



2nd Lab Managers Meeting-cum-Workshop of the South-East Asia Laboratory NETWORK (SEALNET)

Quality improvement in Asian soil laboratories: towards standardization and harmonization of soil analysis and their interpretation

(19-23 November 2018)

at

ICAR-Indian Institute of Soil Science, Bhopal, India



IMPORTANT DATES

Announcement	: June 15, 2018
Expression of Interest	: October 31, 2018
Intimation to participants	: November 10, 2018

ORGANIZED BY

ICAR-Indian Institute of Soil Science (Bhopal), India
South-East Asia laboratory Network
Food and Agriculture Organization, Rome

ABOUT SEALNET

Soil is an essential resource and a vital part of the natural environment from which most of the global food is produced. Although the importance of soils is clear but it has not received due attention in terms of its use and management. Rather, it has been often considered as an infinite resource that will always be able to provide us with its ecosystem services. However, this is not the case and there is an urgent need to raise awareness on the importance of soil. In this context, the Global Soil Partnership (GSP) was established in Food and Agricultural Organization, Rome in December 2012 as a mechanism to develop a strong interactive partnership and enhanced collaboration and synergy of efforts between all stakeholders. One of the key objectives of the GSP is to improve the governance and promote sustainable management of soils. The GSP addresses five pillars of action to be implemented in collaboration with its regional soil partnerships. Following the endorsement of the global implementation plan for Pillar 5 in June 2017 and the launch of the Global Soil Laboratory Network (GLOSOLAN) on 1-2 November 2017, the Regional Soil Laboratory Network (RESOLAN) for Asia was established on 20-24 November 2017. In order to take advantage of the already existing regional networks and activities on the harmonization of soil laboratory methods, the network was named as the South-East Asia Laboratory Network (SEALNET).

AIM

Soil analysis/testing laboratories in India and other Asian countries are currently using a large variety of analytical methods and interpretation criteria that lead to different results and recommendations for same soil samples. Therefore, harmonization of laboratory methods and analysis techniques for the purpose of interoperability and sharing soil data globally is very important. SEALNET aims to (1) calibrate and harmonize soil testing procedures and practices in laboratories in the ASEAN and wider Asian regions in the context of the Asian Soil Partnership, (2) set up a regional inter-laboratory proficiency program to implement quality assurance/control (QA/QC) procedures and processes and, (3) provide training and capacity building for lab

staff. Ultimately, the same soil test result should be obtained for the analysis of the same soil sample carried out in different laboratories, and the same interpretation should be provided for these soil test results. The meeting cum workshop would revolve around the following themes:

- Indian Government Soil Health Card Scheme: Protocols for sampling and analysis; interpretation of results and farmers' field level impact
- Internal quality control
- Ring test analysis
- Standardization and harmonization

STRATEGY

The strategy of SEALNET relies on (1) facilitating contacts and networking, (2) developing harmonized Standard Operating Procedures (SOPs) for key soil tests, (3) providing training and capacity building for lab staff-workshops and technical communications, and (4) implementing a regional inter-laboratory proficiency program to facilitate harmonized QA/QC in labs.

CALL FOR PARTICIPATION

SEALNET is for lab managers. Lab managers from different Asian countries are invited to present the soil testing programmes/procedures/protocols etc. followed in their lab. However, since the meeting-cum-workshop is being held in India, it is an opportunity for the soil laboratory incharges of different state department of agriculture, incharges of *Krishi Vigyan Kendras* to participate in this meeting-cum-workshop and share their lab procedures and protocols. The participation may be in the form of poster presentations. Besides, private sector/public sector companies having their soil testing laboratories are also invited who would showcase the latest technologies of soil health assessment including mobile labs, mini labs and sensor based technologies.

ACCOMMODATION

Limited accommodation is available in the ICAR Guest Houses (ICAR-CIAE and ICAR-IISS). However, the delegates may have to stay in the hotels and private guest houses. A wide range of hotels and guest houses are available in Bhopal near the institute. The likely tariffs range from Rs 1500-5000/.

ABOUT BHOPAL

A sprawling and picturesque capital city of Madhya Pradesh, India, is well connected by air, rail and roadway to different parts of country. The Raja Bhoj Bhopal airport is located at a distance of 8 km from the Campus. Participants travelling by train/bus should alight at Bhopal railway station/Bhopal bus stand from where taxi/auto - rickshaws can be hired to reach ICAR-IISS Campus located near Karond Chouraha on Berasia Road at a distance of 8 km from railway station and 7.5 km from Bus stand. The climate is pleasant during the month of November, the temperature ranges between 15 to 27 ° C. Light woollen clothing are recommended.

ABOUT ICAR-INDIAN INSTITUTE OF SOIL SCIENCE

The Indian institute of Soil Science (ICAR-IISS) was established on 16th April, 1988 at Bhopal with a mandate of "Enhancing Soil Productivity with Minimum Environmental Degradation". To accomplish the mandate of the institute, it has given the priority to soil health related issues faced by farmers and other stakeholders. IISS has emerged as a leader in basic and strategic research in the areas of integrated nutrient management, soil test based nutrient prescriptions, soil quality, GIS based soil fertility maps, carbon sequestration in soils, organic farming practices, soil microbial diversity and biofertilizers, rapid composting of wastes, quality standards for municipal solid waste composts and improving the sink capacity of soils for heavy metal pollutants.

REGISTRATION FORM

2nd Lab Managers Meeting-cum-Workshop of the South-East Asia Laboratory NETWORK (SEALNET)

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Delegate details

Name:-----

Designation:-----

Organization:-----

Mailing Address:-----

Phone/Mobile-----

E-mail: -----

Participation in Scientific session

I plan to contribute Poster Demonstration None

Title -----

Date: ----- Signature

PLEASE RETURN THE REGISTRATION FORM TO:

Director

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Or

Organizing Secretary

2nd Lab Managers Meeting-cum-Workshop of SEALNET

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CHIEF PATRON

Dr. Trilochan Mohapatra, Secretary, DARE and DG, ICAR

PATRON

Dr. K. Alagusundaram, DDG (Ag. Engg. & I/c NRM), ICAR, New Delhi

Dr S. K. Chaudhari, ADG (SWM), NRM, ICAR, New Delhi

INTERNATIONAL REPRESENTATION

Ms. Lucrezia Caon, FAO, Rome

Ms. Nopmanee Suvannang, Land Development Department (LDD), Bangkok, Thailand

Mr. Christian Hartmann, Institut de Recherche pour le Développement, France

Dr. Phil Moody, ASPAC, Australia

Dr. Jamyang, Soil Plant Analytical Laboratory, Bhutan

ORGANIZING COMMITTEE

Dr. Ashok K Patra, Director, Chairman

Dr. Pradip Dey, PC, STCR, Member, Co-Chairman

Dr. A. K. Biswas, HOD (SCF), Member, Co-Chairman

Dr. M. C. Manna, HOD (Soil Biology)

Dr. Ajay, PS, Member

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Sh. Neeraj Tahiliani, FAO, Member

Sh. Thomas Joseph, SPS, Member

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