



Food and Agriculture
Organization of the
United Nations

18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)

21-23 March 2023
Fao Headquarters
Rome, Italy

GSID'2024

Global Symposium on Soil Information & Data

itps

INTERGOVERNMENTAL
TECHNICAL PANEL ON SOILS



SIX and counting...



18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)
21-23 March 2023 | Fao Headquarters | Rome, Italy



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



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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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GSID'24

Global Symposium on Soil Information and Data

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

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SID'24 – 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 and Monitoring Strategies
- **Sub-theme 1.2:** Laboratory Techniques and Standard Operating Procedures in Soil Analysis
- **Sub-theme 1.3:** 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

SID'24 - Potential Themes/Subthemes

Themes

Thought and
Suggestions?

• ...

Topics: ...

Side Events, Activities



+

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

Thought and Suggestions?

- ...

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

Symposium Chairs

- ITPS Chairperson – Ms Rosa Poch
- INSII Chairperson – Mr Luca Montanarella
- GLOSOLAN Chairperson - Ms Miriam Ostinelli

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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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Local Organizing Committee

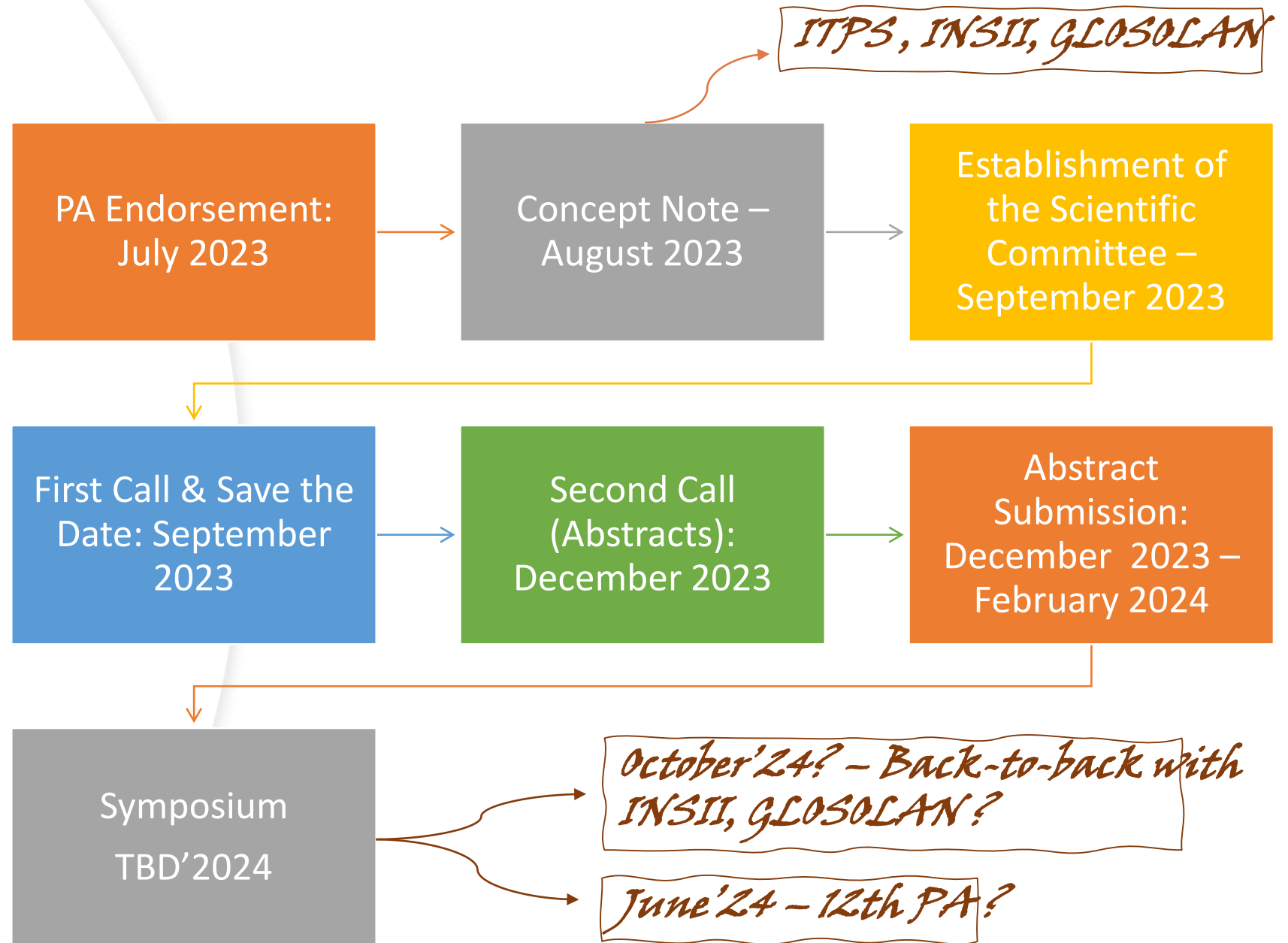
- GSP Secretariat



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GSID'24 Provisional Timeline





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Thank you!

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