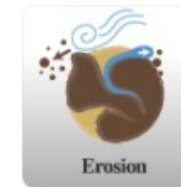
Restoration and remediation



Quality



Monitoring



Erosion



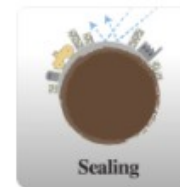
Organic carbon loss



Nutrient imbalance



Salinization and sodification



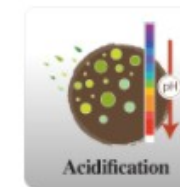
Sealing



Biodiversity loss



Pollution



Acidification



Compaction



Waterlogging

Thanks for your attention

For additional information, please contact
Lucrezia.caon@fao.org

