



Food and Agriculture
Organization of the
United Nations

5th Meeting of the **European and Eurasian Soil Laboratory Network** (EUROSOLAN)

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Projects of regional interest: proposals collection

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Brief proposal

- This initiative presents an opportunity to establish a **regionally** representative soil database that will benefit land management, agriculture, and environmental conservation efforts;
- Reliable and comprehensive soil information from various sources may be provided by leveraging standardized soil analysis methods;
- National Reference Laboratories and National Soil Laboratories are involved;
- NASOLANs are crucial for the success of the project; their expertise, resources, and local knowledge would enhance the project's credibility and relevance to the **regions** involved.

EUROSOLAN Regional Soil Testing Initiative

General aims:

- To establish a comprehensive, regionally representative database of soil types through the collaboration of National Reference Laboratories and NASOLANs
- To ensure the uniformity and accuracy of the soil analysis results by applying GLOSOLAN and other internationally recognized standard methods

Activities

- The collection and testing of soil samples from various European **regions*** using standard methods for soil analysis from internationally recognized sources such as ISO, Lucas, ICP Forests, GLOSOLAN, including spectroscopy;
- Specific methods or group of methods of regional importance should be proposed by NASOLANs;
- The resulting data will support regional land management, agriculture, environmental initiatives ...

Foreseen outcomes

- creation a regionally representative soil database by collecting and analyzing soil samples/soil types from diverse geographic regions;
- soil samples should be collected from different regions, considering factors such as soil type, climate, and land use;
- the uniformity and accuracy of the soil analysis results by applying internationally recognized standard methods ensured, including a systematic sampling plan designed to ensure representative samples;
- possibility of using these soil samples in regional PT schemes.

Soil analysis

- The soil samples can be tested for various properties, including but not limited to pH, organic matter content, nutrient levels, heavy metal concentrations, and soil texture;
- Standard or specific regionally important methods for soil analysis and spectroscopy can be applied for consistent/comparable and reliable results;
- Quality control measures implemented throughout the analysis process.

Open questions

- Methods proposal by EUROSOLAN members, NASOLANs or National Reference Laboratories;
- Regionally tailored/organized and performed PTs;
- Storage and management of collected soil analysis data;
- Data sharing and accessibility for relevant laboratories, stakeholders and institutions;
- Promotional/educational activities to raise awareness and promote the use of the tested analytical methods and collected soil data by applying such methods;
- Funding sources?

Potential benefits

- Proposed approach can serve as a model for soil testing initiatives in other regions worldwide, which is important for GLOSOLAN;
- Because an uniform global approach to soil analysis can sometimes overlook the unique regional needs and conditions that affect soil properties and land use;
- By recognizing the importance of tailoring methods to local contexts, this initiative can set a precedent for other regions;
- Potential to create a blueprint that can be adapted and implemented in diverse regions globally.



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Looking forward for your contribution in the
project/activity development!

Thank you!

