

# 4<sup>th</sup> Meeting of the Latin American Soil Laboratory Network (LATSOLAN)

22 October 2021

# Inter-laboratory proficiency testing (ILPT)

**Christian Hartmann & Nopmanee Suvannang** 







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



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

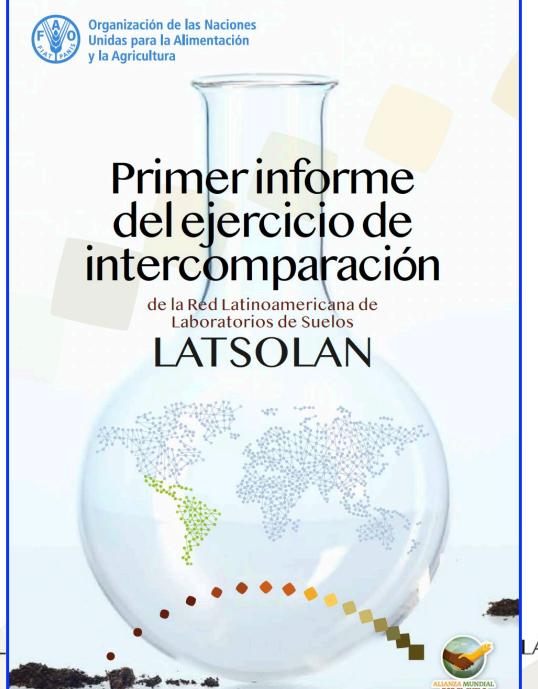


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How can you be sure you perform correctly?
in a comparable way?

participate to ILPT to check











### not only needs motivated but also skilled labs



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



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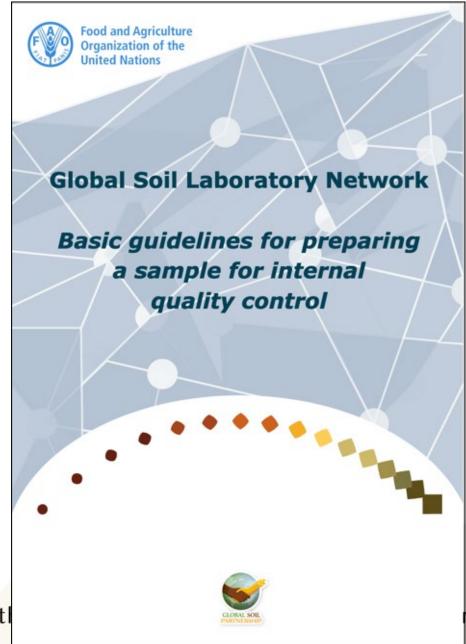
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- every lab can learn
- every lab should do it for its internal quality control









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

Homogenization

**Sub dividing** 

**Homogeneity assessment** 

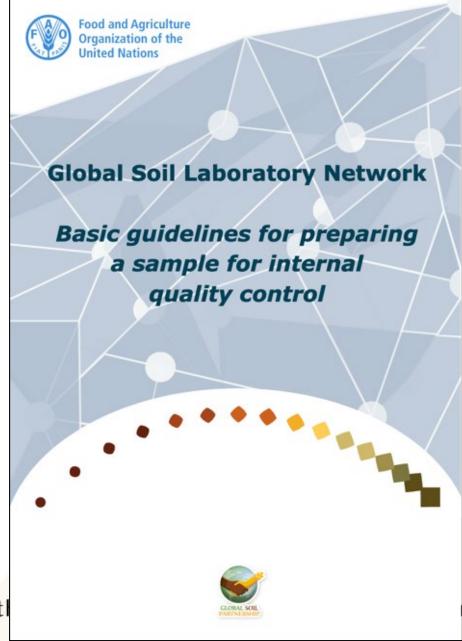
**Packaging & labeling** 

**Storage** 

Confidentiality

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Homogenization

**Global Soil Laboratory Network** 

Basic guidelines for preparation a sample for internal quality control









Homogenization

**Sub dividing** 

**Global Soil Laboratory Network** 

Basic guidelines for preparation assumption of the second second









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**Homogeneity assessment** 

# analyse 1 parameter + STATISTICS





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### need of ILPT providers

which laboratories are volunteer to do the job?



