



Food and Agriculture  
Organization of the  
United Nations

# International Network of Salt-Affected Soils (INSAS)

## The Global Soil Partnership: Boosting the practice of Sustainable Soil Management

*Natalia Rodríguez Eugenio, GSP Secretariat*



# Global Soil Partnership

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



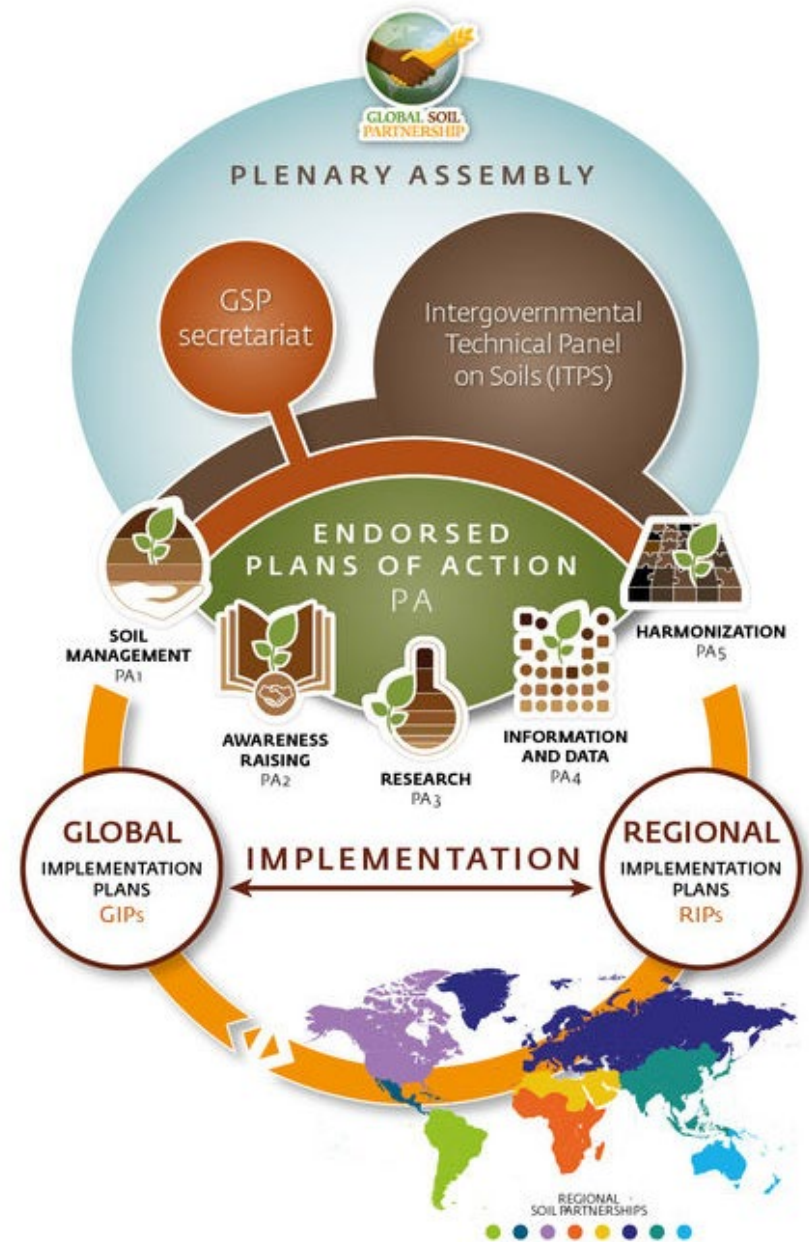
<http://www.fao.org/global-soil-partnership/en/>

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

# GLOBAL SOIL PARTNERSHIP



## 5 Pillars of action crosscutting to all soil threats



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

# Five technical networks

## Intergovernmental Technical Panel on Soil – **ITPS**

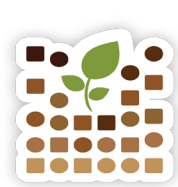


## International Network of Soil Information Institutions - **INSII**



## International Network of Salt-Affected Soils (INSAS)





# International Network of Soil Information Institutions

Enhance the **quality and availability of soil data and information at national, regional and global level.**



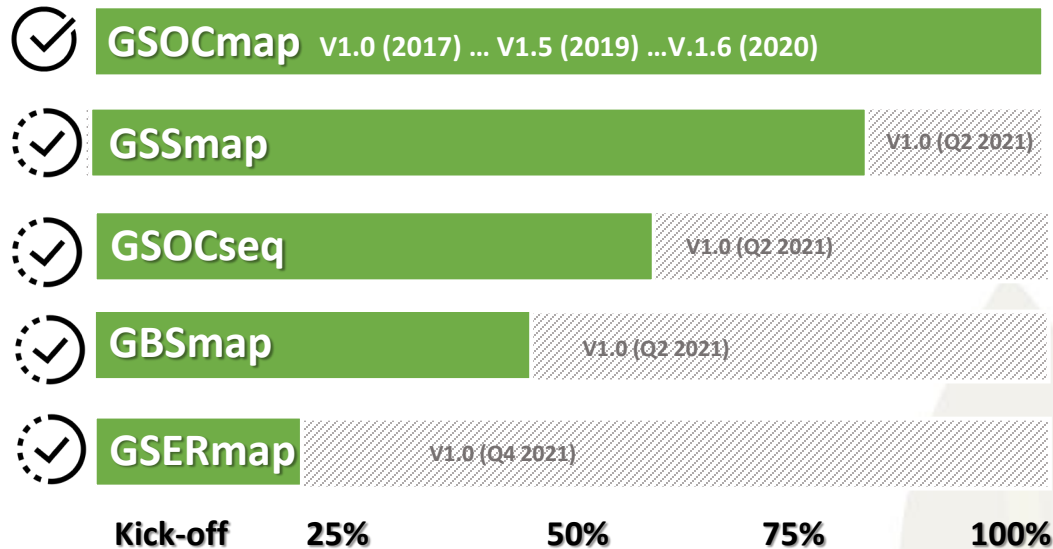
## Global Soil Information System - GloSIS

DECENTRALISED / FEDERATED / NATIONAL  
OWNERSHIP / LIGHTWEIGHT & AFFORDABLE  
/ OPEN SOURCE / COUNTRY DRIVEN

Contribute to more **consistent**  
and **accurate** global soil data  
products to be used in  
SDG-related reporting  
(informing national policy  
development)

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

# GloSIS Country Driven Global Datasets



*All GloSIS Data Products are;*  
country-driven, continuous,  
participatory, progressive  
and iterative, multi-stakeholder  
oriented, and based on and  
guided by the best available  
science, rigorous collection and  
analysis of appropriate data, and  
consideration of experiences  
and good practices within, and  
outside, countries.

***Pillar 4 Capacity Development has reached  
more than 1000 Experts from more than  
130 Countries***

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

# Five technical networks

Intergovernmental Technical Panel on Soil - **ITPS**

International Network of Soil  
Information Institutions - **INSII**



Global Soil Laboratory Network - **GLOSOLAN**



promoting sustainable soil management for all



# Global Soil Laboratory Network

Established in 2017 to **build and strengthen the capacity of laboratories in soil analysis** and to respond to the need for harmonizing soil analytical data.

- Almost 700 laboratories registered
- 6 Regional Soil Laboratory Networks established
- Establishment of National Soil Laboratory Networks ongoing

## Main areas of work:

1. Standard Operating Procedures (5 SOPs in 2019, 10 SOPs in 2020, +13 SOPs to be harmonized in 2021)
2. Quality Assurance/Quality Control (2 regional proficiency tests in 2018, 1 global proficiency test in 2019)
3. Capacity building: Training & Equipment (equipment to 18 labs)
4. Promotion of new technologies: soil spectroscopy

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



# Five technical networks

Intergovernmental Technical Panel on Soil - **ITPS**

International Network of Soil  
Information Institutions - **INSII**



Soil Laboratory Network - **GLOSOLAN**

International Network of Black Soils - **INBS**



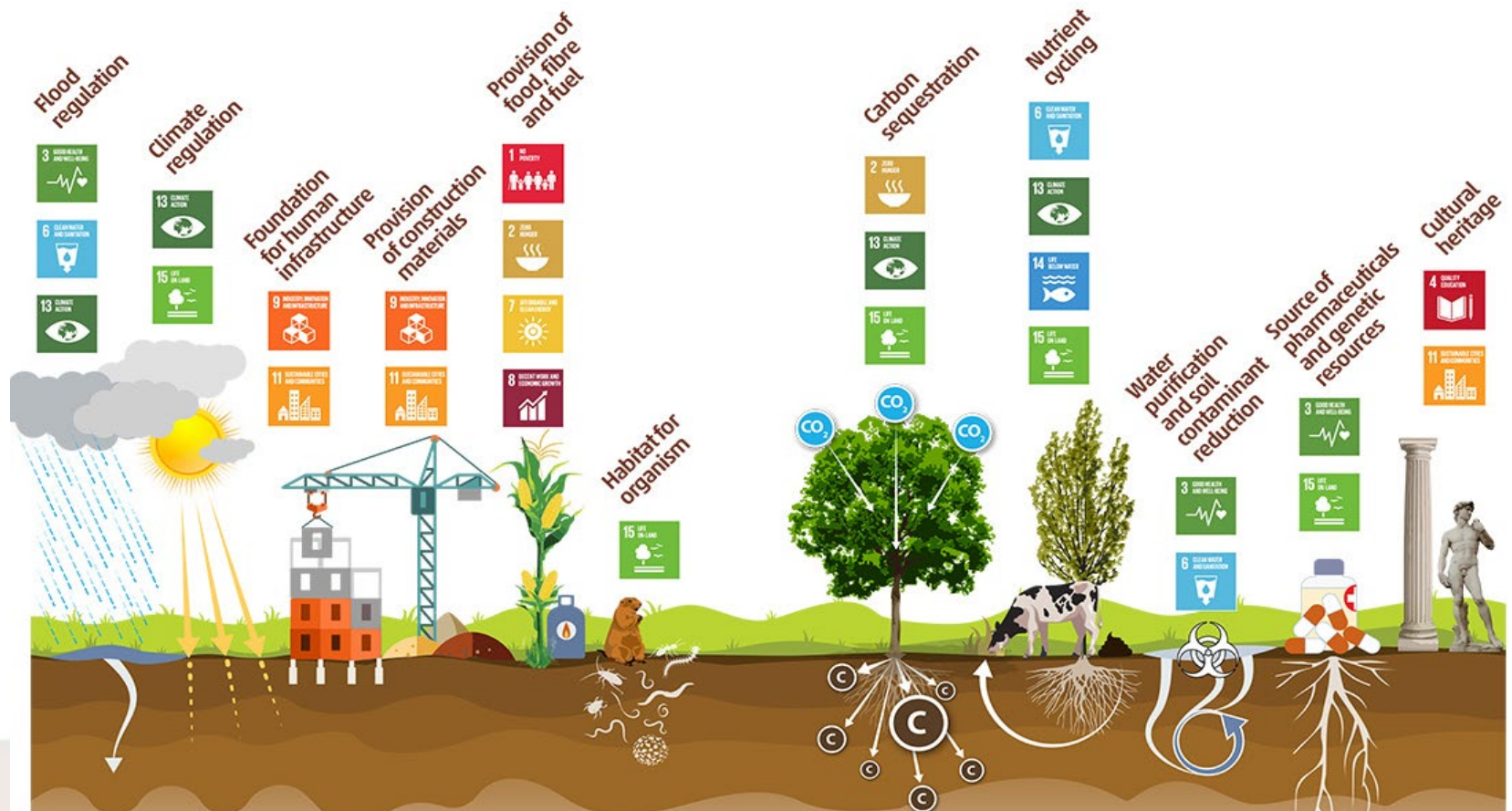
International Network of Salt-Affected Soils -  
**INSAS**



promoting sustainable soil management for all



# Sustainable soil management provides ecosystem services, contributing to achieve the SDGs

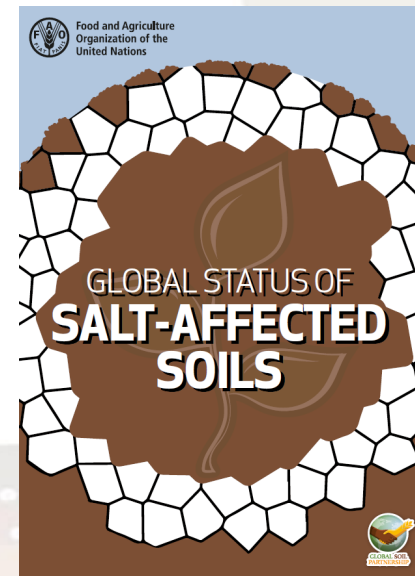
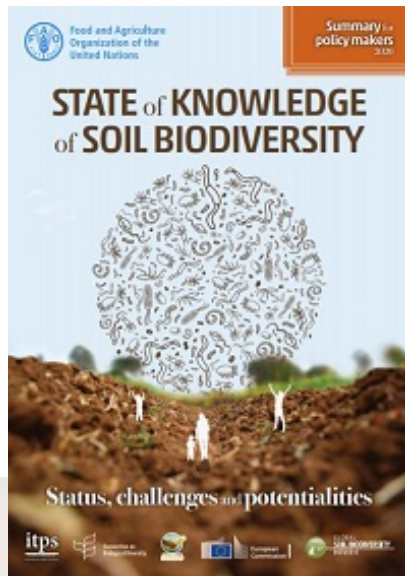
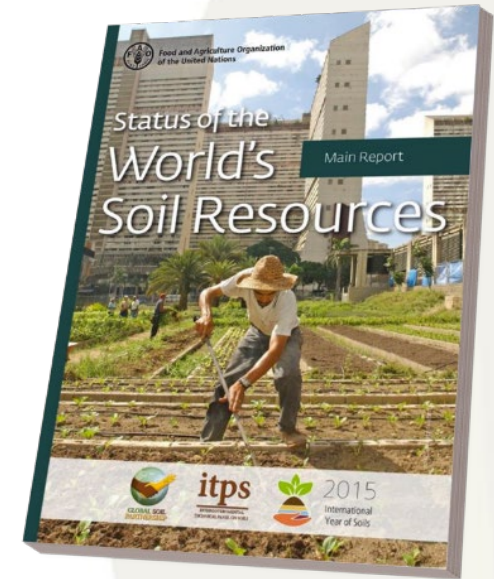


**International Network of Salt-Affected Soils (INSAS)**



# Technical publications

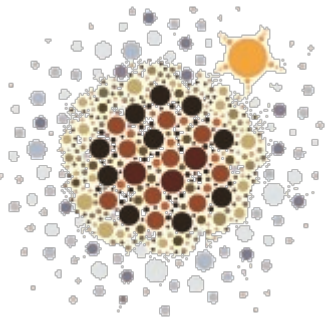
- First **global assessment** of soil resources
- Ten **major threats** affecting **soil health** globally
- 2<sup>nd</sup> edition in 2025



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

# 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  
(April 19-22, 2021)



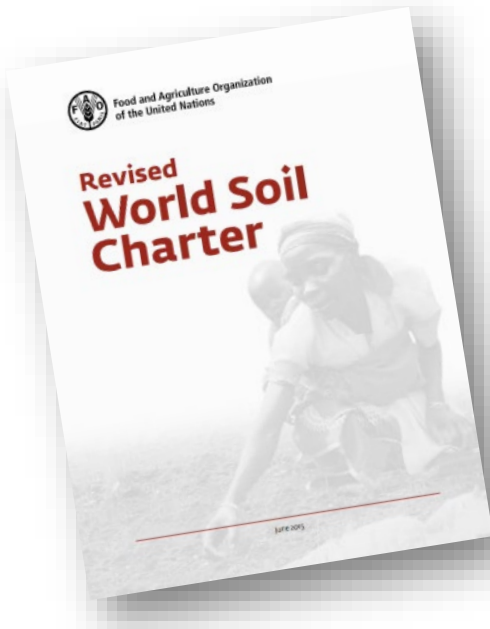
Global Symposium on Salt- Affected Soils  
(October 27-29, 2021)

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

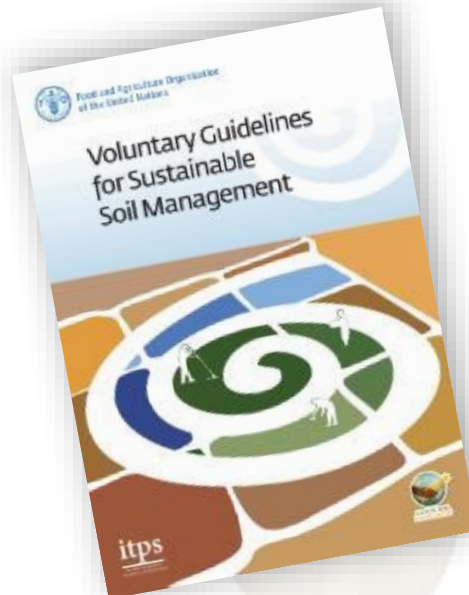


# Soil governance

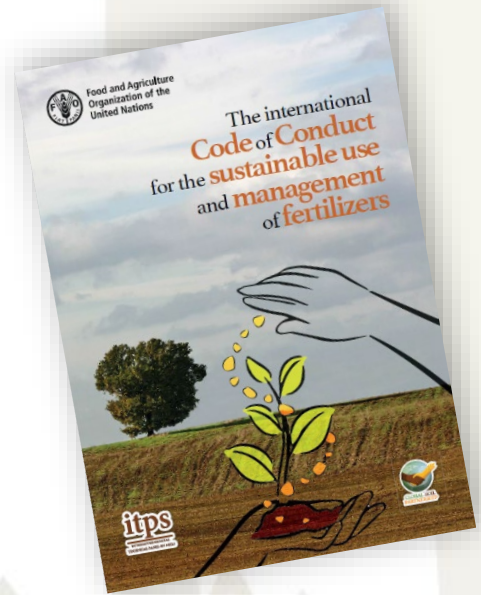
to address soil degradation & provide solutions  
through Sustainable soil management



2015



2017

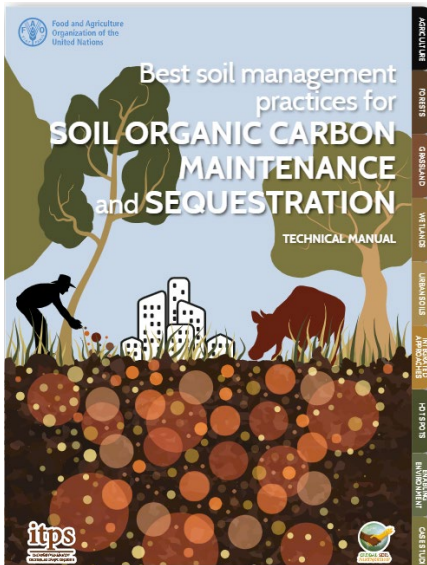


2019

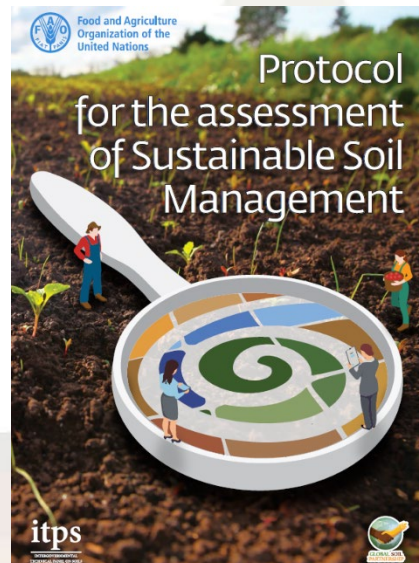
International Network of Salt-Affected Soils (INSAS)

# Sustainable Soil Management

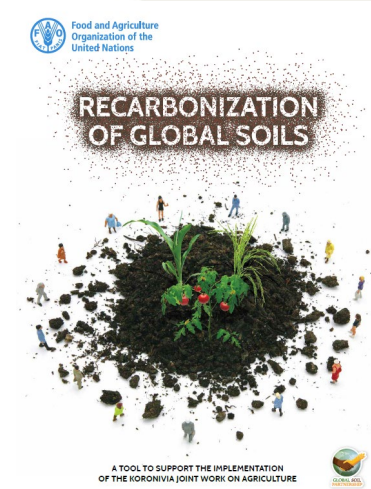
## Implementation



## Measurement



## Dissemination



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

# Raising awareness on soils at global level

- **WORLD SOIL DAY** (5 December) - +780 events in 105 countries
- **SOIL PRIZES:** Glinka World Soil Prize WSD award (every year)
- **SUPPORT TO MEETINGS, TRAININGS, REGIONAL WORKSHOPS AND INTERNATIONAL CONFERENCES:** speeches, ppt, logistics, photogallery...
- **WEBSITES AND PORTALS** (GSP + soils portal + WSD website + IYS)
- **COMMUNICATION TOOLKITS:** video, animations
- **NEWSLETTERS AND SPECIAL ANNOUNCEMENTS**
- **SOCIAL MEDIA** (Facebook, twitter, LinkedIn, etc)



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



Food and Agriculture  
Organization of the  
United Nations

Thank you for  
your attention

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