



Food and Agriculture
Organization of the
United Nations

21-23 November 2023

GLOSOLAN workplan for 2024

Miriam Ostinelli, GLOSOLAN Chair

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



GLOSOLAN
GLOBAL SOIL LABORATORY NETWORK



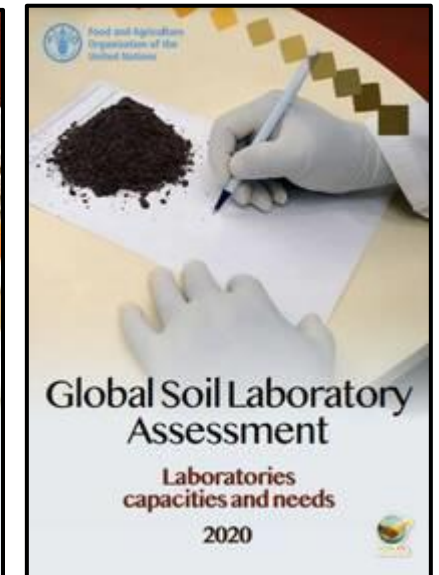
Monitoring laboratories needs and capacities

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**



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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

In various languages
throughout 2024

- Cookbook on statistical analysis
Draft ready (GLOSOLAN Technical Committee)

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)

- Support the organization of national PTs
GLOSOLAN Governance + GLOSOLAN coordinator

Continuous activity

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

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

Equipment



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

Second half of 2024

- Webinar on equipment purchasing, use and maintenance
RESOLAN to facilitate

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



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

Collaborations



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

Continuous activity

- IGC of ISSPA
(*GLOSOLAN governance to decide who to delegate*)

GLOSOLAN Governance meeting
to be held in December 2023
and a representative to IGC nominated

- FAO's Symposium on soil information and data 2024
(*GLOSOLAN governance and coordinator*)

GLOSOLAN Governance meeting
to be held in December 2023:
Representative of GLOSOLAN to be
nominated for the symposium Scientific
Committee (if interested, contact Filippo)

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

RESOLANs

Continuous activity



- 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

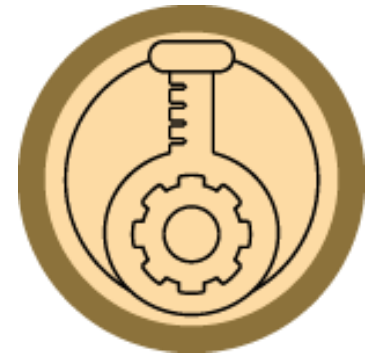
- Organization of other webinars on glassware **washing**
(*GLOSOLAN Coordinator to find speakers*)
In various languages throughout 2024
- **Guidelines** on glassware washing
(*GLOSOLAN Technical Committee*)
Guidelines published by the first half of 2024
- Develop a matrix to be used as an **example** 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?





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