



Food and Agriculture
Organization of the
United Nations



GLOBAL SOIL
PARTNERSHIP



First Meeting, 21-24 May 2019

Tribe Hotel, Nairobi, Kenya

Tuesday, 21 May 2019

8:30 – 9:00 **Registration**

9:00 – 9:20 **Item 1. Opening**

Mr Gabriel H.R. Rugalema, FAO Representative for Kenya

9:20 - 9:30 **Item 2. Tour de table and Endorsement of the agenda**

Session 1: National profiles. *Moderator: Ms. Lucrezia Caon, FAO*

9:30 – 9:45 **Item 3. Overview on the status of laboratories in RESOLAN-Africa**

Ms. Lucrezia Caon, GSP Secretariat

9:45 – 10:30 **Item 4. National laboratories' presentation (in alphabetic order)**

- **Botswana**, Soil And Plant Analytical Laboratory, Ms. Lesego Mooketsi-Selepe
- **Cameroon**, Laboratory Of Soils, Plants, Water And Fertilizer Analysis, Ms. Mfopou Mewouo Yvette Clarisse
- **Chad**, Laboratoire D'analyse Des Sols Eaux Et Plants, Ms. Namba Yotoudjim Fabienne
- **Ethiopia**, National Soil Testing Center, Mr. Haile Fikre Mekuria
- **Ghana**, Soil Research Institute Analytical Services Laboratory, Mr. Sadick Adams
- **Kenya**, National Agricultural Soil Laboratories, Ms. Anne Muriuki
- **Kenya**, University Of Eldoret Biotech Center, Mr. Odipo Osano
- **Kenya**, ICRAF, Mr. Elvis Weullow
- **Lesotho**, Soils Laboratory, Mr. Malefetsane Khesuoe
- **Malawi**, Soil And Plant Analytical Research Laboratory, Mr. Emmanuel Mbewe
- **Malawi**, Chitedze Soils Laboratory, Mr. Moses W. Munthali
- **Malawi**, FES – Agricultural Laboratory, Mr. Luca Desideri

Moderator: Ms. Lucrezia Caon, GSP Secretariat

10:30 – 11:00

Tea break and group picture

11:30 – 12:30

Item 4. National laboratories' presentation (in alphabetic order) – continuation

- **Mauritania**, Laboratoire De Pédologie Et Fertilisatio, Mr. Cheikh Ahmed El Moctar
- **Mozambique**, Laboratorio Regional De Analise De Solos E Plantas, Mr. Momade Ibraimo
- **Namibia**, Analytical Services and Product Development, Ms. Ella Shiningayamwe
- **Niger**, Laboratoire Sol, Eau, Plante Et Engrais, Mr. Abdourahaman Moustapha
- **Nigeria**, National Soil Laboratory, Federal Ministry Of Agriculture And Rural Development Kaduna, Mr. Williams Egbe
- **Nigeria**, International Institute Of Tropical Agriculture, Mr. Uponi Joseph
- **Rwanda**, Analytical Laboratory For Soil And Plant, Mr. Sirikare N. Sylvere
- **Togo**, Laboratoire Des Sols, Eau, Végétaux Et Engrais, Mr. Ani E. Sekou Samuel
- **Zambia**, ZARI, Ms. Belinda Kaninga
- **Zimbabwe**, Chemistry And Soils Reasearch Institute Laboratory, Mr. Misi Amos Manyanga
- **Zimbabwe**, Soil Science & Agricultural Engineering Laboratories, Mr. Takesure Tendayi

Moderator: Ms. Lucrezia Caon, GSP Secretariat

12:30 – 13:00

Item 5. Wrap up and discussion

13:00 – 14:00

Lunch and group picture

14:00 - 15:30

Item 6: Introduction to the Global Soil Laboratory Network (GLOSOLAN) and compilation of regional inputs on the network

Ms. Lucrezia Caon, FAO

15:30 – 16:30

Item 7: Poster exercise on Standard Operating Procedures and Quality Assurance

Give each group one challenge question to answer on the board. Each group should have 1 reporter.

Wednesday, 22 May 2019

Session 2: Standard Operating Procedures

- 8:30 – 9:30 **Item 8: Introduction to Standard Operating Procedures (SOPs)**
Moderator: Michael Watts, British Geological Survey, United Kingdom / Odipo
- 9:30 – 10:30 **Item 9: Implementing GLOSOLAN – Harmonization of SOPs on sample pre-treatment**
Moderators: Mr. Michael Watts and Ms. Lucrezia Caon
- 10:30 - 11:00 **Tea break**
- 11:00 – 13:00 **Item 10: Implementing GLOSOLAN – Harmonization of SOPs on inorganic carbon**
Moderators: Mr. Michael Watts and Ms. Lucrezia Caon
- 13:00 – 14:00 **Lunch**
- 14:00 – 16:00 **Item 11: Implementing GLOSOLAN – Harmonization of SOPs on organic carbon**
Moderators: Mr. Michael Watts and Ms. Lucrezia Caon
- 16:00 – 16:30 **Item 12: Review of the work and discussion**
Moderators: Mr. Michael Watts and Ms. Lucrezia Caon

Thursday, 23 May 2019 - Field Trip

Visit to National Agricultural Soil Laboratories (KALRO Soil Labs, Kebete) P.O. Box 14733 00800, Nairobi, Kenya

- Presentation of KALRO
- Visit to the laboratories and facilities

Visit to the ICRAF Soil-Plant Spectral Diagnostics Lab, UN Compound

- Welcome address and introduction to ICRAF work
- Short lecture on spectroscopy by ICRAF
- Visit to the laboratory and demonstration of use of spectroscopy equipment

Friday, 24 May 2019

Session 3: Proficiency Testing

- 8:30 – 9:30 **Item 13: Quality assurance – Giving confidence in analytical reliability**
Mr. Michael Watts, British Geological Survey, United Kingdom
- 9:30-10:30 **Item 14: Why is a Quality Management System useful?**
Prof. Odipo Osano, University of Eldoret Biotech Center , Kenya
- 10:30 – 11:00 **Coffee break**
- 11:00-13:00 **Item 15: Proficiency Testing (PT) exercise**
- i) What is a PT / Reference Material (RM)**
 - ii) How is a RM made?**
 - iii) Experience from an African network in making a RM and round robin PT**
 - iv) Exercise to judge the metrics of data from a PT scheme.**
- Mr. Michael Watts, British Geological Survey, United Kingdom
Mr. Emmanuel Mbewe, Soil And Plant Analytical Research Laboratory, Malawi
Mr. Takesure Tendayi, Soil Science & Agricultural Engineering Laboratories, Zimbabwe
- 13:00 – 14:00 **Lunch**
- 14:00 – 15:00 **Item 16: Poster exercise on the development of a plan for improvement aimed at building resilience**
- What are you currently doing, what works/does not work, how are you going to improve your laboratory? Set targets. Development of a business plan.
- 15:00 – 15:30 **Item 17: Delivery of samples for the GLOSOLAN proficiency test 2019, appointment of the Chair and Vice-Chair of AFRILAB, and closure of the meeting**