
REPORT ON FIELD CAMPAIGN TRAINING WORKSHOP FOR FIELD SUPERVISORS

Liberia Land and Soil Resources Knowledge Project (Soils4Liberia)



MARCH 24, 2026

INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE (IITA)

Table of Contents

Executive Summary.....	2
Introduction	2
Objectives of the Training.....	2
Key Training Activities.....	3
Field Demonstration	3
Field Campaign Team Composition	3
Summary of the Evaluation Poll Conducted	3
Conclusion.....	4

List of Annex

Annex 1: Attendance Sheet	4
Annex 2: Training Agenda.....	9
Annex 3: Group Photos.....	13
Annex 4: Indoor Training Pictures	13
Annex 5: Field Demonstrations Pictures	14

Executive Summary

The Field Campaign Training Workshop for Field Supervisors was organized under the EU-funded Soils4Liberia Project and held from 16–20 March 2026 at the Central Agricultural Research Institute (CARI) in Suakoko, Bong County, Liberia. The training aimed to strengthen the capacity of field supervisors to effectively implement the nationwide soil sampling and field data collection campaign.

The workshop provided training on the national soil inventory protocol, soil sampling procedures, digital data collection using ODK, and data management using the Survey Data Management Tool (SDMT). It also included practical sessions on ODK data collection, GPS navigation, sampling design, and field campaign coordination. The training concluded with a field demonstration to reinforce practical skills in soil sample collection and digital data entry. Overall, the workshop successfully prepared field supervisors for the upcoming national field campaign.

Introduction

The Field Campaign Training Workshop for Field Supervisors was conducted from 16–20 March 2026 at the Central Agricultural Research Institute (CARI) in Suakoko, Bong County. The training was organized under the Soils4Liberia Project to prepare field supervisors for the nationwide soil sampling and field data collection activities. The training participants comprised representatives from CARI, the Ministry of Agriculture (MoA), and the University of Liberia (UL), with a total of 21 participants, including 13 men and 8 women, reflecting a balanced level of gender participation.

CARI has been designated to lead the field campaign with technical supervision provided by the IITA. Following the completion of earmarked field campaign training workshops, the field survey teams are expected to be deployed in the field later in April 2026 to start the nationwide soil inventory and mapping activities.

Objectives of the Training

The main objective of the training was to equip field supervisors with the technical knowledge and practical skills required to support the implementation of the national soil inventory field campaign. Specifically, the training aimed to:

- Introduce the national soil inventory protocol and standard operating procedures (SOP).
- Train participants on soil sampling techniques and field observations.
- Provide hands-on experience with digital data collection using ODK Collect.
- Introduce the Survey Data Management Tool (SDMT) for data management and monitoring.
- Strengthen capacity in field campaign planning, coordination, and logistics.

Key Training Activities

The five-day training included presentations, hands-on practical sessions, and demonstrations. Key topics covered during the workshop included:

- Overview of the Soils4Liberia Project and field campaign implementation plan.
- Soil sampling procedures and field observation techniques.
- Loading sampling location coordinates into handheld GPS (MAPS.ME app).
- Using MAPS. ME app to navigate to the sampling location.
- Soil profile and site characterization.
- Digital data collection using ODK forms.
- Sampling design based on the 2 × 2 km cluster sampling approach.
- Use of the Survey Data Management Tool (SDMT) for data monitoring and quality control.
- Field campaign planning, logistics, and coordination.

Short videos covering various aspects of the field campaign were shown during the training workshop to help the participants gain full understanding. Participants also practiced GPS verification of sampling points, digital data entry, and tablet use for field data collection.

Field Demonstration

The training concluded with a field visit to a demonstration site where participants practiced soil sampling procedures, field observations, and digital data entry using ODK. They also learned proper soil sample handling, documentation, and transport procedures to ensure sample integrity and data quality.

Field Campaign Team Composition

The field survey team will consist of a field campaign manager, field supervisors, and field surveyors. A total of six to seven field survey teams will be constituted for the field campaign activities. A survey team will consist of at least three members, including the field supervisor.

Summary of the Evaluation Poll Conducted

The evaluation poll results indicate that participants generally rated the training workshop highly across key components, including content delivery, facilitation, and overall organization. Most responses reflect positive feedback, with strong agreement on the relevance and usefulness of the training. A smaller proportion of responses highlight areas for improvement, particularly in enhancing practical sessions and logistical arrangements. Overall, the results demonstrate that the training was effective and well-received by participants.

Conclusion

The Field Campaign Training Workshop successfully built the technical capacity of field supervisors to support the nationwide soil sampling campaign. Through a combination of theoretical sessions and practical field exercises, participants gained the necessary skills in soil sampling, digital data collection, and field campaign coordination. The training, therefore, provides a strong foundation for the effective implementation of the Soils4Liberia national soil inventory field campaign. An evaluation poll for the field campaign training workshop was administered to assess what the participants have been able to acquire during the workshop.

It was recommended that a follow-up training aimed at reinforcing the earlier technical knowledge and skill gained is held in early April. A further administrative meeting between CARI and IITA was proposed for finalizing the field campaign plan and coordination activities.












Annex 1: Attendance Sheet

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
1	LEO HAMA	Technician	BSc	CARI/CARI	M	053587857	[Signature]
2	Mack S. Yeanel	Technician	BSc	Agro Net/CARI	M	077415507	[Signature]
3	Amelia Ben	Technician	AA	Wamba College	F	077605719	[Signature]
4	Meniklee Cooper	R. Assistant	B.Sc	CARI	F	0886520036	[Signature]
5	Moses Tanzo	Technician	BSc	Moat/CAR	M	0774069258	M. Tanzo
6	Ezekiel purkpa	R. Assistant	BSc	CARI	M	0886728948	[Signature]
7	Prince D. Yormie	R. Assistant	BSc	CARI	M	0886371380	[Signature]
8	Leemue M. Sulonkeh	R. Assistant	BSc	CARI	F	08867411790	[Signature]
9	Naomi B. Kuyon	R. Assistant	BSc	CARI	F	0886607489	[Signature]
10	Esther L. Waker	R. Assistant	BSc	CARI	F	0888938439	E. L. W

Attendance Sheet

Date: March 16 2026











Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
11	Victoria M. Kafi	Research Assistant	BSC	CARI	F	0770472191	
11	Jallah D. Yal	Research	BSC	CARI	M	0880270666	
13	Prince D. Hanna	Research Office	MPHIL	CARI	M	0880808685	
14	Alex D. Kalla	Research Off.	Msc	CARI	M	0886918713	
15	Ruth F. Morrison	Research office	MSc	CARI	F	088627210	
16	Daniel K. Manley	CSA	MSc	MOA	M	077600624	
17	Charles G. Dank	Research Assistant	MSc	CAF(UL)	M	0770247215	
18	Salie Sheriff	Director/Up	Ph.D.	UL	M	077067005	
19	Philip I. Simech	Soil. specialist	MSc	MOA	M	0774526888	
20	Susannah D. Morris	Research office	MSc	CARI	F	077725795	
20	Haima Yemfu	Research office	MSc	CARI	M	0775140145	

Attendance Sheet

Date: March 17, 2026

Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
1	LEO HANNA	TECHNICIAN	B.S.C.	CARI/SADP/MS	M	0855870817	
2	MOSES TARD	TECHNICIAN	B.S.C.	SIMPU/MOAT	M	0770606250	
3	Susannah D. Morris	Research office	MSc	CARI/NRRI	F	077725795	
4	Leemwee Sulemeh	R. Assis	BSc	CARI	F	0886744790	
5	Amelia Ben	TECHNICIAN	AA	Nimba University	F	0881141752	
6	Mack S. Yeaneh	Technician	Bsc	Agro Net Lib	M	07707415507	
7	Meniklee Cooper	R. Assis	BSC	CARI	F	0886520036	
8	Victoria M. Kafi	R. Assistant	BSC	CARI	F	088632025	
9	Ruth F. Morrison	Research	MSc	CARI	F	088627210	
10	Prince A. Hanna	RESEARCH OFFICE	MPHL	CARI	M	0880808685	

Attendance Sheet

Date: March 17, 202

Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
11	Esther L. Ulatel	R. Assistant	BSC	CARI	F	0888938439	E.L. Ulatel
12	Naomi B. Kuyon	R. Assistant	BSC	CARI	F	08866071187	Naomi B. Kuyon
13	Ezekiel Portkpa	R. Assistant Inst	Bsc	CARI	M	0890928418	Ezekiel Portkpa
14	Younger D. Norris	Inst	B.S.C	University of Liberia	F	0887098089	Younger D. Norris
14	Daniel K. Mantor	CSA specialist	MSc	MOA	M	0777600624	Daniel K. Mantor
15	Charles Sorbon	Instructor	MSc	UL	M	0770247215	Charles Sorbon
16	Prince D. Yormie	R. Assistant	Bsc	CARI	M	0880371380	Prince D. Yormie
17	Jallah D. Yah	R. Assistant	BSc	CARI	M	08802895660	Jallah D. Yah
18	Salia S. Sheriff	Director	PhD	UN	M	0776671015	Salia S. Sheriff
19	Pklori S. P.	soil. 122	Me.	CARI	M	077...	Pklori S. P.

Attendance Sheet

Date: _____








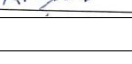

Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
20	Harris Tampus	Research officer	MSc	CARI	M	0886690234	Harris Tampus

Attendance Sheet

Date: March 18, 2026



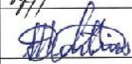







Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
1	Philip T. Singboh	soil specialist	Msc	MOA	M	0774325888	
2	LEO P. HEAPPA	Technician	BSC	CARI/SRD/PA	M	0555890817	
3	Moses P. Tawzo	Technician	Bsc	U. I.	M	0776069250	M. Tawzo
4	Susanndi D. Morris	Research Officer	MSc	CARI/NPAM	F	0772725795	
5	Leekue M. Sulonteh	R. ASSIST	BSC	CARI	F	0886744790	
6	Amelia Ren	TECHNICIAN	AA	Nimba University	F	0881141752	
7	Mack S. Yearochi	Technician	Bsc	Agro Network	M	077445507	
8	Meniklee Coape	R. ASSIST	BSC	CARI	F	0886520036	
9	Victoria M. Kofi	R. Assistant	BSC	CARI	F	0886552026 / 0770147201	
10	Ruth F. Nwamba	R. OFFICE	MSC	CARI	F	0586627260	

Attendance Sheet

Date: March 18, 2026

Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
11	Esther L. Watah	R. Assistant	BSC	CARI	F	0888938439	E.L.W
12	Naomi B. Fuyeh	R. ASSISTANT	BSC	CARI	F	0886607489 0880928948	
13	Ezekiel Portkpa	R. ASSI	BSC	CARI -	M	0775893196	
14	Younger D. Abrams	Internship	B.S.C	UL University of Liberia	F	0887098089	
15	Daniel K. Martins	CSA specialist	MSc	MOA	M	0777600624	
16	Prince D. Tormie	R. Assistant	Bsc	CARI	M	0886371380	
17	Jallah D. Yeh	R. Assistant	BSC	CARI	M	0886295668	
18	Salig Sheriff	Director Research	PhD	UL	M	077667208	
19	Prince A. Hama	OFFICER Research	MPhil	CARI	M	0880808685	
20	Alex D. Kollah	Officer	M.Sc	CARI	M	0886919713	
21	Harris Tanguis		MSc	CARI	M	0886690274	

Attendance Sheet

Date: March 19, 2025

Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
1	LED HIAMA	TECHNICIAN	BSC	CARI	MA	055587817	[Signature]
2	Moses Targo	TECHNICIAN	BSC	SMPY	M	0776069250	M. Targo
3	Susanmah D. Morris	R. OFFICER	MISC	CARI	F	07792925795	[Signature]
4	Leemue M. Sulenteh	R. ASSISTANT	BSC	CARI	F	08867402790	[Signature]
5	Amelia Pdn	TECHNICIAN	AA	NU	F	0881141752	[Signature]
6	Mack S. Yeaneh	Technician	BSC	ATONBWORK	M	0777415507	[Signature]
7	Victoria M. Kofi	R. A	BSC	CARI	F	0770472191 0886352003	[Signature]
8	Ruth F. Mombor	R. OFFICER	MSC	CARI	F	088662926	[Signature]
9	Meniklee Cooper	R. ASSISTANT	BSC	CARI	F	0886520036	[Signature]
10	Esther L. Watah	R. ASSISTANT	BSC	CARI	F	0888958439	E. L. W

Attendance Sheet

Date: _____

Field Campaign Training – Held at CARI, Bong County

No	Name	Position	Qualification	Institution	Gender	Contacts	Signature
11	Jallah a. yah	R. Asst	BSC	CARI	M	088622738	[Signature]
12	Naomi R. Kuyun	R. ASSISTANT	BSC	CARI	F	0886607480	[Signature]
13	Ezekiel - portkhal	R. ASSISTANT	BSC	CARI	M	0880928848 0775593195	[Signature]
14	Prince A. Hiama	RESEARCH OFFICER	MPHIL	CARI	M	0880808685	[Signature]
15	Prince Y. Y. Y.	Research Asst	BSC	CARI	MA	0886371380	P. Y
16	Harris Yankor	Research Asst	MSC	CARI	M	0886690274	[Signature]
18	Alex J. Kolleh	Research Office	MSC	CARI	M	0886918713	[Signature]

Annex 2: Training Agenda

Programme for S4L Training Workshop in Bong County

Day 1 – Monday, 16 March 2026

Introduction to the Field Campaign

Time	Activity	Session Facilitator	Lead Facilitator
9:00 – am 9:30	Arrival and Registration	Harris Yanquoi	Harris Yanquoi
9:30 – am 9:45	Welcome and Introduction of Facilitators and Field Supervisors	Harris Yanquoi	Harris Yanquoi
9:45 – am 10:00	Overview of the Soils4Liberia Project and implementation plan	Abebe Shiferaw	Abebe Shiferaw
10:00 – am 10:20	Objectives and expected outcome of the training programme	Samuel Mesele	Samuel Mesele
10:20 – am 11:00	Opening Remarks	Director, CARI (Arthur Bob Karnuah)	Director, Arthur Bob Karnuah
11:00 – am 11:20	Group Photo		
11:20 – 11:40 pm	Introduction to the Protocol for the field survey, requirements and navigation	Samuel Mesele	Samuel Mesele
11:40 – 12:00 pm	Preparations and requirements for field Survey	Jannie Fahnbulleh	Thomas Gbokie
1:00 – 2:00 pm	Lunch		
2:00 – 2:15 pm	Safety and Security issues	Thomas Gbokie	Daniel Sirleaf
2:15 – 2:30 pm	Navigating in the field	Jannie Fahnbulleh	Jannie Fahnbulleh
2:30 – 2:50 pm	The Sampling design and criteria	Samuel Mesele	Samuel Mesele
2:50 – 3:10 pm	Soil sample collection	Edward Russell	Edward Russell
3:10 – 3:40 pm	Field Observations – Soil and Site Characteristics	Abebe Shiferaw	Abebe Shiferaw
3:40 – 3:45 pm	Pictures of the soil surface and terrain	Daniel Sirleaf	Daniel Sirleaf

3:45 – 4:00 pm	Daily Wrap-Up & Feedback		
---------------------------	--------------------------	--	--

Programme for S4L Training Workshop in Bong County

Day 2 – Tuesday, 17 March 2026

Digital Data Collection (ODK) and Sampling Design

Time	Activity	Session Facilitator	Lead Facilitator
9:00 am	Registration and Recap	Harris Yanquoi	Harris Yanquoi
9:30 – am 10:00	Introduction to the Field Survey SOP and ODK Forms	Samuel Mesele	Samuel Mesele
10:00 – 12:00 pm	Hands-on Practice with ODK Data Collection, Digital data entry	Joseph Koilor	Joseph Koilor
12:00 – 1:00 pm	Field Survey Protocols and Required Equipment, Based on SOP	Samuel Mesele	Samuel Mesele
1:00 – 2:00 pm	Lunch		
2:00 – 2:25 pm	Procedure for powering up (“booting”), shutting down the tablet and Managing Batteries and Power with your Tablet	Joseph Koilor	Joseph Koilor
2:25 – 3:00 pm	Review of Sampling Design (Clusters and Sampling Units), 2 × 2 km cluster design	Jannie Fahnbulleh	Samuel Mesele
3:00 – 3:30 pm	Validation of Sampling Point Locations, GPS verification	Group Work	Jannie Fahnbulleh
4:30 – 4:00 pm	Daily Wrap-Up & Feedback		

Programme for S4L Training Workshop in Bong County

Day 3 – Wednesday, 18 March 2026

Survey Data Management Tool (SDMT)

Time	Activity	Session Facilitator	Lead Facilitator
9:00 am	Registration :	Harris Yanquoi	Harris Yanquoi

9:30 – am 10:30	Overview of the SDMT and its functionalities - Dashboard - Surveyor’s application webpage	Joseph Koilor	Samuel Mesele
10:30 – am 11:00	- SDMT Presentation and demonstration - Sampling point validation - Surveyors application and onboarding of surveyors - SDMT System Architecture and Workflow	Joseph Koilor	Samuel Mesele
11:00 – 1:00 pm	- User Accounts and Access Management - Monitoring Field Data Collection - Data Validation and Quality Control - Data Visualization and Reporting	Joseph Koilor	Samuel Mesele
1:00 – 1:45 pm	Lunch		
1:45 – 3:30 pm	Hands-on Training: SDMT Platform, Practical session	Joseph Koilor	Samuel Mesele
3:30 – 4:00 pm	- Site Selection, Plot Layout, planning and organization - Soil Profile Description and Field Observations - Cluster sampling approach	Samuel Mesele	Samuel Mesele
4:00 pm	Daily Wrap-Up & Feedback		

Programme for S4L Training Workshop in Bong County

Day 4 – Thursday, 19 March 2026

Field campaign management

Time	Activity	Session Facilitator	Lead Facilitator
9:00 am	Registration :	Harris Yanquoi	Harris Yanquoi
9:30 – 11:00 am	Site selection, planning and organization	Jannie Fahnbulleh	Samuel Mesele
11:00 – 11:30 am	Field Campaign Management and Coordination	Thomas Gbokie	Thomas Gbokie

11:30 – 1:00 pm	Discussion on Soil Inventory Protocols and navigation	Samuel Mesele	Abebe Shiferaw
1:00 – 2:00 pm	Lunch		
2:00 – 3:00 pm	- Field Campaign Planning and Budgeting - Logistics, equipment and Field team management	Samuel Mesele	Samuel Mesele
3:00 – 3:30 pm	- County-Level Field Campaign Planning - Logistics, transport, equipment	Group Work	Samuel Mesele
3:30 – 4:00 pm	Unfinished business and Feedback		

Programme for S4L Training Workshop in Bong County

Day 5 – Friday, 20 March 2026

Field Visit and Practical Training

Time	Activity	Session Facilitator	Lead Facilitator
8:00 – am 9:30	Travel to Field Experimental Site	All Participants	Harris Yanquoi
9:30 – am 11:30	Demonstration of Field Survey SOP, Sampling procedures	Samuel Mesele	Samuel Mesele
11:30 – 12:30 pm	Soil Sample Collection Procedures	Field Team	Samuel Mesele
12:30 – pm 1:00	Data Recording Using ODK, Field data entry	Joseph Koilor	Joseph Koilor
1:00 – pm 2:00	Lunch		
2:00 – pm 3:00	Demonstration of field survey protocols for the reference site, Lessons learned	Samuel Mesele	Samuel Mesele
3:00 – pm 3:25	- Sample Handling and Transport - Monthly Reporting Form - Chain of custody	Joseph Koilor	Edward Russell

3:25 – pm 3:30	Return Trip	Samuel Mesele	Samuel Mesele
3:30 – pm 4:00	Closing Ceremony	Harris Yanquoi	Director, Arthur Bob Karnuah

Annex 3: Group Photos



Annex 4: Indoor Training Pictures



Annex 5: Field Demonstrations Pictures

