



Food and Agriculture
Organization of the
United Nations

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

Global Symposium on Soil and Water (GSOWA23)

21-23 March 2023
Fao Headquarters
Rome, Italy

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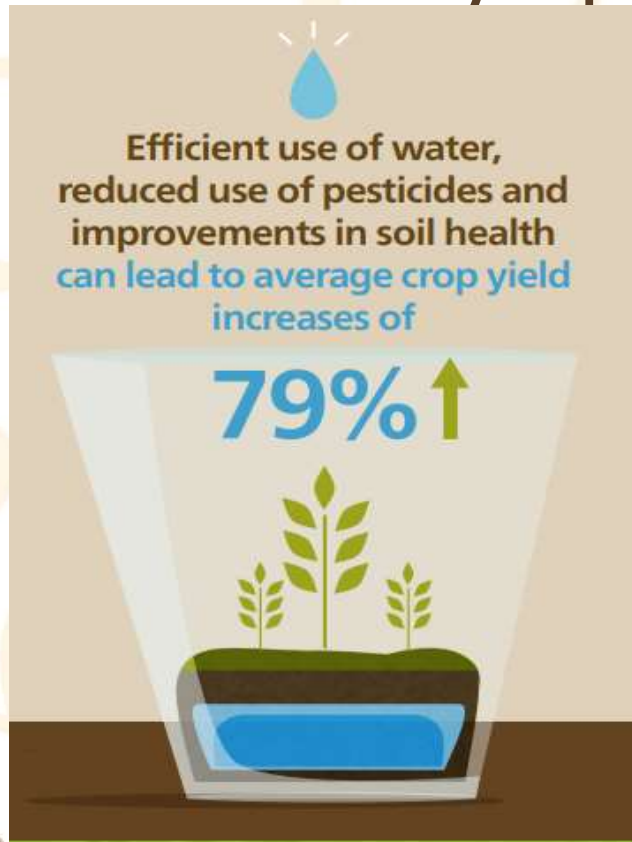
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The Global Symposium on Soil and Water (GSOWA23)

03-06 October, 2023.
Virtual



fao.org/soils-2015

Aims to:

to review the state of the art on the role of soil health for water security and the overall achievement of the Sustainable Development Goals. Furthermore, to review the impact of water management on soil health, looking into the integrated management of soil and water resources.

It is expected to:

to identify critical knowledge gaps and provide the basis for discussion among policy makers, food producers, scientists, practitioners, and other stakeholders involved in the management of watersheds on the creation of solutions that can preserve soil and water resources for mitigating the impacts of climate change and for enhancing human health and wellbeing while protecting the environment.

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The Global Symposium on Soil and Water (GSOWA23)

1 Soil management and water scarcity

Sustainable soil management aids in fighting water scarcity and reduces climate change impacts on water resources.

Drainage

2 Soil health and Water quality

Soil role on water purification – one health

Soil water pollution and its environmental impacts

Re-use of water (green water, drainage water)

3 Soil and water management in a changing climate

Irrigation systems as a fast response to CC resilience

Circular economy

4 Integrated Soil and Water management and governance

Soil, water and plant interactions
soil and water resource management as an integrated approach at watershed level

- Green water use efficiency for Agriculture
- Innovations on sustainable soil water management and green water use efficiency
- Impact of climate change and water management on soil characteristics
- Status of soil and water quality in relation to soil biodiversity and Agricultural practices
- The role of Soil in protection of ground water and surface quality water
- Water pollution and its effect on soil as a resource

- impact of irrigation and water management on soil degradation processes
- Improve Soil health and crop production through irrigation
- Sustainable use of marginal waters and soil health

- Policies to improving 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

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Outcomes

- Technical network to integrate soil and water for agriculture (stats, policies, data)
- Guidelines for integrated soil&water management
- Global map of soil moisture/water holding capacity/Field Capacity and Wilting Point

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GSOWA23 General structure

The Symposium will be held virtually over four days on October 3 - 6, 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



Discussion panels

Multisectorial to address the four themes and complement the scientific insight



Parallel sessions and posters

Participants to address the four themes

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KEYNOTE SPEAKERS



For action: Candidates to be nominated from the online database

Key points to consider: Regional, gender, expertise and age balance.

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DISCUSSION PANELS

Multisectorial

Participation of different stakeholders: government, industry, academia and farmers.

Complement the scientific insight

to articulate the priorities and needs of the governments, and productive and industry sectors with the academia. in the corresponding topic for each day,

Address the 4 themes

Discussion panels each day after the keynote speaker presentations and before the parallel sessions

PARALLEL SESSIONS AND POSTERS

Presentations and poster exhibition

Participants from different countries presenting their contributions. Simultaneous sessions addressing the 4 symposium themes.

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Scientific Committee activities-GSOWA23

Abstracts and other activities

- 1 Selection of keynote speakers
- 2 Reception, review, and selection of abstracts
- 3 Planning of discussion panels, parallel sessions, poster and oral participations
- 4 Support side activities review: photo contest; integrated Soil and water management

Documents review and Publications

- 5 Review of the GSOWA Booklet
- 6 Development and review of the Outcome Document
- 7 Development and review of the Symposium Proceedings



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Thank you!

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