





Georges Ndzana INSOILFER Chair

30 January 2024 13:00-15:00 CET





The International Network on Soil Fertility and Fertilizers (INSOILFER) aims to adopt and implement sustainable soil fertility management, avoid the underuse, misuse and overuse of fertilizers, and reduce the environmental and health impacts of unsustainable fertilizer use.

INSOILFER also aims at channeling collective action towards sustainable soil fertility and fertilizer management, with the vision of achieving healthy and fertile soils by 2030 and contributing to the transformation of agrifood systems.

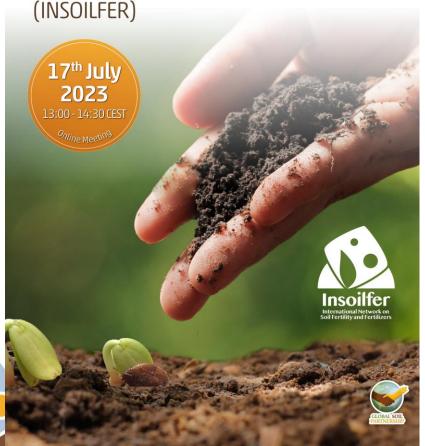






### **AGENDA**

Launch of the International Network on Soil Fertility and Fertilizers





## **AGENDA**

INSOILFER
Working Group Meetings





CHAIR Ndzana Georges Martial

INSOILFER structure and governance



Soil fertility and nutrient monitoring system

GSP COORDINATOR Imane Slimani

VICE-CHAIR Ranjan Bhattacharyya

#### TECHNICAL COMMITTEE

Ranjan Bhattacharyya Nouira Mohamed Salah Boukari Garba Seydou Masango Solomon Sone Adewale Moses Sedara Johan Leenaars

REFERENCE INSTITUTIONS



Soil fertility and fertilizers management

GSP COORDINATOR Yuxin Tong

VICE-CHAIR Nouira Mohamed Salah

#### TECHNICAL COMMITTEE

Masango Solomon Sone Karina Batista Attia Rafla Armando Tasistro Ranjan Bhattacharyya Roger Kogge Enang Milton Ferreira de Moraes Haitao Xiang Gerardo Ojeda

REFERENCE INSTITUTIONS



Fertilizer safety and quality assessment

GSP COORDINATOR Vinisa Saynes Santillán

> VICE-CHAIR Wesley Feldmann

#### TECHNICAL COMMITTEE

Adele Muscolo Kobusinge Aloys Nyabwisho Gerardo Ojeda Ranjan Bhattacharyya

REFERENCE INSTITUTIONS



# **INSOILFER Working Groups**



Soil fertility and nutrient monitoring system



Sustainable soil fertility and fertilizer management



Fertilizer safety and quality assessment



**Soil Fertility and Fertilizers** 





WG1
Soil fertility and nutrient monitoring system

Work plan

Improve the knowledge and enhancing/building capacities on soil fertility monitoring and soil nutrition plan development and evaluation.

Supporting the decision-making on soil nutrient management, soil nutrient budget, monitoring system, and climate change mitigation at global, national, and local scales

3

Establishment of a global soil nutrient monitoring system and promote a datasharing partnership







Identification, description, and compilation of locally adapted SSM practices oriented to improve soil fertility, crop nutrition, and nutrient use efficiency

WG2
Sustainable soil fertility
and fertilizer management

Work plan

Avoiding underuse, misuse and overuse of fertilizers through the optimization of nutrient use efficiency and fertilizer recommendations

Enhancing/development capacities on generating sustainable fertilization recommendations

Advocate for the adoption of fertilization approaches based on soil fertility evaluation Soil health as a prerequisite for coop production: the relevance of organic fertilizers



3



WG3
Quality and safety of fertilizers

Work plan

Harmonization laboratory analytical protocols for the safety and quality assessment of fertilizers

- Sample preparation
- NPK
- Heavy metals
- Biofertilizers

Capacity development for quality assurance of analytical procedures and laboratory staff performance

- Ring test 2024 (NPK)
- Webinar series and trainings on quality assurance

Regulations and policies on the safety and quality of fertilizers

- Customs procedures
- Soil health as a prerequisite for crop production: the relevance of organic fertilizers

2



3

## Enhancement capacities is essential for INSOILFER

Measuring soil fertility at multiple scales

Soil and crop production

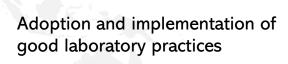
models for the evaluation of soil nutrient dynamics

Key soil fertility indicators

Dynamic changes of soil nutrients



Generating sustainable fertilization recommendations



Webinar series with member-selected topics for greater outreach

Quality assurance of fertilizers analysis





