

5<sup>th</sup> Meeting of the  
**Asian Soil Laboratory  
Network**  
(SEALNET)

20 October 2021

# Inter-laboratory proficiency testing (ILPT)

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**SEALNET**  
ASIAN SOIL LABORATORY NETWORK

# Inter-laboratory proficiency testing (ILPT)

**Many documents: SOPs, videos,  
booklets with recommendations, etc...**

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**How can you be sure you perform  
correctly ?  
in a comparable way ?**

# Inter-laboratory proficiency testing (ILPT)

Many documents: SOPs, videos,  
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How can you be sure you perform  
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**participate to ILPT to check  
your performances!**

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# First Inter-laboratory Comparison Report

of the Regional  
Soil Laboratory  
Network for Asia

## SEALNET



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# need of ILPT providers

First Inter-laboratory  
Second Comparison  
Third Report  
Fourth  
Fifth  
Sixth  
etc.

of the Regional  
Soil Laboratory  
Network for Asia  
CALNET

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# need of ILPT providers

not only needs motivated  
but also **skilled labs**

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ILPT has very limited cost but...  
need some **specific instruments**



# need of ILPT providers

not only needs to be motivated  
but also **skilled labs**

ILPT has very limited cost but...  
need some **specific instruments**

→ **every lab can learn**

→ **every lab should do it for its internal quality control**



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## **Global Soil Laboratory Network**

***Basic guidelines for preparing  
a sample for internal  
quality control***



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## Sample preparation process

- Sample collection
- Initial drying
- Disaggregation
- Screening/sieving
- Secondary drying
- Milling

## Homogenization

## Sub dividing

## Homogeneity assessment

## Packaging & labeling

## Storage

## Confidentiality

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## Global Soil Laboratory Network

### *Basic guidelines for preparing a sample for internal quality control*



## Sample preparation process

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## Sample preparation process

### Homogenization





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## Global Soil Laboratory Network

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Sample preparation process

Homogenization

Sub dividing



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Sample preparation process

Homogenization

Sub dividing

Homogeneity assesment

**analyse 1 parameter  
+  
STATISTICS**

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**Sample preparation process**

**Homogenization**

**Sub dividing**

**Homogeneity assessment**

**Packaging & labeling**







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# **Inter-laboratory proficiency testing (ILPT)**

**need of ILPT providers**

**which  
laboratories  
are volunteer to do the job?**



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