

African Conference on Agricultural Technologies

PROGRAM OVERVIEW

Agricultural Resilience through Innovation

30th Oct - 3rd Nov
2023Safari Park Hotel,
Nairobi - Kenya



Ministry of Agriculture & Livestock Development





KENYA CROPS AND DAIRY MARKETS ACTIVITY(KCDMS)



The Feed the Future KCDMS Activity is a six-year (2017–2023) USAID-funded program that works to increase agricultural production and incomes and to reduce malnutrition in Kenya by spurring competitive, inclusive, and resilient market systems in the horticulture and dairy sectors.

KCDMS also received funds to address the macroeconomic effects of the Ukrainian invasion on vulnerable communities in 12 Feed the Future counties in Kenya – **Busia, Bungoma, Homa Bay, Kakamega, Kisii, Kisumu, Kitui, Makueni, Migori, Siaya, Taita Taveta and Vihiga.** In collaboration with the private sector, county governments and other partners, KCDMS implemented interventions to increase demand for cost-effective technologies for soil health and distributed farm inputs, such as fertilizer through a loyalty program.

The project also promoted the **production of drought tolerant crop seeds** to build resilient communities, and **technologies to improve household incomes, nutrition, and food security reaching more than 170,000 farmers.**





Contents

Overviewiv
Program Snapshotvi
Program Summaryvii
Detailed Program
Day 2: Theme: Enabling Environment
Day 3: Theme: Climate-Smart Agriculture
Day 4: Theme: Nutrition-Sensitive Agriculture
Day 5: Theme: Food Systems Development 17
ACAT Exhibitor Profiles



The African Conference on Agricultural Technologies (ACAT) is gearing up to be one of the most dynamic and impactful events of the year, bringing together experts, policymakers, and practitioners in the agriculture sector. With a thematic focus on Agricultural Resilience Through Innovation, ACAT will showcase emerging technologies and innovations, promote networking and shared learning, and unlock access to technology and its delivery. Get ready to be part of this exciting event in Nairobi, Kenya from October 30 to November 3, 2023.

Schedule

The ACAT program will run each day from 9:00 until 18:00, with diverse sessions ranging from plenaries to workshops and demonstrations. See below the program layout for further details. On Tuesday 31st October, an AATF 20th Anniversary Gala Reception will be held from 06:30pm.

Venue

The African Conference on Agricultural Technologies will take place at Safari Park Hotel in Nairobi, Kenya.

Plenary sessions

Plenary sessions are high-level, 120-minute sessions that feature 1-2 panels of senior leaders discussing key policy issues in formats designed for leaders and special action audiences. These sessions will feature an AATF program as a case study and conclude with a "path forward," which is a summary presentation that brings together common themes and results.

Demos

Live technology demonstrations (demos) will provide an opportunity for attendees to interact directly with cutting-edge technologies and learn how they may be applied to their own work. Attendees can look forward to an opportunity to test and use an exciting and innovative array of technologies that are shaping the future of agriculture in Africa. These demos will showcase agricultural innovations in a wide range of applications including mechanization, data, energy, agro-processing, aquaponics etc.

Technical Interactive Panels

These sessions will provide a technical-focused deep dive into a specific topic in various formats. The sessions aim to deliver and illustrate ACAT outcomes. The panels will provide new thinking, evidence, case studies, and other content on important issues that will move the sector forward beyond current discussions and approaches.

Strategic Dialogues

The 90-minute strategic dialogues on agricultural technology in Africa will be closed interactive roundtables that aim to foster stronger communication and collaboration among key stakeholders in the agricultural sector, including research and academia, high-level policy decision-makers, the private sector, farmers, youth, and women. Dialogues will provide a platform for interactive discussions on technology development, deployment, and adoption, with the goal of accelerating agricultural productivity growth and creating an enabling environment for innovative technologies. Dialogues will be closed (invite only) sessions.

AATF 20th Anniversary GALA Reception (by Invitation Only)

This high-level dinner marks two decades of the organization's existence and contributions towards promoting agricultural technologies in Africa. It provides an opportunity for guests to network and engage with each other in a relaxed and festive atmosphere. Attendees can expect a lively evening filled with entertainment, speeches, and a showcase of AATF's achievements and projects (for example the Hybrid rice project, TELA maize and several others). This is an excellent opportunity to recognize and honor the significant contributions of AATF's partners, donors, and stakeholders in advancing the agricultural sector in Africa.

ACAT Partners Lunch (by Invitation Only)

This will be an investor focused event that will provide a platform for networking, and strengthening partnerships.



AATF is about farmers in Sub-Saharan Africa and providing them with practical technology solutions capable of addressing their farm productivity constraints and improving their livelihoods

Founded in 2003 to address Africa's food security prospects through agricultural technology, AATF believes that the agricultural sector is a key foundational pillar as Africa consolidates its economic growth and carves out its new position as a major global economic powerhouse and the next growth market in the world.

We believe that access to agricultural technologies will boost the productivity of smallholder farmer. We support farmers in Africa and especially smallholder farmers in their quest for access to the best agricultural technology. By uniting key stakeholders, we have positioned technology transfer as a priority for Africa's agricultural progress





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Program Snapshot

ive Agriculture Day 5: Food Systems Development	Gender Dialogue: TIP: Food to Market Cultivating Inclusivity Bougainvillea Ivory	Morning Plenary: Scaling up Nutrition-sensitive Agriculture Jambo Plenary: Investment in Invosition franko planary Hall			MEDIA BRIEFING Booth	al Closing Panet: Dialogue: for Advancing sitive Sustainable Agriculture Roundtable Plenary Hall				nsito-terra ISS Torito-terra
Day 4: Nutrition-Sensitive Agriculture	TIP: Urban and Peri-Urban Agriculture Bougainvillea				(y) DEMOS Zebra Lawns Seed Technology by IITA	Technical Technical Interactive Panel: Interactive Panel: Interactive Panel: Interactive Panel: Innovation for Agro-Processing Nutrition Sensitive Agriculture Agriculture Ivory		<u>له</u> ور		DEMOS Zebra Lawns Farm Design by Antifecture
Day 3: Climate-Smart Agriculture	DEMOS Ivory Relief to Resilience by Alliance for Science	Morning Plenary: Mainstreaming biotechnology in African Agriculture	Jambo Plenary Hall	ACAT	DEMOS Zebro Lawns Cold Chain Akofresh Akofresh	Technical Technical Researchers Interactive Interactive Panel: Dialogue: Agricultural Early Agricultural Early Cccelerating smart Faming Warning Systems Science, Solutions Jambo Plenary Hall Science, Jambo Plenary Hall (Side 1) (Side 2) Innovation		Private Sector Dialogue: Positioning the Private Sector for Sustainable Agricultural Innovation Ivory		DEMOS Zebra Lawns Aquaponics by Ichtys
Day 2: Enabling Environment	DEMOS Zebra Lawns Smallholder Driven Technologies <i>by ATDC</i> Digitizing Mechanization <i>by Hello Tractor</i>	08:00 - 12:00 High-Level Opening Session:	Morning Plenary: Transforming Agriculture through Technology Jambo Plenary Hall		DEMOS Zebra Lawns (cont d) MEDIA BRIEFING ATDC Booth T Hello Tractor	High-Level Plenary - Afternoon Plenary: High-Level sestion - Trade, Policy & Regulatory P Frameworks Jambo Plenary Halt		Technical Interactive Health Technical Interactive Pane: Sustainable Growth Sougaimiliea Health Biolechnology Rougaimiliea Ministerial Interactive Health Biologiusiliea Mony Borechnology Advances and Opportunities Compo Plenary Hall		DEMOS Zebra Lawns Drones for Resilience by CABI
Day 1: Food Security	DEMOS Zebra Lawns Soil Caravan by OCP	Morning Plenary: Enabling Farm Scale Resilience through STI	Jambo Plenary Hall		DEMOS Zebra Lawns Value Chain Digitization by Booth WRSC	Technical Technical Vouth Dialogue: Interactive Interactive Fostering the Next Panel: Agreet Panel: Generation Adjointation Mechanization Ivory Jambo Plenary Bougainvillea Ivory Hall Bougainvillea Ivory		Farmers Dialogue: I Repositioning Producers Ivory		DEMOS Zebra Lawns Precision Agriculture by Scron 1rd
Time	09:00 - 10:00	10:00 - 10:30 TEA BREAK	10:30 - 12:00	12:00 - 13:30 LUNCH	13:30 - 14:00	14:00 - 15:30	15:30 - 16:00 TEA BREAK	16:00 - 17:00	17:00 - 17:30	17:30 - 18:00

Program Summary

Day 1: Monday 30 October 2023 Theme: Food Security

Time	Session
09:00-10:00	Demo: Soil Caravan by OCP
	Location: Zebra Lawns
09:30-10:00	Tea Break
10:00-12:00	Morning Plenary
	Session Title: Enabling Farm Scale Resilience through STI
	Location: Jambo Plenary Hall
12:00-14:00	Lunch Break
13:00-14:00	Demo: Value Chain Digitization by Warehouse Receipt System Council (WRSC)
	Location: Zebra Lawns
14:00-17:00	Technical Interactive Panel
	Session title: Ag tech & Digitalization
	Location: Jambo Plenary Hall
14:00-17:00	Technical Interactive Panel
	Session title: Mechanization
	Location: Bougainvillea
14:00-15:30	Youth Dialogue: Fostering the next generation
	Location: Ivory
15:30-16:00	Tea Break
16:00- 17:30	Farmers Dialogue: Repositioning Producers
	Location: Ivory
17:30-18:00	Demo: Precision Agriculture by Saron Ltd
	Location: Zebra Lawns

Day 2:

Tuesday 31 October 2023 Theme: Enabling Environment

Time	Session
08:00-10:30	Official Opening Session – Transforming Agriculture through Technology
	Location: Jambo Plenary Hall
08:00 – 08:30	Demo:
	Smallholder Driven Technologies by ATDC
	Digitizing Mechanization by Hello Tractor
	Location: Zebra Lawns
10:30-11:00	Tea Break
11:00-12:00	High-Level Opening Panel – Transforming Agriculture through Technology
	Location: Jambo Plenary Hall
12:00-14:00	Lunch Break
13:00-14:00	Demo:
	Smallholder Driven Technologies by ATDC
	Digitizing Mechanization by Hello Tractor
	Location: Zebra Lawns
14:00-15:30	High-Level Plenary
	Session title: Trade, Policy & Regulatory Frameworks
	Location: Jambo Plenary Hall
15:30-16:00	Tea Break
16:00-17:00	Technical Interactive Panel
	Session title: One Health
	Location: /vory
16:00-17:00	Technical Interactive Panel
	Session title: Biotechnology Advances and Emerging Opportunities
	Location: Jambo Plenary Hall
16:00-17:30	Ministerial Dialogue: Cultivating Sustainable Growth
	Location: Bougainvillea
17:30-18:00	Demo: Drones for Resilience by CABI
	Location: Zebra Lawns
18:30	AATF 20th Anniversary GALA Reception (By Invitation Only)

Day 3: Wednesday, 1 November 2023 Theme: Climate-Smart Agriculture

Time	Session
09:00-10:00	Demo: Relief to Resilience by Alliance for Science
	Location: Ivory
09:30-10:00	Tea Break
10:00-12:00	Morning Plenary:
	Session title: Mainstreaming Biotechnology in African Agriculture
	Location: Jambo Plenary Hall
12:00-14:00	ACAT Partners Lunch (By Invitation Only)
	Location: Bougainvillea
12:00-14:00	Lunch Break
13:00-14:00	Demo: Cold Chain Technology by AkoFresh
	Location: Zebra Lawns
14:00-17:00	Technical Interactive Panel
	Session title: Climate-Smart Farming Solutions
	Location: Jambo Plenary Hall (Side 1)
14:00-17:00	Technical Interactive Panel
	Session title: Agricultural Early Warning Systems
	Location: Jambo Plenary Hall (Side 2)
14:00- 15:30	Researchers Dialogue: Accelerating Science, Technology and Innovation
	Location: Ivory
15:30-16:00	Tea Break
16:00-17:30	Private Sector Dialogue: Positioning the Private Sector for Sustainable Agricultural Innova-
	tion
	Location: Ivory
17:30-18:00	Demo: Aquaponics by Ichtys
	Location: Zebra Lawns

Day 4:

Thursday 2 November 2023 Theme: Nutrition-Sensitive Agriculture

Time	Session
09:00-10:00	Technical Interactive Panel
	Session title: Urban Agriculture & Peri-Urban Agriculture
	Location: Bougainvillea
9:00-10:00	Gender Dialogue: Cultivating Inclusivity
	Location: /vory
10:00-10:30	Tea Break
10:30-12:00	Morning Plenary
	Session title: Scaling up Nutrition-Sensitive Agriculture
	Location: Jambo Plenary Hall
12:00-14:00	Lunch Break
13:00-14:00	Demo: Seed Technology by IITA
	Location: Zebra Lawns
14:00-17:00	Technical Interactive Panel
	Session title: Agro-processing
	Location: Bougainvillea
14:00-17:00	Technical Interactive Panel
	Session title: Innovation for Nutrition Sensitive Agriculture
	Location: /vory
14:00-17:00	Dialogues Closing Forum: Advancing Sustainable Agriculture Roundtable
	Location: Jambo Plenary Hall
15:30-16:00	Tea Break
17:30-18:00	Demo: Farm Design by Agritecture
	Location: Zebra Lawns

Day 5:

Friday 3 November 2023 Theme: Food Systems Development

Time	Session
9:00-10:00	Technical Interactive Panel
	Session title: Food to Market
	Location: Bougainvillea
10:00-10:30	Tea Break
10:30-13:00	Closing Plenary
	Session title: Investment in Innovation
	Location: Jambo Plenary Hall
13:00-14:00	Lunch Break

Innovation that boosts food security

Better is achieving food security.Our quality seed guarantee farmers abundant harvest to boost the nation's food security

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KENYA CROPS AND DAIRY MARKETS ACTIVITY(KCDMS)

ACHIEVEMENTS DEC 2022 - SEPT 2023

Over 37,000

individuals reached with nutrition interventions promoting consumption of nutritious food.

More than US\$ 21 M

of annual sales by producers and firms receiving USG assistance private sector

Nearly 107,000

Over 170,000

individuals participating in

USG food security programs

people reached through USG social assistance programs

Over 35,000

children under five years (0-59 months) reached with nutritionspecific interventions through USG supported programs







Detailed Program

Day 1: Monday 30 October 2023 Theme: Food Security

Technology has the potential to tackle food insecurity by boosting efficiency and sustainability in food production. Artificial intelligence, early warning systems, irrigation, climate & pest resilience breeding, mobile platforms, and other innovations are tackling many challenges facing farmers in Africa. To feed the whole continent and the world, these technologies must be leveraged and scaled.

Time	Session
09:00-10:00	Demo
	Session Title: Soil Caravan by OCP
	Location: Zebra Lawns
09:30-10:00	Tea Break
10:00-12:00	Morning Plenary
	Session Title: Enabling Farm Scale Resilience through STI
	Location: Jambo Plenary Hall
	This 120-minute session will focus on how Science, Technology, and Innovation (STI) can enable farm-scale resilience. The session will consist of two panels with experts from various fields discuss ing the importance of STI in promoting resilient agricultural practices.
	Moderator: Dr. Canisius Kanangire, Executive Director, African Agricultural Technology Foundation (AATF), Kenya
	AATF Project Showcase: Dr. Sylvester Oikeh, Project Manager, TELA Maize Project, African Agricul tural Technology Foundation (AATF), Kenya
	Panel 1:
	•Prof. Appolinaire Djikeng, Director General, International Livestock Research Institute (ILRI), Kenya
	•Dr. Amos Nungu, Director General, Tanzania Commission for Science and Technology
	•Dr. Kenton Dashiell, Deputy Director General/Partnerships for Delivery/General Directorate, Interna tional Institute of Tropical Agriculture
	Hon. Ezekiel Machogu, Cabinet Secretary, Ministry of Education, Kenya
	Panel 2:
	•Mr. Lawrence Kent, Senior Program Officer, Agricultural Development, Bill & Melinda Gates Founda tion
	•Prof. Muhammed Ishiyaku, Executive Director, Institute for Agricultural Research (IAR), Pod Bore Resistant (PBR) Cowpea Project
	•Dr. Feto Esimo, Director General, Ethiopian Institute of Agricultural Research (EIAR)
	•Dr. David J. Spielman, Director, Innovation Policy & Scaling Unit, International Food Policy Research Institute (IFPRI)
	Path Forward Speaker
	•Dr. Mandefro Nigussie, Chief Executive Officer, Agricultural Transformation Agency of Ethiopia



2:00-14:00	Lunch Break
13:00-14:00	Demo
	Session Title: Value Chain Digitization by Warehouse Receipt System Council (WRSC)
	Location: Zebra Lawns
4:00-17:00	Technical Interactive Panel
	Session title: Ag tech & Digitalization
	Location: Jambo Plenary Hall
	W From theory to practice, this session will showcase some of the cutting-edge innovations an emerging trends in the rapidly evolving field of agricultural technology that is revolutionizing agriculture, with a particular focus on precision agriculture, robotics, and data analytics. The barriers an main challenges hindering the widespread adoption of these innovations in Africa will be explore and solutions identified to ensure more players in this field are involved in Africa. Challenges affect ing farmers will also be examined and strategies for effective awareness creation, enabling farmer to utilize agricultural technologies easily and efficiently identified.
	Moderator
	•H.E. Muhammadou M.O. Kah, Ambassador Extraordinary and Plenipotentiary & Permanent Representative, The Republic of Gambia to the UN, World Trade Organisation (WTO) & other organization in Geneva, Gambia
	Panelists
	Panel 1:
	•Ms. Susan Kahumbu, Chief Executive Officer & Founder, Green Dreams Tech Ltd and iCow, Kenya
	•Mr. Jehiel Oliver, CEO and Founder, Hello Tractor
	•Ms. Lucy Komen, Ag. Chief Executive Officer/Registrar, Warehouse Receipt System Council
	•Dr. Kenneth Mubea, Capacity Development Lead, Digital Earth Africa
	Panel 2:
	•Mr. Anthony Muriithi, Agriculture Attache, Mission of Kenya to FAO
	•Dr. Eliud K. Kireger, Director General, KALRO
	•Prof. Bernard Slippers, Director, Forestry and Agricultural Biotechnology Institute (FABI), South Afric
	•Prof. Theophilus Mwendwa Mutui, Managing Director, Kenya Plant Health Inspectorate Service (K PHIS), Kenya
	•Dr. Racine Ly, Director, Department of Data Management, Digital Products, and Technology, AK DEMIYA2063

14:00-17:00 **Technical Interactive Panel**

Session title: Mechanization

Location: Bougainvillea

Mechanization has revolutionized agriculture in many parts of the world, reducing labor costs and increasing yields. This session will explore the latest developments in agricultural mechanization and how they can help farmers increase efficiency, save time, increase productivity, and boost profitability. Discussions will focus on new technologies for planting, harvesting, weed management, irrigation and processing, and the potential of mechanization to revolutionize agriculture in Africa. Lessons learned from mechanization business model across the globe will be shared. The session will make a strong call for enhanced investment that can reduce the cost of mechanization, and for collaboration between public-private partners including farmers, equipment manufacturers, mechanization service providers, financiers, and policymakers, for the successful adoption of agricultural mechanization in Africa.

Moderator

• Prof. Garba Hamidu Sharubutu, Executive Secretary, Agricultural Research Council of Nigeria (ARCN)

Panelists

•Ms. Mary Njue, Founder & Chief Executive Officer, Epicenter Africa

•Ms. Winnie Jelagat Kimutai, Head Agronomist, Bharat Bio East Africa Ltd

•Ms. Esta Kamau, Country Director, Heifer International

•Mr. George Marechera, Agribusiness Development Manager, Cassava Mechanisation & Agro-processing Project, African Agricultural Technology Foundation (AATF)

•Dr. Duncan Onyango Mbuge, Associate Professor, Dept. of Environmental and Biosystems Engineering, University of Nairobi

•Mr. Geoffrey Otieno, Board Director, Agridrive Ltd

•Ms. Florence Kariuki, General Manager, Food and Agriculture, Equity Foundation

•Dr. Telesphore Ndabamenye, Director General, Rwanda Agriculture and Animal Resources Development Board

As a global advocate for the plant science industry, **CropLife International** champions innovative technologies that enable farmers to sustainably increase productivity to ensure food security while managing the critical challenges facing our

climate and the environment.



REGIONAL PARTNER:



14:00- 15:30	Youth Dialogue: Fostering the next generation
	Location: Ivory
	The Youth Dialogue aims to provide a platform for young people to voice their perspectives, ideas, and aspirations in the context of sustainable agriculture. It focuses on fostering youth engagement, innovation, and leadership within the sector. Through interactive discussions, workshops, and networking opportunities, the session encourages dialogue and collaboration among youth participants, experts, and policymakers. In addition, this session will surface the voices of youth-focused entrepreneurial supporters including funders and NGOs directly involved in agri-business support targeting youth in various value chains to highlight current trends, models, and key lessons emerging.
	Moderator:
	•Dr. Joseph Macharia, Founder, Mkulima Young
	Keynote:
	•Dr. Joseph Macharia, Founder, Mkulima Young
	Discussants:
	•Mr. Matthias Charles Yabe, CEO, AkoFresh
	•Ms. Vivianne Meta, Managing Director, LocatelT
	•Ms. Zola Magada, Global Fellows Coordinator, Alliance for Science
	•Mr. Kenneth Obayuwana, National Director, International Association of Students in Agriculture and Related Sciences (IAAS)
15:30-16:00	Tea Break
16:00- 17:30	Farmers Dialogue: Repositioning Producers
	Location: Ivory
	The Farmers Dialogue provides a platform for farmers to share their experiences, challenges, and success stories. It focuses on repositioning producers and ensuring their voices are heard in discussions related to agricultural development. The session will allow interactive panels, knowledge-sharing sessions, and networking opportunities for farmers to connect with experts, policymakers, and industry representatives.
	Moderator: Mr. Dziko Chatata, Founder, Thanthwe Farms
	Keynote: Ms. Margaret Munene, CEO, Palmhouse Dairies
	Discussants:
	•Ms. Loureen Awuor, Chief of Staff & Head of Partnerships, Kenya National Farmers' Federation (KE-NAFF), World Farmers Organisation
	•Mr. Daniel Magondu, Farmer, Society for Biotech Farmers of Kenya
	•Mr. Anthony Kioko, CEO, CGA
	•Mr. Paul Fatch, Chairperson, AFAAS
	•Mr. Wiledio Naboho, Farmer, Burkina Faso
17:30-18:00	Demo
	Session Title: Precision Agriculture by Saron Ltd
	Location: Zebra Lawns

Day 2:

Tuesday 31 October 2023 Theme: Enabling Environment

The creation and adoption of agricultural technologies and innovations requires an enabling environment. Policy makers play a key role in this, but they must work in partnership with stakeholders to ensure policy is responsive. Effective strategies are needed to boost investments, R&D, and technology transfer to leverage and scale agricultural technologies and innovations and their transformation potential.

Time	Session
08:00-10:30	Official Opening Session – Transforming Agriculture through Technology Location: Jambo Plenary Hall
	The High-Level Opening Session will discuss the transformative potential of technology in agriculture. Discussions will examine how technology can help advance African agriculture and foster sustainable growth in the sector. The session will focus on exploring key message objectives, and strategies for driving agricultural innovation through technology. It will als offer insights into the opportunities and challenges of leveraging technology in agriculture and how technology can contribute to building resilient food systems. We will be honored to have a keynote address from H.E. Dr. William Samoei Ruto, President of the Republic of Keny and Commander-in-Chief of the Kenya Defense Forces.
	Moderator: Mr. Michael Gitonga, Secretary of State Functions
	Official Opening Session and Keynote Address
	•Dr. Canisius Kanangire, Executive Director AATF
	•Hon. Mithika Linturi, Cabinet Secretary, Ministry of Agriculture & Livestock Developmen Kenya
	•H.E. Dr. Goodluck Ebele Azikiwe Jonathan, Former President, Federal Republic of Nigeria
	•H.E. Dr. William Samoei Ruto, C.G.H., President of the Republic of Kenya and Command er-in-Chief of the Kenya Defense Forces
	Awarding of Certificates and Plaques of Recognition by H.E. Dr. William Ruto, Presiden of the Republic of Kenya and Commander-in-Chief of the Kenya Defense Forces.
08:00-08:30	Demo
	Session Title:
	 Smallholder Driven Technologies by Agricultural Technology Development Centers Digitizing Mechanization by Hello Tractor
	Location: Zebra Lawns
10:30-11:00	Tea Break

Page 5

11:00-12:00	High-Level Opening Panel – Transforming Agriculture through Technology Location: Jambo Plenary Hall
	Framing Panel
	Moderator: Yvonne Okwara, News Anchor, Citizen TV
	Framing Panel:
	•Dr. Canisius Kanangire, Executive Director AATF
	•Dr. Celso Luiz, Moretti, President, Embrapa
	•Dr. Ousmane Badiane, Founder & Executive Chairperson, AKADEMIYA2063
	•Dr. Aggrey Ambali, Chair, AATF Board and Head of Science, Technology and Innovation Hub (NSTIH), NEPAD
12:00-14:00	Lunch Break
13:00-14:00	Demo
	Session Title: Smallholder Driven Technologies by ATDC
	Session Title: Digitizing Mechanization by Hello Tractor
	Location: Zebra Lawns
14:00-15:30	High-Level Plenary
	Session title: Trade, Policy & Regulatory Frameworks
	Location: Jambo Plenary Hall
	This high-level plenary session will discuss the critical role of policy and regulatory frameworks in enabling trade and economic development in emerging markets. It will examine best prac- tices for creating a conducive environment for trade and investment, exploring success stories from emerging markets. The discussion will also highlight the importance of collaboration be- tween industry, government, and academia to promote economic growth and trade in Africa.
	Moderator: Ms. Yvonne Okwara, News Anchor, Citizen TV
	AATF Project Showcase: Mechanization by Mr. George Marechera, Agribusiness Development Manager, Cassava Mechanisation & Agro-processing Project, African Agricultural Technology Foundation (AATF), Kenya
	Panel
	•Hon. John Mutunga, Chair, National Assembly, Kenya
	•Hon. Ms. Rebecca Miano, Cabinet Secretary, Ministry of Industrialization, Trade and Enterprise Development, Kenya
	•Hon. Dr. Peter Mathuki, Secretary General, East African Community (EAC)
	•Dr. Laila Lokosang, Senior Technical Adviser, African Union
	•Ms. Emily Rees, President and Chief Executive Officer, CropLife International
	•Mr. Nega Wubeneh, Head of Trade and Markets, AGRA
	•Ms. Michelle Kagari, Senior Director, Government Relations and Policy, One Acre Fund
	•Dr. Francis Nang'ayo, Senior Manager, Regulatory Affairs, African Agricultural Technology Foundation (AATF)
15:30-16:00	Tea Break

16:00-17:00	Technical Interactive Panel
	Session title: One Health
	Location: Ivory
	This session will provide a platform to d
	iscuss the One Health approach, particularly its relationship with food systems and livestock production. It will feature a diverse group of speakers with expertise in human health, animal health, environmental health, and plant health. Speakers will explore the interlinkages of hu- man, animal, and environmental health in the context of agriculture, and the opportunities for adopting a One Health approach to promote food and nutrition security. The challenges and opportunities for implementing the One Health approach in African agriculture and the role of different actors in promoting collaboration and multi-sectoral engagement for successful implementation will also be highlighted.
	Moderator: Prof. Mark Rweyemamu, Executive Director, SACIDS Foundation for One Health Panelists
	•Dr. Hung Nguyen, Co-Leader, Animal and Human Health Program, International Livestock Re- search Institute (ILRI)
	•Ms. Carolin Schumacher, Chief Executive, GALVmed
	•Dr. Emmanuel Okogbenin, Director, Programme Development and Commercialisation, Afri- can Agricultural Technology Foundation (AATF)
	•Prof. Lateef Oladimeji Sanni, President, International Society for Tropical Root Crops (ISTRC), Nigeria
	•Mr. Justin Hess, Founder, Aquaponics
	•Ms. Feddy Tesha, Founder, Profate Investment Ltd
16:00-17:00	Technical Interactive Panel
10.00 17.00	Session title: Biotechnology Advances and Emerging Opportunities
	Location: Jambo Plenary Hall
	This session will highlight how agricultural biotechnology is transforming African agriculture for improved resilience to climate change and sustainable food systems for the attainment of the Malabo goals, Agenda 2063 priorities and the Sustainable Development Goals (SDGs). Agricultural biotechnology plays a complimentary role to other technologies and offers strong tools, strategies and approaches that enhance efficient development of compelling products that offer innovative solutions to farmers' needs. Emerging technologies such as genome editing enable rapid and precise mutagenesis to unravel rare novel commercial traits critical to industrial, agriculture, health, and nutrition sectors. Participants will discuss how the continent can further harness and scale the use of these tools by creating an enabling environment that encourages investments and adoption.
	Moderator: Prof. Hamadi Boga, Senior Advisor at African Agricultural Transformation Initiative Keynote: Ms. Florence Nazare, Head of Centers of Excellence, AUDA-NEPAD Panelists:
	•Dr. Nompumelelo Obokoh, Chief Executive Officer, South African Council for Natural Scientif- ic Professions (SACNASP)
	•Dr. Silas Obukosia, Business Manager, African Biosafety Network of Expertise, ABNE
	•Dr. Agnes Asagbra, Director-General, National Biosafety Management Agency (NBMA)
	•Dr. James Onsando, International Seed and Seed Systems
	•Prof. Walter Alhassan, Former Director General, Ghana Council for Scientific and Industrial Research (CSIR)
	•Dr. Sheila Ochugboju, Executive Director, Alliance for Science

16:00-17:30	Ministerial Dialogue: Cultivating Sustainable Growth
	Location: Bougainvillea
	This session will be a platform for ministers and government officials to engage in strate- gic discussions on cultivating sustainable growth within the agricultural sector. This session brings together key decision-makers to address pressing challenges, explore policy frame- works, and share best practices that promote sustainable agricultural development. Join us as ministers and government officials from across the globe come together to exchange insights, experiences, and innovative approaches in driving inclusive growth, food security, and rural development. Engage in thought-provoking discussions on topics such as agricultural poli- cies, investment strategies, technology adoption, and the role of public-private partnerships in achieving sustainable agricultural transformation. Through this Ministerial Dialogue, we aim to forge collaborative solutions and chart a path towards resilient and equitable agricultural systems. Be a part of this prestigious gathering of ministers, where strategic dialogues shape the future of agricultural policies and practices, enabling sustainable growth for generations to come.
17:30-18:00	Demo
	Session Title: Drones for Resilience by CABI
	Location: Zebra Lawns
18:30	AATF 20 th Anniversary GALA Reception (<i>By Invitation Only</i>)
	Marking two decades of the organization's existence and contributions towards promoting agricultural technologies in Africa, the AATF 20th Anniversary GALA Reception will provide an opportunity for guests to network and engage with each other in a relaxed and festive atmosphere. Attendees can expect a lively evening filled with entertainment, speeches, and a showcase of AATF's achievements and projects.

MICHIGAN STATE UNIVERSITY'S ROOTS ARE GROUNDED IN STRONG EXPERTISE IN FOOD AND AGRICULTURAL SCIENCES



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MSU faculty are foremost experts in crop and soil sciences, agricultural economics, animal science, and more, with decades of experience in research, teaching, and capacity building.

Michigan State University has been advancing the common good with uncommon will for more than 165 years.

Day 3: Wednesday, 1 November 2023 Theme: Climate-Smart Agriculture

Agriculture remains vulnerable to climate change with far reaching impacts on agricultural production, food security, and the livelihoods of many farmers. Climate-smart agriculture has the potential to tackle climate change by increasing productivity and enhancing resilience while reducing emissions from agriculture. Harnessing and scaling climate-smart agriculture technologies can mitigate climate change impacts.

Time	Session
09:00-10:00	Demo
	Session Title: Relief to Resilience by Alliance for Science
	Location: Ivory
09:30-10:00	Tea Break
10:00-12:00	Morning Plenary:
	Session title: Mainstreaming Biotechnology in African Agriculture
	Location: Jambo Plenary Hall
	Get ready to explore the latest innovations and trends in agricultural biotechnology and new technologies. The session will explore the role of biotechnology and emerging technologies in transforming agriculture and food systems in Africa. Panelists will delve into the use of biotechnology and emerging technologies to increase agricultural productivity, improve food safety and quality, and enhance the resilience of African food systems. The discussion will be enriched with examples of success stories, challenges, and opportunities from different stakeholders. The session will also highlighthow biotechnology and emerging technologies can contribute to the achievement of the Sustainable Development Goals (SDGs) and support Africa's economic growth. The session will start with an Open Forum on Agricultural Biotechnology (OFAB), followed by 2 panels, the first one highlighting success stories and opportunities, while the second one highlighting Next Gen Technologies.
	Moderator: Dr. Roy Mugiira, CEO, National Biosafety Authority
	AATF Project Showcase: Open Forum on Agricultural Biotechnology (OFAB) by Mr. Vitumbiko Chinoko, Project Manager, African Agricultural Technology Foundation (AATF)
	Panel 1: Success Stories and Opportunities
	•Ms. Patience Koku, CEO, Replenish Farms
	•Dr. Rufus Ebegba, Past CEO, National Biosafety Management Agency
	•Mr. George Sarpong, Member, Board of Trustees, AATF
	•Prof. Abdullahi Mustapha, Director General and CEO, NABDA
	•Dr. Titus Alicai, Director of Research and Postgraduate Studies, National Agricultural Research Organ- isation (NARO)
	Panel 2: Next-Gen Technologies
	•Mr. Joe Cornelius, Chief Executive Officer, Gates Ag One
	•Dr. Leena Tripathi, Director, Eastern Africa Hub Biotechnology Program Leader, IITA
	•Prof. Douglas D. Buhler, Associate VP, Professor of Plant, Soil and Microbial Sciences, MSU
	•Prof. Idah Sithole-Niang, Professor, University of Zimbabwe
	Path Forward: Prof. Richard Oduor, Registrar, Research, Kenyatta University/ Chair, KUBICO
12:00-14:00	Lunch Break



12:00-14:00	ACAT Partners Luncheon (By Invitation Only)
	Location: Bougainvillea
	This will be an ACAT partner event focused on feedback of ACAT 2023 and recommendations for nex
	ACAT 2025 in 2025. It will share highlights of the Scaling for Impact AATF Strategy (2023-2027) and how ACAT supports the realization of some of its critical components. It will be an expectively to the second se
	how ACAT supports the realization of some of its critical components. It will be an opportunity to discuss how to structure the next ACAT to be held in 2025.
13:00-14:00	Demo
	Session Title: Cold Chain Technology by AkoFresh
	Location: Zebra Lawns
14:00-17:00	Technical Interactive Panel
	Session title: Climate-Smart Farming Solutions
	Location: Jambo Plenary Hall (Side 1)
	Agriculture is both a mitigator and contributor to climate change, accounting for about 19-29% of
	total global GHG emissions. Climate change adversely affects the sector in Africa, raising the need for
	climate-smart farming solutions. This session will look at climate smart solutions that reduce emis
	sions while also improving the adaptive capacity to the negative impacts of climate change in th sector. Participants will explore the latest innovations in climate-smart farming practices, such a
	conservation and regenerative agriculture and technologies, including small-scale adaptation tech
	nologies and how they can be applied to mitigate the impact of climate change in agriculture, pa
	ticularly in Africa.
	Moderator
	•Mr. Vitumbiko Chinoko, Project Manager – OFAB, African Agricultural Technology Foundation (AATH
	Panel 1: Framing
	Keynote:
	•Ms. Sheila Roquitte, Deputy Mission Director, Kenya, USAID
	Panelists:
	•Prof. Theophilus Mwendwa Mutui, Managing Director, Kenya Plant Health Inspectorate Service (KE
	•Dr. George Wamukoya, Team Leader, African Group of Negotiators Experts Support (AGNES)
	•Ms. Sithembile Mwamakamba, Director, Policy Research and Analysis, FANRPAN
	•Mr. Kamwesige Mujuni Mtembei, Agricultural Officer, Ministry of Agriculture, Tanzania
	Panel 2: Solutions
	Keynote:
	•Dr. Emma Naluyima, Uganda Integrated Farmer
	Panelists:
	•Ms. Elizabeth Gulugulu, Program Project Manager, African Youth Initiative on Climate Change
	•Dr. Hamidou Traoré, Director General, INERA Burkina Faso
	•Dr. Solomon Assefa, Head, TAAT Clearinghouse
	•Mr. Charles Gitau, Country Director and Vice Chair-Pan African Board, Africa Agribusiness Academy
	•Mr. Benson Kamau, Chief Executive Officer, Climate Smart Agriculture Excellence Centres

14:00-17:00	Technical Interactive Panel
	Session title: Agricultural Early Warning Systems
	Location: Jambo Plenary Hall (Side 2)
	This session will delve into the importance of early warning systems in agriculture and how they can aid farmers to prepare for and mitigate the impact of natural disasters, pest and disease outbreaks, and other challenges. The session will also discuss amongst other things the application of Artificial Intelligence (AI) based applications in managing farm operations including for instance the use of drones and other unmanned aerial vehicles (UAVs) in crop scouting, monitoring crop vigour assessments, and mapping of location-specific fertilizer applications, precision spraying and rapid crop damage assessments. Special attention will be devoted to highlighting current technical and policy gaps in existing early warning systems including priority areas for improvement to harness climate smart solutions. Experts will provide valuable insights on the latest technologies and developments in agricultural early warning systems, showcasing how these advancements can be safely and responsibly harnessed to build resilience in African food systems.
	Moderator: Mr. John Agboola, Ambassador, Platform for Big Data in Agriculture
	Panelists
	•Dr. Celso Moretti, President, Embrapa
	•Mr. Moses Rwaheru Mwesigwa, Director, Desert Locust Control Organization for Eastern Africa (DL-CO-EA)
	•Dr. Daniel Karanja, Deputy Director, Research and Innovation, CABI International (CABI)
	•Prof. Kevin McDonnell, Professor Crop Science & Biosystems Engineering, University College Dublin
	•Dr. Stephen W. Njoka, OGW, Chief Research Scientist, KALRO
	 Ms. Brenda Lazarus, Food Security and Early Warning Economist, FAO Ms. Allegra Piazza, Lead, Agricultural Early Warning Systems, DevelopMetrics, USA
14:00- 15:30	Researchers Dialogue: Accelerating Science, Technology and Innovation
	Location: Ivory
	This will be an engaging platform designed to accelerate agricultural innovation and foster collabora- tion among researchers. The researchers dialogue provides a platform for researchers, scientists, and experts to discuss and accelerate agricultural innovation with a key emphasis on trust and optimal, on-time innovation and uptake to ensure timely market entry. The session focuses on the latest re- search methodologies, technological advancements, and emerging trends that have the potential to revolutionize the agriculture sector. What are some of the latest research methodologies, data-driven approaches, and emerging technologies that have the potential to revolutionize the agricultural sec- tor in Africa? Through interactive panels, presentations, and networking sessions, the dialogue aims to facilitate cross-disciplinary collaboration, amplify research impact, and address key challenges faced by the agricultural community. Together, we will accelerate the pace of innovation, bridge the gap between research and implementation, and pave the way for sustainable and resilient agricul- tural systems. Don't miss this opportunity to connect with fellow researchers, contribute to scientific advancements, and shape the future of agricultural innovation.
	Moderator : Dr. Martin Ongol, Director of Research and Postgraduate Studies, University of Rwanda, College of Agriculture, Animal Sciences and Veterinary Medicine Keynote : Dr. Margaret Opondo, Senior Lecturer, University of Nairobi
	Discussants:
	•Prof. Richard Oduor, Registrar, Research, Kenyatta University/ Chair, KUBICO
	•Dr. Tshilidzi Madzivhandila, Head of Missions & Chief Executive Officer, FANPRAN
	•Dr. Cliff Sibusiso Dlamini, Executive Director, CCARDESA
	•Dr. Kamil Witek, Group Leader, 2Blades
15 30 46 66	•Ms. Juneweenex Mbuthia, Economic Researcher, IFPRI
15:30-16:00	Tea Break

16:00-17:30	Private Sector Dialogue: Positioning the Private Sector for Sustainable Agricultural Innovation
	Location: Ivory
	This session will bring together influential industry leaders, entrepreneurs, investors, and innovators to explore opportunities, share best practices, and catalyze transformative solutions for the agricultural sector. We will delve into the role of the private sector in driving innovation across the entire value chain, from farm to fork. Engage in dynamic discussions on topics such as agri-tech advancements, value-added processing, market access, sustainable financing, and inclusive business models. Discover successful case studies, learn about emerging trends, and explore partnership opportunities that can accelerate agricultural innovation and drive sustainable growth. Through this Private Sector Dialogue, we aim to build bridges between diverse African stakeholders, foster collaboration, and create an enabling environment for transformative solutions that address the challenges faced by the agricultural sector. Be part of this influential dialogue and contribute to shaping the future of agricultural innovation and sustainable development.
	Moderator: Mr. Mark Edge, Director, Seeds & Traits Business Development for LMICs, Bayer
	Keynote: Ms. Carole Kariuki, CEO, KEPSA
	Discussants
	•Ms. Nkiru Okpareke, Board Chair, Agridrive Ltd
	•Mr. Tony Gathungu, Syngenta Foundation
	•Mr. Duncan Ochieng, Executive Officer, Seed Trade Association of Kenya (STAK)
	•Mr. Andy Watt, Managing Director, Quality Basic Seed
	•Mr. Joseph M. Choge, Chairman of the Board (Food & Beverages Sector), Kenya Association of Man- ufacturers (KAM)
	•Mr. Joseph Mwangangi, Deputy CEO, AFAP
17:30-18:00	Demo
	Session Title: Aquaponics by Ichtys
	Location: Zebra Lawns





Transforming African Agriculture: Harnessing Seed Innovations to Secure Food Systems



AGRA actively supports inclusive agricultural transformation and sustainable food systems in 15 focus countries in Africa.

Key Role of Seed Systems:



Seed innovations are crucial for unlocking the economic potential of rural economies. Empowering Smallholder Farmers:



AGRA's goal is to empower 28 million African smallholder farming households to transform their farms into profitable businesses.



Center of Excellence for Seed Systems in Africa (CESSA) uses SEEDSAT to identify and address seed system bottlenecks, from breeding to farmer participation, aiming to build functional national seed systems and drive sustained agricultural growth. Seed Access: 20% smallholder farmers have access to seeds

Only 20-30% of smallholder



farmers have access to improved seeds, which are essential for agricultural growth.

Seed System Assessments:





AGRA recently conducted seed system assessments in 11 countries, revealing the need for upto USD 65 million per country to build sustainable and functional seed systems.

Day 4:

Thursday 2 November 2023 **Theme: Nutrition-Sensitive Agriculture**

Nutrition-Sensitive Agriculture (NSA) goes beyond food production and maximizes agriculture's contribution to nutrition. It addresses the underlying courses of undernutrition, overnutrition and micronutrient deficiencies. Technologies and innovations to support NSA are evolving rapidly. Their adoption and scaling in Africa can immensely contribute to food and nutrition security on the continent.

Time	Session
09:00-10:00	Technical Interactive Panel
	Session title: Urban Agriculture & Peri-Urban Agriculture
	Location: Bougainvillea
	Explore the growing trend of urban agriculture and peri-urban agriculture, which involves the pro- duction of food in cities and other urban areas. Interact with the latest innovations in urban agricul- ture and learn about the potential benefits of confined environment agriculture, including improved food security and reduced environmental impact. Case studies of successful UPA projects will be showcased and the policies and practices needed to scale up the UPA innovations/approaches ex- plored.
	Moderator
	•Ms. Sylvia Horemans, Member, Board of Trustees, African Agricultural Technology Foundation (AATF), CEO, Kamano Seed, Zambia
	Panelists
	•Mr. A.G. Kawamura, Founding Member, Orange County Produce, LLC, USA
	•Mr. Henry Gordon-Smith, Founder & Chief Executive Officer, Agritecture, USA
	•Prof. Margaret Gill, Member, Board of Trustees, African Agricultural Technology Foundation (AATF), Emeritus Professor at the University of Aberdeen, UK
9:00-10:00	Gender Dialogue: Cultivating Inclusivity
	Location: /vory
	The Gender Dialogue session provides a platform to discuss and address gender-related issues in the agricultural sector. The session aims to highlight the importance of gender equality and wom- en's empowerment in agriculture, focusing on the role of women in driving agricultural innovation, productivity, and resilience, particularly in the African context. We will explore strategies, challenges, and opportunities for promoting gender-responsive policies, programs, and practices in agricultural value chains.
	Moderator:
	Ms. Loureen Awuor, Chief of Staff & Head of Partnerships at Kenya National Farmers' Federation (KE- NAFF)
	Keynote:
	•Mr. Emmanuel Babatunde, Lead Strategist, FutuX Agri-consult
	Discussants:
	•Ms. Maureen Munjua, Country Representative, Kenya, Tanager
	•Ms. Molly Abende, Production Manager, Burton and Bamber Co Ltd (SweetTunda)
	•Mr. Lucas Ogutu, Founder, LUKF Eco-Farm Enterprise
10:00-10:30	Tea Break

10:30-12:00	Morning Plenary
	Session title: Scaling up Nutrition-Sensitive Agriculture
	Location: Jambo Plenary Hall
	This plenary will focus on the importance of nutrition-sensitive agriculture, which aims to promote the production and consumption of diverse and nutritious foods. Experts in the field will discuss ways in which agriculture can contribute to improved nutrition outcomes, particularly in low-income countries where food insecurity and nutrition are a major public health challenge.
	Moderator: Ms. Yewande "Wandie" Kazeem, Founder, Nutrition Conversations Africa, Nigeria
	AATF Project Showcase: Bt Cowpea by Dr. Emmanuel Okogbenin, Director of Programmes and Commercialisation, African Agricultural Technology Foundation (AATF)
	Panel 1:
	•Dr. Edidah Ampaire, Senior Programme Officer, IDRC (Canada)
	•Ms. Ruth Okowa, Country Director, Kenya, GAIN
	•Prof. Jane Ambuko-Lukhachi, Associate Professor, Horticulture, Department of Plant Science and Crop Protection, University of Nairobi, Kenya
	•Dr. Jane Ininda, Head of Seed Research and Systems Development, AGRA
	Panel 2:
	•Dr. Robert Mwadime, Chief of Party, RTI
	•Mr. Jean-Claude Rubyogo, Director, PABRA
	•Mrs. Tendai Gunda, Regional Representative, Anglophone Africa, Scaling Up Nutrition
	Path Forward: Ms. Maureen Munjua, Country Representative, Kenya, Tanager
12:00-14:00	Lunch Break
13:00-14:00	Demo
	Session Title: Seed Technology by IITA
	Location: Zebra Lawns

Session sponsored by **PABR**



14:00-17:00 **Technical Interactive Panel**

Session title: Agro-processing

Location: Bougainvillea

Gain insights into the latest trends, innovations, and best practices in agro-processing. This technical interactive panel will provide the latest insights on trends, innovations, and best practices in agro-processing, value addition, and issues related to food nutrition. It will highlight the potential of agro-processing to optimize production, enhance competitiveness, maximize profits, and contribute to improved nutritional outcomes. The panel will also shed light on the role of biotechnology in facilitating efficient agro-processing and assess the suitability and adoption of existing technologies. Moreover, it will address the degree of attention agro-processing has received in Africa, explore market entry and relevance, and analyze the specific challenges faced by women and youth in this sector. The session will further examine trade barriers, including international trade standards influencing market access, and issues both within and outside Africa, and determine key priorities that should be emphasized. The effectiveness of agro-processing zones will be evaluated, identifying reasons for their success or failure. The critical linkages between feedstock availability and industries will be examined, drawing upon key examples of successful models implemented in Africa. How can we leverage these to optimize production, increase competitiveness, and maximize profits while contributing to nutritional outcomes?

Moderator: Dr. Martin Fregene, Director, Agriculture and Agro-Industry, African Development Bank (AfDB), Côte d'Ivoire

Panel:

•Ms. Sylvia Horemans, Member, Board of Trustees, African Agricultural Technology Foundation (AATF) & CEO, Kamano Seed

•Dr. Abass Adebayo, Coordinator, Cassava Compact, TAAT

•Mr. Olapade Damilola Blessing, Head, Agricultural Value Chains, Psaltry International

•Ms. Dorah Momanyi, Founder, Nutritious Agriculture Network

•Ms. Oluwaseun Sangoleye, CEO, Baby Grubz

•Ms. Renalda Mlay, Renie Fresh



PABRA: Addressing Burden of Malnutrition through Beans

For over 25 years, the Pan Africa Bean Research Alliance (PABRA) has demonstrated unwavering dedication and commitment to improving nutrition and food security across 31 African countries by harnessing the potential of beans, a vital source of plant-based proteins and micronutrients.

PABRA is a partnership of over 570 stakeholders (public and private sector including national research organizations and farmers organizations) along the beans value chain. It comprises three networks: ECABREN (Eastern Africa Bean Research Network), SABREN (Southern Africa Bean Research Network) and WECABREN (Western and Central Africa Bean Research Network). PABRA works with national partners, using the innovative Bean Corridor approach to design innovative tools and interventions along the bean value chain for improved livelihoods.

PABRA members have released over 650 climate-smart and micronutrient bean varieties. These varieties are grown by over 37 million smallholder farmers in Africa and consumed by more than 300 million people in Africa, significantly improving nutrition, health, and food security. Among these are biofortified bean varieties with high iron and zinc, suitable for alleviating stunting among children under the age of 5 years and iron deficiency for adolescent girls and expectant mothers.

In recognition of this effort, PABRA was a co-winner with Africa Rice Center of the prestigious <u>Al-Sumait Prize for African Development</u> in 2019 for contributing to Food Security through bean research. Most recently PABRA was honoured with the prestigious <u>Africa Food Prize for 2023</u>, recognizing its exceptional leadership in developing numerous bean varieties that meet increasing consumer demand.

PABRA's work has been made possible through generous support from diverse funding partners worldwide. for over 27 years.





This technical interactive panel will explore the role of nutrition-sensitive agriculture interventions in
This technical interactive panel will explore the role of nutrition-sensitive agriculture interventions in
improving nutrition outcomes for farming households. Speakers will provide insights into the latest innovations in food production, post-harvest loss management, processing, and distribution, as well as the policies and practices needed to promote the adoption of these interventions. The discus- sion will include exploring ways in which organisations working in nutrition-sensitive agriculture can partner for the greater good of farmers. How can communication for behavior change lead to improved nutrition outcomes? The workshop will highlight case studies and success stories of proj- ects and businesses that have successfully integrated nutrition-sensitive agriculture. Participants will discuss the challenges and opportunities of scaling up nutrition-sensitive agriculture interventions, particularly in the African context.
Moderator: Dr. Mel Oluoch, Director, Strategic Partnerships, Sasakawa
Panel 1:
Dr. Ashish Saxena, Division Chief, Input Systems, USAID Bureau for Resilience, Environment, and Food Security
Ms. Tendai Gunda, Regional Representative, Anglophone Africa, Scaling Up Nutrition
Dr. Eileen Nchanji, Gender and Social Inclusion Expert, Bioversity International and CIAT
Dr. Abdelbagi Ismail, Regional Director, IRRI-Africa
Panel 2:
Dr. Catherine Macharia-Mutie, Deputy Team Leader, Tanager
Mr. Matthias Charles Yabe, CEO, AkoFresh
Mr. Jonathan Bamber, Director, Sweet Tunda
Dialogues Closing Forum: Advancing Sustainable Agriculture Roundtable
Location: Jambo Plenary Hall
This session will bring together key stakeholders, including policymakers, researchers, industry lead- ers, and civil society representatives, to chart the way forward for sustainable agriculture in Africa and turn the outcomes of the dialogues that took place throughout the event into commitments and takeaways.
Engage in dynamic discussions focused on key themes such as climate resilience, inclusive growth, technological advancements, and policy frameworks for sustainable agricultural development. Explore innovative approaches, share success stories, and identify actionable strategies to overcome challenges and leverage opportunities in the pursuit of sustainable agriculture in Africa to provide an ideal continental infrastructure for the development of Agricultural Technologies. This closing dialogue serves as a platform to consolidate knowledge, foster collaboration, and inspire collective action to drive transformative change in the agricultural sector. Be part of this impactful roundtable and contribute to shaping a resilient, inclusive, and sustainable future for agriculture in Africa.
Tea Break
Demo
Session Title: Farm Design by Agritecture Location: Zebra Lawns

Day 5:

Friday 3 November 2023 Theme: Food Systems Development

Food systems development requires all actors to work together in the transformation into healthy, inclusive, and sustainable food systems. Innovation is a key lever of change as identified by the UN Food Systems Summit. It is thus imperative to strengthen the capacity of institutions, create an enabling environment and work collaboratively to ensure we harness technology and innovation as part of food systems development.

Time	Session
9:00-10:00	Technical Interactive Panel
	Session title: Food to Market
	Location: Bougainvillea
	The food to market technical interactive panel will focus on the challenges and opportuni- ties for (African) smallholder farmers to get their products to market. Successful food market development in Africa requires a strong understanding of market demand, supply chain lo- gistics, and stakeholder engagement. What are some of the most successful business models, investment opportunities, and strategies to promote sustainable and equitable growth in the food market in Africa? The session will address issues related to supply chain management, market infrastructure support, market access, market information access and value addition. Through interactive discussions and case studies, participants will gain insights into the lat- est approaches for improving the competitiveness of smallholder farmers in the market, and ultimately contributing to the development of inclusive and resilient food systems. The ses- sion will highlight how investing in food market development can have a positive impact on African local communities and economies, as well as food systems globally. Strategies to promote sustainable and equitable growth in food markets for addressing food security challenges in Africa and around the world will be deliberated.
	Moderator
	•Dr. Tshilidzi Madzivhandila, Head of Missions & Chief Executive Officer, Food, Agriculture and Natural Resources Policy Analysis Network (FANRPAN) Panelists
	•Ms. Hazel Awino, Chief Executive Officer, Agri Innovation Hub, Kenya
	•Mr. Anthony Kioko, Chief Executive Officer, Cereal Growers Association
	•Ms. Eunice Mwongera, Business Executive, Hillside Green Growers & Exporters
	•Ms. Pauline Otila, Managing Director, Apiculture Venture Limited
	•Mr. Shey R. Tata, Member, Board of Trustees, AATF
	•Mr. Michael Waciira, Founder, Umoja Farmers' Agri-hub
10:00-10:30	Tea Break

10:30-13:00	Closing Plenary
	Session title: Investment in Innovation
	Location: Jambo Plenary Hall
	To close the first ACAT session, government officials, industry leaders, innovators, farmers, and other actors will come together to make commitments and provide the path forward for realizing the continent's agtech and innovation potential. The session will outline concrete steps needed to increase investments in innovative solutions to address the challenges facing agriculture and food systems. Leaders will examine the current state of innovation in agriculture, the opportunities, and challenges of investing in innovation. How can all actors work collaboratively to create an enabling environment for innovation to thrive?
	Moderator: Ms. Yvonne Okwara, News Anchor, Citizen TV
	AATF Project Showcase: Catalyzing Seed Systems in Africa by Dr Munyaradzi Jonga, Seeds Production Manager, African Agricultural Technology Foundation, Kenya
	Firestarter Panel
	•Dr. Canisius Kanangire, Executive Director, African Agricultural Technology Foundation (AATF), Kenya
	•Dr. Aggrey Ambali, Head of Science, Technology and Innovation Hub (NSTIH) -AUDA/NEPAD and Chair, Board of Trustees, African Agricultural Technology Foundation, South Africa
	•H.E. Dr. Goodluck Ebele Azikiwe Jonathan, Former President, Federal Republic of Nigeria
	•Ms. Seema Gohil, Director, DigiFarm, Safaricom PLC
	Speeches
	•Hon. Eric Rwigamba, Minister of State, Ministry of Agriculture and Animal Resources (MIN-AGRI), Rwanda
	•Prof. Njuguna Ndung'u, Cabinet Secretary, National Treasury & Economic Planning, Kenya
	•Hon. Musalia Mudavadi, Prime Cabinet Secretary, Republic of Kenya
	•Hon. Mithika Linturi, Cabinet Secretary, Ministry of Agriculture and Livestock Development, Kenya
13:00-14:00	Lunch Break



CGIAR is a global research partnership that delivers science and innovation to advance the transformation of food, land, and water systems in a climate crisis. For over 50 years, CGIAR has worked through thousands of partnerships to take on humanity's greatest challenges.

Now, CGIAR is helping smallholder farmers across the global South build resilience and reduce emissions from farming, while also ensuring that communities around the world have better access to nutritious foods.

In 90 countries around the world, CGIAR's work is carried out in research centers, regional and national offices, and in close collaboration with partners. We adopt a holistic view of the food system, from farm to fork, recognizing that our solutions should minimize tradeoffs between increased agricultural productivity, climate and environmental goals.





2Blades is a non-profit, agbiotech company dedicated to accelerating agricultural innovation by merging cutting-edge scientific discovery with delivery in the field. It draws on its broad network of scientific, industry, and international agriculture partners to develop threat- resilient seed varieties for both commercial agriculture and smallholder farmers. In collaboration with leading research institutions around the world, 2Blades has focused its development programs on the most significant crop diseases affecting global food security, such as wheat, potato, maize, cassava, and soybean.

2Blades is headquartered in Evanston, IL, with research labs in Norwich, UK and St. Paul, MN.



ACWICT is a Kenya-based ICT for Development (ICT4D) Organization, with a regional reach whose mission is to promote women and youth access to and knowledge of ICTs as tools for sustainable development.

Since 2001 ACWICT has worked with partners to implement demand-driven skills building programs that builds the knowledge, skills, and attitudes that women and youth need to obtain and participate in productive work.

For the last two decades, ACWICT has been at the forefront, driving change and keeping pace with the emerging trends in addressing the problem of unemployment and underemployment by preparing women and youth to succeed in the job market, reaching over 300,000 with market -driven skills, mentorship, internship, and job linkage opportunities.

African Forum for Agricultural Advisory Services (AFAAS) is a continental platform for mutual learning and innovation among agricultural extension and advisory service providers across Africa. The goal of AFAAS is enhanced utilization of improved knowledge and innovations by agricultural value chain actors for improving productivity oriented towards their individual and national development objective.

The Alliance of Bioversity International and CIAT

The Alliance of Bioversity International and CIAT delivers research-based solutions that harness agricultural biodiversity and sustainably transform food systems to improve people's lives. Working, with local, national, and multinational partners across Africa, Latin America the Caribbean, and Asia with public and private sectors. With partners, the Alliance generates evidence and mainstreams innovations in large-scale programs to create food systems and landscapes that sustain the planet, drive prosperity and nourish people in a climate crisis. The Alliance is part of CGIAR, a global research partnership for a food-secure future, dedicated to reducing poverty, enhancing food and nutrition security, and improving natural resources and ecosystem services.







CCARDESA (ST

CABI is an international not-for-profit organization that improves people's lives by providing information and applying scientific expertise to solve problems in agriculture and the environment. Through knowledge sharing and science, CABI helps address issues of global concern such as safeguarding the environment and improving global food security. We do this by helping farmers grow more and lose less of what they produce, combating threats to agriculture and the environment from pests and diseases, protecting biodiversity from invasive species, and improving access to agricultural and environmental scientific knowledge. Our 49 member countries guide and influence our core areas of work. These include development and research projects, scientific publishing, and microbial services. For more information go to www.cabi.org.

CCARDESA was founded by SADC member states to harmonize the implementation of agricultural research and development (R&D) in the SADC region. CCARDESA intends to address agricultural research and design issues in the SADC region through the following interventions:

- » Coordinating implementation of regional agricultural R&D programs
- » Facilitating collaboration among stakeholders of the national agricultural research systems (NARS)
- » Promoting public private partnerships in regional agricultural R&D
- » Improving agricultural technology generation, dissemination, and adoption in the region through collective efforts, training and capacity building

Additional details: https://www.ccardesa.org/about-ccardesa



CGIAR is a global research partnership for a food-secure future dedicated to transforming food, land, and water systems in a climate crisis. It is the world's largest global agricultural innovation network. Its research is carried out by 13 CGIAR Centers/Alliances in close collaboration with hundreds of partners, including national and regional research institutes, civil society organizations, academia, development organizations, and the private sector.

Together with partners, CGIAR contributes to the Sustainable Development Goals across five key Impact Areas: climate adaptation and mitigation; environmental health and biodiversity; gender equality, youth and social inclusion; nutrition, health and food security; and poverty reduction, livelihoods, and jobs.

CGIAR strives for global and regional impact by organizing its work along three Action Areas in which accelerated innovation is required to create sustainable and resilient food, land, and water systems and to meet SDG targets. The three Action Areas are: Systems Transformation, Resilient Agrifood Systems, and Genetic Innovation.

In 2022, CGIAR launched a new portfolio of Research Initiatives. Drawing on half a century of expertise and a network of partnerships that spans the globe, the new portfolio channels CGIAR's collective research efforts toward making real impact where it counts.



Crowe Erastus and Co; is a Kenyan professional firm that offers Audit, Tax and Advisory Services.

The firm was established in 1997 as Erastus & Co. In 2010, we became a member firm of Crowe Global an International network of Independent Professional firms. Crowe Global is ranked the eighth (8) largest audit firm globally with over 20 Countries in Africa and over 150 countries worldwide.

Crowe Erastus and Co. CPAs has a total staff establishment of 63 staff; 5 of which are partners.

ECOBasic Seed Company Limited is a private for-profit foundation seed entity that produces foundation seed for the Nigerian and West African markets. It was established through a collaboration between the African Agriculture Technology Foundation (AATF), Bill and Melinda Gates Foundation (BMGF), Alliance for Green Revolution in Africa (AGRA) and the Seed Entrepreneurs Association of Nigeria (SEEDAN). The company commenced its operation in Kaduna state, Nigeria, with a primary focus on the production of high-quality foundation seed for the seed sector. ECOBasic Seed Products are the outcome of a long-term scientific breeding program that provides high-quality early generation seed for food production. The company's vision is to produce foundation seeds of the highest quality and purity for hybrid seed production for seed companies, thereby enhancing profitability, productivity, and food security in West Africa.

The International Institute of Tropical Agriculture (IITA) is a nonprofit institution

that generates agricultural innovations to meet Africa's most pressing challenges of hunger,

malnutrition, poverty, and natural resource degradation. Working with various partners across

sub-Saharan Africa, IITA improves livelihoods, enhance food and nutrition security,

increase employment, and preserve natural resource integrity. IITA is a member of CGIAR, a global agriculture research partnership for a food-secure future.

In Africa, IITA in partnership with USDA-ARS and national research organizations, have developed formidable biocontrol solutions known as Aflasafe in 10 countries, using native non-toxin producing A. flavus strains commonly found in these countries. Aflasafe has been proven to reduce aflatoxin by over 90% when applied to the crops in the field at the right time.

» In Kenya, IITA partners with KALRO and others to ensure production and distribution of Aflasafe into the hands of the farmers who need to use it. IITA has further partnered with aflatoxin sensitive processors like Delish & Nutri among others to ensure contracted farmers are able to access and use Aflasafe to produce Aflatoxin safe groundnuts, hence safe food for all consumers. Koppert Ltd, has been contracted by KALRO and is responsible for AflasafeKEO1 marketing and distribution in Kenya.





Kenya Agricultural and Livestock Research Organization (KALRO), is Kenya's statutory body mandated to conduct agricultural research through the application of science, technology, and innovation to catalyse sustainable growth and development in agriculture and livestock product value chains. This will in essence contribute to the growth of the agricultural sector through research coordination and regulation; technology and innovation development; and catalysing transfer and utilization of agricultural research outputs.

Kenya Plant Health Inspectorate Service (KEPHIS) is the parastatal under the Ministry of Agriculture and Livestock Development whose mandate is to assure the quality of agricultural inputs and produce to promote food security and economic growth. Our mandate is achieved through three key areas: seed certification, protection of plant varieties, phytosanitary (or plant health) services and analyses of agroinputs and produce through our globally accredited laboratories.

Kenya Seed Company Limited (KSC) is a state corporation that produces and markets top quality certified seeds with an overall objective of adding value to the farming business and contributing to food self-sufficiency in Kenya and beyond.



The Company was incorporated in Kenya on 2nd July 1956 to initially promote the use of improved strains of pasture seed developed by then, National Agricultural Research Station based in Kitale. Two years later KSC stated an enterprise to produce commercial sunflower for the European bird feed market to sustain its financial needs.

In 1979, the Company acquired Simpson and White Law, a company trading in horticultural seed and adopted the brand name "Simlaw Seeds", which has since distinguished itself as a leading brand in the market. In 2002, Simlaw Seeds was registered as a limited liability company and a subsidiary of Kenya Seed Company Ltd. Its core business is selling and marketing of highquality seeds, pesticides, and fertilizers in the East African region. As an expansion strategy into Eastern Africa market, Kenya Seed Company has incorporated subsidiaries namely:

- » Simlaw Seed Kenya
- » Simlaw Seed Uganda
- » Kibo Seed Company Ltd.



KickStart International is a non- profit social enterprise that supports the scale of smallholder irrigation in Africa through the development and distribution of its innovative irrigation pumps, enabling millions of smallholder farmers across Sub-Saharan Africa to adapt to climate change and tackle poverty on their own terms. With KickStart's technologies, farming families break their dependence on seasonal rains, harvest and instead sell high-value crops year-round, improve their quality of life, reduce hunger, build businesses, and strengthen their livelihoods. Headquartered in Nairobi, Kenya, KickStart promotes and scales its irrigation tools and services across 17 SSA countries, working to reach millions of smallholders cost-effectively and sustainably.







Ministry of Agriculture & Livestock Development The Ministry of Agriculture and Livestock Development is a Government of Kenya ministry. Its head office is at Kilimo House, Nairobi and it is headed by the Cabinet Secretary Hon. Mithika Linturi. The Ministry has two State Departments namely the State Departments for Crop and Livestock Development. The main aim of the Ministry is to ensure 100% Food and Nutrition Security and to improve the livelihoods of Kenyans through transformation of the sector. The core functions of the Ministry are: Formulation, implementation and monitoring of agricultural legislations, regulations and policies; Supporting agricultural research and promoting technology delivery; Facilitating and representing agricultural state corporations in the government; Development, implementation and coordination of programmes in the agricultural sector; Regulating and quality control of inputs, produce and products from the agricultural sector; Management and control of pests and diseases and Collecting, maintaining and managing information on agricultural sector.



Nairobi County

The food, agriculture and natural resource mandate is to ensure food and nutrition security while conserving the environment That's intensive food production using the available resources, ensuring food safety along the value chain and environmental conservation thus producing food in a sustainable way that mitigate climate change.



NATIONAL BIOSAFETY AUTHORITY Championing for a Biosafe Nation **The National Biosafety Authority (NBA)** was established by the Biosafety Act No. 2 of 2009 to exercise general supervision and control over the transfer, handling, and use of genetically modified organisms (GMOs) including research and commercial activities involving GMOs with a view to ensuring safety of human and animal health and provision of an adequate level of protection of the environment.



QualiBasic Seed Company (QBS) was started in 2017. The company is headquartered in Nairobi, Kenya with a subsidiary in Zambia where it boasts of an operational processing plant that was recently installed and commissioned and a storage facility in South Africa. The company endeavors to supply foundation seed of the highest quality, priced according to the value addition to the client's business and representing a level of affordability that enhances the availability of certified seed to farmers. QBS solves problems and mitigates risk for its customers helping them manage the inherent risk of producing foundation seed that significantly improves the output of their certified seed. QBS ensures that its customers will not only reliably meet their certified seed requirement, but also guarantee improved quality and productivity by supplying foundation seed of the highest quality possible. **Tea Machinery and Engineering Company (TEMEC)** Ltd is a manufacturer of processing machinery and equipment serving Kenya and the East Africa region.



TEMEC is an engineering subsidiary of Kenya Tea Development Agency (KTDA) Holdings Ltd and was established to offer innovative, high quality processing machinery and services at competitive prices.

TEMEC's focus is on agro-processing machinery, but with specialization in tea processing machinery and equipment. Its largest market being various tea factories in East Africa and other food processing companies and customers who require engineering services.

TEMEC's products are manufactured at its state-of-the-art workshop located at Kampala Road in Nairobi's industrial area. The workshop is fully equipped with machines to roll, bend, and drill and cut sheet metals. It also has lathe and milling machines for cutting shafts and gears. Other equipment includes welding and grinding machines.

TEMEC also provides installation and maintenance services to the tea industry. In addition, TEMEC supplies various spare parts and consumables to the processing industry. We have partnered with reputable suppliers to ensure EOM quality spares for efficient and high performance of machines installed in Tea and food processing factories.

Our core business is:

- » Fabrication and sale of tea processing and other machinery.
- Installation, maintenance, and after-sale support services for in-house and outsourced machinery used by our customers; and
- » Supply of machinery spare parts and engineering consumables to the processing industry.
- » We partner with reputable suppliers to ensure OEM quality spares for efficient and high performance of machines installed in Tea and food processing factories.



Technologies for African Agricultural Transformation (TAAT) is

a programme funded by the African Development Bank (AfDB) to increase agricultural productivity in Africa by deploying proven and high-performance agricultural technologies. Currently being implemented in 31 African countries as a central pillar of the AfDB's Feed Africa strategy, TAAT deploys over 100 selected, proven, and high-performance agricultural technologies in collaboration with over 300 public and private partners, including the donor organisations, CGIAR, National Agricultural Research Systems, the private sector, farmers' cooperatives and not-forprofit organisations. Through its commitment to delivering highquality seeds, breeds, and fingerlings to beneficiaries, TAAT has facilitated the dissemination of seeds to 19 million smallholder farmers. The programme has provided 11M farmers in 28 countries with climate-smart seeds, fertilisers, and technical supporthelping African food production increase by more than 12M metric tonnes.

Join us on this path to feeding Africa!







USAID Feed the Future Kenya Crops and Dairy Market Systems Feed the Future Kenya Crops and Dairy Market Systems (KCDMS) is a six-year (2017 - 2023) USAID-funded project that works to increase agricultural production and incomes and reduce malnutrition in Kenya by spurring competitive, inclusive, and resilient market systems in the horticulture and dairy sectors. Since 2017, KCDMS has supported more than 200 private sector enterprises to embrace agricultural technology innovations and solutions for improved productivity and value addition across the agricultural value chain. Some of these enterprises – DehyTech EA, GSI Kenya, Savanna Circuit, Ag Revive and LianFam enterprises are among the exhibitors showcasing their innovations during the ACAT 2023 Conference.



MISSION

To deliver science and innovation that advance transformation of food, land, and water systems in a climate crisis.





Ministry of Agriculture & Livestock Development





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The African Conference on Agricultural Technology (ACAT) brings together a dynamic community of agricultural researchers, policymakers, industry leaders, and innovators to exchange ideas, share best practices, and explore innovative solutions that can enhance agricultural productivity in Africa.