



Mr. Filippo Benedetti GSP Secretariat 6th Meeting of the Global Soil Laboratory Network (GLOSOLAN)



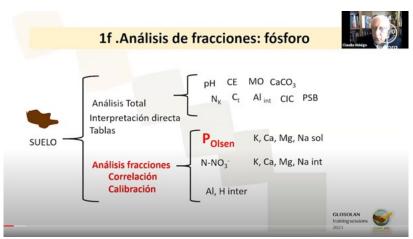


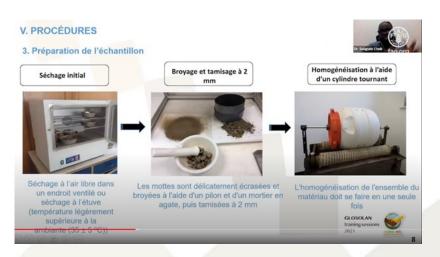
#### Work done so far

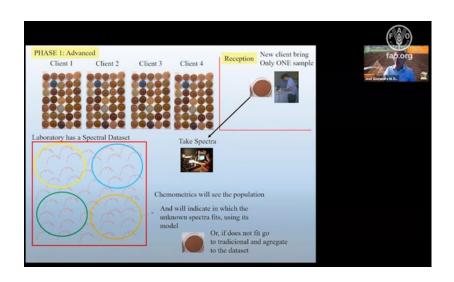
- Around 55 webinars implemented in 2021-22
- Languages:
  - English
  - French
  - Arabic
  - Spanish
- Over 4000 participants
- Topics:
  - SOPs implementation
  - Soil spectroscopy
  - QA/QC
  - Sample preparation
  - Health and safety

All material (presentations, video recording, is available at:

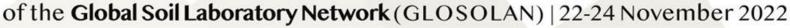
https://www.fao.org/global-soilpartnership/glosolan-old/capacitydevelopment/en/





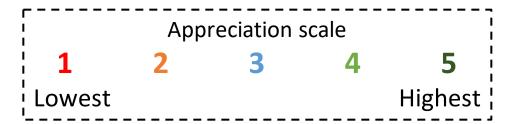


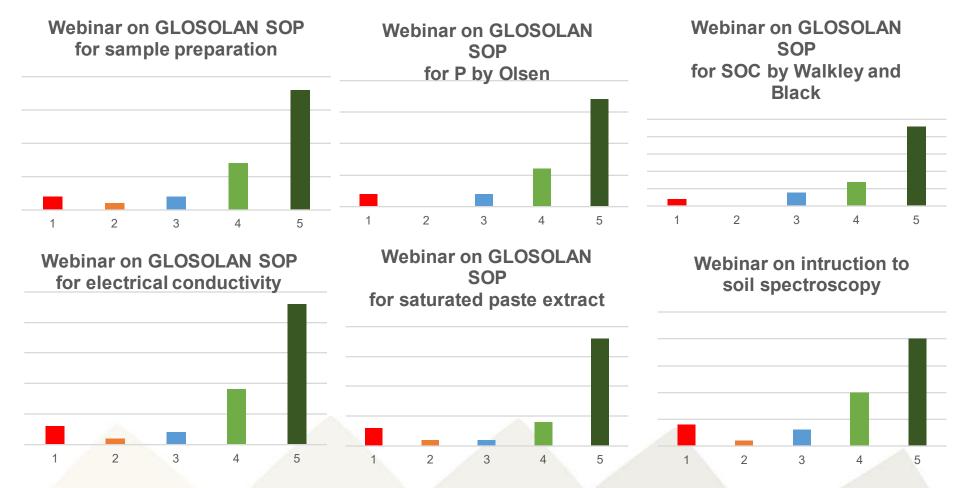






# Survey outcomes







#### Future activities





#### Webinar on instrument calibration

- PT outcomes: sometimes errors are caused by instruments
- Starting from the basic instruments (pH-meter, oven, scale)





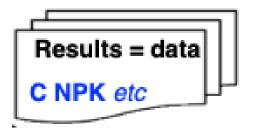
# Webinar on data interpretation



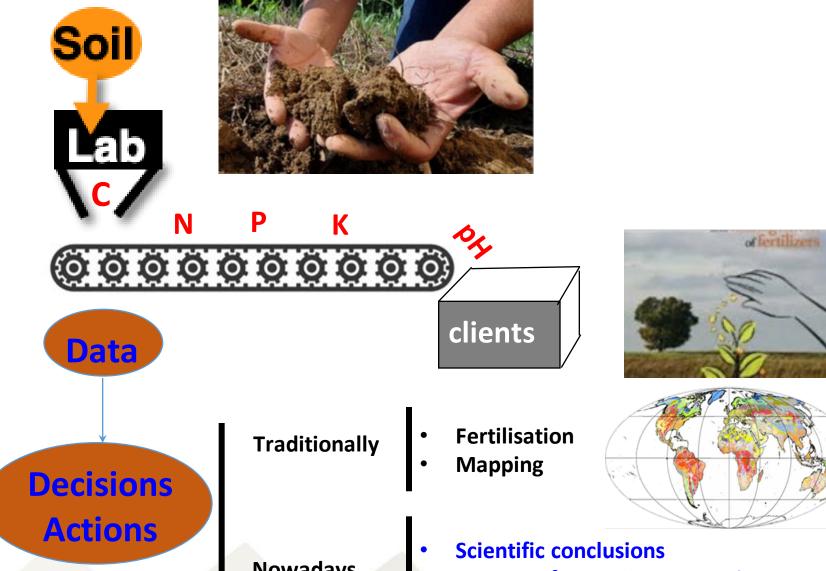


#### **Laboratories:**

'factories' producing data







- **Nowadays**
- **Payment for ecosystem services**





### Webinar on data management

- How to store data in the laboratory: datasets building
- Digitalization
- Applications: soil thematic mas and soil assessments
- To be done in collaboration with

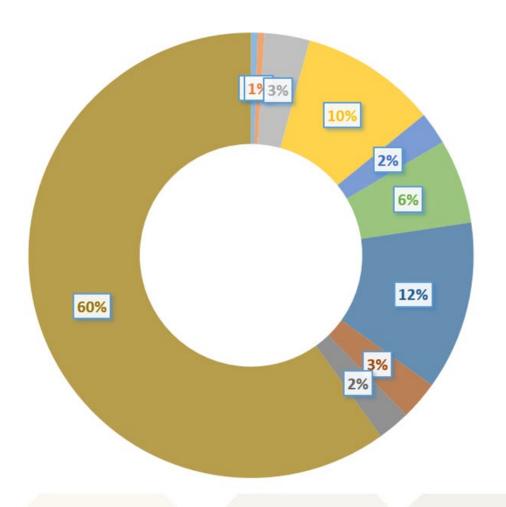




# Webinar on PT setting and participation



#### Labs participating to the GLOSOLAN PT 2022



- No, we had no interest in participating on it / we did not see the added value of participating in a proficiency test
- No, we are afraid to participate because we do not know how the PT results and the analysis report on our lab performance will be used by GLOSOLAN. We fear to be judged by others if our performance is not satisfactory.
- No because we could not get the soil samples to pass through customs
- No, by the time we registered in GLOSOLAN the registration to participate in the PT 2022 was already closed. However, if possible, we would like to participate in future PTs
- No, this PT focuses on analysis not performed in my laboratory
- No, we have technical problems (e.g. lack of reagents, equipment malfunctioning, lack of staff, closure of the lab, etc.) that are affecting our participation
- No, we just registered in GLOSOLAN and did not know about this exercise. However, if possible, we would like to participate in future PTs
- No, we prefer to participate on PTs organized by other institutions
- No, we wanted to participate but we do not have the equipment to do the SOPs that were requested in this PT

Yes



# Webinar on PT setting and participation

#### How to set a PT

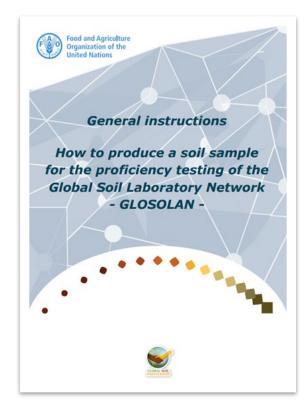
- Which soil parameters to target (and by which method)
- Call for participants
- Sample preparation + sterilization + shipment
- Data collection (GLOSOLAN platform)
- Data processing (statistical analysis)
- Results delivery + overall conclusions
- Actions to be taken
- Technical details



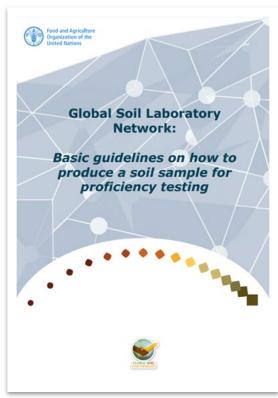




#### Webinar on PT set and participation



General instructions on how to produce a sample for the GLOSOLAN PT



Basic guidelines on how to produce a soil sample for proficiency testing

EN | ES | RU | TR



Basic guidelines for preparing a sample for internal quality control

EN ES



# Any other requests/suggestion? Any volunteer?



