



Food and Agriculture
Organization of the
United Nations

3rd Meeting of the
**Regional Soil Laboratory
Network for Africa**
(AFRILAB)

18 October 2021

Inter-laboratory proficiency testing (ILPT)

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Inter-laboratory proficiency testing (ILPT)

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

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

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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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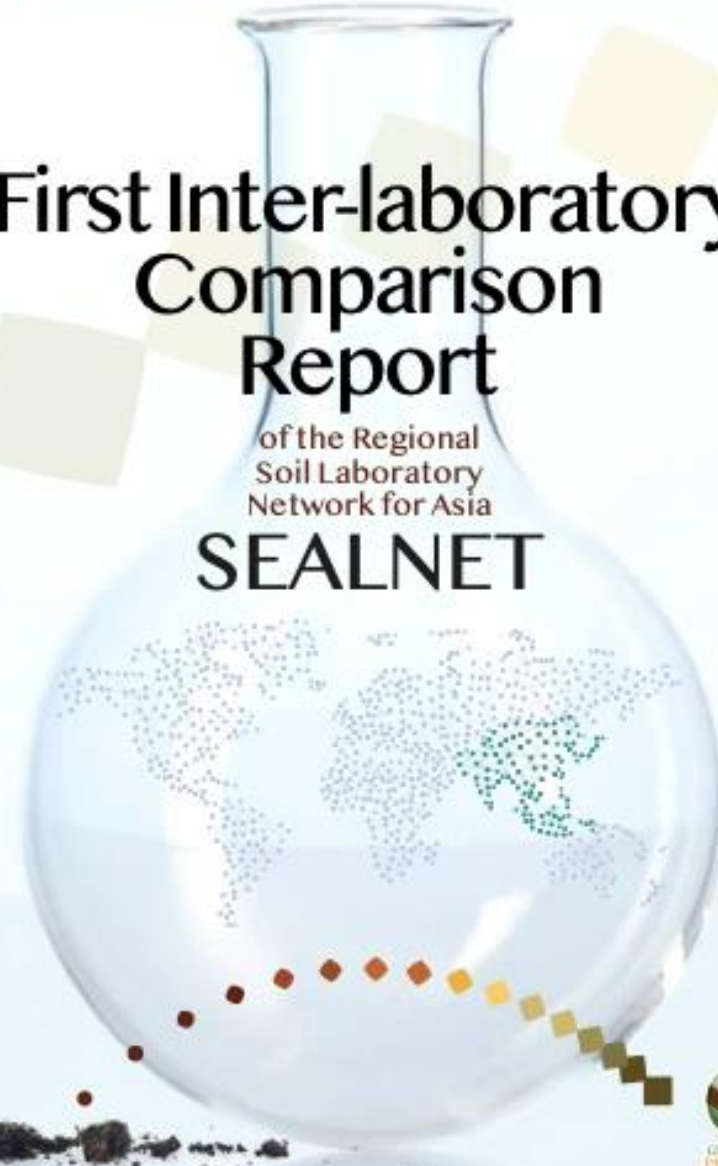


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First Inter-laboratory Comparison Report

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

need of ILPT providers

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

need of ILPT providers

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

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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***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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*Basic guidelines for preparing
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Sample preparation process

Homogenization

Sub dividing

Homogeneity assesment

**analyse 1 parameter
+
STATISTICS**

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need of ILPT providers

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



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