

Food and Agriculture Organization of the United Nations

PARTNERSHIP 12th Plenary Assembly 03-05 June 2024 International Network on Soil Fertility and Fertilizers- INSOILFER

GLOBAL SOIL

Georges Ndzana INSOILFER Chair



International Network on Soil Fertility and Fertilizers



INSOILFER objectives



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.

Adopt

and implement sustainable and balanced soil fertility management

Ensure

global food security through the sustainable use of fertilizers and the promotion of soil fertility

Avoid

the underuse, misuse, and overuse of fertilizers



Reduce

environmental and human health impacts of unsustainable fertilizer use and soil management practices

Evaluate

and improve the safety and quality of fertilizers

Promote

the soils for nutrition policy at national and global levels



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INSOILFER operation supports the implementation of the Fertilizer Code



Outcome Document recommendations

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International Network on Soil Fertility and Fertilizers

 ✓ GSOIL4N was held to support the implementation and adoption of the Fertilizer Code.

✓ The implementation of the Fertilizer Code continues with the launch and operation of INSOILFER

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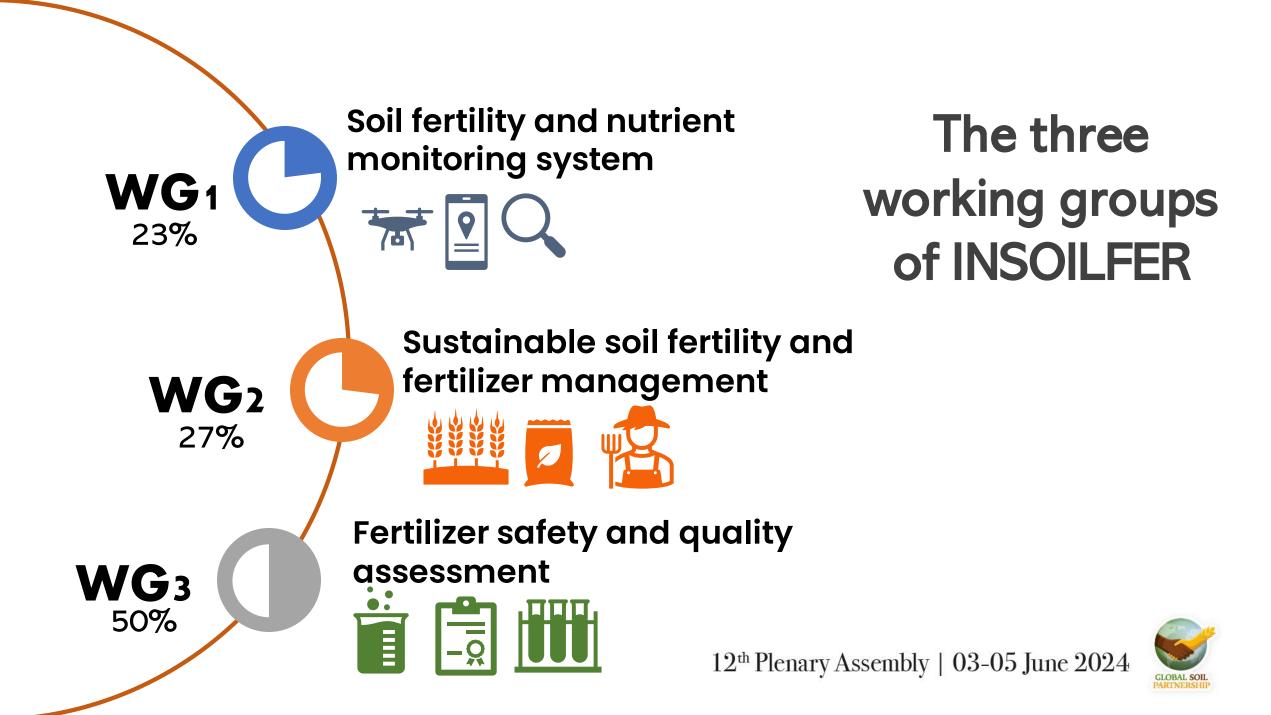
GLOBAL SOIL PARTNERSHIP

INSOILFER in numbers

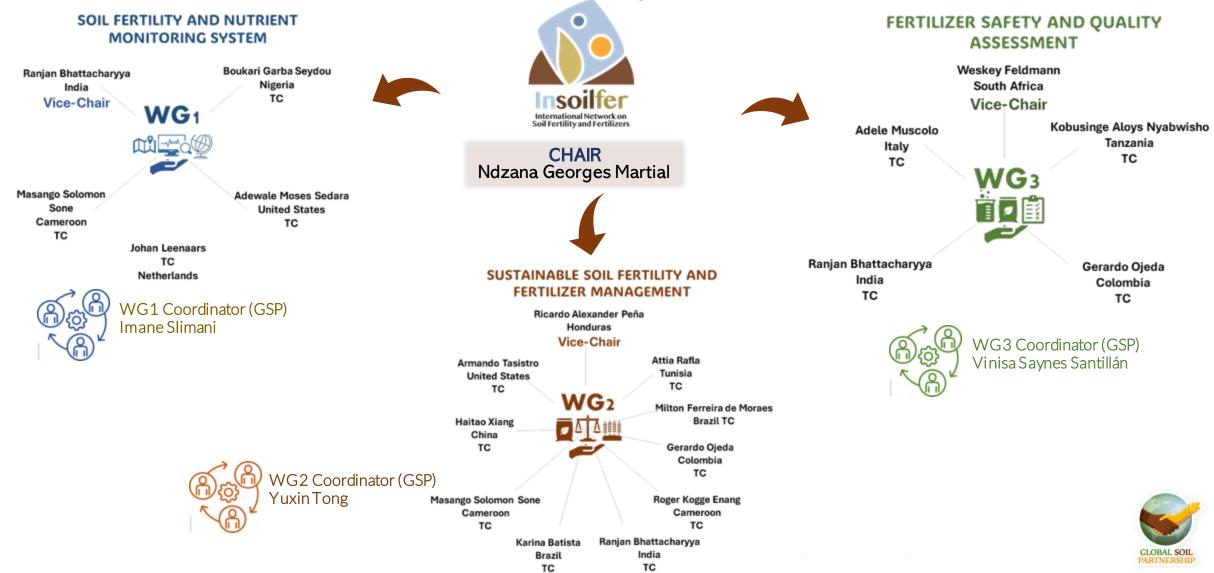
Launched: July 2023 Members: 670 Laboratories: 186 **Countries: 85 Meetings: 5**

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3% 16% 4% Eurasia Europe 27 .% Asia NENA 11% 33% **Pacific** LAC Africa GL(3AL SOIL PARTNERSHIP | 12th Plenary Assembly | 03-05 June 2024 GLOBAL SO



INSOILFER governance



INSOILFER meetings



Food and Agricultur Organization of the

INSOILFER Inception Meeting

5 PRIORITY ACTIONS

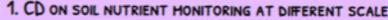
CAPACITY DEVELOPMENT ON:



- 1. ANALYZING SOIL HEALTH INDICATORS, MEASUREMENTS AND MONITORING
- 2. ON SOIL FERTILITY MAPPING-COLLAB INSI
- 3. SOC MEASUREMENT AND MONITORING-COLLAB RECSOIL TEAM
- 4. ON THE ASSESSMENT OF SOIL POLLUTION (HEAVY METALS/ PESTICIDE RESIDUES)- COLLAB WITH INSOP
- 5. ON SOIL SAMPLING METHODS TARGETING FARMERS AND

DIFFERENT STAKEHOLDERS

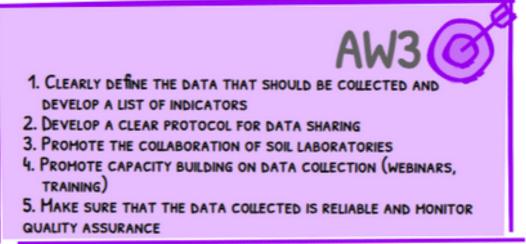
5 PRIORITY ACTIONS



- 2. PROMOTE RESEARCH AND EDUCATION ON SOIL SCIENCES AND RELATED MAJORS
- 3. CD FOR SOIL NUTRIENT BUDGET EVALUATION
- 4. DEVELOP ADOPTABLE METHODOLOGY FOR THE NUTRIENT BUDGET MAPPING
- 5. DEVELOP EXTENSION-TYPE PUBLICATIONS FOR GROWERS AND

EXTENSION AGENTS, FOCUS ON REVIEWS OF CURRENT TECHNOLOGY

5 PRIORITY ACTIONS



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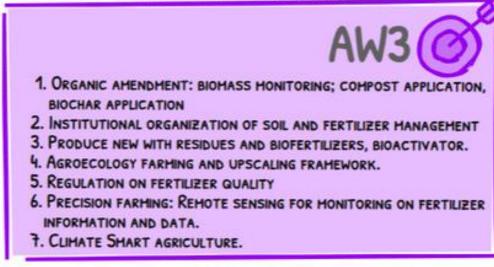
AW1 🔗

- 1. ESTABLISH BASELINE SOIL TESTING & ANALYSIS BEFORE FERTILIZER USE
- 2. IMPLEMENTING PERIODIC SOIL ASSESSMENT TO MONITOR CHANGE AND EFFECTIVENESS OF SSM ACCORDING TO CROP NEEDS.
- 3. PARTNERSHIP WITH PRIVATE SECTORS AND ACADEMIC INSTITUTIONS TO WORK WITH FARMERS.
- 4. ORGANIZE CONFERENCES/PLATFORMS TO IMPROVE KNOWLEDGE.
- 5. ORGANIZE COMMUNITY MEETINGS AND WORKSHOPS FOR CITIZENS.

5 PRIORITY ACTIONS

- 1. CD ON SOIL NUTRIENT MONITORING AT DIFFERENT SCALE
- 2. PROMOTE RESEARCH AND EDUCATION ON SOIL SCIENCES AND RELATED MAJORS
- 3. CD FOR SOIL NUTRIENT BUDGET EVALUATION
- 4. DEVELOP ADOPTABLE METHODOLOGY FOR THE NUTRIENT BUDGET MAPPING
- 5. DEVELOP EXTENSION-TYPE PUBLICATIONS FOR GROWERS AND EXTENSION AGENTS, FOCUS ON REVIEWS OF CURRENT TECHNOLOGY

5 PRIORITY ACTIONS





PRINCIPAL ACTIVITIES

SOP HARMONIZATION REPORT

TOTAL NITROGEN BY THE KJELDAHL METHOD HEAVY METAL DETERMINATION IN PHOSPHATE FERTILIZER MATERIALS TOTAL NITROGEN BY THE COMBUSTION METHOD TOTAL PHOSPHORUS- ACID DIGESTION TOTAL POTASSIUM - WATER-SOLUBLE

BIOFERTILIZER QUALITY AND SAFETY ASSESSMENT: AN EMERGENT GLOBAL NEED-COLLABORATION WITH NETSOB

PRINCIPAL ACTIVITIES

CAPACITY DEVELOPMENT FOR QUALITY ASSURANCE

LAYING THE FOUNDATION OF FERTILIZER SAFETY AND QUALITY ASSESSMENT: TRAINING IN QUALITY ASSURANCE IN ANALYTICAL PROCEDURES SOP TRAINING: NPK ANALYSIS IN FERTILIZERS RING TEST

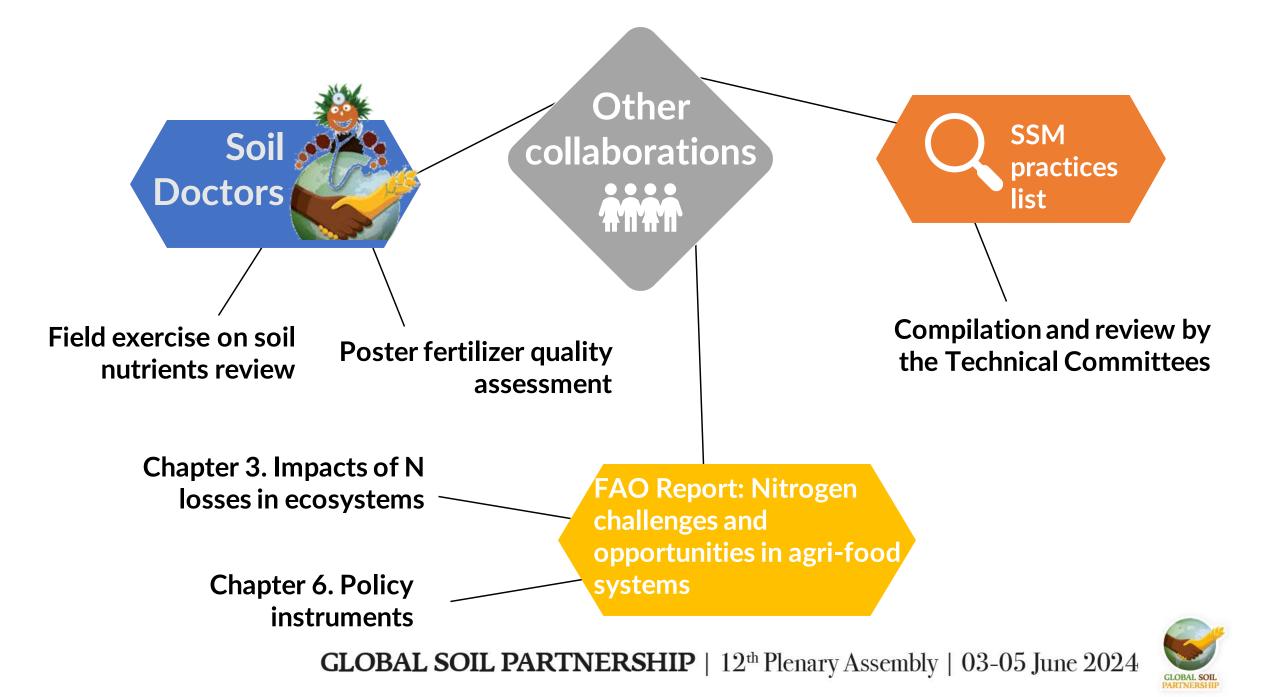
AW2

PRINCIPAL ACTIVITIES

STANDARDIZED MONITORING OF HEAVY METALS: ACTIONS TO IMPROVE THE QUALITY AND SAFETY MONITORING IN FERTILIZERS POLICY BRIEF ON PERMISSIBLE LIMITS BUILD THE FOUNDATIONS OF A PLATFORM SIMILAR TO SOILEX

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Requests to the PA

- Encourage FAO members, national experts and stakeholders to join INSOILFER
- Support and disseminate the endorsed work plan for the three working groups
- Support INSOILFER in identifying resource mobilization opportunities



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THANK YOU

