

GSID'2024

Global Symposium on Soil Information & Data

7th Meeting of the
**Global Soil
Laboratory
Network**
(GLOSOLAN)

Yusuf Yigini – GSP Secretariat



GLOSOLAN
GLOBAL SOIL LABORATORY NETWORK





GSP PLENARY ASSEMBLY

Eleventh Session

Hybrid (Rome and virtual), 12-14 July 2023

Provisional Agenda

Opening of the session by Dr QU Dongyu, Director General FAO
Launch of the “International Network on Soil Fertility and Fertilizers”
Marketplace and a Partners Day (call for side events)

1. Adoption of the agenda: *for decision* (GSPPA:XI/2023/1)
2. Status on the Implementation of the GSP Action Framework: *for decision* (GSPPA:XI/2023/2)
3. Implications of the establishment of a Sub-committee on soils under COAG and maintaining the GSP in its current structure: *for decision* (GSPPA:XI/2023/3)
4. Work of the Intergovernmental Technical Panel of Soils (ITPS): *for information and decision* (GSPPA:XI/2023/4)
 - 4.1. Report by the chairperson on main activities and outcomes of the work programme 2022-2023
 - 4.2. ITPS work programme 2023-2024
 - 4.3. Preparation of the Second edition of the Status of the World's Soil Resources

5. Report on the financial status of the GSP: *for information* (GSPPA:X/2023/5)

6. Report on normative tools and actions on sustainable soil management: *for information and decision* (GSPPA:XI/2023/6)

- 6.1. Compliance of the Voluntary Guidelines for Sustainable Soil Management including the SSM Protocol and the Soil Health Index
- 6.2. Response to the Fertilizer Crisis via the International Code of Conduct for the Sustainable Use and Management of Fertilizers
- 6.3. RECSOIL: recarbonization of global soils
- 6.4. Soil Doctors

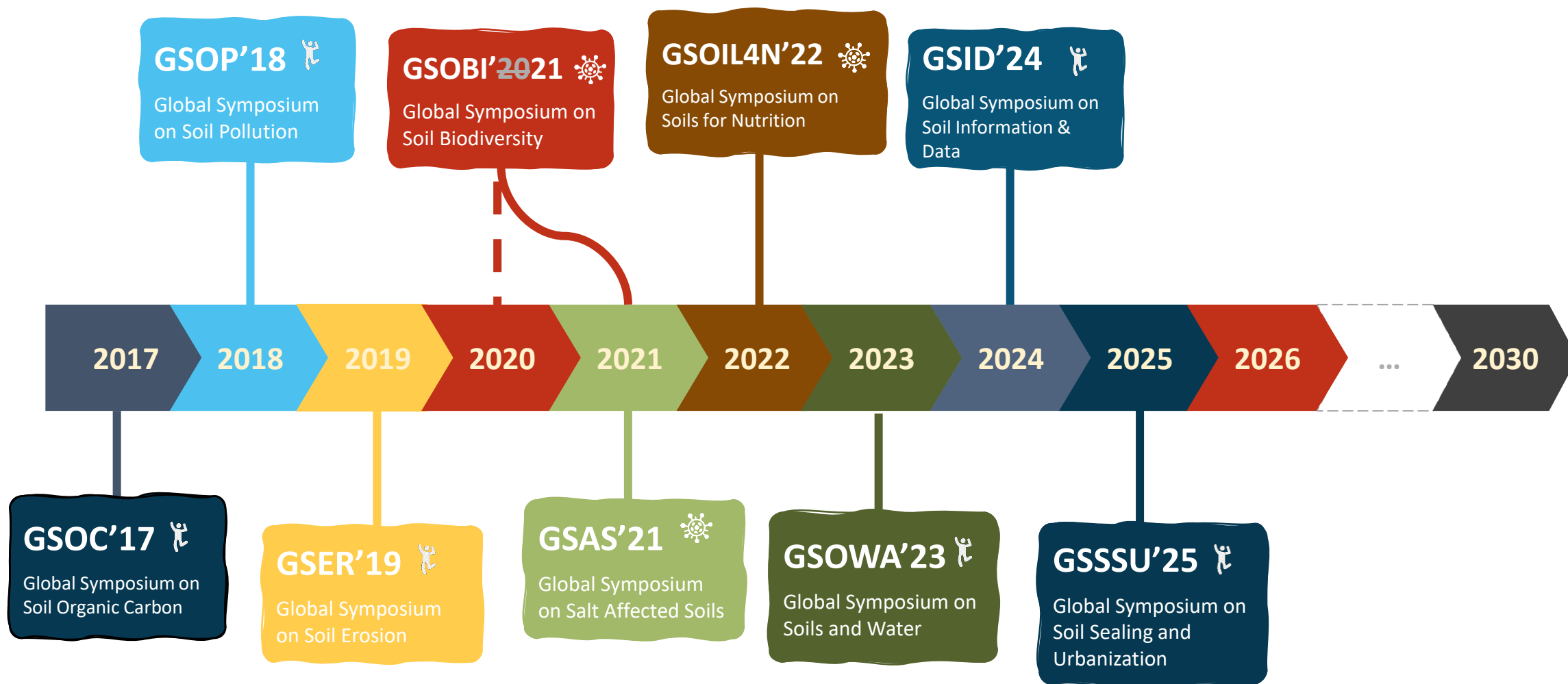
7. Status about Global Symposia: *for information and decision* (GSPPA:XI/2023/7)

- 7.1. Report on the Global Symposium on Soils4Nutrition 2022
- 7.2. Preparations for the Global Symposium on Soils and Water 2023
- 7.3. Preparations for the Global Symposium on Soil Data and Information 2024
- 7.4. Preparations for the Global Symposium on Soil Compaction and Soil Sealing (Urban soils) 2025

8. Report on Regional Soil Partnerships: *for information and decision* (GSPPA: XI/2023/8)

9. Progress of the GSP Technical Networks: *for information and decision* (GSPPA: XI/2023/9)





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More info: fao.org/global-soil-partnership/global-symposia/





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From Data to Action: Harnessing Soil Data and Information for Sustainable Development

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Symposium Chairs

- ITPS Chairperson
- INSII Chairperson
- **GLOSOLAN Chairperson**

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Scientific Committee

Members From;

- Intergovernmental Technical Panel on Soils (ITPS)
- International Network of Soil Information Institutions (INSII)
- Global Soil Laboratory Network (GLOSOLAN)
- Renowned Scientists

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SID'24 - Potential Themes

Themes should be

- Covering all aspects of Soil Information and Data;
- Aligned with current policy priorities;
- Addressing current challenges and opportunities;
- Ensuring a balance of theoretical and practical perspectives
- Fostering international and cross-cultural perspectives;
- Encouraging cross-disciplinary dialogue and collaboration;
- Result in actionable outcomes;

SID'24 - Potential Themes

01

**Theme I. Advances
in Soil Data
Collection, Analysis,
and Data Quality**

02

**Theme II. Soil Data
for Sustainable
Policy and Decision-
making**

03

**Theme III. Data
Ownership, Sharing,
and Collaboration in
Soil Science**

04

**Theme IV.
Challenges and
Opportunities in Soil
Data Standardization
and Interoperability**

SID'24 - Potential Themes

Theme I

Advances in Soil
Data Collection,
Analysis, and Data
Quality

Sub-theme 1.1: Maximizing Data Quality: Optimizing Soil Sampling Design, Monitoring Strategies and Data Quality

Sub-theme 1.2: Laboratory Techniques and Standard Operating Procedures for Soil Analysis

Sub-theme 1.3 – The Emergence of Proximal Sensing Methods for Soil Science

Sub-theme 1.4: Digital Soil Mapping Techniques and Applications and Artificial Intelligence and Machine Learning in Soil Science

Topics: Legacy Data, Data Collection, Sampling, Dry and Wet Chemistry, Mapping and Modelling, Pedometrics

SID'24 - Potential Themes

Theme II

Soil Data for Sustainable Policy and Decision-making

Sub-theme 2.1: The Role of Soil Data in achieving SDGs, Climate Change Adaptation and Mitigation

Sub-theme 2.2: Soil Data for Improved Sustainable Soil Management and Food Security

Sub-theme 2.3: Stakeholder Engagement and Community Building and Resource Mobilization

Topics: Soils and SDGs, Climate Change, Food Security, SSM, Community Building, Resource Mobilization

SID'24 - Potential Themes

Theme III

Data Ownership,
Sharing, and
Collaboration in
Soil Science

Sub-theme 3.1: Ethical Considerations and Data Ownership

Sub-theme 3.2: Fostering Open Data and Collaborative Platforms in Soil Science

Sub-theme 3.3: Capacity Building for Effective Data Sharing and Collaboration

Topics: Data Policies, Ownership, Data Sharing, Data Visualization, Open Data, Capacity Building

SID'24 - Potential Themes

Theme IV

Challenges and Opportunities in Soil Data Standardization & Interoperability

Sub-theme 4.1: Soil Information Systems: DSSs, Development, Best Practices, and Collaboration

Sub-theme 4.2: Advancing Soil Data Standards and Harmonization

Topics: Soil Information and Decision Support Systems, Data Standards, Harmonization

Side Events, Activities

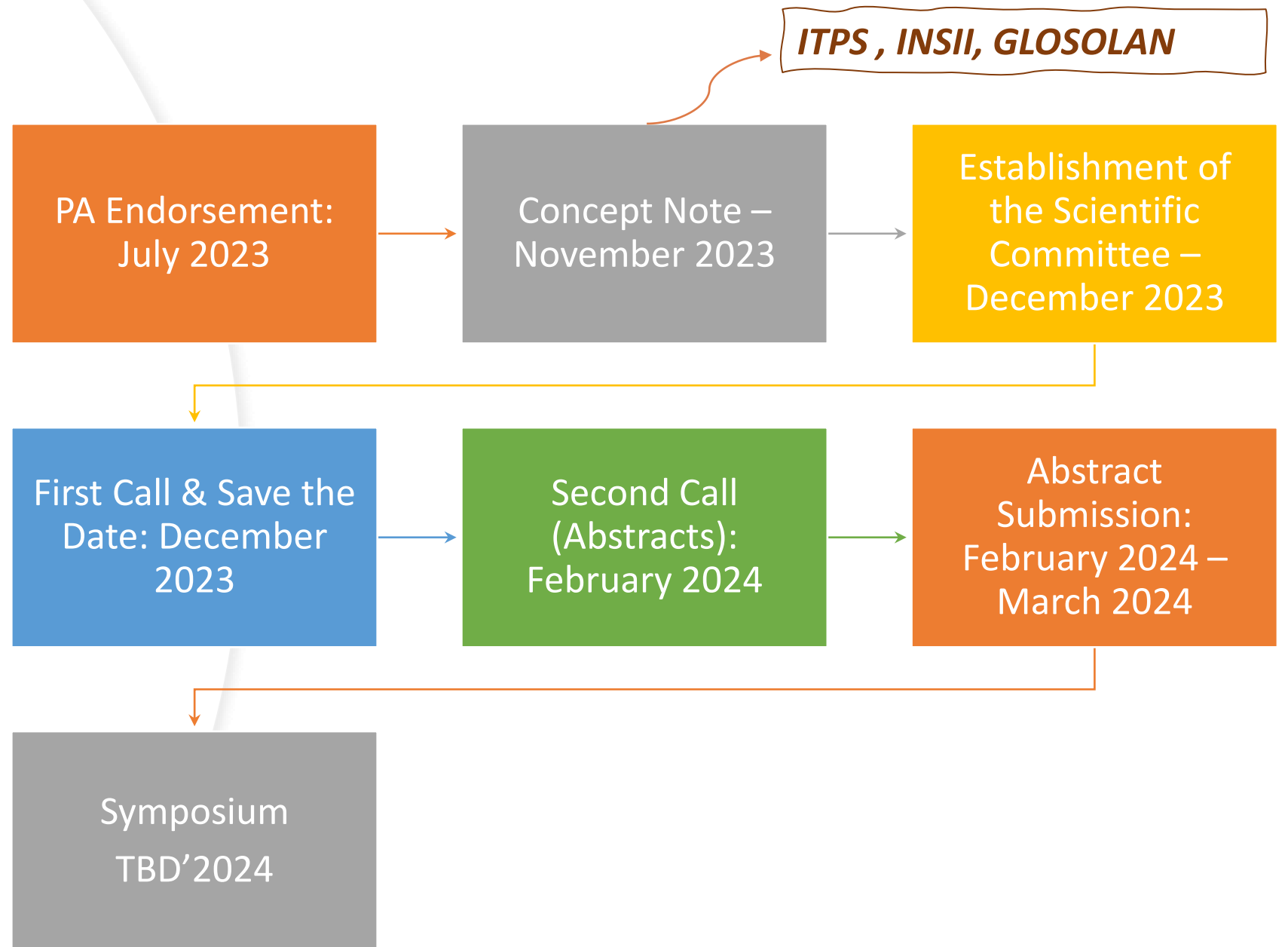


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- Panel Discussions (*e.g., Open Data for Public Good*)
- Mapathon (*e.g., mapping competition*)
- Expert Roundtables or "Ask Me Anything" Sessions
- ...?

Topics: Soil Information (SIS) and Decision Support Systems (DSS), Data Standards, Harmonization

GSID'24 Provisional Timeline



reactions from INSII and the ITPS

- **+Private sector**
- **less technical themes/agenda**
- **soil inf. for land use planning, climate change mitig.**
- **targeting audience beyond INSII**
- **soil information for non-soil experts**
- **Communication of uncertainty for end users**
- **sustainable land/soil practices**
- **non-agricultural land use systems**

Reactions - GLOSOLAN

- Contact: Yusuf.yigini@fao.org

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GSID24 SC - GLOSOLAN

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Organization of the
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