

# Asian Soil Laboratory Network :Progress Updates

*Pushpajeet Lokpal Choudhari*  
*SEALNET Chair*

7<sup>th</sup> Meeting of the  
**Global Soil  
Laboratory  
Network**  
(GLOSOLAN)



**GLOSOLAN**  
GLOBAL SOIL LABORATORY NETWORK

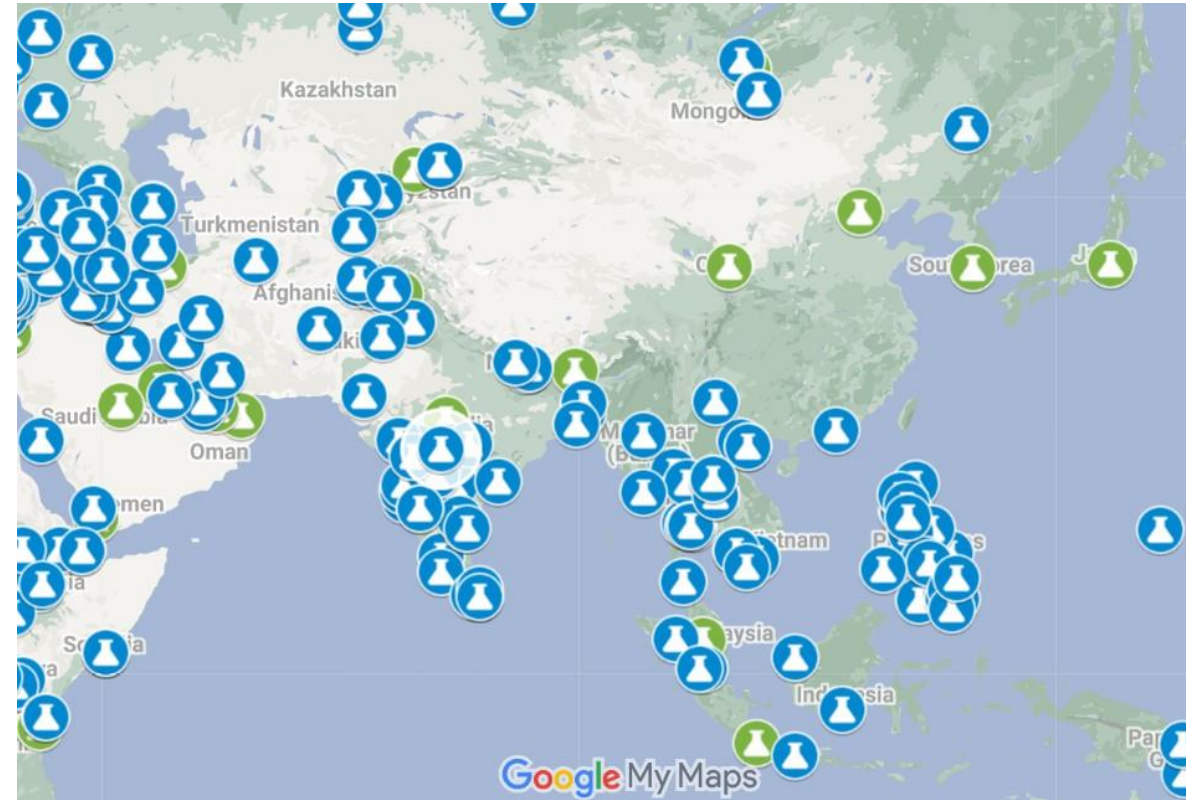


# Global Soil Laboratory Network

- The Global Soil Laboratory Network (GLOSOLAN) was established in 2017 to build and strengthen the capacity of laboratories in soil analysis and to respond to the need for harmonizing soil analytical data. Harmonization of methods, units, data and information is critical to
  - (1) provide reliable and comparable information between countries and projects
  - (2) allow the generation of new harmonized soil data sets; and
  - (3) support evidence-based decision making for sustainable soil management.
- The work of GLOSOLAN supports the implementation of the Sustainable Development Goals, the Agenda 2030 for Sustainable Development and the mandate of FAO on food security and nutrition

# SEALNET Registered laboratories

Sl No	Country	Total labs	Sl No	Country	Total labs
1	Afghanistan	4	12	Malaysia	2
2	Bangladesh	4	13	Mongolia	8
3	Bhutan	1	14	Myanmar	3
4	Cambodia	3	15	Nepal	5
5	China	4	16	Pakistan	6
	Hong Kong SAR,				
6	China	1	17	Philippines	36
7	India	21	18	Sri Lanka	4
8	Indonesia	6	19	Thailand	14
9	Korea	1	20	Vietnam	6
10	Japan	1	21	Timor Leste	1
11	Lao PDR	3			

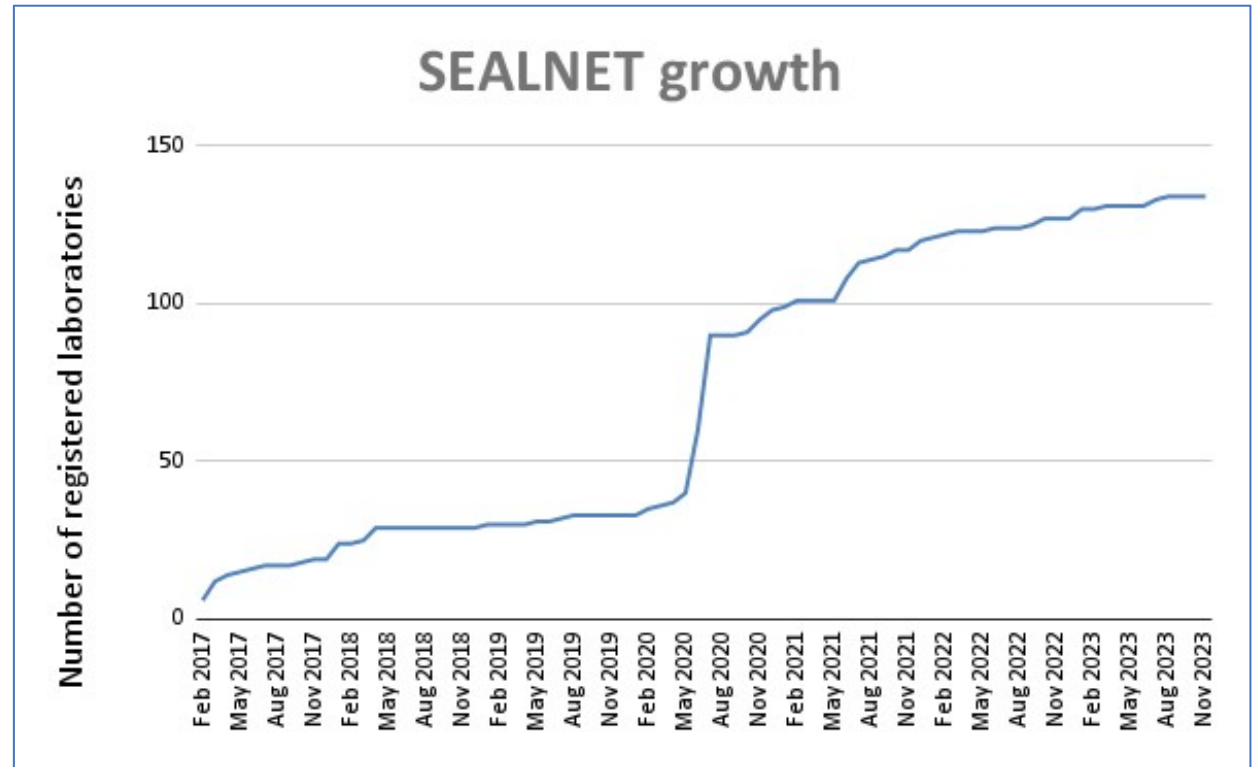


- Total **134** registered laboratories from **21** countries under SEALNET till now



# New Governance of SEALNET

- Launched in 2017
- 2023-2025 Governance:
  - Chair: Dr. Pushpajeet Lokpal Choudhari (India)
  - Vice-Chair: Dr. Derrick Lai (China)
- Steering Committee:
  - Gina P. Nilo (Philippines)
  - Chilamkurthi Sreenivas (India)
  - Nopmanee Suvannang (Thailand)
  - Renuka Silva (Sri Lanka)
  - Jamyang (Bhutan)
  - Husnain (Indonesia)





# Webinar on “Labs and kits: insights on soil analysis”

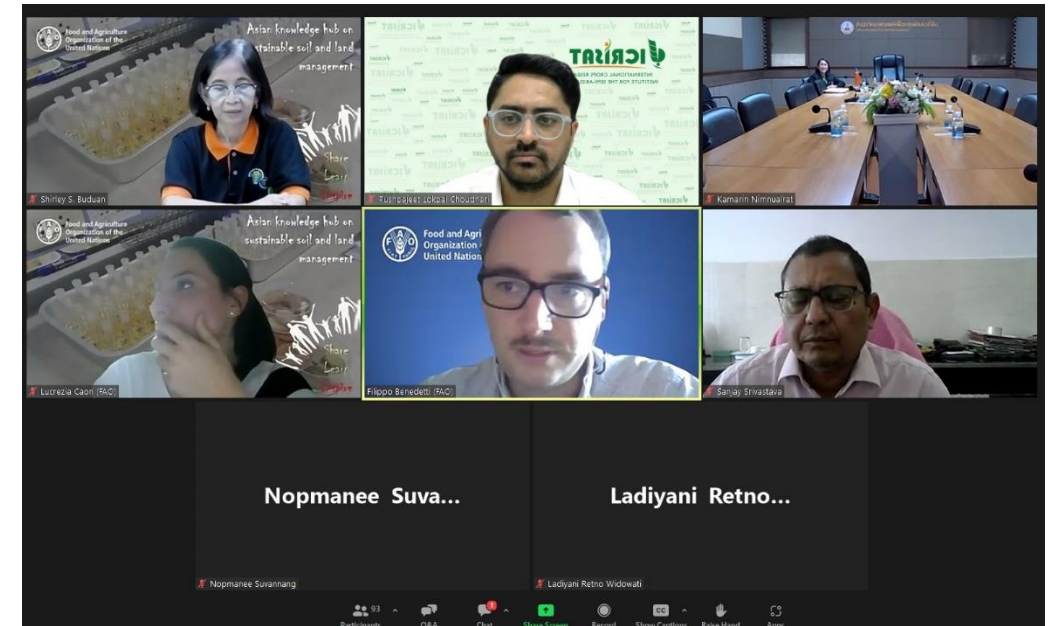
## Objectives:

- To support countries on the development of reliable soil testing kits (STKs) by closing the gap between STKs and soil laboratories
- To initiate the discussion on soil testing kits harmonization at the regional level.

**Organized & Steered:** Ms. Lucrezia Co-ordinator, Centre of Excellence for Soil Research in Asia (CESRA) and Mr. Filippo, GLOSOLAN co-ordinator

## Discussions:

- National STKs from 4 countries (Thailand, India, Indonesia, Philippines) were presented and openly discussed
- Panel discussions on possibilities, steps, and challenges for harmonization of STKs at the regional level
- Tips and tricks on STKs development, maintenance and use



7<sup>th</sup> Meeting of the **Global Soil Laboratory Network (GLOSOLAN)** | 21-23 November 2023



# SEALNET PT 2023

- Led by the Bureau of Soil and Water Management of the Philippines (BSWM)
- Targeted soil parameters:
  - Organic carbon
  - pH
  - Available phosphorous
  - Total nitrogen
  - Exchangeable potassium
  - Particle size distribution



- Expected participants: about 125 laboratories in Asia
- Launch: end of November 2023

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# Way forward

- Conduct cross-learning workshops for SEALNET laboratories on digital soil monitoring in 2024
- Organize and disseminate technical and scientific knowledge through webinar series led by Asian Knowledge Hub
- Co-develop “Monitoring, Reporting and Verification (MRV)” platform for tapping the carbon credit potential in Asian soils
- Piloting *Asian Soil Health Action Framework* (SHARP) which will strengthen national soil health strategies connecting soil health to one health





Food and Agriculture  
Organization of the  
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**THANK YOU**

