



Food and Agriculture  
Organization of the  
United Nations

8 - 10  
September  
2021

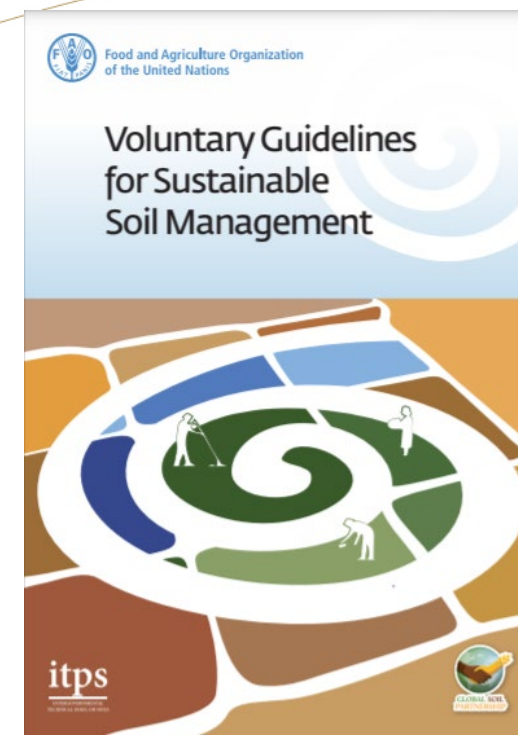
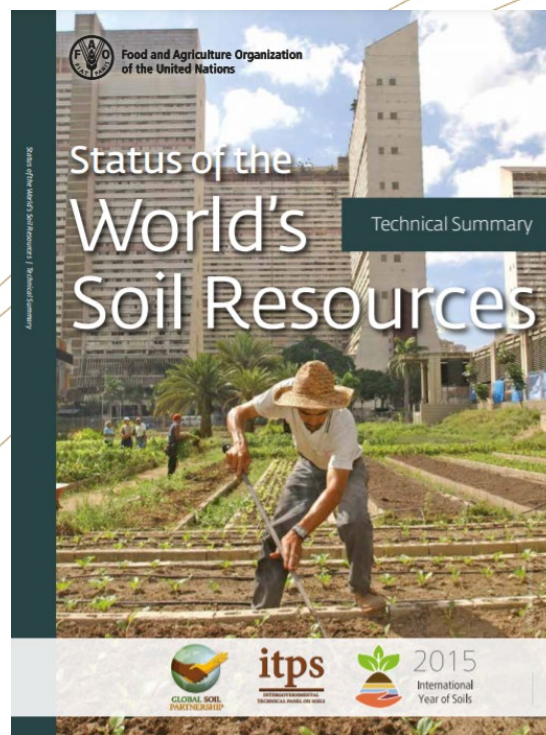
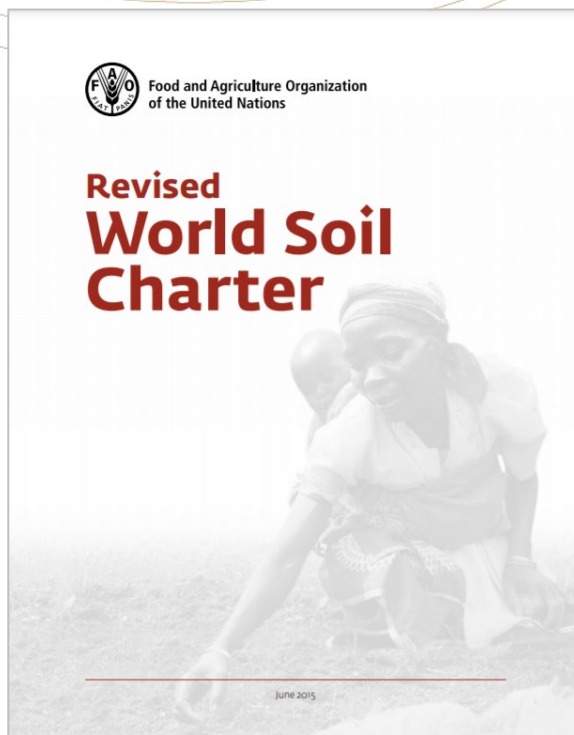
VIRTUAL  
MEETING

# REPORT ON NORMATIVE TOOLS AND ACTIONS ON SUSTAINABLE SOIL MANAGEMENT (GSPPPA:IX/2021/5)

## GLOBAL SOIL PARTNERSHIP 9<sup>th</sup> Plenary Assembly



# 5.1. Compliance of the Voluntary Guidelines for Sustainable Soil Management



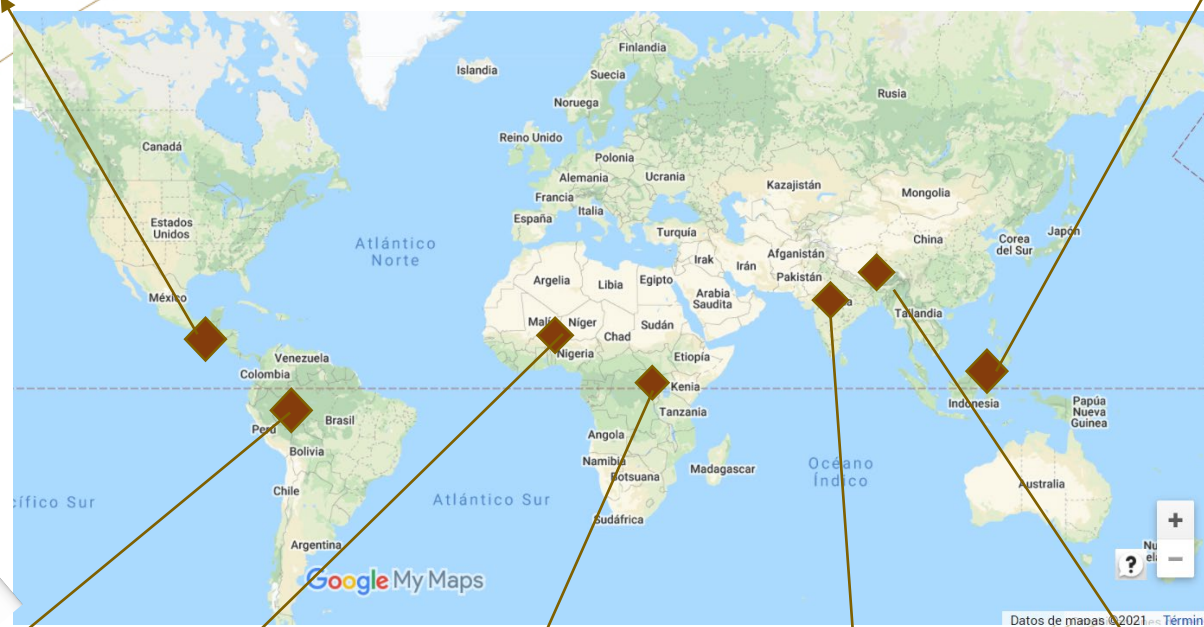
The VGSSM focus on the **provision of ecosystem services**

# 5.1. Compliance of the Voluntary Guidelines for Sustainable Soil Management

How the different stakeholders use the **VGSSM** around the world?

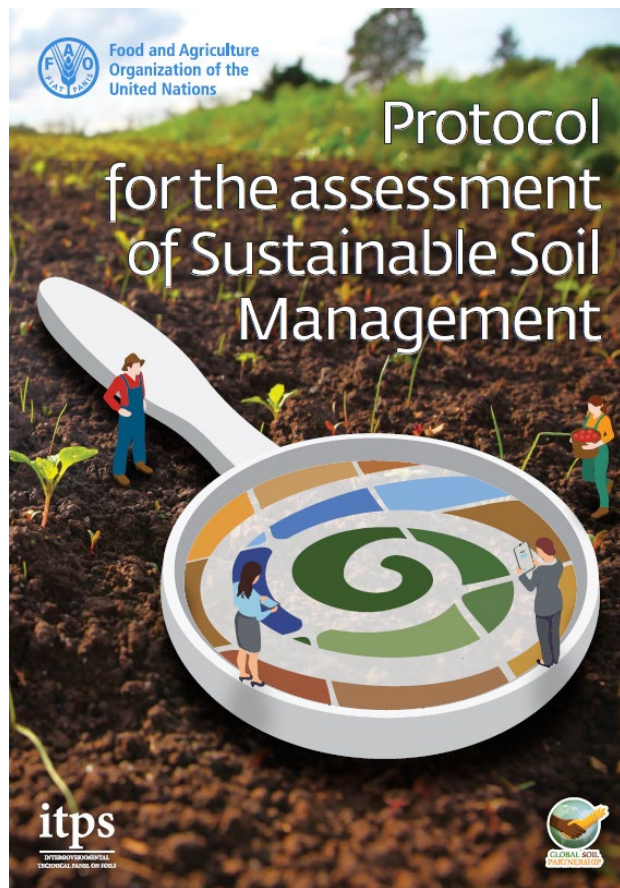


Participate in the upcoming survey on the adoption of the VGSSM



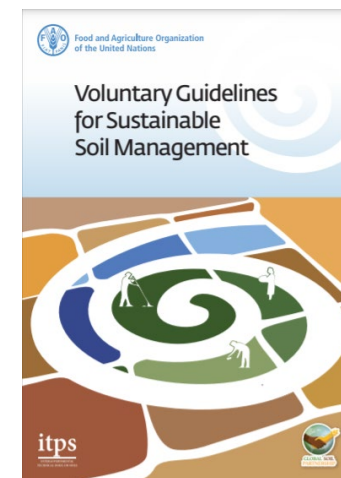
# 5.1. Compliance of the Voluntary Guidelines for Sustainable Soil Management

Measurement of the SSM indicators, for the assessment of Sustainable Soil Management and VGSSM compliance



## Recommended set of indicators

1. Soil productivity (ton /Ha / year)
2. Soil organic carbon (%)
3. Soil physical properties (soil bulk density)
4. Soil biological activity (respiration rate) associated with a biodiversity indicator



Implement the SSM indicators and promote the VGSSM compliance in the field

# 5.1. Compliance of the Voluntary Guidelines for Sustainable Soil Management

If a country or if a farmer decides to adopt and implement the VGSSM, could we value/recognize this effort?

Can we establish a rewarding system (establishing a label)?



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# 5.2. International Code of Conduct for the Sustainable Use and Management of Fertilizers

## Implementation projects and activities



The Government of Germany supports the “Soils for Nutrition” project, specific on the **importance of soil micronutrients**



The Government of China supports sustainable **soil fertility management** in Uganda and Rwanda



# INFA

International Network  
on Fertilizers Analysis

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## 5.2. International Code of Conduct for the Sustainable Use and Management of Fertilizers

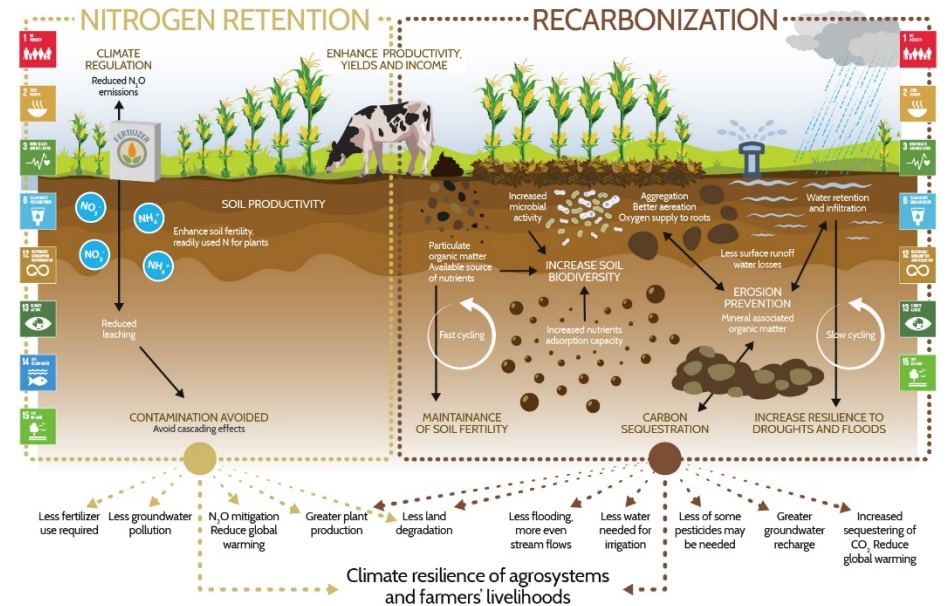
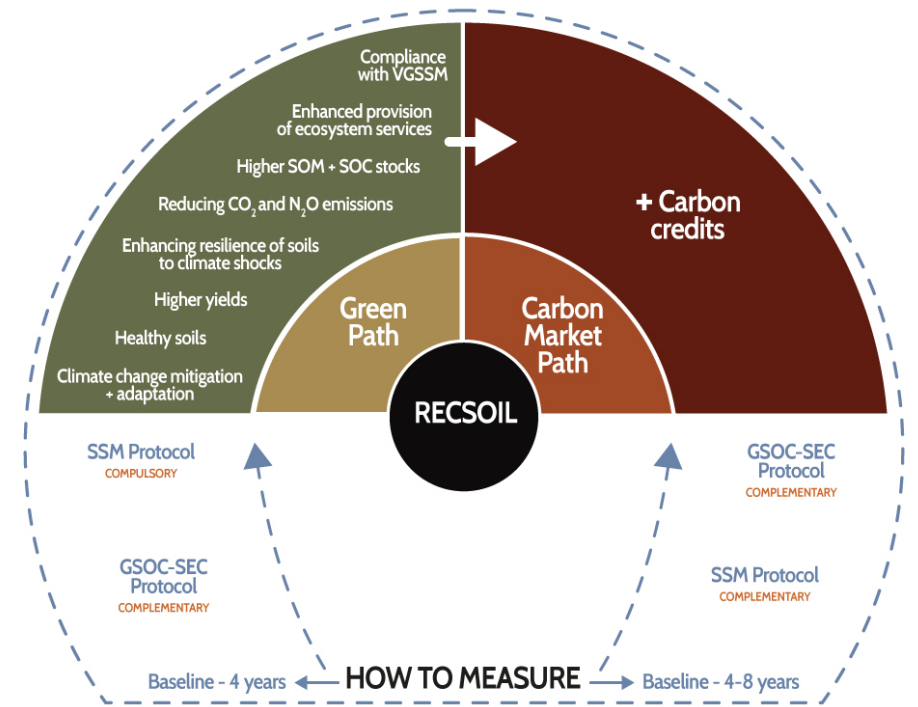
**Disseminate the video and participate in the Survey** for the definition of priority areas, gaps and main obstacles for The Fertilizer Code implementation



New implementation activities:

- Trainings for the Edusoils platform,
- Video interviews,
- Micronutrients Encyclopedia,
- Global maps of nutrients
- Nitrogen Webinar
- ...

# 5.3. RECSOIL: recarbonization of global soils





## Benefits for the farmer

- Higher yields
- Higher income
- Less use of agro-chemicals
- More nutritious and safer crops
- More healthy and fertile soils and resilient farms

## Benefits for the ecosystem, climate and agrifood system

- Enhanced soil health
- Enhanced water retention
- Enhanced soil and ecosystem biodiversity
- Increased soil organic carbon stocks
- Less Greenhouse gases emissions
- Soil degradation and erosion reduced
- Less soil, air and water pollution
- Increased environmental resilience to droughts and floods
- Natural soil fertility enhanced

## Benefits for the Investor

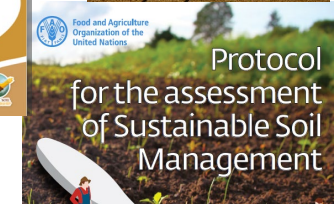
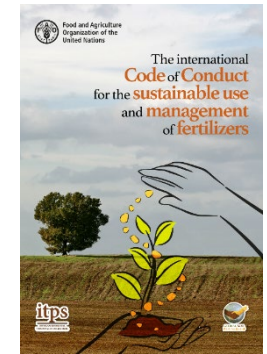
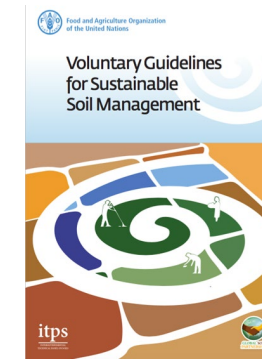
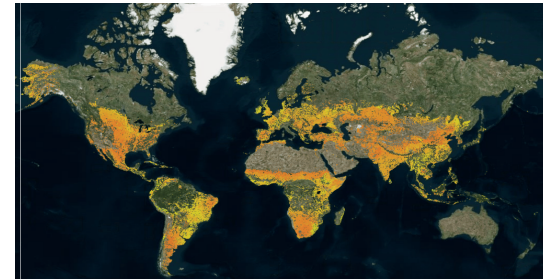
- Contributing to decarbonizing the economy
- Contributing to offset emissions
- Complying with environmental and social responsibility
- Contributing to achieving the Sustainable Development Goals
- Investing towards healthy soils and supporting farmers

**Benefits of RECSOIL and healthy soils**

# Implementing RECISOIL

- We need know what is possible to sequester, where? How? How to measure?
- **We built together all the tools!**
- Now, we are ready for implementation!!!!
- SOC sequestration as vehicle for boosting soil health and enhancing the provision of ecosystem services, and supporting farmers!!!.
- Funds are available from donors for moving into implementation following the Green Path (focus on regions with high potential and **smallholders/family farmers -agents of change**)!!!!
- An **open call** will be launched in Semester II-2021!!!

Soil Organic Carbon  
Sequestration Potential Map



**But we need more!!! Financial support is required to scale it up!!!!**

# 5.4 Soil Doctors

**Technical & scientific information: 25 Posters**

**Practical exercises:  
field experiments, soil kits**



**What is soil?**

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

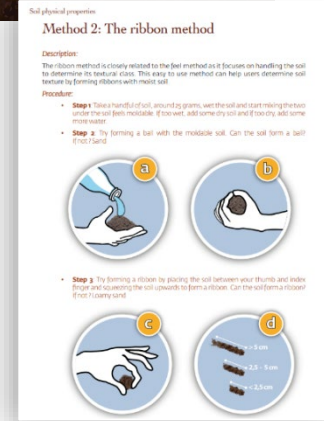
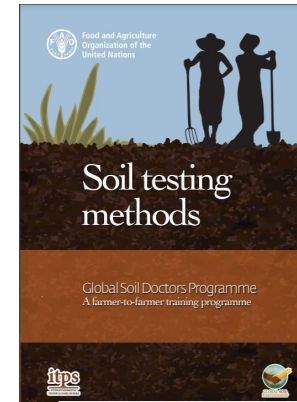
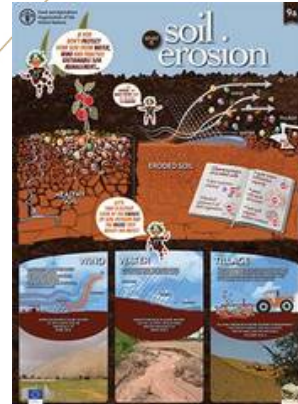
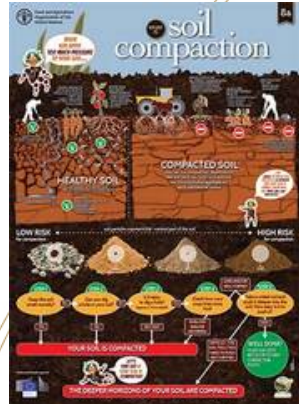
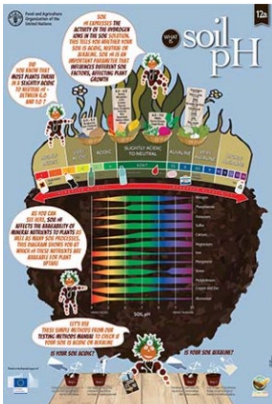
**Download PDF:** High res

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

**Other languages**

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

**Educational materials**



**Support needed for translations and local implementation financemement**



## 5.4. Soil Doctors

**Collaboration** for a Farmer-to-farmer training programme, building the capacity of farmers on **sustainable soil management**

### GSP

Provides certified training of trainers

Provides posters and scientific support

Support the Soil Doctors trainings

Provides educational soil kits

### PROMOTER

Support the trainers training

Adapt the educational material to the local context

Provide feedback on the educational materials

Provides Soil Doctors trainings in the field

Encourage the **extension organizations to participate**



711 participants from 139 countries





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