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CGIAR

A nation-wide soil inventory and land suitability mapping: Component of the EU Delegation to Liberia action “From productivity to product, linking Peers to Peers” (P2P). The International Institute of Tropical Agriculture (IITA), in collaboration with key implementing partners including ISRIC, MATE, and the Regional Hub, aims to generate land and soil data for decision-making.



ISRIC
World Soil Information

MATE
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ÉLETTUDOMÁNYI EGYETEM



REPORT OF SOILS4LIBERIA PROJECT LAUNCH

Date: October 22 - 24, 2025
Sinkor Palace, and A' La Lagune - Monrovia, Liberia

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1. Introduction

The Liberia land and soil resources knowledge project (Soils4Liberia) Project was officially launched on October 22, 2025 in Monrovia, Liberia, under the leadership of the International Institute of Tropical Agriculture (IITA) in collaboration with the Ministry of Agriculture (MoA), Central Agricultural Research Institute (CARI), International Soil Reference and Information Centre (World Soil Information), MATE, and the European Union (EU). The launch marked a major milestone in advancing national efforts to improve soil data availability, promote sustainable land management, and enhance agricultural productivity across Liberia.

2. Project Background

The Liberia land and soil resources knowledge project (Soils4Liberia) seeks to align land use practices with the upcoming EU Deforestation Regulation while adopting a gender lens and ensuring relevance to ecosystem services, agricultural productivity, and biodiversity conservation. Liberia's lack of comprehensive soil data and standardized information systems has been a major constraint, and the project aims to address this gap by building on existing efforts like the FAO's pilot Liberia Soil Information System (LibSIS) to create a full-fledged national soil information system. Key activities include:

- Develop a nationwide soil survey and mapping, land suitability and agro-ecological zoning, and optimization of land information for research, extension, and business development.
- Support evidence-based policies for fertilizer management, land use planning, and environmental conservation.
- Build the capacity of national experts in soil sampling, laboratory analysis, and geospatial data management.

The project is funded by the European Union (EU) and implemented through IITA and its partnership involving the International Soil Reference and Information Centre (ISRIC), MATE and national stakeholders in Liberia.

3. Launch Event Overview

The launch event brought together over 50 participants representing government ministries, research institutions, universities, donor partners, farmers' associations, and the private sector. The ceremony featured:

4. Key Remarks and Highlights

4.1. Guest Arrival & Registration (15-30 mins)

- Background music (Soft jazz instrumental)
- Guests' registration
- Welcome, light refreshments and networking



Figure 1: Guest arrival and networking session

4.2. Program Moderated by Mr. Halala Kokolu (3.5 hours)

- Opening remarks about the theme and purpose of the Soils4Liberia project.
- Recognition of the EU delegations and IITA for leading this initiative.
- Recognized the arrival of the Formal Vice President of Republic Liberia, Madam Jewel Howard Taylor.
- Acknowledged the presence of the distinguished guests and dignitaries which included the Deputy Agriculture Minister for Technical Services, Hon. Solomon Hedd-Williams, who represented the Minister of Agriculture, Hon. J. Alexander Nuetah, and EU's Ambassador Ms. Nona Deprez, Director General for CARI, Dr. Arthur B. Karnuah, representatives from the University of Liberia, MATE, the Hungarian University for Agriculture and Life Sciences, representatives from the Regional Hub for Fertilizer and Soil Health for West Africa and the Sahel Region, representatives from the AfricaRice, FAO, IFAD, World Bank, EPA, ECOWAS, Ministry of Finance and Development Planning, and technical entities from government that are involved with this initiative, FDA and NaFAA, National Bureau of Conception, LISGIS, among others.

4.3. Introduction of Distinguished Guests by Mr. Thomas Gbokie, Jr. (15 mins)

- Welcome remarks and recognition of guests. See below:
- Good morning, ladies and gentlemen, it is my honor and pleasure to welcome you to the official launch of the Liberia Land and Soil Resources Knowledge (Soils4Liberia) Project.
- The Soils4Liberia is an EU-funded initiative that seeks to develop a Land and Soil Information System for managing land and soil data and to generate information on the status of the land and soil resources in Liberia. The information will be disseminated to enhance knowledge on land and soil information and support stakeholders in the use of the information for their own decision-making, whether for policy development, or the planning of development action and targeting interventions for improved resource conservation, sustainable increase of productivity, or for making agriculture climate smart and for interventions in agriculture for mitigation of climate change.
- The GoL through the Ministry of Agriculture (MoA) and working with EU Delegation to Liberia designated IITA as the Technical Lead entity. The implementation fosters collaboration with diverse national sector actors (MoA, CARI, FDA, LLA, NBC, EPA, NaFAA, etc), academia (colleges & TVET centers), donors (EU, World Bank, AfDB, IFAD, etc.), and technical partners (CGIAR centers, FAO, UN agencies, etc.), private sector, farmers and their organization, among others.
- Welcomed and acknowledged distinguished guests and dignitaries:

4.4. ORDER OF PROTOCOL -Soils4Liberia Launch

- Minister of Agriculture, represented by Deputy Minister for Technical Services, Hon Solomon Hedd-Williams
 - Former Vice President, Republic of Liberia, Dr Jewel Howard Taylor
 - IITA DG, Dr Simeon Ehui, represented by the DDG Partnership and Scaling, Dr Tahirou Abdoulaye
 - IITA Liberia Country Representative, Dr Alfred Dixion
 - EU Ambassador, Ms Nona Deprez
 - EU delegation to Liberia
 - DG of Central Agricultural Research Institute (CARI), Dr Arthur Karnuah
 - Presidents and Representatives of Universities in Liberia
 - Representatives of Soils4Liberia partners - ISRIC -World Soil Information, MATE -Hungarian University of Agriculture and Life Sciences, Regional hub for fertilizers and soil health in West Africa and the Sahel
 - Representatives of other CGIAR centers (AfricaRice and WorldFish)
 - Representatives from FAO, UNIDO, World Bank, AfDB, IFAD, ECOWAS
 - Directors and Representatives of major government institutes who are major stakeholders -EPA, LISGIS, LLA, FDA, LACRA, NaFAA, NBC
 - Private sector actors and farmer organizations
 - Ladies and gentlemen.
-
- Moderator called for a moment of silence in honor of Mr. Emmanuel Lincoln, a Liberian soil specialist who was so dedicated to the initial consultative processes for the conduct of a nation-wide soil suitability and land-use assessments. Mr. Lincoln worked with both the Ministry of Agriculture and UL.
 - Short video of IITA philosophy by Daniel M. Sirleaf.

4.5. Welcome Remarks by Dr. Alfred Dixion, IITA Rep. for Liberia and the Manor River Union, based in Sierra Leone (10 mins)

- He mentioned been part of the team that did the scoping mission and crafted the concept of proposal for the Soils4Liberia project.
- He stated that IITA started collaboration with the Liberian Ministry of Agriculture to develop the agricultural sector, way back in the 70s, and emphasized that IITA is still here to contribute to the transformation of the agricultural sector of Liberia.
- He further elaborated that he hails from Sierra Leone, worked in the agricultural sector, particularly in cassava development for 34 years and recently returned back to Sierra Leone to continue supporting the agricultural transformation in the Mano River Union (MRU) Region Countries.

4.6. Goodwill message by Dr. Tahirou Abdoulaye – Deputy Director General, IITA (10 mins)

- He mentioned IITA is here to develop new innovative agricultural technologies that will transform the agricultural sector of Liberia. And together, with the national and

international partners, we will make it happen. So, we must assure that we are here to stay and make sure we are still in Liberia.

- He welcomed and thanked the audience very much for attending the launching ceremony.

4.7. Brief presentation by Dr. Samuel A. Mesele, soil scientist and the project manager for the Soils4Liberia project (20 mins)

- Dr. Mesele presented the overview of soils4Liberia project current status and progress highlighting:
 - The lack of data and information in Liberia on soil resources and on land and soil capability to support agricultural use.
 - Government entities have already indicated keen interest in soil information, and these entities include MoA, LLA, LACRA, NIC, NCB, EPA, LISGIS, FDA, NaFAA, etc.
 - Limited capacity to generate soil data and information.
 - Basic soil data for assessing the soil quality are missing.
- Work packages and progress in implementation:
 - Stakeholder engagement (stakeholder mapping, consultation and providing support in using data and information products).
 - Nation-wide soil and land use inventory including soil analysis at UL Lab.
 - Development and establishment of the Land and Soil Information System.
 - Generate data and information products (soil property maps, land use maps, soil quality indicator maps etc.).
 - Development and implementation use cases – developing specific applications and tools for users / stakeholders.
 - Training and capacity building (conducting soil and land use inventory, training of lab technicians and lab management support – lab UL, training technicians on all technical aspects of the LSIS, seminars and internships for students and academic community).
 - Field campaign electronic data recording and data management tool review.
 - Soil information workflow architecture and decision Support and Applications.
 - Capacity building and institutionalization.
 - Partners and collaborators.
 - Setting up the project office in Monrovia and recruitment and staff on-boarding.
 - Consortium agreement prepared and being signed by the various partners.

- Third-party agreement with UL signed, and first disbursement made.
- UL soil testing lab capacity assessment conducted.
- A major lab equipment for UL for elemental analysis is being procured.
- Amendment of the grant agreement for effective coordination and delivery of the project milestones has been initiated.
- Procurement and delivery of the project vehicles
- Logistic and administrative agreement for the enrolment of the MSc students is ongoing
- Soil information system workshop held for major stakeholders.

4.8. Speech by Ms. Nona Deprez the EU ambassador to Liberia (17 mins)

- She acknowledged the honour to be a part of the launch for the Soils4Liberia project which marks an important step towards building a more resilient, productive, and sustainable agriculture in Liberia. She also mentioned European Union strongly believes that sustainable development is rooted in the ability to nourish populations, to diversify economies, and to ensure food security.

4.9. Brief Remarks by Hon. Dr. Arthur Bob - Director of CARI, (16 mins)

- He expressed his gratitude and vote of thanks to the Minister of Agriculture and the Government of Liberia, EU, IITA, and partners for their leadership and commitment to improve food security and livelihoods across the country.
- He also mentioned the importance of capacity building and adaptation of sustainable soil management practices.
- We need to create awareness and educate people about the value and benefits of healthy soil. Also to collaborate and share knowledge and experiences across sectors and regions.
- He was pleased and thankful for the launch of this soils4Liberia project and at the successful completion of this project, researchers, agriculture, farmers, etc., will have a good understanding of the soil profile of Liberia and where Liberia's growth can be grown for maximum production and output.

4.10. Brief Remarks by Leroy W. Cegbe – Dean of the College of Agriculture and Forestry, University of Liberia, (5 mins)

- He acknowledged the President of the University of Liberia, and that she would have loved to be present, but she had some engagements.
- He farther mentioned the university is proud to be partnering with stakeholders in this all-important project. They play major role in the lifeline of the nation, but the soil is the backbone of all agricultural activities. So, the soil needs to be looked at very critically.

4.11. Brief Remarks by Dr. Bas Kempen – ISRIC, (14 mins)

- He mentioned that the project aims to develop soil information and a functional soil information system for Liberia. Why is soil information so crucial? Sustainable management of land places to develop a role in a range of essential forms, achieving sustainable identification of agriculture, nature conservation, biodiversity conservation, sustainable use of water resources, and climate change adaptation.
- ISRIC is an independent foundation based in the Netherlands, serves as a global reference center for soil information, and accredited by the International Science Council as a world data center for soils since 1989.
- ISRIC mission is to develop quality assessed soil information on a global scale, and to support partners around the world in generating and delivering actionable soil information tailored to their specific territories.
- ISRIC have been working with colleagues across Africa for several decades.
- In recent years, ISRIC have collaborated with countries such as Ethiopia, Kenya, Rwanda, Ghana, and several other Countries to develop soil information and national soil information.
- He expressed his sincere gratitude for the opportunity to be part of this project. And ISRIC is grateful to the EU delegation for making this project possible. Expectations are high, let's get to work to make this project successful.

4.12. Brief Remarks by Former Vice President Madam Jewel Howard Taylor of the Republic of Liberia, (3 mins)

- She thanked the EU and all of the partners who have continued to work in different aspects of helping the Liberia to become a better place. For her, the importance of this project is moving from the policy area to providing information to farmers so they will know what to test, how to test it, how to succeed. But most importantly, it provides an opportunity for youth empowerment.

4.13. Speech by Hon. Solomon Hedd-Williams, Deputy Minister of Technical Services (21 mins)

- He honored the former Vice President for her excellent thinking.
- Thanked the Ambassador of EU, and EU representatives for their support to this project.
- He mentioned the Government of Liberia remains fully committed in prioritizing the Soils4Liberia project, National Agricultural and Environmental Policies, and especially with National Agricultural Development Plan. MoA will continue to empower local governments and provide extension services to ensure effective grassroots implementation. The Government of Liberia will support the acceleration of in the soils4Liberia implementation, and it must happen now.



Figure 2: Group photograph taken after the closing session of the Soils4Liberia Project launch event, featuring the Former Vice President, Madam Jewel Howard Taylor (third from left); Ms. Nona Deprez, EU Ambassador to Liberia (sixth from left); Hon. Solomon Hedd-Williams, Deputy Minister for Technical Services, Ministry of Agriculture (seventh from left); Dr. Tahirou Abdoulaye, Deputy Director General, IITA (center); Dr. Alfred Dixion, IITA Representative for Liberia and the Mano River Union (seventh from right); Dr. Bas Kempen, ISRIC (fifth from right); and Dr. Samuel A. Mesele, Soil Scientist and Project Manager, Soils4Liberia Project (third from right).

4.14. Movement to IITA Office Premises (13 mins)

- The opening ceremony of the country office of the IITA took place just a few meters from the launch venue.

Figure 3: Opening of Office



5. Soils4Liberia Project Partners workshop Repertoire

Date: October 23, 2025

Venue: A' La Lagune, Monrovia, Liberia

Organized by: IITA in collaboration with ISRIC and MATE

Audience: IITA, ISRIC, MATE, Regional hub, CARI, UL, MoA, EPA, Stella Maris Polytechnic University

5.1. Participant Arrival & Registration (15-30 mins)

- Breakfast and networking

5.2. Setting the scene by Dr. Samuel Mesele, IITA (2 mins)

- He welcomed colleagues and partners, introduced the session and participant self-introduced themselves starting with their names, expertise, institutions and positions, respectively.

5.3. Presentation by Dr. Bas Kempen, ISRIC (22 mins)

- Dr. Bas presentation highlighted how modern soil information systems will support national planning, agricultural development, and sustainable land management in Liberia.
- His session set the stage for understanding how science, data, digital soil mapping and collaboration will help Liberia make smarter decisions about soils and land-use activities for farmers, policymakers, and future generations alike.
- He further presented on the sampling design for the soils for Africa initiative as the baseline/background for understanding the Soils4Liberia methodology.
- He set the discussion for sampling design approaches for the Soils4Liberia field campaign, questionnaire, Liberia National Soils Information System (LiNSIS), data requirements, data infrastructure and system design.
- He displayed the map of Liberia illustrating the geo-localities of farmlands with bread-basket counties and hard-to-reach-areas based on the shapefiles from the geographical datasets generated during the just ended Liberia 2022 Census provided by IITA Liberia.
- The participants or partners agreed to follow-up with some Government institutions and request for the geology map of mining areas and forest protected areas maps in shape files format to overlap on the existence map enabling a more realistic picture for sampling design.

5.4. Presentation by Mr. Eric Asamoah, ISRIC (24 mins)

- Mr. Asamoah with extensive experience in supporting field teams and national partners in applying standardized soil sampling techniques, digital data collection tools, and harmonized workflows presentation gave a clear picture of how modern data collection practices can be used to strengthen Liberia's soil information system and improve consistency and usability of soil data nationwide.

- Mr. Asamoah displayed illustrations showing the soils data collection workflow architecture diagram and almost real-time dashboard, making reference to the soils for Africa scenarios and that of Liberia specifics.
- He further opened the discussion to agree on the data governance approaches and security.

5.5. Presentation by Dr. Adam Csorba, MATE (27 mins)

- Dr. Csorba specializes in soil data analysis, geo-statistics, and digital soil mapping, and has been actively involved in supporting capacity development and data-driven approaches across several international projects. He highlighted the approaches and digital tools for the Soils4Liberia Project field campaign characterization and classification.
- In his presentation today, Dr. Csorba shared insights from MATE's experience in applying advanced analytical tools and modeling techniques to improve soil information systems and inform agricultural policy.
- Dr. Csorba further proposed a timeline to execute tasks towards the field campaign in 5 months, by **March 2026**, activities included:
 - i. Developing tools for soil profile description, classification, and sampling.
 - Preparation of detailed guideline documents.
 - Concise field handouts and reference sheets.
 - Electronic field-data collection forms (tablets/smartphone)
 - Paper-based backup forms for areas without connectivity
 - ii. Conducting practical training for the field team campaigners within the duration of 2 to 7 days (**March- April 2026**).
 - Indoor sessions introducing pedagogical concepts and terminology, which will include field practice close to the indoor training site and visiting regions and counties in Liberia with different soils.
 - Outdoor workshops to practice soil profile description and classification.
 - Emphasis on hands-on learning and consistency among supervisors and surveyors.
 - iii. Providing broader capacity building 2 weeks before the field campaign.
 - Developing teaching materials on key pedagogical topics.
 - Soil functions and formation.
 - Soil physics, chemistry and biology
 - Soil description and classification.

5.6. Action Points

- Adopt harmonized soil sampling and data collection protocols, as demonstrated by ISRIC and MATE, to ensure consistency and comparability across Liberia.
- Conduct targeted training for technical staff and university students on digital tools, data entry platforms, and (quality assurance/quality control) procedures.

- Send a formal communication by IITA to Ministry of Mines and Energy and Forestry development Authority requesting the Geology map of mining areas and protected area map of Liberia.
- The Liberia soil information data should be open source.

5.7. Key Takeaways

- Validate the selected sampling points before the actual field campaign.
- Integrate or make available materials on the platform to disseminate soil information to farmers.
- Soils4Liberia Project is not just about collecting data, it's about transforming information into actionable knowledge for national development.

6. Soils4Liberia Project Partners workshop Repertoire

Date: October 24, 2025

Venue: A' La Lagune, Monrovia, Liberia

Organized by: IITA in collaboration with ISRIC and MATE

Audience: IITA, ISRIC, MATE, Regional hub, CARI, UL, MoA

6.1. Participant Arrival & Registration (15-30 mins)

- Breakfast

6.2. Setting the scene by Dr. Samuel Mesele, IITA (19 mins)

- Dr. Mesele welcomed all participants and reviewed the project document progress, highlighting key achievements, challenges, and recommendations for the next phases. The review focused on implementation milestones, deliverable completion, and document alignment with project objectives.

6.3. Project Gantt Presentation by Dr. Samuel Mesele, IITA (15 mins)

- Dr. Mesele and all responsible parties reviewed and adjusted the soils4Liberia project On-time activities, progress, delayed areas, and the next milestone.

6.4. Presentation by Dr. Bas Kempen, ISRIC (9 mins)

- DR. Kempen demonstrated the web GIS, Dashboard, and data catalog functionalities to the team for inspiration and potential adoption.
- He further said the dashboard will enable users to explore soil indicators such as pH, organic carbon, nitrogen, phosphorus, and texture through interactive maps, charts, and tables.
- He also elaborated on the importance of data governance if implemented properly.
- Detailed discussion of work packages, technical requirements.

- Emphasized data collection, laboratory analysis, capacity building, training and quality control protocols.

6.5. Presentation by Dr. Salia S. Sheriff, Director for Soil Testing, Plant and Water Analysis Lab - UL (20 mins)

- Mr. Sheriff presented the current status of the University of Liberia (UL) lab highlighting:
 - Lab aims for autonomy from the University of Liberia; plans to become independent unit.
 - Standard operating procedures adapted from international protocols; quality control includes internal reference materials and proficiency testing.
 - Core activities: academic teaching, research, training, soil testing for farmers, and commercial analysis (NPK, pH, organic carbon, phosphorus).
 - Key challenges: lack of functional elemental analyzer – atomic absorption spectrophotometer (AAS), limited reagents, need for equipment upgrades, and technician training.
 - Data management: manual systems in place; plans to improve with dedicated computers, backup, and simplified tracking systems.
 - Sample processing: can handle up to 30 samples a week, storage capacity for 50 samples, each 250g, with long-term retention for fertilizer cases.
 - Collaboration with national and international partners (FAO, IFDC, Njala University, Glosolan, AfriLab), efforts to form National Soil Laboratory Network.
 - Pending actions: develop work plan, quantify analysis capacity, upgrade IT infrastructure, and finalize list of measurable parameters for baseline surveys.

6.6. Open Q&A, Technical Deep Dives, and Closing Remarks (22 mins)

- Soil for Africa project developed a continental soil information system with modular software components for data storage, dissemination, and sharing.
- System includes web GIS viewer, customizable dashboard (Apache Superset), and data catalog with nearly 90 geospatial layers, supports data download in CSV, shapefiles and web services.
- Field and lab data are integrated, with standardized vocabularies for interoperability across counties and systems.
- Documentation, SOPs, and training videos are included, future plans for a tech platform with repositories and links to other data platforms.
- Project aims to connect national systems to the continental platform, enabling automated data harvesting and regional soil health assessments.

7. Conclusion

The launch of the Soils4Liberia Project marks an important step toward sustainable land management and agricultural productivity in Liberia. By improving access to soil data and promoting informed decision-making, the initiative will help farmers, policymakers, and

researchers develop a strong agricultural sector that supports Liberia's national development goals and the African Union's Agenda 2063.

8. ANNEX

Pictorial of Project Launch Ceremony





Pictorial of Technical Sessions





Figure 4: Soils4Liberia Project Task Gantt chart



Soils4Liberia Project Task Gantt Chart

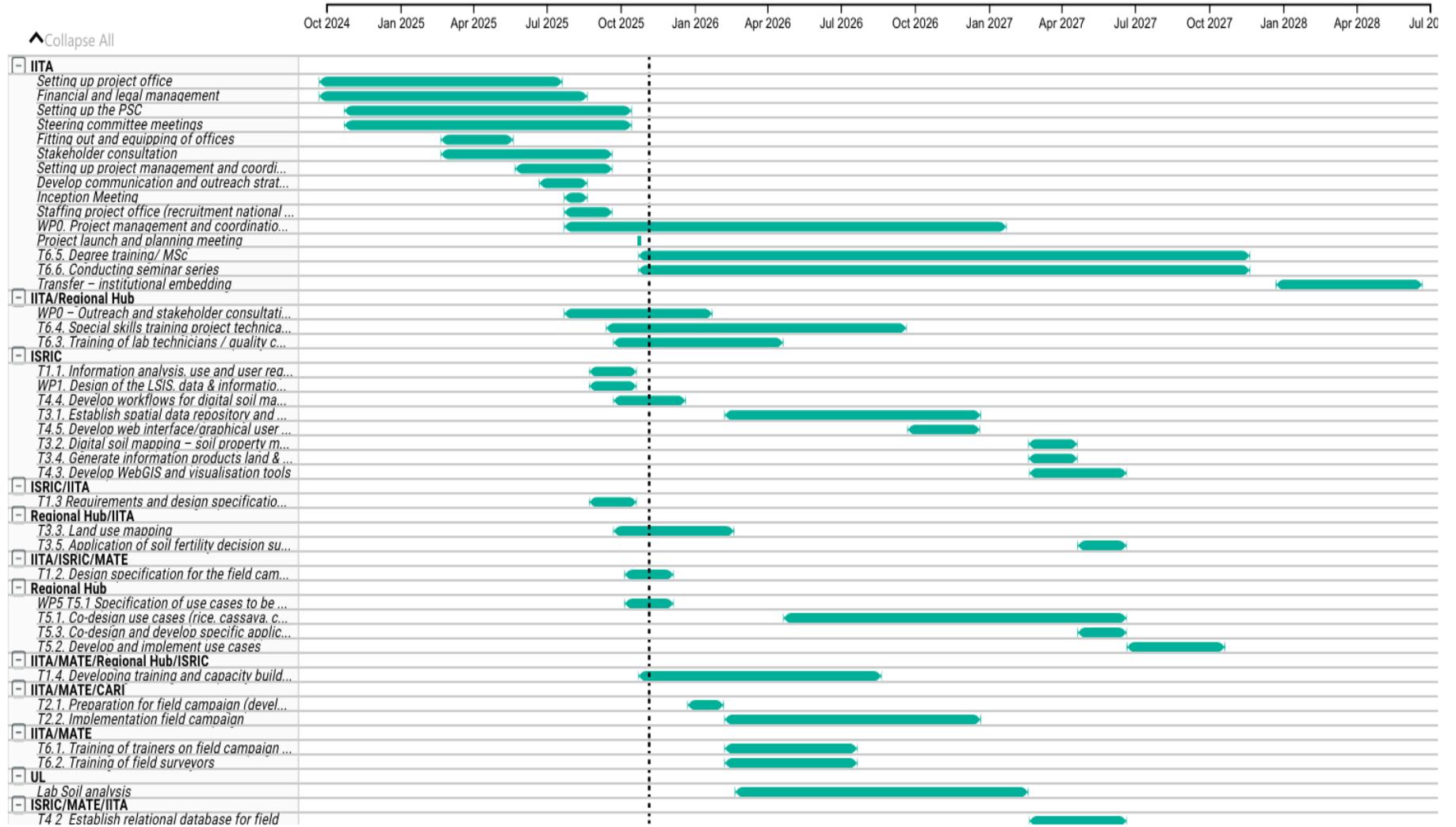


Figure 5: Event Launch and Technical Sessions Attendance Sheets

No.	Names	Alternative / Representation	Institution	Position	Signature
Ministries and Agencies					
1	Hon. Solomon Hedd-Williams	Caroline Gollis	Ministry of Agriculture	Deputy Minister for Technical Services, representing Hon. J. Alexander Nustah, Hon. Minister of Agriculture	[Signature]
2	Hon. Anthony G. Myers	Stanley Boah	MFDP Liberia	Acting Minister (Deputy Minister for Fiscal Affairs)	[Signature]
3	Hon. Dr. Arthur Bob Kamuah		CARI	Director General	[Signature]
4	Mr. Quaqua S. Mulbah		CARI	Crop Program	[Signature]
5	Hon. Dr. Emmanuel K. Urey Yarkpawolo		Environmental Protection Agency (EPA)	Executive Director /EPA focal person	
6	Mr. Momoh B. Kamara		Liberia Institute of statistics	Assist. Director for Agricultural Statistics; representing Hon. Richard NGAFUAN, DG LISGIS	[Signature]
7	Hon. Uriah Garsinli		Liberia Land Authority (LLA)	Commissioner for Land use & Management	
8	Hon. Rudolph Merab	Delia D Morris	Forestry Development Authority (FDA)	Managing Director	[Signature]
9	Prof. Leroy W. Cegbe		University of Liberia	Dean - College of Agriculture and Forestry	[Signature]
10	Dr. Sallia Sheriff		UL	Director for Soil Testing, Plant and Water Analysis Lab; representing Prof. Layi Manavan, UII	
11	Mr. Oliver K. Tarzo		Stella Maris Polytechnic University	Dean	[Signature]
12	Dr. Larry C. Hwang		William V. S. Tubman University	Dean of Agriculture and Food Science College; representing Tubman University	[Signature]
13	Yarkpawolo K. Johnson		National Fisheries and aquaculture authority	NAFAA focal person; representing NaFAA	[Signature]
14	Theodore Momo		National Bureau of Concessions	DG	
EU Delegation to Liberia					
15	Ms Nona DEPREZ		European Union	EU Delegation to Liberia Ambassador	
16	Mr. Antonio Di Clemente		European Union	Program officer	[Signature]
17	Gilles Matayron		European Union	Team Lead	[Signature]

Reuben Reeves

Agrisustainability /MOA Tea lead [Signature]

INGOs					
18	Mr. Kadir Osman Gyasi		World bank	Agriculture Task Team Leader, representing Ms. Georgia Walton, Country Manager	[Signature]
19	Mr. Saeed Abubakar Bantie		FAO	Country rep	[Signature]
20	Johnson Kolubah	Caroline Daycohea	IFAD	Country Program Analyst; representing Ms Pascaline Barankoba, IFAD Country rep	[Signature]
21	Y. B. Foday	Therestapha G.	AFDB	Acting Country Manager	
22	Mustapha Gaye	Walter F. Kamin	AfricaRice	Country Rep	[Signature]
23	Hon. Josephine Nkrumah		ECOWAS	Ambassador	[Signature]
EU P2P Partners					
24	Dr. Sali Ndingang	ISAAC DONKOR	AfricaRice	Seed4Liberia Project Manager	[Signature]
25	Christina HEFEL		UNIDO	Chief Technical Advisor; representing Ms. Christina HEFEL, Food safety Initiative Project Manager	[Signature]
26					
Soils4Liberia Implementation Team					
27	Dr. Bas Kempen		ISRIC	ISRIC rep	
28	Dr. Adam Caomba		MATE	MATE rep	
29	Dr. Lionel Kadja		Regional hub	Director	
30	Sehcu Kouho		Regional hub	Technical rep	
31	Samuel A. Mesele		Regional hub	Technical rep	

Dennis B. Grotz	MORA	Soil Technician	Soil Officer	
Philip T. Singbah	MOA	Soil Specialist	Soil specialist	
Thomas George	IITA	Soil fertility improver	State holder	
Hann Temgna	CARI	Soil Scientist	Soil Scientist	
Yarkpawolo K. Johnson	NAFAA	Land & Water Management	Associate Director	
Dr. Arthur B. Kammah	CARI/DG	Geneticist	Director General	
Albertha S. Koijee	MOA	Soil Technician	Soil Technician	
Quaqua S. Mulbah	CARI	Agronomist / Plant Breeder	Sr. Res. Off.	
Salia Sheriff	UL	Soil Health/Env.	Director	
Oliver K. Tarzo	Stella Maris	Developmentalist/Dean	Director	
ADAM CSORBA	MATE	Soil Scientist	Associate Professor	
Eric Asamoah	ISRIC	Soil Scientist	Research	

Name	Institution	Experience	Position	Signature
Daniel M. S. Deaf	IITA	Communitarian	Staffholder Engagement and Comm. Officer	
Joseph A. Koilol	IITA	Doctor	Deputy Management Officer	
Edward Russell	IITA	Soil Scientist / Research Assoc.	Research Associate	

Name	Institution	Contact	Signature
1. Thomas George	IITA	0770182453	
2. Joseph A. Koilol	IITA	0886493825	
3. H. Edward Russell	IITA	0887014209	
4. Bas Kempen	ISRIC	+316 14327528	
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7. Oliver K. Tarzo/Stella Maris		0776697573	
8. Salia S. Sheriff	UL	0880450586	
9. Quaqua S. Mulbah	CARI	0886385915	
10. Albertha S. Koijee	MOA	0775591631	
11. Yarkpawolo K. Johnson	NAFAA	0775534902	
12. Daniel M. S. Deaf	IITA	0778436199	

- | Name | Institution | Contact | Signature |
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Soils4Liberia Technical Sessions Attendance Sheet

No.	Name	Address	Phone Number	Date	Signature
1.	Clifford A. Forte	Jth Street Sinkor	0777016432	24/10/25	
2.	Dennis D. Gofeh	Johnsarkella	0881404051	24/10/2025	
3.	Philip T. Singbah	Dupont Road, Nyesivilla	0774325888	24/10/2025	
4.	Harin Tanguoi	Yamfuh Sinkor yamfuh@caris.gov.com	(CARI) 0886690274	24/10/25	
5.	Edward Russell	IITA-Liberia	0887014209	24/10/25	
6.	Thomas George D.	IITA-Liberia	077082453	24/10/25	
7.	Joseph A. Ko.oi	IITA Liberia	0886498825	24/10/2025	
8.	Bas Kempen	ISRIC	+31614321120	24/10/25	
9.	Adam Corbe	MATE	+36 20275826	24/10/25	
10.	Eric Asamoah	ISRIC	+31622919291	24/10/25	
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Soils4Liberia Technical Sessions Attendance Sheet

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12.	Salia S. Sheriff	sheriffss@ul.edu	07726671005	24/10/25	[Signature]
13	Quagna S. Mulbah	QMulbah@carri.gov.lr	0886385915	24/10/2025	[Signature]
14.	Alberta S. Koijee	koijee@berthas.com	0775591631	24/10/25	[Signature]
15	Arthur B. Karmah	akarmah@gmail.com	0776-075-946	24/10/25	[Signature]
16	G. Moses Zofie	mzduwa@moz.gov.lr	0886598781	24/10/25	[Signature]
17	Joy J. OLADIMEJI	IITA, CAR2, Bong	0775496426	24 Oct 25	[Signature]
	Fatoumata Ouattara	IITA, CAR2, Bong	0775695937	24/10/2025	[Signature]
19	Jerry O. TOKAO	IITA, Bong	0886656620	Oct. 24, 2025	[Signature]
20	Roland T. Korkoyah	IITA/Bong	0777244550	24/10/2025	[Signature]

NAME	POSITION	NUMBER	SIGNATURE
1. ABEL T. YANCI	Driver	0775584214	[Signature]
2. Joseph A. Keibor	Data Management Officer	0886693825	[Signature]
3. H. Edward Russell	Research Associate	0887014209	[Signature]
4. Naveen Tobi-Pejibo	Office Support Assist	0886.385777	[Signature]
5. Madeleine M. Gamys	Accounting Assistant	0880394323	[Signature]
6. Michael T. Def	Systems Agronomist	0777406205	[Signature]
7. Jerry O. TOKAO	Research Asst.	0886656620	[Signature]
8. Roland T. Korkoyah	Research Asst	0777244550	[Signature]
9. Joy J. OLADIMEJI	Soybean Consultant	0775496426	[Signature]
10. Fatoumata Ouattara	coffee consultant	0775495937	[Signature]
11. Thomas Gbokie, Jr.	stakeholder, partner	0776182453	[Signature]
12. Samuel Mesele	Soil Scientist/Ag. Manager (Car. I)	0774232684	[Signature]
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15. Bobby E. Curry	Driver	0776924618	[Signature]