

Soil and water: a source of life

Natalia Rodríguez Eugenio GSP Secretariat, FAO





### Attendance

### 2 877 registered participants

### Participation on the first 3 days

✓ DAY 1: **1 194** participants

✓ DAY 2: 909 participants

✓ DAY 3: **753** participants

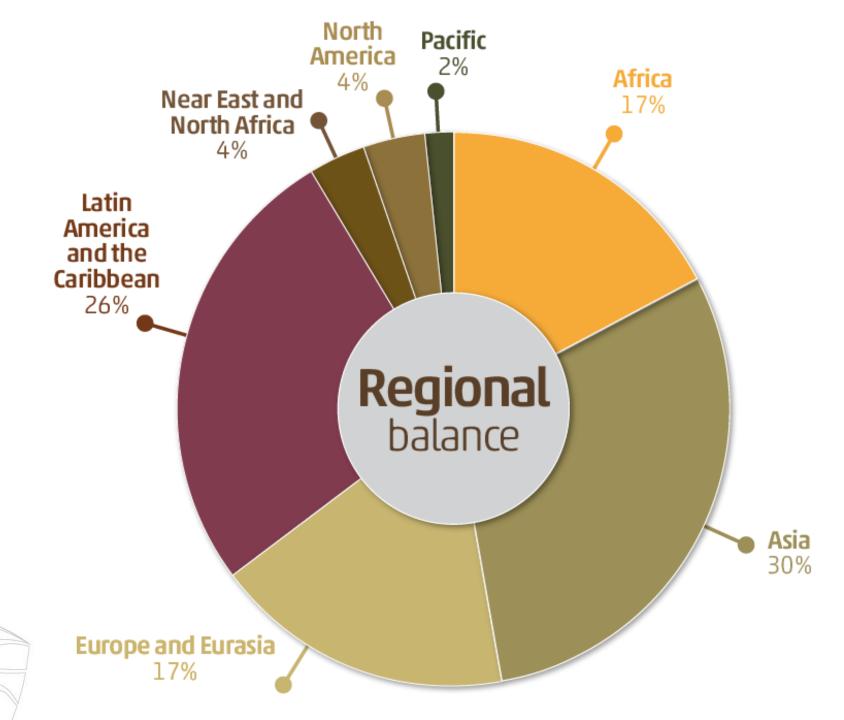
✓ DAY 4: participants





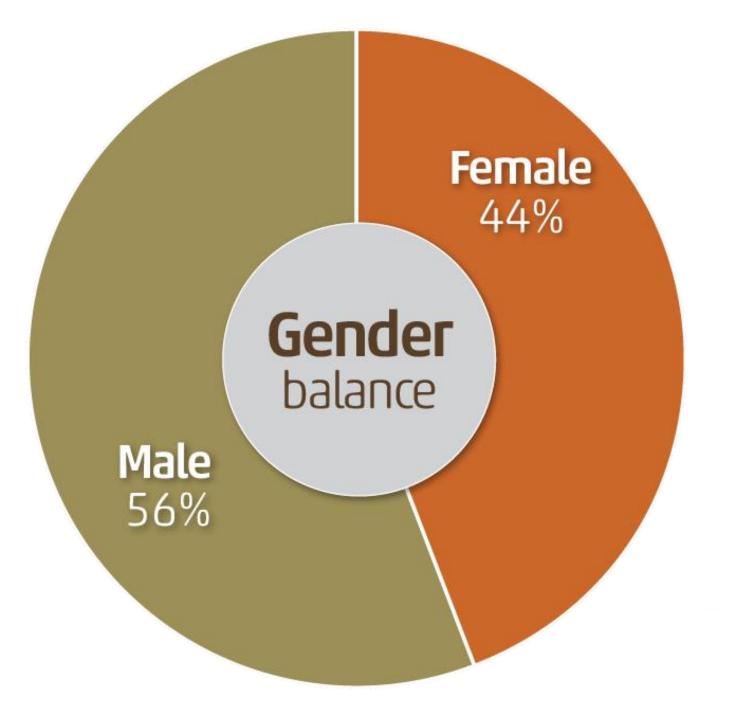


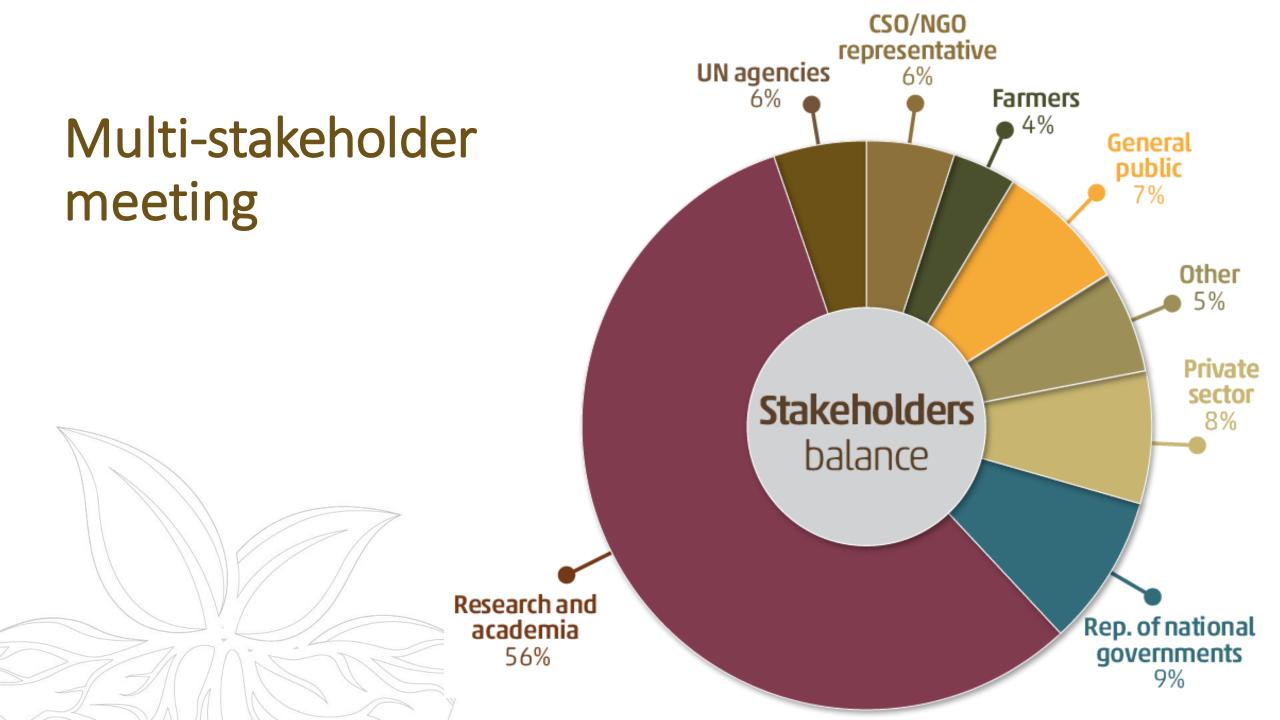
A topic relevant to all continents...



... and to everyone















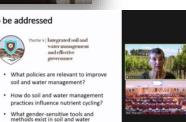
 What are the links between soil and water quality in relation to soil biodiversity and agricultural

- biodiversity and agricultural practices?

   What is the role of soil in protection
- What is the role of soil in protecting groundwater and surface water quality?
- What is the status of water pollution and its effect on soil, environmental, and human health?

GLOBAL CYMPOCHIM on SOUS and WATER 102.05 October 2023 itps

Soil moisture is an Essential Climate Variable







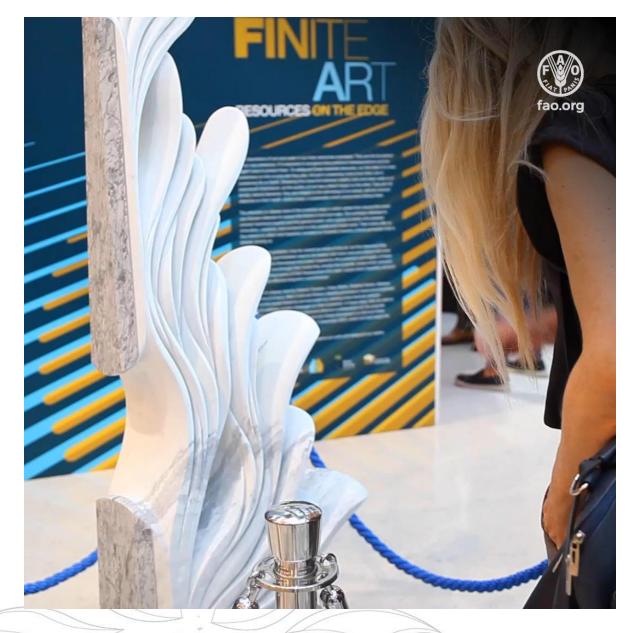
**4** renowned keynote speakers



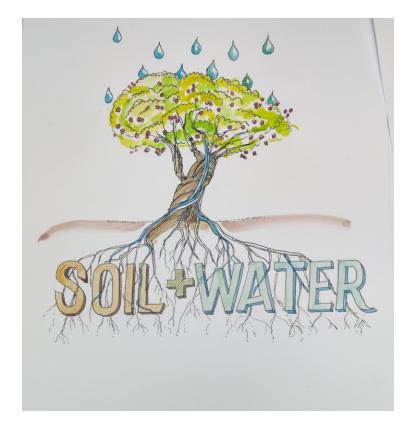
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## Art and science combined to raise public awareness







### SCIENCE AS THE BASIS



4 dynamic and interactive panel discussions



20 technical presentations



Artistic expo combining art and science

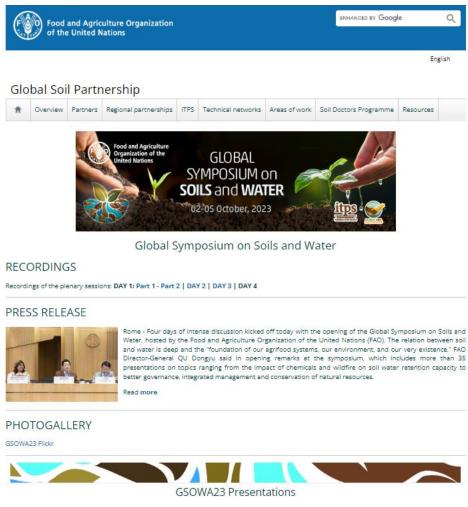
20 hours of technical sessions & open discussion





### Recordings, photos, videos and presentations...

### All are online!





https://www.fao.org/global-soil-partnership/GSOWA23 presentations-recordings





The connection between Soils & Water is now in the news... ... the only way to reach both the general public and policy makers!

### + articles in the main world newspapers

Global Symposium on Soils and Water brings experts from around the world to discuss a multifold relationship

FAO: Prioritize soil and water conservation in all international agendas

### Simpósio Mundial da FAO sobre Solo e Água começou na Itália

### La FAO lance un appel en faveur de la conservation des sols et de l'eau

02/10/2023 18:46, TUNIS/Tunisie

Rome, 02/10/2023 (TAP) - Le Directeur général de l'Organisation des Nations Unies pour l'alimentation et l'agriculture (FAO), Qu Dongyu, a appelé, lundi, à donner la priorité à la conservation des sols et de l'eau dans tous les agendas...

World

03 OCT 2023 12:10 AM AEDT

Global Symposium Unites Experts on Soil, Water

Interactions

The Global Symposium on Soils and Water is a science-policy forum that aims to review the relationship between soil and water in achieving sustainable and resilient agrifood systems. The Food and Agriculture Organization of the UN (FAO) is organizing the event with the Global Soil Partnership and the Intergovernmental Tropical Panel on Soils (ITPS).





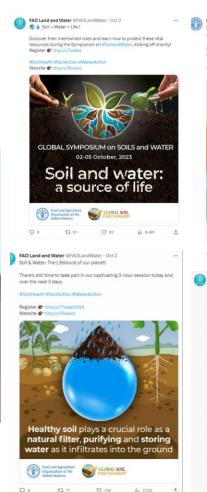
### Key findings

















★ 土壤是食物之源,我们可5%的食物来自于#土壤#。

土壤的健康和肥力会直接影响粮食作物的安全和营养。然而在过去70年里,食物中的维生素和营养素水平急剧下降。

♥ 健康的土壌有哪些好处,土壌养分失衡和土壌肥力流失有哪些危害? 我们能做些什么来保护土壌健康呢

### #十壤促营养#



# Social media platforms in the last days

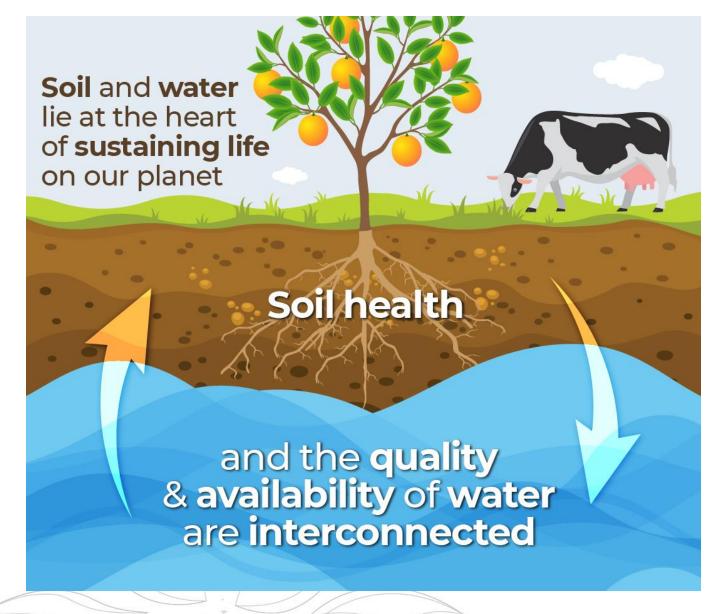
### 健康的土壤:健康食品和更好环境的基础

**联合国粮农组织** 2022-11-28 14:42 发表于英国



\* 土壤是食物开始的地方,健康的土壤为植物提供营养物质。





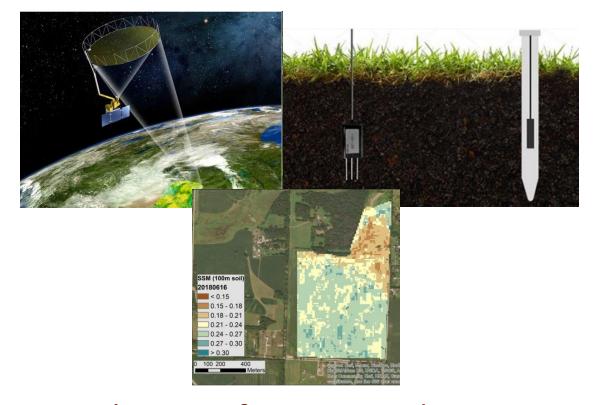
We need to work harder on advocacy and awareness, as soil health is not given the importance it deserves to ensure the provision of sufficient clean water for plant growth.





Soil moisture plays a crucial role in nutrient availability. Proper management is key for water and fertilizer use efficiency.

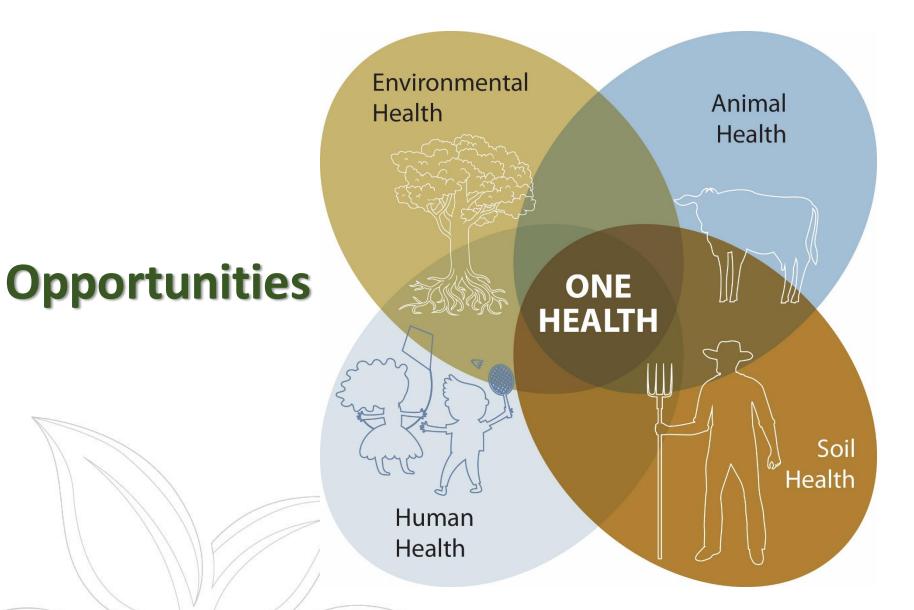




Foster the use of remote and in situ soil moisture monitoring for irrigation and fertilization planning.





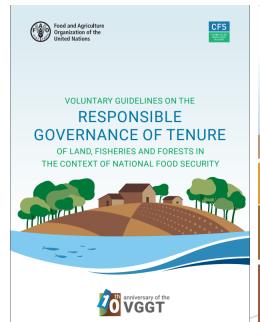


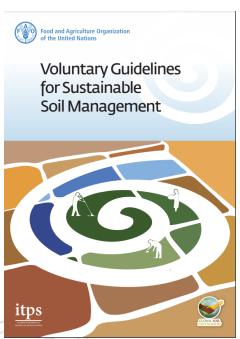
One health approach is the way to go.....but soil health should be better recognized.



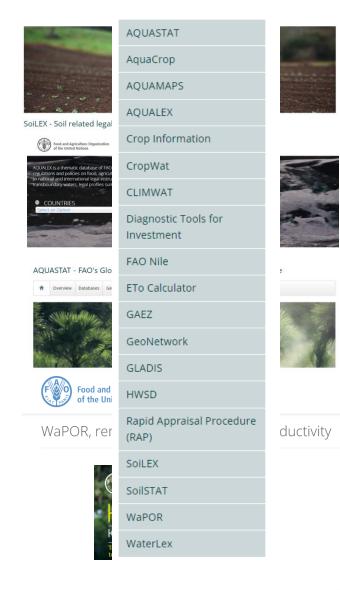


### Integrated governance









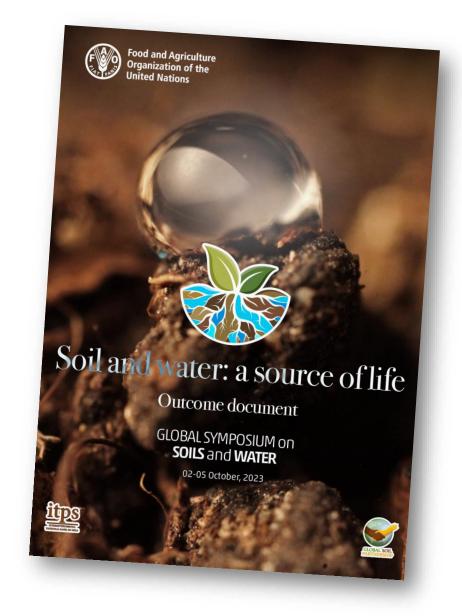




### In a nutshell

- Advocacy and awareness-raising to make the general public aware of the importance of soil and water for life on Earth, food security and nutrition.
- Integrated and sustainable soil and water management should be adopted by all.
- Soil moisture monitoring should be considered when planning irrigation and fertilization.
- Preventing soil pollution, erosion and salinization is key to ensuring good water quality.
- Innovations in the use of alternative water sources and the use of green water should be the way forward in a context of climate change, overexploitation of resources and water scarcity.
- Improved governance through more coherent legal frameworks, strengthened institutions, multi-sectoral cooperation and transparent and inclusive decision making.

# An agenda for action on integrated soil and water management







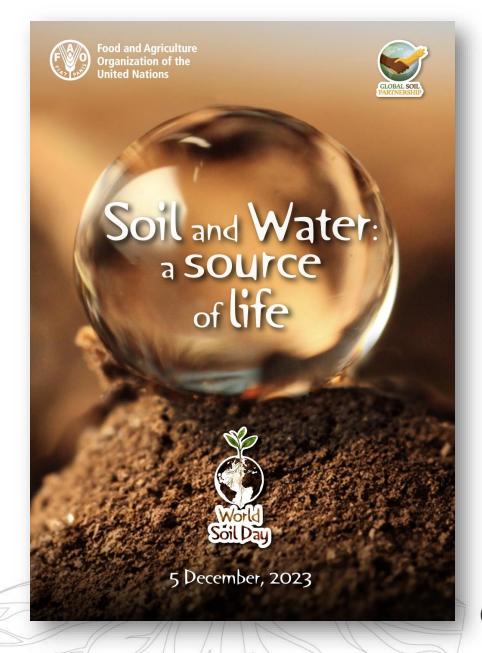


## GSP actions to implement the GSOWA recommendations

- 1. Build a training programme on soil moisture assessment and monitoring for GSP members in line with GloSIS;
- 2. Include soil moisture management and integrated soil and water management within the Global Soil Doctors Programme;
- 3. Coordinate actions among GSP technical networks to prevent soil degradation and water quality loss in rainfed and irrigated agriculture;
- 4. Assist countries to develop and strengthen legal frameworks and institutions to ensure integrated and sustainable soil and water management.
- 5. Coordinate actions with other FAO tools, initiatives and projects to support integrated and sustainable soil and water management.







# The conversation on Soil and Water will continue on World Soil Day 2023



Already + 1 400 events registered on the map! Get ready and mark your calendar





### Soil prizes to be awarded on 5 December 23

organizations
committed to solving
national, regional or
local problems of
soil degradation





Best celebration held in the framework of the previous year's communication campaign

15

Number of submissions

