



Food and Agriculture  
Organization of the  
United Nations

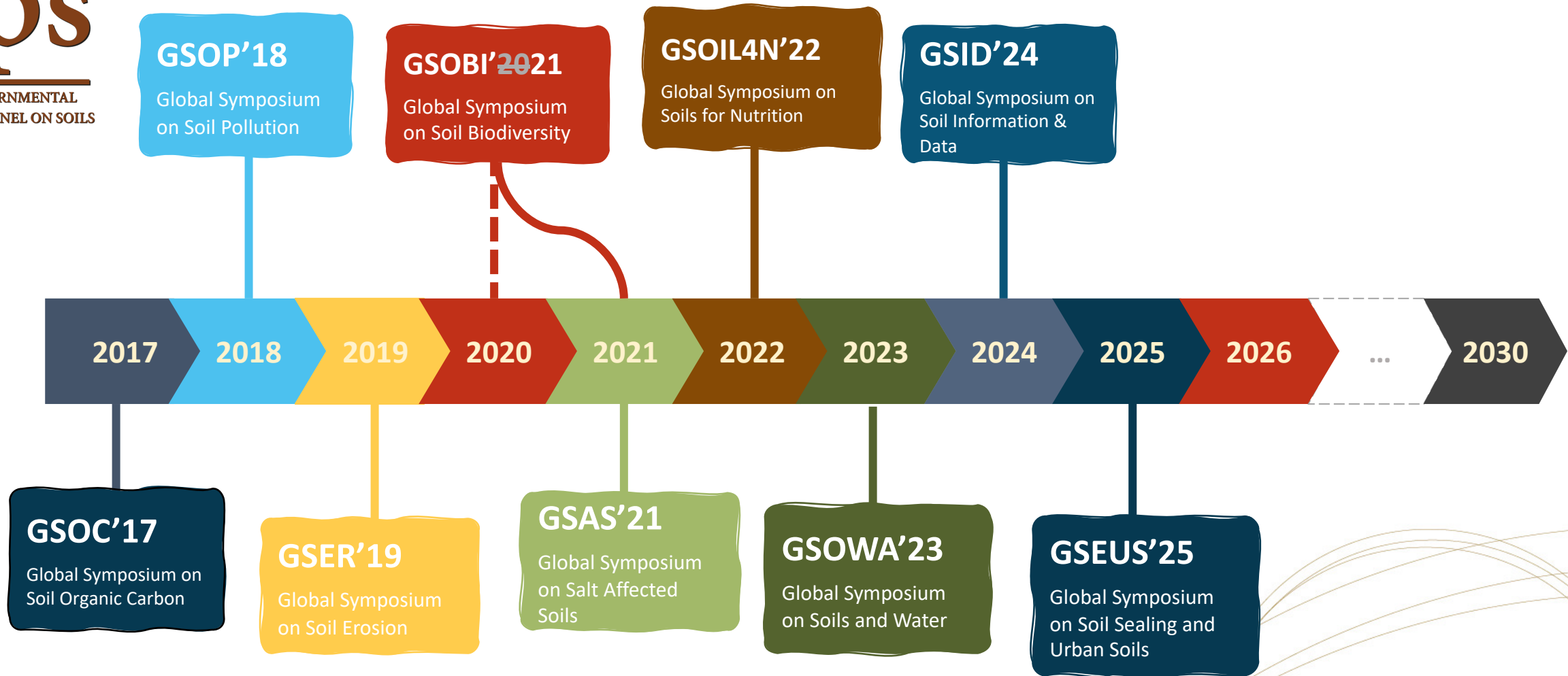
# Status on the organization of global symposia GSPPA: XI/2023/7

*Natalia Rodriguez Eugenio  
GSP Secretariat*

## GLOBAL SOIL PARTNERSHIP

11<sup>th</sup> Plenary Assembly  
12-14 July 2023





**GLOBAL SOIL PARTNERSHIP** | 11<sup>th</sup> Plenary Assembly | 12-14 July 2023

# Status on the organization of Global Symposia

- ❖ Report on the Global Symposium on Soils for Nutrition 2022
- ❖ Preparations for the Global Symposium on Soils and Water 2023
- ❖ Preparations for the Global Symposium on Soil Information and Data 2024
- ❖ Preparations for the Global Symposium on Soil Sealing and Urban Soils 2025
- ❖ Future symposia





# Global Symposium on Soils for Nutrition (GSOIL4N22)

26-29 July 2022  
Virtual



## Participants

Over 9 500 from 180 countries



## Multisectoral

Academia, industry, farmer's associations, IGOs, NGOs, global initiatives



## High quality content

80 presentations, 20 hours presentations and discussions, 69 scientific posters (120 000 unique votes)



## Keynote speakers

Nine distinguished guests and 21 renowned keynote speakers. Eight hours of plenary sessions



## SOIL4N in the public eye

Videos, cards, post social media, photo contest

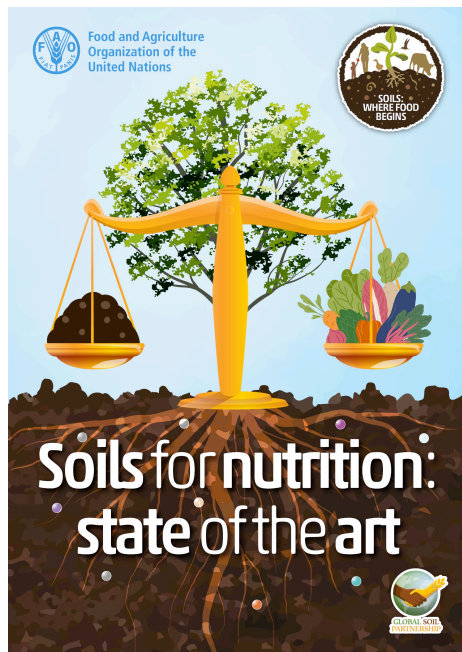
**GLOBAL SOIL PARTNERSHIP** | 11<sup>th</sup> Plenary Assembly | 12-14 July 2023



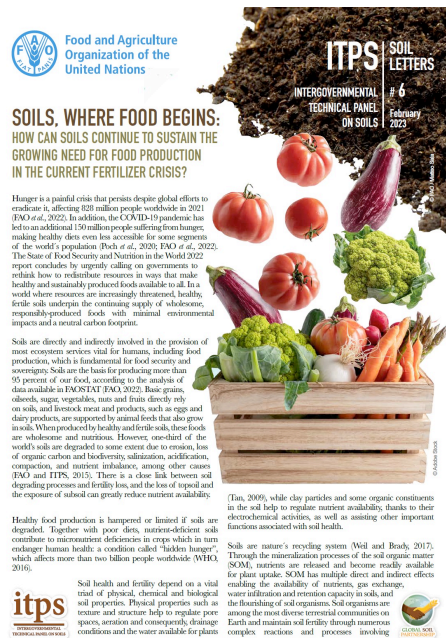
# Soils 4 nutrition enhanced

The vision of soils as a source of nutrients we all need to survive was enhanced and supported by...

Booklet



ITPS Letter



Outcome Document



Proceedings



GLOBAL SOIL PARTNERSHIP | 11<sup>th</sup> Plenary Assembly | 12-14 July 2023



# GSOIL4N way forward: recommendations

1

Map and monitor soil nutrients and soil fertility and deepen the knowledge about the soil nutrient budget

2

Develop **innovative approaches** and alternative products to optimize soil nutrient content, **enhance fertilizer use efficiency**, and reduce externalities associated with soil fertility management

3

Assess the **quality and safety of all nutrient sources** applied to soils to avoid or reduce environmental contamination and health problems

4

Advocate for **the adoption of SSM practices** since it still represents the most cost-effective solution to increase soil nutrient content

5

Consider **driving forces** such as water availability, climate change, poverty and the fertilizer crisis and promote a “soils for nutrition” agenda

6

Advocate for the inclusion of soil fertility and soil health in **the legal framework** of countries in relation to the One health approach, linking human nutrition, environmental health, and soil health.



# Continuous awareness raising and search for solutions



Innovative solutions on fertilizer use efficiency, alternative nutrient sources and practices to address nutrient imbalance



WSD, social media, visuals



To address nutrient imbalances and promote the adoption of the SOIL4N concept to achieve healthy and fertile soils by 2030

# Global Symposium on Soil and Water (GSOWA23)

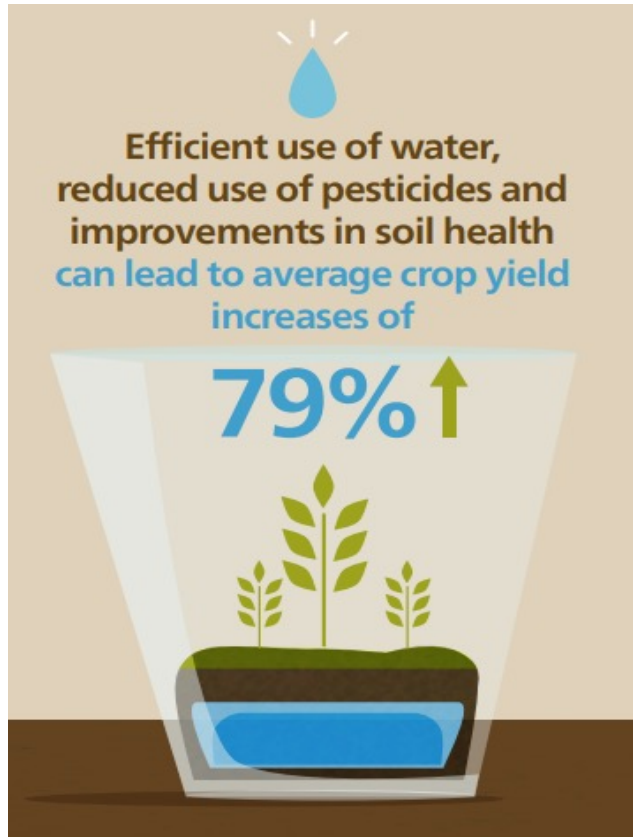
02-05 October 2023  
Hybrid

## Aims to:

review the state of the art on the relationship between soil health and water resources in achieving sustainable and resilient agrifood systems through the one health approach. The symposium also aims to identify knowledge gaps and solutions for integrated management of soil and water resources in a changing environment.

## It is expected to:

Identify gaps, challenges, solutions and innovations for integrated soil and water resources management in a changing environment and propose tools and frameworks to guide integrated soil and water management and governance. An agenda for action on integrated soil and water resources management should emerge from this.





# GSOWA23 - Themes

## 1 Soil and water management in dryland agriculture

- Green water use efficiency for agriculture
- Innovations in sustainable soil and water management and green water efficiency
- Impact of climate change and water management on soil characteristics

## 2 Soil and water management in irrigated agriculture

- Role of soil and water quality in relation to soil biodiversity and agriculture
- Role of soil in the protection of quality ground and surface waters
- Water pollution and its effect on the soil resource

## 3 Soil and water management under the One Health framework

- Impact of irrigation and water management on soil degradation processes
- Improvement of soil health and crop production through irrigation
- Sustainable use of marginal waters and soil health

## 4 Integrated soil and water management and effective governance

- Policies to improve soil and water resources management
- Drinking water industry and its effect on soil resources
- Soil and water management practices affecting nutrient cycling
- Gender-sensitive tools and methods in watershed management

# GSOWA23 - Format

The Symposium will be held in person and virtually over four days on October 2 - 5, 2023, with an expected participation of representatives from countries around the world.



**Opening  
session  
High-level  
speakers**

Speakers from co-organizing institutions



**Keynote  
speakers**

Leading experts for setting the scene and provide regional perspectives



**Parallel  
sessions and  
posters**

Participants to address the four themes



**Dialogues and  
discussion  
panels**

Multisectorial to address the four themes and complement the scientific insight

It will be held in parallel to the Rome Water Dialogue 2023

**GLOBAL SOIL PARTNERSHIP | 11<sup>th</sup> Plenary Assembly | 12-14 July 2023**



# Global Symposium on Soil Information & Data (GSID24)

## 1 Advances in Soil Data Collection, Analysis, and Data Quality

Optimizing soil sampling design and monitoring strategies, laboratory techniques and SOPs, digital soil mapping and artificial intelligence and machine learning in soil science

## 2 Data Ownership, Sharing, and Collaboration in Soil Science

Soil information and decision support systems, soil data standards and harmonization, large datasets

## 3 Challenges and Opportunities in Soil Data Standardization and Interoperability

Ethical considerations and data ownership, open data and collaborative platforms, capacity building for effective data sharing and collaboration, institutional memory

## 4 Soil Data for Sustainable Policy and Decision-making

Role of soil data in achieving SDGs, climate change adaptation and mitigation, soil data for improved sustainable soil management and food security, stakeholder engagement and community building



# GSID24 - Format

The Symposium would be held in person and virtually over four days on May 2024, with an expected participation of representatives from countries around the world.

- High-level opening
- Keynote speakers
- Parallel technical sessions
- Panel Discussions (*e.g., Open Data for Public Good*)
- Mapathon (*e.g., mapping competition*)
- Expert Roundtables or "Ask Me" Sessions

*Consider IUSS centennial  
(19-21 May 2024) when  
selecting dates*



# Topics for upcoming symposia, as proposed by ITPS

- Global Symposium on Soil Sealing and Urban Soils in 2025;
- Global Symposium on Soil Compaction and Physical Degradation in 2026;
- Global Symposium on Soil Acidification in 2027;

All ten soil threats will be addressed... What's next?

# Actions for the Plenary Assembly

- ✓ Encourage countries and other partners to join efforts of the ITPS, the Secretariat and co-organizers to implement the actions indicated in the outcome documents of all symposia;
- ✓ Encourage resource partners to financially support the organization of these symposia;
- ✓ Confirm the themes for 2023 and 2024;
- ✓ Consider ITPS's proposal for 2025, 2026 and 2027;
- ✓ Decide on the future of the global symposia.

