



Food and Agriculture
Organization of the
United Nations

INSOILFER Working Group Meetings

Introduction to the
meeting:
setting the scene

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INSOILFER Co-coordinator

27-29
November
2023



Insoilfer
International Network on
Soil Fertility and Fertilizers



Launch of the International Network on Soil Fertility and Fertilizers (INSOILFER)

17th July
2023

13:00 - 14:30 CEST

Online Meeting



Insoilfer

More information about the INSOILFER launch [HERE](#)

Goals:

- Adoption and implementation of sustainable and balanced soil fertility management.
- Over 1 200 registered participants.
- Keynote speakers' presentations
- Ensure global food security through the sustainable use of fertilizers and promote soil fertility.
- Technical presentation introducing the network, outlining its objectives, and prioritizing activities.
- The recording of the INSOILFER launch, the event agenda, and the presentations are available on the website
- Avoidance of the underuse, misuse, and overuse of fertilizers.
- Reduction of the environmental and crops, animal and human health impacts of unsustainable fertilizer use and soil management practices.
- Evaluation and improvement of the safety and quality of fertilizers.
- Promotion of the soils for nutrition policy at national and global levels.



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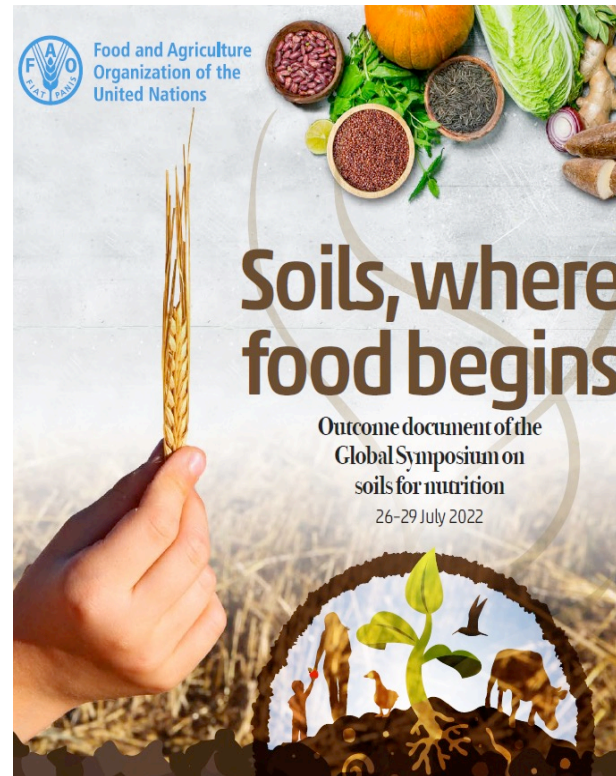
GLOBAL SOIL
PARTNERSHIP

The Recommendations of the Global Symposium on Soils for Nutrition

Outcome Document



26–29 July 2022



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

The Recommendations of the Global Symposium on Soils for Nutrition



26–29 July 2022

- 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.



Launch the International Network Soil Fertility and Fertilizers (INSOILFER) to address nutrient imbalances and promote the adoption of soils for nutrition concept for making soils healthy and fertile by 2030 as a contribution to the transformation of agrifood systems.



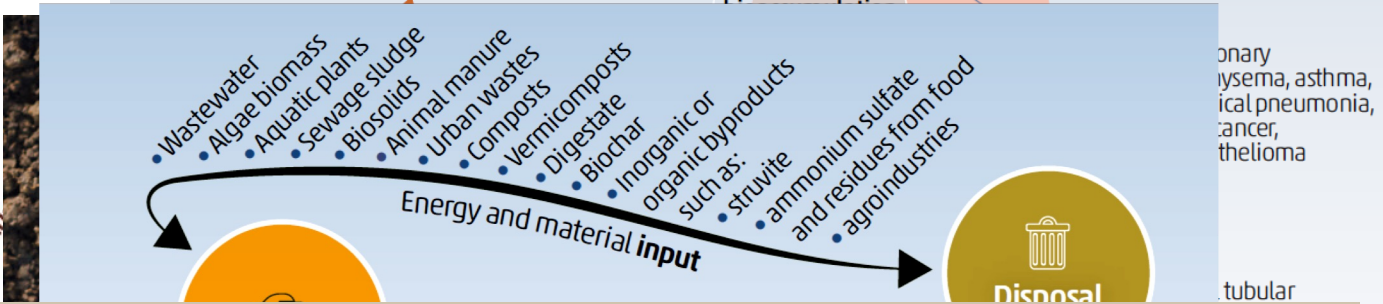
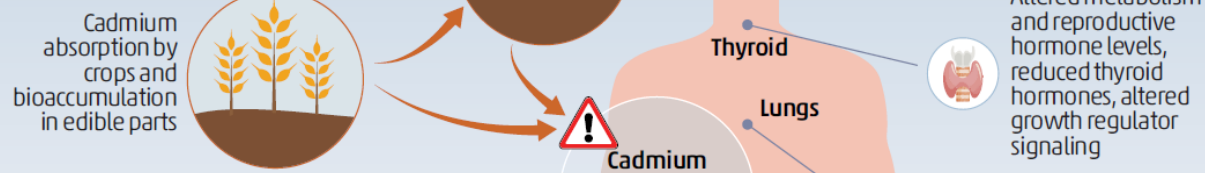
Why the network?

Fulfill the SDG's

The society demands safer and more nutritious food

Food production without externalities derived from unsustainable crop practices

Soil nutrition and crop health



Agroecology

is a systems approach based on a variety of technologies, practices and innovations, including local and traditional knowledge and modern science.

Organic farming

is agricultural production without the use of synthetic chemicals or genetically modified organisms, growth regulators, and livestock feed additives.

Conservation agriculture

follows three principles (minimal soil disturbance, permanent soil cover and crop rotations) to improve soil conditions, reduce land degradation and boost yields.

Agroforestry

includes both traditional and modern land-use systems where trees are managed together with crops and/or animal production systems in agricultural settings.

Zero tillage

is a technique used in conservation agriculture to maintain a permanent or semi-permanent organic soil cover that protects the soil allowing soil microorganisms and fauna to take on the task of "tilling" and soil nutrient balancing.

Sustainable soil management could produce up to 58% more food



Now...what is next?

Operability

- First meeting of the working groups
- Website construction
- Collaboration with other networks and institutions





INSOILFER Working Group Meetings

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- Endorsement of goals and work plan
- Governance: Chair, 3 Vice-Chairs
- Technical Committees
- Reference institutions
- Potential collaborations and joint working groups



**Day
1**

WG1 Meeting
Soil fertility and nutrient
monitoring system

**Day
2**

WG2 Meeting
Sustainable soil fertility and
fertilizer management

**Day
3**

WG3 Meeting
Fertilizer safety and quality assessment
Debriefing meeting



Insoilfer
International Network on
Soil Fertility and Fertilizers

The membership of INSOILFER



**209 members registered
69 countries**

INSOILFER registration survey

Welcome to the INSOILFER registration survey!

INSOILFER is delighted to welcome new members. To become a member, we kindly request you to complete the registration form provided below.

If you have any questions or need assistance, please don't hesitate to contact us at carolina.oliverasanchez@fao.org and vinisa.saynessantillan@fao.org.

Thank you for your interest in joining INSOILFER!

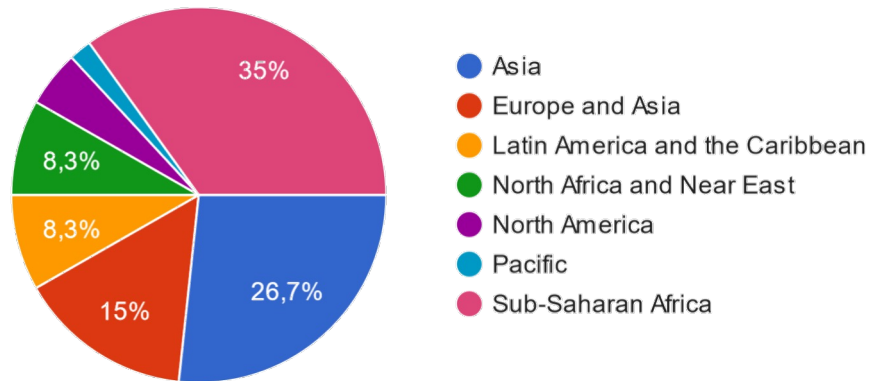


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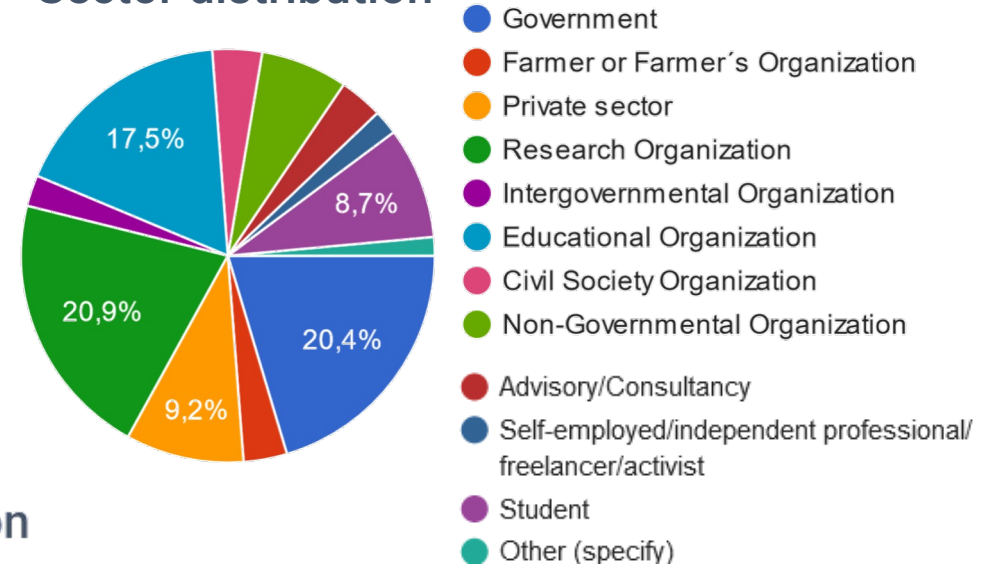


The membership of INSOILFER

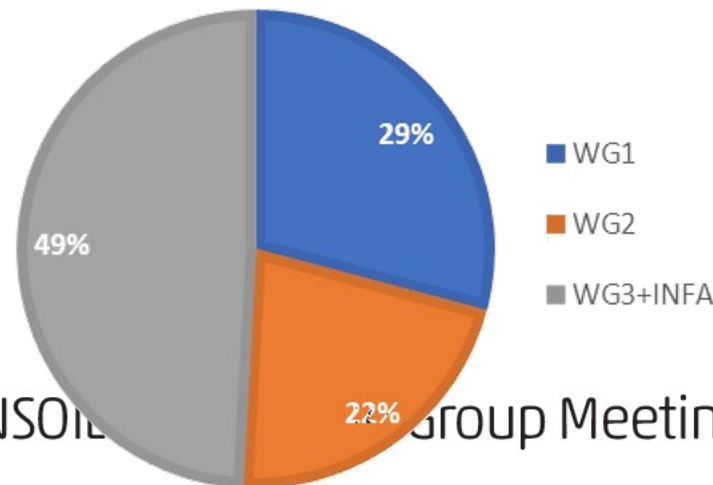
Regional balance



Sector distribution



WG distribution



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Introduction to the International Network on Fertilizer Analysis (INFA)

- Established in December 2020, as a sub-network of GLOSOLAN
- Supports the implementation of the International Code of Conduct for the Sustainable Use and Management of Fertilizers (The Fertilizer Code)
- Supports the implementation of the Sustainable Development Goals, the Agenda 2030 for Sustainable Development, and the FAO mandate on food security and nutrition
- Globally consists of 185 laboratories from 88 countries analyzing or interested in analyzing fertilizers

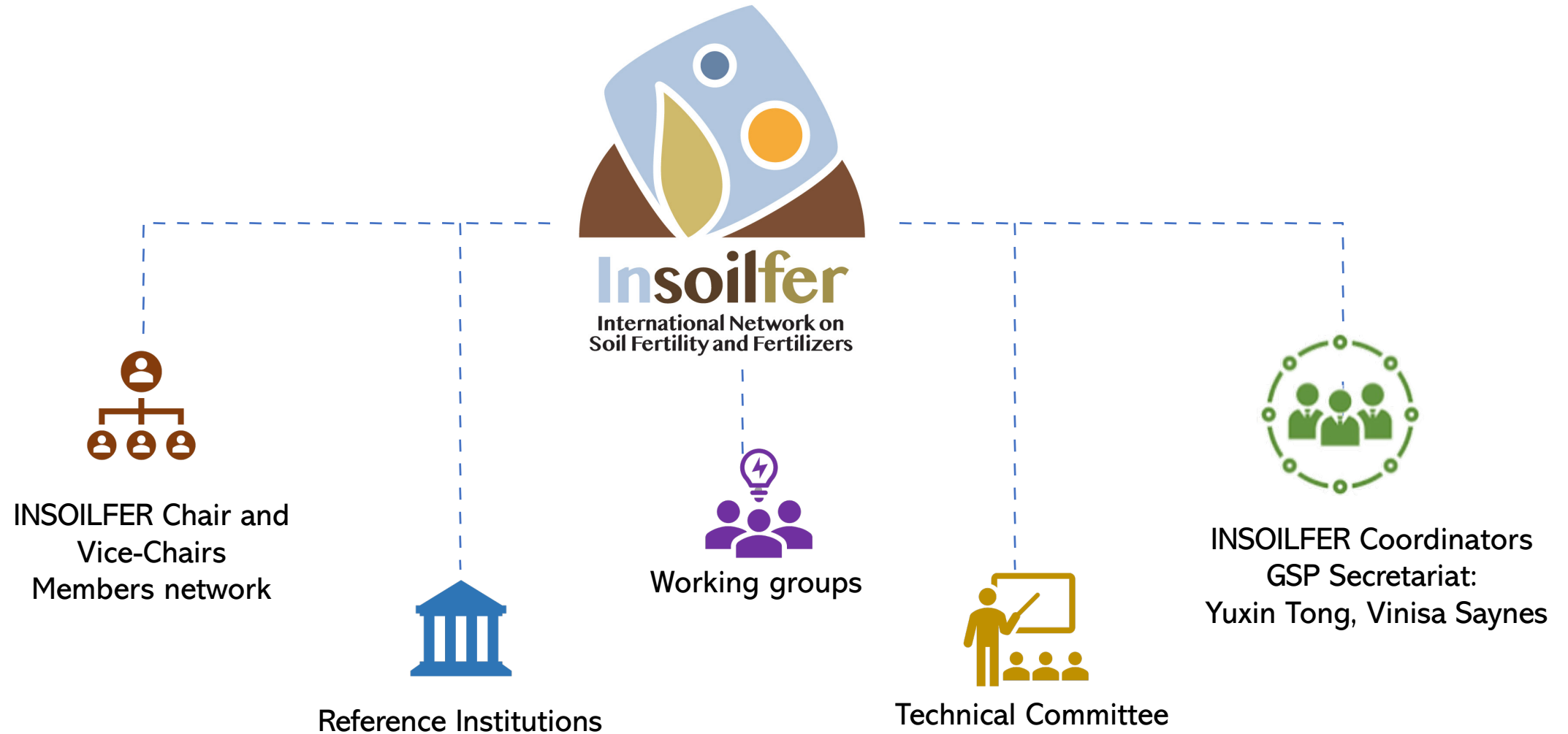


INFA Merged with INSOILFER (WG3)



INFA merged with INSOILFER, focusing on harmonizing methodologies and protocols for the quality and safety assessment of fertilizers, building and strengthening national capacities of laboratories

INSOILFER structure





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Thank you

