



1st

KALRO Socio-Economics and Policy Development (SEPD)

Conference & Exhibition

**Building Resilient Agri-food Systems
through Socio-economic and Policy
Research**

PROGRAMME

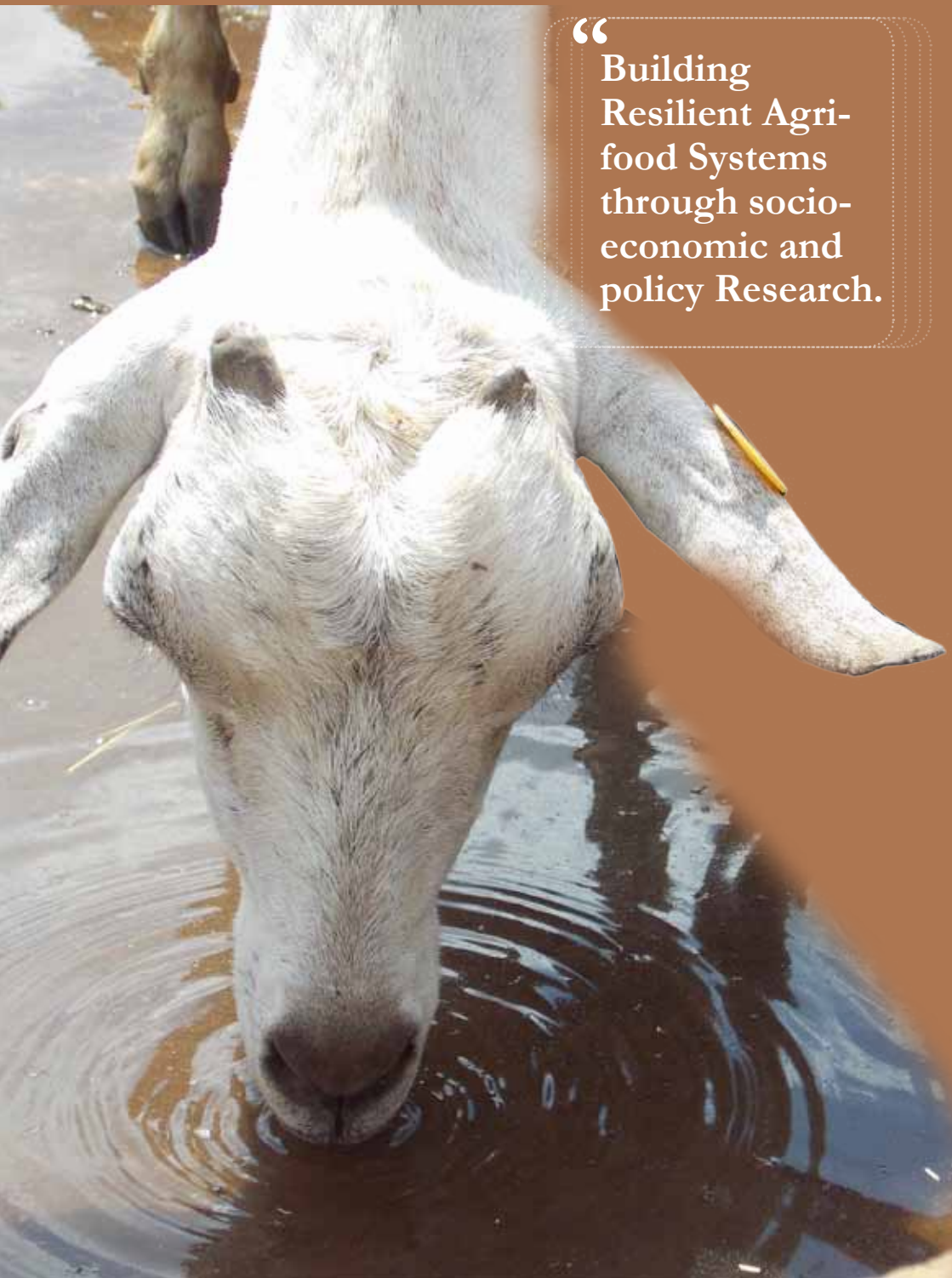


**NUTRITION
CITY ECOSYSTEMS**

10-12 June 2025

KALRO Headquarters

Hybrid Conference



“
Building
Resilient Agri-
food Systems
through socio-
economic and
policy Research.”

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ACKNOWLEDGMENT

The SEPD Conference Secretariat acknowledges the contributions of all researchers, reviewers, organizing team members, partner institutions, and KALRO management for making this inaugural event a success. Special thanks go to our keynote speakers, session chairpersons, and all presenters.

We gratefully acknowledge the support of the following sponsors:

1. Kenya Agriculture & Livestock Research Organization (KALRO)
2. Korea Africa Food and Agriculture Cooperation Initiative (KAFACI)
3. African Women in Agriculture Research Development (AWARD)
4. Sustainable Agriculture Foundation (SAF)-Nutrition in Cities Ecosystem (NICE) project



NUTRITION *in*
CITY ECOSYSTEMS

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KEYNOTE SPEAKERS BIOGRAPHIES

GUEST OF HONOUR



Dr. Eliud Kireger (Phd OGW)

**Director General, Kenya
Agricultural & Livestock
Research Organization (KALRO)**

Dr. Kireger holds a PhD in Plant Ecophysiology from University of Wales, United Kingdom (1999–2003), Masters of Science in Plant genetics and Ecophysiology from University of Toronto, Canada, (1990 –1993) and Bachelor's Degree in Forestry from Moi University Kenya, (1984 –1987). He acquired his A Level and O Level from Alliance High School (1977 – 1982). Dr. Eliud Kiplimo Kireger (OGW) has over thirty-four (36) years' experience in the field of Agriculture. Currently, he is the Director General/CEO of Kenya Agricultural & Livestock Research Organization (KALRO). Prior to this appointment, he served as the Managing Director/CEO of the Tea Research Foundation of Kenya; Dean School of Natural Resource and environmental Management, University of Kabianga, Kericho, Dean; School of Natural Resource Management and School of Agriculture and Biotechnology, Kabianga University College (A constituent College of Moi University); Senior Lecturer and Director of Privately Sponsored Students Programme, Chepkoilel Campus, Moi University; Lecturer and Post Graduate Programme Coordinator, Moi University; Part-time Lecturer, Department of Botany & Horticulture, Maseno University; Tutorial Fellow, Moi University, Graduate Research Assistant, Moi University; Deputy Project Manager, Kenya Forestry Research Institute Social Forestry Project, Kitui; and Assistant Research Officer, Kenya Forestry Research Institute.

Dr. Kireger is currently the Consultative Group for International Agricultural Research (CGIAR) System Council alternate member, Sub-Saharan Africa constituency, System Council Active Observer on the Consultative Group for International Agricultural Research (CGIAR) System Board. Member of ASARECA board and Chair of Resource Mobilization Committee. Centre for Agriculture and Bioscience International (CABI) Active Observer to the Board, Centre for Agriculture and Bioscience International (CABI) Liaison Officer for Kenya, Member of the Board of Management of Kenya Veterinary Vaccines Production Institute, Member of the Board of Management of Kenya Animal Genetic Resources Centre (KAGRC), Member of the Board of Management of Pest Control Products Board, Member of Grassland and Rangeland Society of Kenya. He also served as a Member of the Board of Management of Kenya Agricultural Research Institute (KARI) where he chaired the Audit Committee. He has mentored many young scientists and supervised many graduate research projects at BSc, MSc and PhD levels at both Moi and Kabianga Universities.

KEYNOTE SPEAKERS



Dr. Adiel Mbabu

**Development consultant,
CAPDEV Consultants Limited**

Dr. Adiel Mbabu is currently serving as a development consultant with CAPDEV Consultants Limited. He previously served as the Regional Director for the International Potato Center (CIP) in sub-Saharan Africa. In this position, he provided programmatic oversight

for research and development portfolio; provided leadership in regional operational systems; and played a representational role for CIP in sub-Saharan Africa (SSA).

Dr. Mbabu previously served as Manager for Reaching Agents of

Change (RAC), a project co-hosted by CIP and Helen Keller International (HKI). The RAC project advocated for supportive policies and new investments by governments, donors and NGOs to scale-up adoption of Orange-Fleshed Sweet potato (OFSP) in selected countries. RAC also built capacity of implementing agencies to design and implement technically strong and cost-effective interventions to drive OFSP uptake. Countries of focus included Mozambique, Nigeria, Tanzania, and to a lesser extent Ghana and Burkina Faso.

Before joining CIP, he served as Senior Adviser –Agriculture Development (AusAID) and as Technical Director, Agricultural Research and Development Support Facility in Papua New Guinea (PNG). As Technical Director, Dr. Mbabu was engaged in supporting selected national agricultural research organizations to develop and implement results-based strategic plans, translating these plans into impact-oriented programs and projects and to build human and organizational capacity to deliver on the emerging portfolio. Under his role as Senior Adviser-Agriculture Development, he provided advice to AusAID, PNG Post and PNG government on potential areas of investment to meet national development objectives.

Dr. Mbabu also served as Senior Research Fellow for Organization and Management of Agricultural Research Program with the International Food Policy Research Institute (IFPRI), ISNAR Division; Technical Officer, Program Planning at the Association for Strengthening Agricultural Research in East and Central Africa (ASARECA); as Planning, Management and Evaluation Adviser/interim Assistant Director - Socio-economics & Biometrics division, Kenya Agricultural Research Institute (KARI); as Research Fellow at the International Service for National Agricultural Research (ISNAR); and as Resident Scientist for the Small Ruminant Collaborative Research Support Programme (SR-CRSP), sociology project (Kenya site), on behalf of the University of Missouri-Columbia, in collaboration with the Kenya Agricultural Research Institute.



Prof. Gideon Obare

Agricultural economist, Director of Kenya's premier agricultural policy think tank at Tegemeo Institute of Agricultural Policy and Development, Egerton University

Professor Gideon Obare is a distinguished agricultural economist, and at the Tegemeo Institute of Agricultural Policy and Development, is the director of Kenya's premier agricultural policy think tank at Egerton University. With over two decades of post-doctoral experience, he has built a formidable reputation for his leadership in policy research, advocacy, and capacity building to improve food security and rural livelihoods in East Africa. Professor Obare's academic journey spans a PhD in Agricultural Economics from Egerton University, a Master's degree from Kiel University in Germany, and a Bachelor's degree from the University of Nairobi, complemented by a postgraduate diploma from the University of Kassel. His expertise encompasses sustainable agricultural intensification, climate adaptation, and input markets, cooperative structures, and consumer preferences, strongly emphasising translating empirical research

into actionable policy solutions for smallholder farmers and rural communities.

Throughout his career, Professor Obare has demonstrated a commitment to international collaboration. He has been a visiting fellow and professor at institutions such as ICRISAT, the University of Hohenheim, and Tohoku University. He has led significant research initiatives, including the Adoption Pathways Project, and has published extensively in peer-reviewed journals while presenting at numerous conferences. As a mentor, he has supervised dozens of graduate students who have gone on to influential roles in academia, government, and the private sector. Professor Obare's vision is rooted in the belief that rigorous research, effective policy engagement, and strong institutional leadership are essential for achieving sustainable development and food security in Africa, and his work continues in the region.



Dr. Joseph Karugia

**Principal Scientist at the
International Livestock Research
Institute (ILRI), Nairobi, Kenya**

Joseph Karugia (PhD) is a Principal Scientist at the International Livestock Research Institute (ILRI), Nairobi, Kenya with expertise in agricultural economics and policy. He leads the Foresight and Policy team in the People, Policies and Institutions Program of ILRI. Joseph is also serving as the CGIAR Country Convener for Kenya. For about fourteen years until September 2021, Joseph was the Coordinator of the Eastern and Central Africa Node of the Regional Strategic Analysis and Knowledge Support System (ReSAKSS) which was, at the time, facilitated by ILRI and the International Food Policy Research Institute (IFPRI). ReSAKSS is an information and knowledge management initiative with the objective of providing data, information and knowledge to governments, donors, and other stakeholders to improve the formulation, implementation,

monitoring and evaluation of the Comprehensive African Agriculture Development Programme (CAADP), Africa's blue print for transforming agri-food systems.

Prior to joining ILRI, Joseph was Research Manager at the African Economic Research Consortium (AERC), a premier economics research institution with a mandate of building capacity in policy-oriented economic research in sub-Saharan Africa. He was a faculty member at the University of Nairobi for more than twenty-eight years and served as Chairman of the Department of Agricultural Economics in 2002-2003. He has published numerous scholarly papers and is a member of several professional bodies. He holds B.Sc. and M.Sc. degrees from the University of Nairobi, and a Ph.D. in Agricultural Economics from the University of Alberta, Canada.



Dr. Annet Abenakyo Mulema

**Senior Program Officer,
International Development
Research Centre**

Dr. Annet Abenakyo Mulema is a Senior Program Officer at the International Development Research Center (IDRC), overseeing the Growth and Economic Opportunities for Women – East Africa Initiative, which aims to spur transformative change to advance gender equality in the world of work and beyond. Before joining IDRC, Annet worked as a Scientist -Gender at the International Livestock Research Institute in Ethiopia and Kenya where she led the integration of gender in livestock systems and climate change policy processes. She has over 15 years of research experience focusing on gender analysis, women's

empowerment, the care economy, gender capacity development, agri-food systems, gender transformative approaches, labour market segregation and fostering research uptake into policies and practice. She has contributed to the body of knowledge on gender including peer-reviewed journal articles and mentored young career women. Annet holds a Ph.D. in Sociology and Sustainable Agriculture from Iowa State University, MSc. in Management of Agro-Ecological Knowledge and Socio-technical change from Wageningen University and a BSc. in Agriculture from Makerere University. She is an alumnus of the AWARD Fellowship.





Dr. Lusike Wasilwa

**Director Crop Systems, Kenya
Agricultural & Livestock
Research Organization (KALRO)**

Dr. Lusike Wasilwa works for Kenya Agricultural & Livestock Research Organization (KALRO) as Director Crop Systems. She has research experience of over 39 years and authored or co-authored several scientific articles, books, technical papers and publications with an emphasis in molecular plant pathology, horticulture, industrial and food crop production value chains. Recently, her research efforts focus on mainstreaming biodiversity to contribute to food, nutrition and income security. These efforts are coupled with increased utilization, conservation and commercialization of underutilized fruits. She also promotes use of precision agriculture for increased production and productivity with special emphasis in reduction of losses attributed to pests, diseases, and pre-and-postharvest losses, advancing best production practices. Dr. Wasilwa serves on the Tupande (One Acre Fund) Advisory Council; an advisory board member of Emerge Africa (PICO East Africa); and an USTADI board member. She has also served on the International Advisory Board of the Horticulture Innovation Lab;

a governing board member of the East African Science & Technology Commission (EASTEKO) of the East African Commission, a board member of Pest Control Products Board; a board member of Kenya National Accreditation Service (KENAS); advisory committees of Horticulture Impact Project-SNV; and Chair and Vice Chair of the Horticulture International Advisory Board for HortCRSP. She served as the Chair of the Southern and Eastern Cotton Forum (SEACF); a member of the Kenya Agricultural Productivity Programme (KAPP); the Commission for Higher Education (CHE) and the Kenya Agricultural Productivity and Agribusiness Programme (KAPAP) and Kenya Climate Smart Agriculture (KCSAP) grants advisory and approval committees. In 2010, she was recognized by the African Women in Agriculture Research Development (AWARD) for her dedication and commitment to excellence in mentoring from 2008 to 2010. Dr. Wasilwa is a recipient of 3 medals from International Society for Horticultural Science (ISHS) in recognition of service.



Dr. Kipkemoi Changwony

**Director, Livestock Systems,
Kenya Agricultural & Livestock
Research Organization (KALRO)**

Dr. Kipkemoi Changwony is the Director, Livestock Systems at KALRO. He works in liaison with the Deputy Director General in charge of Livestock. His duties include coordination of livestock systems research and policy briefs, determination of resource needs for livestock systems research, collaboration and partnerships, review of research publications and proposals and research priority setting as well as monitoring and

evaluation of research programs and projects. He holds a PhD in Animal Nutrition from The University of Bonn, Germany. His publications include 18 Journal and conference papers and several technical project reports. He has previously served as a Member of the Board of Directors at the Kenya Veterinary Vaccine Production Institute as a representative of the Director General, KALRO.



Dr. David M. Kamau,

**Director, Environment & Natural
Resource Management, Kenya
Agricultural & Livestock Research
Organization (KALRO)**

Dr. David M. Kamau holds a PhD in Production Ecology & Resource Conservation from Wageningen University, Netherlands; MSc in Soil fertility from the University of Melbourne, Australia; and a BSc (Hons) from the University of Nairobi. Has previously worked as a Chief Research Scientist and Head, Sustainable Ecosystem Management & Conservation

Programme and at the Tea Research Foundation of Kenya and, senior soil scientist at the Kenya Forestry Research Institute. Main research interest areas are; Soil fertility and plant nutrition, fertilizer use, chemistry of acid soils, Agro ecology, and Genotype x Environment x Management interactions in agro-ecosystems. He is the current Chair of the 'Fertilizers and Soil Conditioners'

Technical Committee at the Kenya Bureau of Standards. Has been an active member of the Soil Science Society of East Africa from 1992. David has published widely and contributed towards development of many policy documents in the Agricultural sector. He is also actively involved in professional training in his area of specialization under the Professional Trainers Association of Kenya.



Dr. Mumina G. Shibia

**Director Planning, Performance Management, and Quality Control
Kenya Agricultural and Livestock Research Organization (KALRO)**

Dr. Mumina Guyo Shibia holds a Ph.D. in Agricultural and Applied Economics from Texas Tech University in the United States, MSc. and BSc. in Agricultural and Applied Economics, and a Diploma in Agricultural Education and Extension from Egerton University in Kenya. She has a Monitoring and Evaluation Leadership certification in Learning from Washington State University. Dr. Shibia is passionate about agricultural development and agri-food systems. She is the

Director Planning, Performance Management, and Quality Control, a Chief Research Scientist with expertise in agricultural and applied economics, and a policy analyst at the Kenya Agricultural and Livestock Research Organization (KALRO). Mumina has over 16 years of work experience coordinating agricultural development projects, programs, and designing evidence-based scientific socio-economic, and policy research. Principally in agri-food systems, research,

education, outreach, policies and strategies, consulting, and capacity-building programs. She led a team of experts from KALRO, the University of Nairobi, the Ministry of Agriculture and Livestock Development, the Kenya Marine and Fisheries Institute, and North Carolina State University to develop the Connecting Research Education and Outreach (CREdO) program, which costs USD 10 million. Mumina fully understands Kenya's agricultural development, agri-food systems research, and outreach landscape, including priorities, challenges, and socio-economic dynamics. She has received key awards: Top 25 Women Behind Kenya's Agriculture Sector Growth, Reforms and Transformation; a Borlaug Higher Education for Agricultural Research and Development scholar; and a research fellow for the Structural Transformation of African Agriculture and Rural Spaces. She is a good team leader, communicator, trainer, and mentor. She is a member of various professional organizations and has published in reputable sources. Mumina is a member of the Board of the Kenya Veterinary Board.



Mr. Salim Juma Kinyimu

**Director, ICT at Kenya
Agricultural & Livestock
Research Organization (KALRO)**

Mr. Salim is an expert in Distributed Computing Technology (DCT) with a Master's Degree in DCT from the University of Nairobi. Currently, he is the Team Lead for Agricultural Digitization at KALRO, spearheading the implementation of various digital initiatives in the agricultural sector across Kenya. He has successfully implemented

the Digital Climate Advisory Information System for Agriculture, which has proven to be a valuable tool for 5 million farmers in making informed decisions about their farming practices in response to climate conditions. He is actively supporting actors in the Digital for Agriculture (D4Ag) space by providing them with High-

Performance Computing resources and enabling environment to scale their innovation to a national level through the KALRO Big Data initiative. This support has been instrumental in accelerating data innovation and efficiency in the agricultural sector within Kenya.

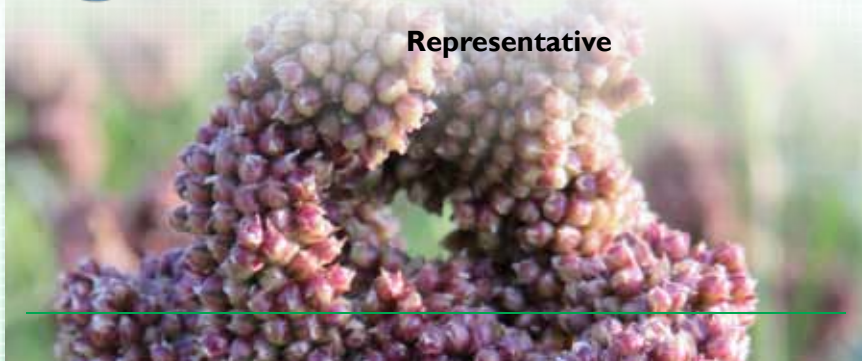
Over the past four years, he has focused on coordinating numerous digital initiatives in agriculture from the public sector. Notable achievements include the implementation of the National Farmer Register, a vital database that enables better targeting of agricultural interventions and support. Furthermore, he has been the team lead in developing agricultural use cases specifically tailored for farm-level interventions in micro-climatically sensitive areas, which can be accessed through platforms like www.kaop.co.ke and <https://selector.kalro.org>. These platforms provide localized and tailored information to improve agricultural practices. Salim is currently leading a transformative initiative to establish digital agricultural registers as a public good, integrating a unique farmer identifier across various sectors, including farm registries, soil data, markets, cooperatives, weather services, and input/output providers. This effort is a crucial foundational step in advancing Kenya's Digital Public Infrastructure for the agricultural ecosystem. Other ongoing National activities that Salim is working on through leveraging functional PPP include; Development of digital soil fertility maps for policy decisions and farm-specific recommendations to enhance agricultural productivity in Kenya, Agri-preneur Business Acceleration Model.



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Representative





Dr. Michael Waithaka

Chief Editor, The African Seed Access Index (TASAI)

Dr. Michael Waithaka is the Chief Editor, The African Seed Access Index (TASAI) Inc. He has extensive experience collaborating with diverse stakeholders on policy processes. He has decades of experience managing applied agricultural research on markets and policy reforms. Prior to joining TASAI Inc., he worked at the Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA),

the International Livestock Research Institute (ILRI) in Nairobi and the Kenya Agricultural Research Institute. Michael holds a PhD degree in Agriculture from Humboldt University, MSc degree in Agricultural Economics and Business from the University of Guelph, and a bachelor's degree in agriculture from the University of Nairobi. He is based in Nyeri, Kenya.



Dr. Beatrice Muriithi

Gender and Impact Assessment Expert at the Integrated Socioeconomics, Data and Analytics Platform, of the International Centre of Insect Physiology and Ecology (icipe) in Nairobi

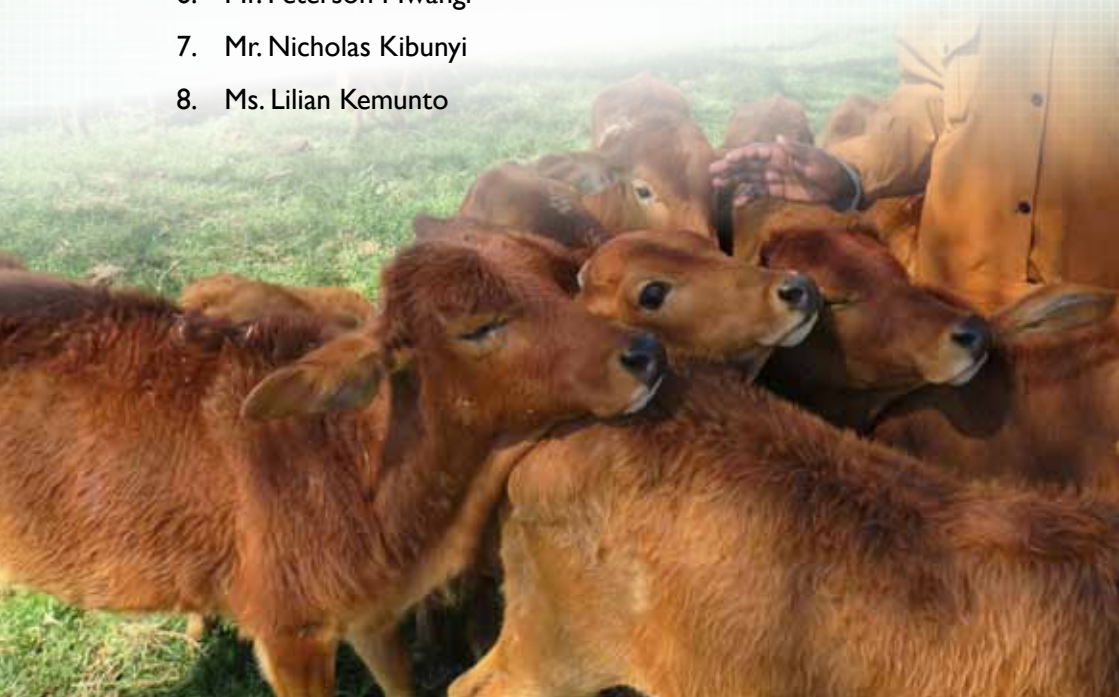
Dr. Beatrice Muriithi holds a PhD in Agricultural and Development Economics from the University of Bonn, Germany. She is currently a Gender and Impact Assessment expert at the Integrated

Socioeconomics, Data and Analytics Platform of the International Centre of Insect Physiology and Ecology (icipe) in Nairobi. Her research focuses on inclusive technology adoption and the socio-

economic and environmental impacts of agricultural innovations in Sub-Saharan Africa. She specializes in gender analysis, impact assessment, and institutional economics, employing mixed research methods. Previously, she held positions at Kenya's Ministry of Agriculture and Livestock Development, the International Livestock Research Institute (ILRI), and the Center for Development Research (ZEF). She has published over 40 peer-reviewed articles.

Overall Rapporteurs

1. Mr. Reuben Ruttoh
2. Ms. Betty Cheroigin
3. Mr. Peter Nduati
4. Ms. Tabby Karanja
5. Mr. Elias Kamau
6. Mr. Peterson Mwangi
7. Mr. Nicholas Kibunyi
8. Ms. Lilian Kemunto





CONFERENCE PROGRAM

Monday, 9th June, 2025

Time	Activity	Venue	Facilitator
	Arrival to Hotel venues	Booked Hotels	Secretariat

CONFERENCE PROGRAM DAY ONE

Tuesday 10th June, 2025

VENUE: MAIN CONFERENCE HALL

**SESSION ONE: PLENARY KEYNOTE
PRESENTATION AND OPENING CEREMONY**

CHAIRPERSON: DR. FREDAH MAINA

**RAPPORTEUR: DR. MUO KASINA AND MR.
NICHOLAS KIBUNYI**

Time	Activity	Facilitator
08.00am - 08.30am	Registration	Secretariat
08.30am - 08.40am	Prayers introductions	
08.40am - 08.50am	Welcome remarks	Dr.Alice Murage, Ag. Director SEPD
08.50am - 9.10am	Setting the scene: Bridging biophysical and socio-economic research for resilient food systems: Towards integrated solutions for sustainable agricultural transformation	Dr Adiel Mbabu
9.10am - 9.30 am	Harnessing Research Methods and Data-driven Analytics for Evidence- based Decision-making in Building Resilient Food Systems	Prof. Gideon Obare – Director Tegemeo

9.30am -9.50 am	Strengthening policy responses for resilient food systems: Insights from NARS-CGIAR collaborative research and impact Contribution of Crop	Dr. Joseph Karugia
9.50 – 10.00 am	Plenary discussions	
10.00 – 10.20 am	Remarks from Korea-Africa Food & Agriculture Cooperation Initiative (KAFACI)	Dr. LEE Kyung-Tai, Secretary General Korea-Africa Food & Agriculture Cooperation Initiative (KAFACI) Rural Development Administration
	World Bank Representative	Ghada Elabed
	Remarks from NAVCDP Coordinator	Dr. Samuel Guto
	Remarks from FSRP Coordinator	Ms. Priscila Muiruri
10.20am -10.30 am	Remarks from the DDG Livestock	Dr. Evans Ilatsia
	Remark by DDG Crops	Dr. Felister Makini
10.30am -11.00 am	Opening Remarks by Director General, KALRO	Dr. Eliud Kireger
11.00am - 11.30 am	Group Photo	Communication
	Health Break	Catering services
Parallel sessions in various break out room		



DAY ONE: PARALLEL SESSION TWO (2A)

VENUE 1: MAIN CONFERENCE HALL

SUB THEME: ECONOMIC ANALYSIS, ADOPTION AND IMPACT ASSESSMENT

CHAIRPERSON: DR. MARTINS ODENDO

**RAPPORTEUR: NICHOLAS KIBUNYI AND
LILIAN KEMUNTO**

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUBI-008	1. Assessment of Smallholder Farmers Perceptions and Preferences of New Sorghum Varieties to Enhance Promotion and Adoption in Makueni County, Kenya	Rachael Kisilu
11:45am - 12:00pm	SUBI-010	2. Impact analysis of the new green gram and grain amaranth varieties upscaled in Kitui County, Kenya	Peter K. Nduati
12:00pm - 12:15pm	SUBI-011	3. Socioeconomic Aspects of Climate Change Mitigation and Adaptation in Kenya: Evidence from Smallholder Farmers	Dymphina Andima
12:15pm - 12:30pm	SUBI-014	4. Catchment Conservation through Joint Adoption of Technological and Non-technological Water Management Strategies in Kenya. (Poster)	Simon Mwaura

12:30pm - 12:45pm	SUBI-003	5. Impact of Technologies Innovations and Management Practices Adoption by Smallholder Dairy Farmers in Nyeri County. (Poster)	Shadrack Musembi Mathuku
12:45pm - 01:00pm	SUBI-034	6. Effects of socioeconomic factors on smallholder farmers' preference for selected improved maize seed varieties in Trans Nzoia County, Kenya. (Poster)	Alice Jemutai Cheruiyot

DAY ONE: PARALLEL SESSION TWO (2B)

VENUE 2: BOARD ROOM

SUB THEME: AGRICULTURAL POLICY RESEARCH

CHAIRPERSON: DR. WELLINGTON MULINGE

RAPPORTEUR: ELIAS KAMAU AND JOSEPHAT CHENG'OLE

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUBI2-002	1. Policy Prioritisation for Value Chain Analysis	Tim Njagi
11:45am - 12:00pm	SUBI-005	2. The Impact of Technology Adoption on Income and Food Security: Policy Implications for Finger Millet Farmers in Western Kenya	Josephat Chengole Mulindo

12:00pm - 12:15pm	SUB6-002	3. The impacts of community-based water projects on rural poverty among smallholder farmers: evidence from the Ewaso Ngiro North Catchment Area, Kenya.	Simon Mwaura
12:15pm - 12:30pm	SUB6-005	4. Integrative approaches to agricultural policy: balancing productivity and sustainability	Mark Limo
12:30pm - 12:45pm	SUB6-007	5. Integrated Disease Management Strategies and Policy Implications for <i>Phytophthora cinnamomi</i> in Avocado Production in Kenya	Wilfred Mwo Yona
12:45pm – 01:00pm	SUB6-008	6. Trend Analysis of Implicit Adoption of Climate Resilient Varieties in Kenya: A case of Maize and Bio fortified Bean Varieties	Wellington Mulinge
01.00pm - 2.00 pm	Lunch break		

DAY ONE: PARALLEL SESSION TWO (2C)

VENUE 3: ROOM 207

SUB-THEME: AGRICULTURAL RESEARCH METHODS AND ANALYTICS

CHAIRPERSON: DR. ALICE MURAGE

RAPPORTEUR: PETER NDUATI AND MS SERAH MUNYUA

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUB7-006	1. The Role of Education in Moderating the Impact of Cassava Varieties and Fertilizer Application Levels on cassava Production in Western Kenya	Elias Gitonga Thuranira
11:45am - 12:00pm	SUB7-009	2. Bridging the Gap: Aligning Farmers' Seed Demand with Research Methods in Kenya	George Maritim Kibet
12:00pm - 12:15pm	SUB7-011	3. Economic viability and Technical efficiency of African Indigenous Vegetables in Kisii and Kakamega Counties, Kenya	Serah Wairimu Munyua
12:15pm - 12:30pm	SUB7-014	4. Performance of advanced clones and their yield potential at KALRO Tigoni	Kelele Faida John
12:30pm - 12:45pm	SUB9-018	5. Calf Sex Ratio in Dairy Cattle Under the Semi-Intensive System of The Production: A Case Of KALRO, Dairy Research Centre Ol Joro Orok	Zachary Nyaga Muturi
12:45pm - 01:00pm	SUB7-016	6. Statistical evaluation of passionfruit performance in Kisumu, Siaya, Vihiga, Kakamega and Bungoma Counties under Agri-Jobs 4 Youth project.	Simon B. Wepukhulu
01:00pm - 2:00 pm		Lunch break	

DAY ONE: PARALLEL SESSION THREE (3A)

VENUE I: MAIN CONFERENCE HALL

SUB THEME: : ECONOMIC ANALYSIS, ADOPTION AND IMPACT ASSESSMENT

CHAIRPERSON: DR. MUMINA SHIBIA

**RAPPORTEUR: PETERSON MWANGI AND
STEPHEN NDAIGA**

Time	Submission No.	Paper Title	Author
02:00pm - 02:15pm	SUBI-016	1. Farmer Participation in Tricot Trials and Market-Driven Sorghum Variety Selection in Makueni County.	Winnie Agola Rapada
02:15pm - 02:30pm	SUBI-018	2. Factors Influencing the Adoption of Improved Wheat Seed Varieties Among Smallholder Farmers in Kenya	Ruth Chepngeno Mutai
02:30pm - 02:45pm	SUBI-021	3. Information Gathering and the Adoption of Improved Crop Varieties in Kenya: Case of Wheat Farmers in Nakuru County	Stephen Waithaka Ndaiga
02:45pm - 03:00pm	SUBI-023	4. Determinants of adoption of sustainable agricultural technologies on pixie production in Makueni county, Kenya	Wambua Samuel Muuo

03:00pm - 03:15pm	SUBI-056	5. Effects of UTZ cocoa certification on productivity and income of cocoa farmers in the Western North Region of Ghana	Rebecca Owusu
03:15pm – 03:30pm	SUBI-060	6. Towards zero hunger and climate resilience: The role of beans in CSA strategies. (Poster)	Ann W. Gichangi et al

DAY ONE: PARALLEL SESSION THREE (3B)

VENUE 2: BOARD ROOM

SUB THEME: CLIMATE CHANGE ADAPTATION AND MITIGATION STRATEGIES

CHAIRPERSON: DR. STELLA MAKOKHA

RAPPORTEUR: MS BETTY CHEROIGIN AND CLINTON OCHIENG

Time	Submission No.	Paper Title	Author
02:00pm - 02:15pm	SUB8-003	1. Evaluation of black soldier fly larvae (<i>Hermetia illucens</i>) frass as biopesticide and biofertilizer on kales (<i>Brassica oleracea</i>)	Clinton Ochieng Otieno
02:15pm - 02:30pm	SUB8-004	2. Enhancing Food Security through Climate-Smart Adaptation and Mitigation Strategies	Nephiny Moriato Nyagaka
02:30pm - 02:45pm	SUB8-006	3. Agro pastoral communities' perceptions on indigenous browse resources of the north central rift region, Kenya.	Joseph K. Sitiene

02:45pm - 03:00pm	SUB8-007	4. Effectiveness of Mitigation strategies on Food Security in Narok County's Cross-Border Conflict Zones, Kenya	Jedidah Chepkoech Kiget
03:00pm - 03:15pm	SUB8-010	5. Sustainable maize production for food security: Climate resilience through intensification and tillage practices in Nakuru County, Kenya.	Brian Imisa Sakwa
03:15pm - 03:30pm	SUB8-009	6. Review: Understanding the Impact of Pest Resistance and the Growing Antimicrobial Resistance Crisis through One Health Approach on Crop Yield and Health Consequences in Kenya. (Poster)	Kiplanga Cheruiyot Titus
03:30pm – 03:45pm	SUB8-005	7. Zero Waste Concept to Support Green Economy in Coffee/Beans Production Value Chain System	Isaiah Kiprop keter

DAY ONE: PARALLEL SESSION THREE (3C)

VENUE 3: ROOM 207

SUB THEME: GENDER AND SOCIAL INCLUSION IN AGRI-FOOD SYSTEMS RESEARCH

CHAIRPERSON: DR. JESSICA NDUBI

RAPPORTEUR: MS. TABBY KARANJA AND JAMILA MANI

Time	Submission No.	Paper Title	Author
02:00pm - 02:15pm	SUBI-029	1. Are there gender differences in determinants of Newcastle disease vaccination on household income? A case study of Machakos County, Kenya	Tabby Karanja-Lumumba
02:15pm - 02:30pm	SUBI0-006	2. Narrowing the gender gap in Kenya's wheat farming: advancing inclusive and equitable innovation	Anna W. Gichangi
02:30pm - 02:45pm	SUBI0-009	3. Intersectional Identities and Maize Trait Preferences in Kenya	Emily Injete Amondo
02:45pm - 03:00pm	SUBI0-003	4. Market access and multidimensional poverty among women peanut processors in Kaduna state, Nigeria: examining barriers and livelihood outcomes (Poster)	Jamila Rabe Mani
03:00pm - 03:15pm	SUBI0-007	5. Gender and Banana Production and Commercialization in Tharaka Nithi County, Kenya	Jessica Ndubi



DAY ONE: PARALLEL SESSION FOUR (4A)

VENUE: MAIN CONFERENCE HALL

SUB-THEME: CLIMATE CHANGE ADAPTATION AND MITIGATION STRATEGIES

CHAIRPERSON: DR. DAVID CHANGWONY

**RAPPORTEUR: NICHOLAS KIBUNYI AND
ZILPHER NYAKWARA**

Time	Submission No.	Paper Title	Author
03:30pm - 03:45pm	SUB8-013	1. Climate change mitigation strategy for food and nutrition in pastoral areas of Kajiado County	Esther K. Muriuki
03:45pm - 04:00pm	SUB8-019	2. Unlocking the potential of castor (<i>Ricinus communis</i> L.) for phytoremediation in Kenya	Peter Njuguna
04:00pm - 04:15pm	SUB8-022	3. From awareness to action: implementing climate change mitigation in agriculture.	Mark Limo
04:15pm - 04:30pm	SUB8-016	4. Economic analysis of mango flower induction technologies in Kenya. (Poster)	Rukia Kosi Jirma
04:30pm - 04:45pm	SUB8-037	5. Economic impact of climate change on cowpea and pigeon pea productivity in semi-arid environment. (Poster).	Reuben Cheruiyot Ruttoh



04:45pm - 05:00pm	SUB8-014	6. Potential environmental risks during fall armyworm management strategies by smallholder farmers in Bomet County, Kenya. (Poster)	Zilpher Nyakwara
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HEALTH BREAK AND END OF DAY I

DAY ONE: PARALLEL SESSION FOUR (4B)

VENUE: BOARD ROOM

SUB THEME: AGRICULTURAL FINANCING AND INVESTMENT

CHAIRPERSON: MR. CHARLES BETT

RAPPORTEUR: ELIAS KAMAU AND DOUGLAS GITARI

Time	Submission No.	Paper Title	Author
03:30pm - 03:45pm	SUB4-001	1. Enhancing financial inclusion: Key drivers of financial access among small-scale potato farmers in Narok County Kenya	Douglas Gitari
03:45pm - 04:00pm	SUB4-002	2. Agricultural Financing and Investment for Resilient Agri-food Systems.	Silvia Karwitha Kimathi
04:00pm - 04:15pm	SUB4-006	3. Leveraging ASTI indicators to revitalize Kenya's Agricultural Research System for Food System Resilience	Duke Ogeto Jesai
04:15pm - 04:30pm	SUB4-010	4. Remittances and Maize Farming in Kenya: A Path to Prosperity? (Poster)	Carolyn Minayo

04:30pm - 04:45pm	SUB4-004	5. Integrating Agriculture, Tourism, and Traditional Knowledge for Sustainable Economic Growth. (poster)	Stella Khaoya
04:45pm - 05:00pm	SUB4-009	6. Economic analysis of arid and range lands research institute (ARLRI), Kiboko	Charles Bett

**01:00pm
-
2.00pm**

HEALTH BREAK AND END OF DAY I

DAY ONE: PARALLEL SESSION (4C)

VENUE: ROOM 207

***SUB THEME: SOCIOLOGY AND ANTHROPOLOGY
AGRI-FOOD SYSTEMS RESEARCH***

CHAIRPERSON: DR. ANASTACIA KAGUNYU

RAPPORTEUR: PETER NDUATI AND KENNEDY WANJALA

Time	Submission No.	Paper Title	Author
03:30pm - 03:45pm	SUB13-005	1. Assessment of harvest, postharvest practices and utilization of finger among farmers in Nandi County, Kenya	Dr Margaret Muchui
03:45pm - 04:00pm	SUB13-006	2. Local value chain analysis and mapping (LVCD) for improved productivity. A study of Samburu County.	PAUL K. KIPRONO

04:00pm - 04:15pm	SUB13-009	3. Anthropological Opportunities and Challenges for Enhancement of Food Safety in Camel Milk Value Chain in Isiolo and Marsabit Counties, Kenya	Kennedy Wanjala
04:15pm - 04:40pm	SUB13-008	4. Beyond Numbers: Reclaiming the Voice of Communities Through Ethnography in Agri-Food Systems Research in Kenya	Peterson Mwangi
04:30pm - 04:45pm	SUB13-005	5. Assessment of harvest, postharvest practices and utilization of finger among farmers in Nandi County, Kenya (Poster)	Dr Margaret Muchui
4.45PM	HEALTH BREAK AND END OF DAY I		



CONFERENCE PROGRAM DAY TWO

Day 2: Wednesday 11/06/2025

PLENARY PRESENTATIONS BY KEYNOTE SPEAKERS

VENUE: MAIN CONFERENCE HALL

CHAIRPERSON: DR. KARL NYABUNDI

RAPPORTEUR: DR. MUO KASINA AND MS. VIOLET KIRIGUA

08.00 - 08.30 am	Registration	Secretariat
08.30 - 08.50 am	Contribution of Crop Research to National Policy and Food System Resilience: Socio-Economic Impact and Lessons for Scaling	Dr. Lusike Wasilwa – Director Crops Systems - KALRO
08.50 - 09.10 am	Impact of KALRO Livestock Research on Food System Resilience: Pathways to Socio-Economic Transformation and Policy Influence	Dr. Changwony - Director Livestock Systems - KALRO
09.10 – 9.30 am	Integrating NRM Research Outputs into National Policy for Resilient Food Systems: KALRO's Impact and Socio-Economic Contributions	Dr. David Kamau – Director. Natural Resource Management - KALRO
09.30- 9.50 am	Unlocking Kenya's Potential in Agriculture: Empowering Women, Vulnerable, and Marginalized Groups for Inclusive and Resilient Food Systems in Kenya	Dr. Annet Abenakyo Mulema, Senior Program Officer at the International Development Research Center (IDRC)

09.50 – 10.10 am	Connecting Research Education and Outreach for Resilient Food Systems	Dr. Mumina Shibia Director Planning Performance Man- agement and Quality Control - KALRO
10.10 – 11.00 am	Plenary discussions by the Keynote speakers	
11.00 - 11.30 am	Tea break	
Parallel sessions in various break out room		



DAY TWO: PARALLEL SESSION TWO (2A)

VENUE: MAIN CONFERENCE HALL

SUB THEME: ECONOMIC ANALYSIS, ADOPTION AND IMPACT ASSESSMENT

CHAIRPERSON: DR. JOHN WAMBUA

**RAPPORTEUR: REUBEN RUTTOH AND
WINNIE ATIENO**

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUBI-026	1. Socio-Economic Determinants of Digital Technology Adoption in Agriculture: A Comparative Study of Bondo and Kimilili Sub-Counties, Kenya	Peterson Mwangi
11:45am - 12:00pm	SUBI-028	2. Effect of Non-Participation in Group Membership Along The AIV Value Chain on Household Income Among Farmers in Kakamega And Kisii Counties, Kenya	Winnie Atieno Odhi- ambo
12:00pm - 12:15pm	SUBI-015	3. Building Resilient Rice Farming Systems: Socio-Economic Insights from Mwea, Kenya	Alice Murage
12:15pm - 12:30pm	SUBI-038	4. Adoption and impact assessment of utilizing forage-based technologies amongst smallholder dairy farmers in Nakuru and Nyandarua counties	Fredrick Agutu

12:30pm - 12:45pm	SUBI-042	5. Socio-Economic Impacts, Environmental and Ecosystem Services Benefits of Agroforestry Systems.	Dominic Kipngeno
12:45pm - 01:00pm	SUBI-043	6. Upland Rice Cultivar Production, Preferred Varieties and Constraints to Farmers in Liberia.	Muga Moses
01.00- 2.00 pm	Lunch break		

DAY TWO: PARALLEL SESSION TWO (2B)

VENUE: BOARD ROOM

SUB THEME: CLIMATE CHANGE ADAPTATION & MITIGATION STRATEGIES

CHAIRPERSON: MS NANCY NG'ANG'A

RAPPORTEUR: ELIAS KAMAU AND PATRICK LUPIYA

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUB8-023	1. An Assessment of farmers Knowledge on Fall Army Worm, its management and impact in Makueni County, Kenya.	Rosemary Akhungu Emongor
11:45am - 12:00pm	SUB8-026	2. Farmer Awareness and Management of Aflatoxins in Finger Millet in Western Kenya	Francis Obuoro Wayua

12:00pm - 12:15pm	SUB8-029	3. Harnessing Apiculture for Climate Change Adaptation and Sustainable Livelihoods	Daniel Toroitich
12:15pm - 12:30pm	SUB8-030	4. Seeking best agricultural practices for production of soybean [<i>Glycine max</i> (L.)] under farrow irrigation in lower Kuja irrigation scheme, Migori County	James Ng'ang'a Njoroge
12:30pm - 12:45pm	SUB8-031	5. Who Listens When Climate Speaks? Access and Use of Seasonal Climate Forecasts in Smallholder Agriculture	Patrick Lupiya
12:45pm - 01:00pm	SUB8-028	6. Assessing the Preparedness of Agribusiness SMEs to Changing Climatic Conditions: Factors Affecting Planning for Future Climate Effects in Kiambu and Kajiado Counties, Kenya	Nancy M. Ng'ang'a
01.00- 2.00 pm	Lunch break		

DAY TWO: PARALLEL SESSION TWO (2C)

VENUE: ROOM 207

SUB THEME: NOVEL APPROACHES IN AGRI-FOOD SYSTEMS RESEARCH AND POLICY

CHAIRPERSON: DR JOHN NDUNG'U

RAPPORTEUR: PETER NDUATI AND ROBERT TABU

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUB1-054	1. Optimizing nitrogen fertilizer use in tea production: case study of NPK 22:6:12 and NPK 23:5:10 nitrogenous compound fertilizer formulations	Paul Odongo Ayiemba
11:45am - 12:00pm	SUB12-003	2. Yield performance of Kenyan grain amaranth accessions collected from north rift, Kenya	Cecilia Kawira Magiri
12:00pm - 12:15pm	SUB12-001	3. Greenhouse validation of rose coco on developed bio fertilizers in relation to yield performance at KALRO HRI, Kandara	Joan Achieng Abwao
12:15pm - 12:30pm	SUB1-052	4. A Review on the Role of <i>Acerophagus papayae</i> as a Biological Control of Papaya Mealybug (<i>Paracoccus marginatus</i>) in Papaya Orchards in Kenya's Coastal Region.	Robert Tabu
12:30pm - 12:45pm	SUB12-0001	5. Greenhouse validation of rose coco on developed bio fertilizers in relation to yield performance at KALRO HRI, Kandara.	Joan Achieng Abwao
12:45pm - 01:00pm	SUB12-001	6. Assessment of the profitability in organic and conventional farming systems in Kenya for selected crops	John Ndungu
01:00pm-02.00pm	Lunch break		

DAY TWO: PARALLEL SESSION THREE (3A)

VENUE: MAIN CONFERENCE HALL

***SUB THEME: ECONOMIC ANALYSIS, ADOPTION
AND IMPACT ASSESSMENT***

CHAIRPERSON: MS AGATHA MUMBUA

**RAPPORTEUR: PETERSON MWANGI AND
JOSEPH KIMANI**

Time	Submission No.	Paper Title	Author
02:00pm - 02:15pm	SUBI-044	1. What factors influence the mixed use of mechanical, cultural, and chemical practices among smallholder maize farmers in managing Maize Lethal Necrosis Disease (MLN) in Kenya? A multivariate probit approach.	Joseph Gicho Kimani
02:15pm - 02:30pm	SUBI-049	2. Do Rice Farmers Share Similar Perspectives? Evidence from A Survey Across Ten Rice-Growing Counties In Kenya	Ruth Nzisa Musila
02:30pm - 02:45pm	SUBI-025	3. Economic evaluation of a motorized cassava chipper over conventional methods (Poster)	Rotich Eliud
02:45pm - 03:00pm	SUBI-004	4. Logistic regression of factors influencing the decision to conduct soil testing among smallholder farmers in western Kenya	Orawo Fido Odhi-ambo

03:00pm - 03:15pm	SUBI-059	5. Assessing Socio-Economic Impacts of GMO Late Blight-Resistant Potatoes in Kenya: A Multi-Stakeholder Perspective on Food Security and Markets. (Poster)	Fabian Kaburu
03:15pm - 03:30pm	SUBI-055	6. Ex-post Evaluation of Climate Smart Water Harvesting Technologies to Increase Food and Nutrition Security in Kajiado County. (Poster)	Agatha Mumbua Daniel

DAY TWO: PARALLEL SESSION THREE (3B)

VENUE: BOARDROOM

SUB THEME: DISSEMINATION OF AGRICULTURAL RESEARCH OUTPUTS

CHAIRPERSON: DR JUMA MAGOGO

RAPPORTEUR: MS BETTY CHEROIGIN AND DR JOHN MANYEKI

Time	Submission No.	Paper Title	Author
02:00pm - 02:15pm	SUBI-036	1. Existing farmer Knowledge-gaps that can shape extension services provision to manage fall armyworm (<i>Spodoptera frugiperda</i>) in south eastern and coastal Kenya	Muo Kasina
02:15pm - 02:30pm	SUBI-040	2. Assessment of sorghum seed systems and sources of agricultural knowledge in farmer research networks in Homabay and Tharaka Nithi counties, Kenya	Carolyn Khalayi Wafula

02:30pm - 02:45pm	SUB9-014	3. Evaluating feed availability and utilization of sugarcane by a products for dairy cattle in Malaya sub-county, Kenya	Joseph Wanjala Munyasi
02:45pm - 03:00pm	SUBI-048	4. Effects of stakeholder platforms on youth participation in finger millet (<i>Eleusine coracana</i>) value chain in Teso south sub county , Kenya	Martha Wambui Mubia
03:00pm - 03:15pm	SUB9-003	5. Evaluation of Dissemination Pathways Effectiveness for Climate Adaptable Technologies in Agro pastoral Economies of Kenya	Dr. John Kibara Manyeki
03:15pm - 03:30pm	SUBI-022	6. Evaluating Public Engagement for Technology Uptake in Kenyan Agriculture: Evidence from Kenya Agricultural and Livestock Research Organization Open Week. (Poster)	Magogo Juma Riziki
03:30pm - 03:45pm	SUB9-019	7. An economic analysis of dairy value chain: a case study of the dairy enterprise at KALRO OI joro orok. (Poster)	Mathai M Ndungu

DAY TWO: PARALLE SESSION THREE (3C)

VENUE: ROOM 207

***SUB THEME: INSTITUTIONAL AND
BEHAVIOURAL STUDIES IN AGRICULTURE***

CHAIRPERSON: DR. SCOLASTICA WAMBUA

**RAPPORTEUR: TABBY KARANJA AND
JOSEPH MULWA**

Time	Submission No.	Paper Title	Author
02:00pm - 02:15pm	SUB I-051	1. Assessment of performance contracting as a management tool on the achievement of organizational goals in the public sector:A case study on the operations of Kenya agricultural and livestock research organization	Samson Ogechi Nyaanga
02:15pm - 02:30pm	SUB I I-004	2. Producers Valuation of Export Tea and Coffee as Potential Geographical Indications in Kenya:A Synthesis Analysis	Fredah Maina
02:30pm - 02:45pm	SUB I I-005	3. Activities practiced by maize farmers to combat and mitigate effects of fall armyworm infestation in Masii, Machakos County, Kenya	Joseph Mutunga Mulwa
02:45pm - 03:00pm	SUB I I-007	4. Assessment of milk productivity at KALRO FCRI Kitale as an improvement strategy	Wambani Hildah Nyende

03:00pm - 03:15pm	SUB11-009	5. Best-worst scaling approach for participatory improvement of finger millet	Wycliffe Otieno
03:15pm - 03:30pm	SUB11-006	6. Enhancing Research and Leadership Skills of early career scientists in Kenya Agricultural and Livestock Research Organisation (KALRO)	Scolastica Wambua

DAY TWO: PARALLEL SESSION FOUR (4A)

VENUE: MAIN CONFERENCE HALL

***SUB THEME: AGRICULTURAL MARKETING AND
MARKET SYSTEMS & AGRIBUSINESS MODELS IN
AGRI-FOOD SYSTEMS***

CHAIRPERSON: DR BETH NDUNG'U

**RAPPORTEUR: REUBEN RUTTOH AND
MARAIN KAMAU**

Time	Submission No.	Paper Title	Author
03:30pm - 03:45pm	SUB5-013	1. Status of the Finger Millet Value Chain in Western Kenya	Eunice Minyattah Onyango
03:45pm - 04:00pm	SUB5-015	2. Banana Marketing Systems and Constraints among Smallholder Farmers in Tharaka Nithi County, Kenya	Marian Kamau

04:00pm - 04:15pm	SUB5-016	3. Assessing the Affordability and Availability of Technology Innovations and management practices (TIMPS) among pastoral farmers in Kajiado and Isiolo Counties, Kenya	Veronica Chemutai Metto
04:15pm - 04:30pm	SUB5-017	4. Consumer resistance to insect-fortified bread in Ghana: Insights for sustainable protein policy and market development	Rebecca Owusu
04:30pm - 04:45pm	SUB2-002	5. Income diversification through agri-tourism amongst farmers in Mpumalanga, South Africa	Motla- lepule John Seema
04:45pm - 05:00pm	SUB2-006	6. Goat Finishing on Improved Grass and Legume Supplementation in Arid and Semi-Arid Lands: The Business Cases	Benson Mulei
05:00pm - 05:15pm	SUB5-014	7. An Assessment of Tomato Marketing Strategies by Smallholder Farmers in Kajiado County	Beth Ndungu
05.00 pm	Health break and end of day 2		

DAY TWO: PARALLEL SESSION FOUR (4B)

VENUE: BOARD ROOM

**SUB THEME: AGRICULTURAL MARKETING AND
MARKET SYSTEMS**

CHAIRPERSON: DR JOHN WAMBUA

**RAPPORTEUR: ELIAS KAMAU AND JUSTA
GITONGA**

Time	Submission No.	Paper Title	Author
03:30pm - 03:45pm	SUB5-003	1. Market outlet selection among smallholder cattle farmers in rural Tanzania: Building bridges for fostering participation in livestock markets	Njile Isack Shashi
03:45pm - 04:00pm	SUB5-005	2. Assessing the factors influencing the Level of commercialization of African Indigenous Vegetables among smallholder Farmers in Bungoma County	Scolastica Nanjala Nambafu
04:00pm - 04:15pm	SUB5-006	3. Assessing Production Cost and Profitability of On-Station Grown Sorghum in Nakuru County	Andrew Kiplagat Kosgei
04:15pm - 04:30pm	SUB5-008	4. Crop production diversity or market access? Welfare outcomes among sorghum-growing households in rural Kenya and Uganda	Charles Bett

04:30pm - 04:45pm	SUB5-012	5. Market and Consumer Preferred Green Gram (<i>Vigna radiate</i> L.) Characteristics for Food and Income Generation in Semi-Arid Areas of Tharaka-Nithi County, Kenya	Rodger Mutuma Mungania
04:45pm - 05:00pm	SUB5-011	6. Assessment of Banana and Plantain Marketing Status in Kenya. (Poster)	Gitonga KJ
05:00pm - 05:15pm	SUB5-004	7. Catalyzing cassava processing capabilities among the smallholder farmers to trigger improved production and marketing systems in Kenya. (Poster)	John Wambua
05.00 pm	Health break and end of day 2		

DAY TWO: PARALLEL SESSION FOUR (4C)

VENUE: ROOM 207

SUB THEME: CLIMATE CHANGE ADAPTATION & MITIGATION STRATEGIES

CHAIRPERSON: MR STEPHEN MAILU

RAPPORTEUR: PETER NDUATI AND SALLY NDUTA

Time	Submission No.	Paper Title	Author
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03:30pm - 03:45pm	SUB8-035	1. Effects of urea-molasses mineral block supplementation on performance of Dorper sheep on buffelgrass diet in Kenya	Sally Nduta
03:45pm - 04:00pm	SUB8-038	2. Micro climate modification by shading as a strategy to climate change resilience and product diversification in tea production.	Robert K. Korir
04:00pm - 04:15pm	SUB4-003	3. Effectiveness of Mitigation strategies on Food Security in Narok County's Cross-Border Conflict Zones, Kenya	Jedidah Chepkoech Kiget
04:15pm - 04:30pm	SUB3-006	4. Influence of Gibberellin Hormone on Viability of <i>Cleome gynandra</i> L. Seed Germination. (Poster)	Muga Moses
04:30pm - 04:45pm	SUB8-033	5. An analysis of the benefits and costs of bio digesters: a capital budgeting approach	Stephen Mailu
05.00 pm	Health break and end of day 2		



CONFERENCE PROGRAM DAY THREE

Thursday 12/06/2025

SESSION ONE: PLENARY PRESENTATIONS BY KEYNOTE SPEAKERS

VENUE: MAIN CONFERENCE HALL

CHAIRPERSON: DR LUSIKE WASILWA

**RAPPORTEUR: PETERSON MWANGI AND
REUBEN RUTTOH**

TIME	ACTIVITY	Rapporteur
08.00am - 08.30 am	Registration	Secretariat
08.30am - 08.50am	Devolution of Agricultural Extension Services in Kenya: The Hits and Misses for Agriculture After a Decade After Devolution – Implications for Building Resilient Food Systems	Dr. Tipo Nyabenyi, the FAO Kenya Representative
08.50am - 09.10am	Agriculture Services Digitalization, a Friend or Foe: Striking the Balance between Digital and Traditional Advisory Services in Building Resilience Systems	Mr Salim Kinyimu – Director ICT KALRO
09.10am - 09.30am	Role of R&D in enhancing resilience: The case of seed.	Dr Michael Waithaka
09.30am -10.00am	Scaling Up Sustainable Technologies to Strengthen Agri-Food Systems Resilience: Research Insights from Sub-Saharan Africa	Dr Beatrice Muriithi – Senior Agricultural Economists, icipe

10.00am – 10.20am	Financing Agrochemical Reduction and Management for resilient and sustainable food production systems	Mr Stanley Kimereh National Project Technical Advisor_ FARM Kenya Food and Agriculture Organization of the United Nations
10.20am - 11.00 am	Plenary Discussions by Key note speakers	
Parallel sessions in various break out room		

DAY THREE: PARALLEL SESSION TWO (A)

VENUE: MAIN CONFERENCE HALL

SUB THEME: AGRICULTURAL DIGITALIZATION INNOVATIONS

CHAIRPERSON: MR KEVIN KIAMBE

RAPPORTEUR: MS BETTY CHEROIGIN AND NDUNG’U MATHAI

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUB3-002	1. The Digital Agricultural Revolution: Transforming Farming Through Emerging Technologies	Uzma Gulzar
11:45am - 12:00pm	SUB3-003	2. The Development of Digital Services and their Utilization in Agriculture in Kenya	Tim Njagi

12:00pm - 12:15pm	SUB3-005	3. Capital budgeting tool for agricultural investments: A case of investments to Farmer Cooperative Societies in Nyandarua County.	Mathai M Ndungu
12:15pm - 12:30pm	SUB3-007	4. The Role of Digital Technologies in Enhancing Agri-Food System Resilience among Smallholder Farmers in Kenya	Judy Chepkoech
12:30pm - 12:45pm	SUB3-001	5. Producers Drive To Procure Certified Potato Seeds Through Digital Platforms. (Poster)	Steven Owino Adongo
12:45:pm - 01:00pm	SUB3-008	6. Digital Public Infrastructure as a Catalyst for Inclusive Agricultural Innovation in Kenya's Agri-Food Systems	Kevin Kiambe Assa
01.00- 02.00 pm		Lunch break	

DAY THREE: PARALLEL SESSION TWO (B)

VENUE: BOARD ROOM

SUB THEME: DISSEMINATION OF AGRICULTURAL RESEARCH OUTPUTS

CHAIRPERSON: MS PURITY KABURU

RAPPORTEUR: TABBY KARANJA AND DR STELLA MATERE

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUB9-005	1. Scaling improved crop varieties to forgotten farmers through multi-stakeholder platforms: impact on food and nutrition security in western Kenya	Martins Odendo
11:45am - 12:00pm	SUB9-006	2. Translating research into action: strategies for disseminating agricultural policies	Mark Limo
12:00pm - 12:15pm	SUB9-007	3. Client satisfaction with agricultural technologies: the case of KALRO Kakamega mkulima open week 2024	Judith Mutheu Mboya
12:15pm - 12:30pm	SUB9-020	4. Science Communication of Agricultural research outputs: A Case Study of Kenya Agricultural and Livestock Research Organization	Dr. Florida Maritim
12:30pm - 12:45pm	SUB9-016	5. Leveraging Knowledge Management to Foster Resilient Agri-food Systems through Effective Dissemination of Agricultural Research Outputs	Univer Chepleting
12:45pm - 01:00pm	SUB9-009	7. Farmer preferential information pathways for adoption of cassava Technologies, Innovations and Management Practices in Nakuru County-Kenya	Purity Kaburu

01.00pm – 02.00pm	Lunch break
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DAY THREE: PARALLEL SESSION TWO (C)

VENUE: ROOM 207

***SUB THEME: AGRICULTURAL RESEARCH
METHODS AND ANALYTICS***

CHAIRPERSON: DR ROSEMARY EMONGOR

**RAPPORTEUR: ELIAS KAMAU AND LENAH
MUEMA**

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUB1-037	1. Determinants of Maize Yield Gaps Among Smallholder Farmers: Evidence from a Tobit Model Analysis	Dave Mwangi Ireri
11:45am - 12:00pm	SUB7-002	2. Survival Analysis of Boran Calves Using Kaplan-Meier and Cox Models: Insights from Beef Research Institute, Kenya	Lenah Muema
12:00pm - 12:15pm	SUB7-004	3. Propensity Score Matching approach for the Interactions between pasture biodiversity, milk production and greenhouse gas emissions in small African dairy systems.	Simon Mwaura

12:15pm - 12:30pm	SUB7-001	4. Agricultural research methods and analytics. (Poster)	Victor Kiplangat
12:30pm - 12:45pm	SUB1-024	5. Identification of Maize Varieties through Genetic Fingerprinting and Farmer recall: A case study of Bungoma and Embu counties	Rosemary Akhungu Emongor
12:45pm -01:00pm	SUB7-015	6. Farmer-researcher participatory evaluation of sorghum bean cropping systems on sorghum productivity in Tharaka Nithi County	David Musyimi
01.00- 02.00 pm	Lunch break		

DAY THREE: PARALLEL SESSION TWO (D)

VENUE: BIG SEMINAR ROOM

***SUB THEME: DISSEMINATION OF
AGRICULTURAL RESEARCH OUTPUTS***

CHAIRPERSON: DR MORGAN MUTOKO

**RAPPORTEUR: PETER NDUATI AND DR
STELLA MATERE**

Time	Submission No.	Paper Title	Author
11:30am - 11:45am	SUB9-010	1. The Role of Farmers Attributes And Practices in Influencing Pesticide Resistance to Tomato Pests in Kenya	Nancy M. Ng'ang'a

11:45am - 12:00pm	SUB3-004	2. Awareness, utilization, and Challenges of Agricultural Digitalization among Rural Farmers: A Case Study of Southeastern Kenya	Stella J. Matere
12:00pm - 12:15pm	SUB9-011	3. Enhancing fruit quality of avocado (<i>Persea americana</i>) using ripeners in Kitui County, Kenya.	Dr Wilson M. Thagana
12:15pm - 12:30pm	SUB9-013	4. Evaluation of Sugarcane Tops-Based Feed Rations for Enhanced Dairy Production among Smallholder Farmers in Malava Sub-county, Kakamega County, Kenya.	Joseph Wanjala Munyasi
12:30pm - 12:45pm	SUB1-041	5. Accelerating Adoption of Seed Potato Technologies through capacity building and innovation platforms	Elias Kamau
12:45- 01:00pm	SUB9-015	6. Likelihood of farmers recommending bio digesters to friends and neighbours, and the likely role of negative word of mouth	Stephen Mailu
01:00- 01:15 pm	SUB9-008	7. Participatory Bundling of Priority TIMPs to Drive Commercialization of Coffee Value Chain in Kenya	Morgan C. Mutoko
01:15- 02:30 pm	Lunch break		



CLOSING

VENUE: MAIN CONFERENCE HALL

CHAIRPERSON: DR ALICE MURAGE

RAPPORTEUR: DR STELLA MAKOKHA

02.30 pm – 03.30 pm	Synthesis of the 1st KALRO SEPD conference	Dr Adiel Mbabu
03.30 pm – 04.00 pm	Prize Giving	KALRO DG
04.00 pm – 04.30 pm	Closing ceremony	KALRO DG
04.30 pm – 05.00 pm	Tea break and end of day 3	
5.00 pm	End of the conference and departure	





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