



Food and Agriculture
Organization of the
United Nations



GLOBAL SOIL
PARTNERSHIP



**Third meeting of the
Global Soil Laboratory Network (GLOSOLAN)**

28-30 October 2019

FAO HQ | Rome, Italy

Monday, 28 October 2019 - Iraq room (A235)		
12:30 – 13:00	Registration	
13:00 - 13:20	Opening	Mr. Eduardo Mansur, CBL Director, FAO Ms. Nopmanee Suvannang, GLOSOLAN Chair
13:20 – 13:25	Endorsement of the Agenda	Ms. Lucrezia Caon, GLOSOLAN coordinator, FAO
13:25 – 13:40	Tour de table <i>Each participant to introduce themselves and state why they are interested in GLOSOLAN and what are their laboratory/country needs</i>	All
13:40 – 14:00	Item 1: Report of the work performed by GLOSOLAN in 2018-2019	Ms. Nopmanee Suvannang, GLOSOLAN Chair
Regional Soil Laboratory Networks (RESOLANs)		
14:00 -14:20	Item 2: Report from the Asian Soil Laboratory Network (SEALNET)	Mr. Jamyang, SEALNET Chair
14:20 – 14:40	Item 3: Report from the Latin American Soil Laboratory Network (LATSOLAN)	Ms. Floria Bertsch, LATSOLAN Chair
14:40 – 15:00	Item 4: Report from the African Soil Laboratory Network	Mr. Joseph Uponi, AFRILAB Chair
15:00 – 15:30	Coffee break	
15:30 – 15:50	Item 5: Report from the Pacific Soil Laboratory Network (ASPAC)	Mr. Rob De Hayr, ASPAC Chair
15:50 -16:10	Item 6: Report from the European and Eurasian Soil Laboratory Network (EUROSOLAN)	Mr. Giorgi Ghambashidze, EUROSOLAN Chair
16:10 – 16:30	Item 7: Report from the Near East and North African Soil Laboratory Network	Mr. Karim Shahbazi, GLOSOLAN Iran
16:30 – 17:00	Item 8: Plenary Discussion Q&A	Ms. Lucrezia Caon, GLOSOLAN coordinator, FAO

Tuesday, 29 October 2019 - Iraq room (A235)		
Ring test		
9:00 – 9:30	Item 9: Report on the results of the GLOSOLAN PT 2019	Mr. Christian Hartmann, IRD France
9:30 – 10:00	Item 10: Q&A and way forward	Moderator: Ms. Lucrezia Caon, GLOSOLAN coordinator, FAO
10:00 – 10:30	Item 11: Discussion on PT and internal control documents <ul style="list-style-type: none"> - Survey to identify potential samples providers (document 11a) - Basic guidelines on how to produce a sample for internal control and proficiency testing (document 11b) - Individual laboratory schedule reporting (document 11c) and criteria to identify labs participating in global PT 	Mr. Charles Gowing, British Geological Survey and Mr. Christian Hartmann, IRD France
10:30 – 11:00	Coffee break	
11:00 – 12:00	Item 11: Discussion on PT documents [continuation]	Mr. Charles Gowing, British Geological Survey
Standard Operational Procedures (SOPs)		
12:00 - 12:30	Item 12: Review of the procedure to prepare and validate SOPs	Ms. Nopmanee Suvannang, GLOSOLAN Chair
12:30 – 12:40	Side event anticipation: “Promoting standardized and Earth Observation-aware Soil Spectral Libraries for land monitoring: Lessons learned from GEO-CRADLE and the EuroGEO perspective”	Mr. George Zalidis, Aristotle University of Thessaloniki
12:40 – 14:00	Group picture in the FAO atrium and Lunch break	
14:00 – 15:00	Item 13: SOP on sample pre-treatment	Mr. Charles Gowing, British Geological Survey
15:00 – 16:00	Item 14: SOP on Organic Carbon by Walkley and Black	Ms. Gina Nilo, SEALNET Philippines
16:00 – 18:00	Side event on spectroscopy with walking coffee 16:00 – 16:15 Introduction to spectroscopy by Mr Richard Ferguson, USDA 16:15 – 17:15 National experiences: <ul style="list-style-type: none"> • “Specsolo: Scalable soil carbon analytical platform by FT-NIRS & machine learning” by Daniel Vidal Pérez, EMBRAPA, Brazil • “Deploying ICP into Work” by Egon Hirvesoo, Estonia • “The use of atomic spectroscopy for environmental monitoring (soil, plant materials, natural waters)” by Elena Shamrikova, Ecoanalytical laboratory, IB Komi SC UB RAS, Russia • Joseph Uponi, IITA, Nigeria 	

- *“Danish soil spectral library”* by Maria Knadel, Aarhus University, Denmark
- *“Calibration in spectroscopy: how to reduce the matrix effect in soil analysis?”* by Marija Romić, University of Zagreb Faculty of Agriculture, Croatia
- *“Using MIR spectroscopy to predict soil organic carbon and soil organic matter for the soil survey program in the USA”* by Richard Ferguson, USDA, USA
- *“Soil Spectroscopy – to explain and predict different soil systems. How they function as a vehicle for plants, animals, microorganisms and humans interactions in geological changing environment”* by Thembinkosi Crocodile Mbedzi, Soil Science & Agricultural Engineering Laboratories, Zimbabwe

17:15 – 18:00

Open discussion

Wednesday, 30 October 2019 - Malaysia room (B227)		
8:30 – 9:30	Item 15: SOP on total carbon by dry combustion	Ms. Floria Bertsch, LATSOLAN Chair
9:30 – 10:30	Item 16: SOP on calcium carbonate equivalent by Calcimetry and Titrimetric Method	Mr. Karim Shahbazi, Iran
10:30 - 11:00	Coffee break	
11:00 – 12:00	Item 17: Plenary Discussion and Decision Making – SOPs to develop in 2019-2020	Moderators: Ms. Lucrezia Caon, GLOSOLAN coordinator, FAO & Ms. Nopmanee Suvannang, GLOSOLAN Chair
12:00 – 12:20	Item 18: Development of transfer functions – progresses, needs and way forward	Mr. Richard Ferguson, USDA
12:20 – 13:00	Item 19: Open discussion	Moderators: Mr. Richard Ferguson, USDA & Ms. Nopmanee Suvannang, GLOSOLAN Chair
13:00 – 14:00	Lunch break	
Spectroscopy		
14:00 – 14:20	Item 20: Interactions between GLOSOLAN and the GSP Pillar 4	Mr. Yusuf Yigini & Mr. Christian Omuto, Pillar 4, GSP Secretariat
14:20 – 14:40	Item 21: Harmonizing spectroscopy: progresses, needs and way forward	Fenny van Egmond, ISRIC
14:40 – 15:30	Item 22: Plenary Discussion on spectroscopy	Moderators: Ms. Lucrezia Caon, GLOSOLAN coordinator, FAO & Ms. Nopmanee Suvannang, GLOSOLAN Chair
15:30 – 16:00	Coffee break	
16:00 – 16:15	Item 23: Development of the GLOSOLAN terminology and upcoming global surveys <ul style="list-style-type: none"> - Spectral soil data: needs and capacities questionnaire (leader, Fenny van Egmond, ISRIC) - The future of soil laboratory (leader EMBRABA, Brazil) 	Ms. Lucrezia Caon, GLOSOLAN coordinator, FAO
16:15 – 16:30	Item 24: GLOSOLAN governance, webpage, new partners	
16:30-17:00	Item 25: Review of the GLOSOLAN work plan and decisions for the year 2018-2019. Closure of the meeting	