GLOSOLAN workplan for 2024

Miriam Ostinelli, GLOSOLAN Chair

7th Meeting of the Global Soil Laboratory Network (GLOSOLAN)
Monitoring laboratories needs and capacities

Launch of the **GLOSOLAN global assessment 2023-24** (*GLOSOLAN coordinator*)

Questions on:

- Status of laboratories and national analytical capacity
- Number of samples processed per year and main customers
- Quality control measures adopted
- SOPs adoption
- Measurement of specific groups of parameters (e.g., soil fauna, pollutants, salinity)
- Soil spectroscopy
- Health and safety and waste disposal
- Capacity building
- Main needs

**To be launched between December 2023 and January 2024**

7th Meeting of the **Global Soil Laboratory Network** (*GLOSOLAN*) | 21-23 November 2023
Health and Safety in the laboratory

• Continue the delivery of PPE
  **GLOSOLAN coordinator**
  Second half of 2024

• Webinars on risk assessment
  **GLOSOLAN working group and Technical Committee**
  In various languages throughout 2024

• Publication of the guidelines on reagents disposal
  Ready, to be finalized (GLOSOLAN coordinator)
  By January 2024
Quality Control

- Webinars: calibration, PT organization, etc. *GLOSOLAN coordinator to facilitate*
  
- Cookbook on statistical analysis
  
  *Draft ready (GLOSOLAN Technical Committee)*
  
- Support the organization of national PTs
  
  *GLOSOLAN Governance + GLOSOLAN coordinator*
  
  **Continuous activity**

- Implement regional PTs in Asia, NENA+Africa, Eurasia
  
  *(RESOLAN Governance + GLOSOLAN coordinator)*

- In various languages throughout 2024

- By the first quarter of 2024

- If you are interested to organize a national PT, please write in the chat or contact Filippo (filippo.benedetti@fao.org)

- Eurasia: ongoing
- Asia: to be launched by January 2024
- Africa+NENA: call to be launched by December 2023

7th Meeting of the Global Soil Laboratory Network (GLOSOLAN) | 21-23 November 2023
Equipment

• Procurement of basic equipment (e.g., pipette, standard weights, balances, etc.)
  → Establish selection criteria
  *GLOSOLAN governance + GLOSOLAN coordinator*

• Webinar on equipment purchasing, use and maintenance
  *RESOLAN to facilitate*

Second half of 2024

In various languages throughout 2024
**SOPs**

- **Finalize** pending SOPs  
  *GLOSOLAN coordinator + established working groups*

- **Review** GLOSOLAN SOPs  
  *Working group + other networks + GLOSOLAN Technical Committee*

- **Translate** GLOSOLAN SOPs (French, Spanish, Portuguese, Arabic, Chinese)  
  *RESOLANs to facilitate*

- **Transfer functions** (+ validation data)  
  *GLOSOLAN Technical Committee and volunteering laboratories*

- **Comparison** exercise between GLOSOLAN SOPs and **ISO** protocols  
  *GLOSOLAN Technical committee*

- **Comparison** exercise between GLOSOLAN SOPs and **national standards**  
  *National Reference Laboratories and NASOLANs*

- **Raise the awareness** on GLOSOLAN SOPs  
  → adoption through national/international laws/directive  
  *GSP Secretariat to liaise with the Focal Points*

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**Continuous activity throughout 2024**

- 4 pending SOPs published by the first quarter of 2024
- 2 SOPs reviewed by the first quarter of 2024
- Translation of 4 SOPs in FR, ES, PT by June 2024

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Collaborations

• INSAS, INSOP, NETSOB, INSOILFER (GLOSOLAN Chair + vice-Chair)

• IGC of ISSPA (GLOSOLAN governance to decide who to delegate)

• FAO’s Symposium on soil information and data 2024 (GLOSOLAN governance and coordinator)

7th Meeting of the Global Soil Laboratory Network (GLOSOLAN)
RESOLANs  

- Consider the proposal to establish **thematic working groups** (e.g. quality control, health and safety, etc.)
  
  *RESOLAN governances*

- Consider **in-person** training and workshops

  *RESOLAN governances + GLOSOLAN coordinator*

- Continue supporting the establishment of national soil laboratory network (**NASOLANs**)  
  
  *RESOLAN governances*

- Foster the collaboration with ASPAC to support lab in the **Pacific**

  *GLOSOLAN coordinator*
Laboratory management

• Organization of other webinars on glassware washing (GLOSOLAN Coordinator to find speakers) In various languages throughout 2024

• **Guidelines** on glassware washing (GLOSOLAN Technical Committee) Guidelines published by the first half of 2024

• Develop a matrix to be used as an **example** for the Laboratory Information Management Systems (LIMS) to be uploaded on the GLOSOLAN website (GLOSOLAN Technical Committee) By the first quarter of 2024

• Webinar for laboratory **managers** on how to organize continuous training of the lab staff members (GLOSOLAN Coordinator to find speakers) In various languages throughout 2024
Others

• GLOSOLAN lab calendar 2024: call for photos
  GLOSOLAN coordinator + GLOSOLAN governance to select the material

  Deadline to send your photos: 10 December.
  Calendar to be launched by the end of 2023

• 8th GLOSOLAN meeting 2024 format: hybrid? In China?