



Food and Agriculture
Organization of the
United Nations

GLOBAL SOIL PARTNERSHIP 10th Plenary Assembly



23-25
May 2022

VIRTUAL
MEETING

International Network on Fertilizer Analysis (INFA)

Wesley Feldmann
INFA Chair





International Network on Fertilizer Analysis

“Investing in harmonized
fertilizer quality assessments for
sustainable soil management”

- ✓ Launched in December 2020.
- ✓ Second Meeting June 2021
 - The objectives and indicators of performance for the network were endorsed
- ✓ Governance:
 - Chair: Dr. Wesley Feldmann (Malawi)
 - Vice-Chair: Dr. Gerardo Ojeda (Colombia)
- ✓ Working groups workshops March 2022
- ✓ Third Meeting October 2022



INFA

International Network
on Fertilizers Analysis

Food and Agriculture
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United Nations

Working Groups Meetings
NETWORK ON FERTILIZER ANALYSIS (INFA)

Virtual meeting
29-31 March 2022 | 14:30 - 17:00 CEST

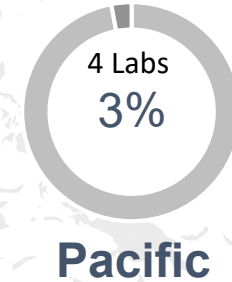
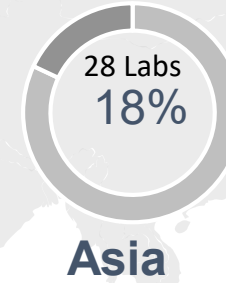
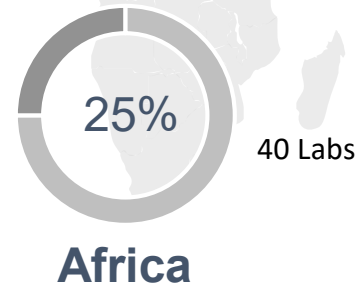
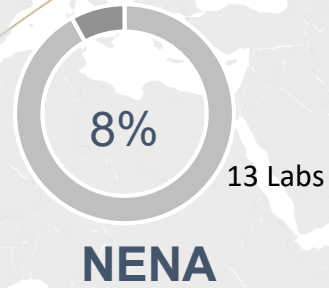
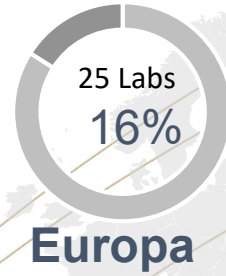
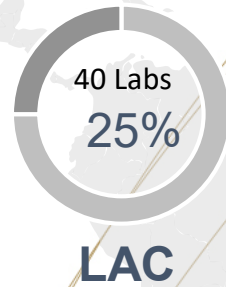
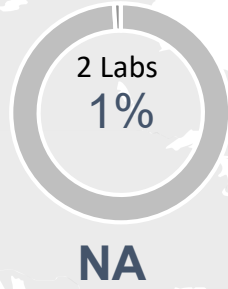
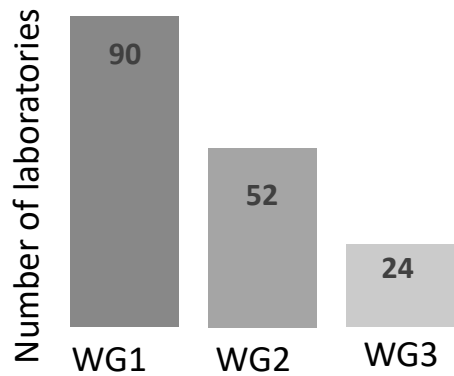
GLOBAL SOIL
PARTNERSHIP





INFA is made up 159
laboratories from 84
countries in several
regions of the world

- Three working groups
1. Harmonization
 2. Capacity building
 3. Policies and governance

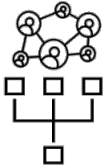




Working Group 1

1

Harmonization of Methodologies for Fertilizer Analysis



All initial work to be carried out on mineral/synthetic fertilizers

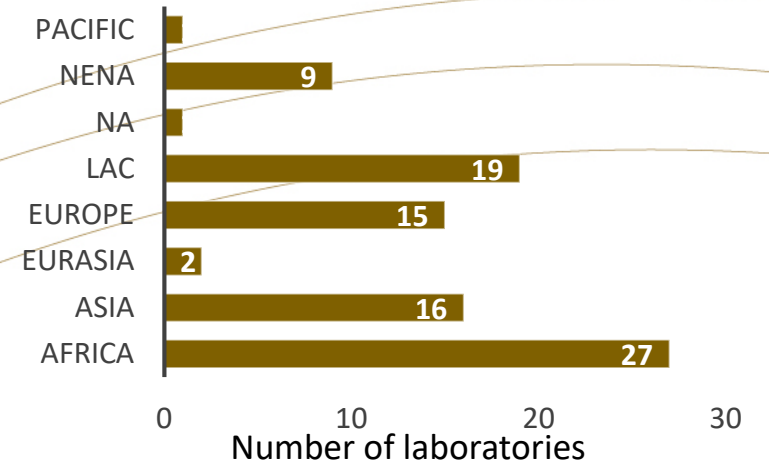
- Expanded to include organic fertilizers

The WG-1 will be sub-divided into three groups:

- WG1.a Nitrogen
- WG1.b Potassium
- WG1.c Phosphorus
- WG1.d Organic fertilizers



Database template for
SOP's harmonization
Currently harmonizing
8 methodologies



1. Total Nitrogen – Kjeldahl
2. Total Nitrogen Combustion
3. Total Phosphorus- Acid digestion
4. Total Phosphorus - Ammonium Vanadomolybdate Absorptiometric
5. Total Phosphorus - Quinoline Gravimetric
6. Total Potassium - Sodium Tetraphenylborate Gravimetric
7. Total Potassium - Water-Soluble
8. Organic fertilizers





Working Group 2

2



Capacity Building/Strengthening

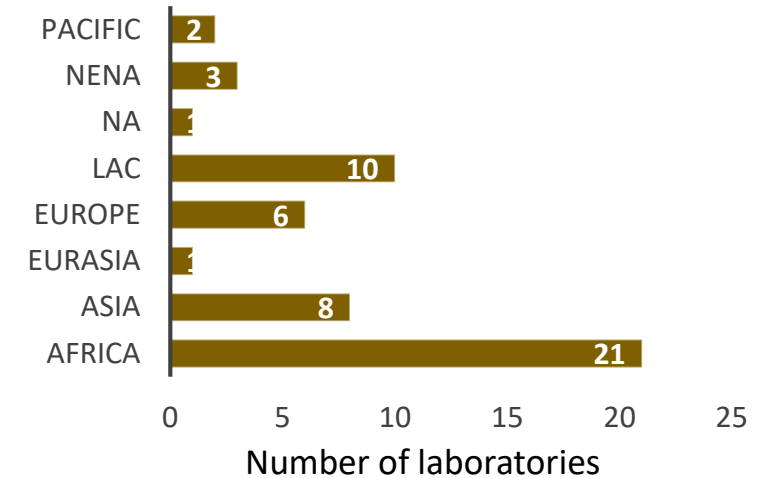
- Strengthen performance of fertilizer laboratories using standardized methods
- Provide training and guidelines (literature + media)
- Currently answering surveys on sample preparation and quality assurance

Focus on laboratory support to ensure that laboratories operate effectively to obtain the best results for Working Group 1.

Priorities for documents and associated videos

WG-2a: Sample Preparation (for laboratory analysis)

WG-2b: Quality Assurance





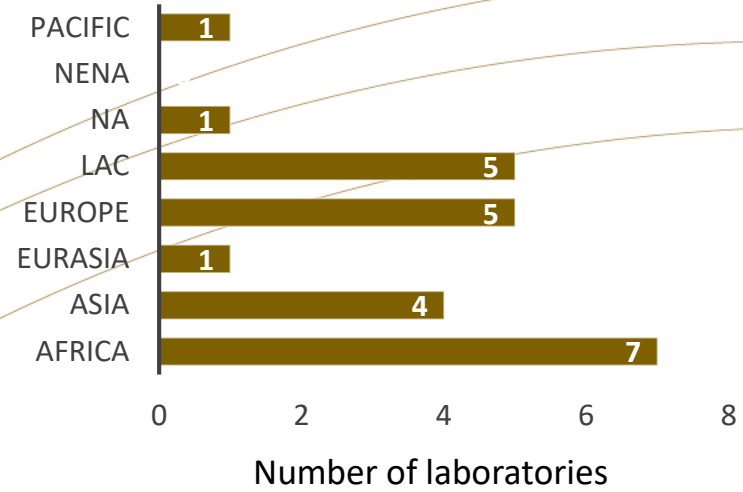
Working Group 3

3



Governance, Policy and Regulation

- Regulatory framework regarding fertilizer use and imports at the national, regional and global levels.
- Currently working on a survey on customs procedures for building a global database to support SIMPLE platform



Sección 1 de 4

NATIONAL CUSTOMS PROCEDURES

Objectives.

- To identify laboratories that qualify for receiving fertilizer samples for proficiency testing under an importation procedural point of view.
- To collect information on customs control procedures.

This information will be used to create a global open access database to be used as a reference by anyone interested in launching proficiency testing exercises or in need to send fertilizer samples abroad.

I. GENERAL INFORMATION





Kind request for support to PA



Funding for proficiency tests
(samples shipment, laboratory
analysis, fertilizer standards)



Funds for proficiency tests

Facilitate the search and
access to information related
with fertilizer regulatory
frameworks for imports and
exports at the national,
regional, and global levels.

Encourage soil laboratories and other key
stakeholders to join INFA and implement
agreed activities including harmonization,
policy and regulations



Join INFA!



Facilitate search for data & info



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