



APBAConf2025 Programme

Theme: Winning the Race against Food Insecurity, Malnutrition, and Climate Change
Date: October 6 – 8, 2025 | Venue: Elephant Hills Resort, Victoria Falls, Zimbabwe
Pre-conference Workshop October 5, 2025 | Venue: Cresta Sprayview Hotel, Victoria Falls, Zimbabwe
Post-conference Workshop October 9-10, | Venue: Cresta Sprayview Hotel, Victoria Falls, Zimbabwe

Pre-conference Workshop (Participation by invitation only) Sunday, October 5, 2025

08:00 am - 04:00 pm	Breeding Opportunity Crops for Cropping Systems – Knowledge, Collaboration & Co-creation
	Facilitator: Julia Sibiya, APBA President, and Vision for Adapted Crops and Soils (VACS) Capacity Development Lead, CIMMYT
	Moderator: Jonathan Odhong, Science for Impact Specialist, CIMMYT Speakers:
	Sieg Snapp, Program Director, Sustainable Agrifood Systems Program (SAS), CIMMYT Eva Weltzien – Rattunde, CIMMYT Consultant/Honorary Associate, University of Wisconsin-Madison, WI, USA
	Kevin Pixley, Dryland Crops Program Director (DCP), CIMMYT Kavin Marries Professor International Second and Crops in Sections Westington State
	Kevin Murphy, Professor, International Seed and Cropping Systems, Washington State University
	Nyaradzai Chisango, The Community Technology Development Trust (CTDT), Zimbabwe

Note: Conference Registration (kindly come along with your passport or picture ID for identification)

Main Conference

DAY 1, Monday, October 6, 2025

08:00 am	Conference Registration
08:30 am	Zimbabwe National Anthem (in English, Shona & Ndebele) Mosi Oa Tunya High School
08:40 am	Recognitions and Announcements Xavier Mhike, Master of Ceremony (MC)
08:45 am	Welcome Remarks Hon. Richard Moyo, Minister of State for Devolution, Matebeleland North Province
08:55 am	Welcome Address Casper N. Kamutando, Co-Host, Chair-Local Oganisting Committee & ZPBA President
09:05 am	Welcoming the Guest of Honor: Prof. Dr. Obert Jiri - Permanent Secretary, Minister of Lands, Agriculture, Fisheries, Water and Rural Development, Zimbabwe
09:10 am	Official Opening Remarks Hon. Dr. Anxious J. Masuka – Guest of Honor, Minister of Lands, Agriculture, Fisheries, Water and Rural Development, Zimbabwe
09:30 am	African Plant Breeders Association (APBA) - The APBA Story / Journey Julia Sibiya, APBA President, and Vision for Adapted Crops and Soils (VACS) Capacity Development Lead, CIMMYT
09:50 am	Goodwill Message Donn Cummings, National Association of Plant Breeders, USA
09.55 am	Goodwill Message Phani Chavali, VP, Engineering & Data Science, Global Plant Breeding, Bayer, USA
10:00 am	Goodwill Message John Makoni, Chairman, Zimbabwe Seed Traders Association





10:05 am	Zimbabwe as a Safe Tourism Destination (Promoting the Zim-Bhoo National Mantra) Walter Chakuzira, Zimbabwe Tourism Authority (ZTA)
10:15 am	APBAConf2025 Conference Ribbon Cutting Hon. Dr. Anxious J. Masuka — Guest of Honor, Minister of Lands, Agriculture, Fisheries, Water and Rura Development, Zimbabwe Julia Sibiya, APBA President, and VACS Capacity Development Lead, CIMMYT
10:20 am	Cultural Dances & Poetry - Celebrating the Launch of the Conference opening and Photo Session Mosi Oa Tunya High School
10:30 am	Tea/Coffee Break
11:00 am	Keynote Address 1 Facilitator: Xavier Mhike, MC
	Winning the race against food insecurity, malnutrition and climate change – "Breeding and Deploying Transformative Mindsets" Abdou Tenkouano, Director General and CEO, The International Centre for Insect Physiology and Ecology (ICIPE), Nairobi, Kenya
11.30 am	High-Level Panel Discussion: Winning the Race against Food Insecurity, Malnutrition, and Climate Change Moderator: Xavier Mhike, MC Panellists: • Abdou Tenkouano, The International Centre for Insect Physiology and Ecology (ICIPE) • Stanford Blade, DDG-R, ICRISAT • Chiedozie Egesi, Executive Director, National Root Crops Research Institute, Nigeria • Nadine Dushimiyimana, Bayer, Head of Regulatory Science – East Africa • Claid Mujaju, Director of the Seed Services Division in the Ministry of Lands, Agriculture, Fisheries, Water and Rural Development, Ministry of Agriculture Zimbabwe • SeedCo
12.30 pm	Launch of the African Journal of Crop Improvement (AJCI) Moderator: Damaris A. Odeny, Principal Scientist - ICRISAT and Chair, Scientific Committee, APBA
	Brief overview on the rationale for the AJCI Julia Sibiya, APBA President, and VACS Capacity Development Lead, CIMMYT
	Play Pre recorded Video - on the landing page and design of the AJCI to unveil the Logo, Advisory, Associate Editors and Editorial team.
	Call to Action Damaris A. Odeny, Principal Scientist - ICRISAT and Chair, Science and Publications Committee, APBA
01:00 pm	Lunch Break
02.00 pm	Keynote Address 1I Facilitator: Pangirayi B. Tongoona, Plant Breeding Consultant
	Plant breeding programs in the genomic selection era





02.30 pm Session 1 Auditorium (Kalala)	Advances in Genetic Innovation and Technology Chair: Dorcus Gemenet, Breeding Simulation Specialist, CIMMYT
	Pangenome development in yam: unveiling genetic variation for breeding innovation Paterne A. Agre, International Institute of Tropical Agriculture, IITA, Ibadan, Oyo Nigeria
	Identification of genomic regions and candidate genes for resistance to anthracnose in the Andean diversity panel Mwiinga Mulube, University of Zambia
	Genome wide association studies reveal novel loci for resistance to groundnut rosette disease in the Groundnut Improvement Network for Africa (GINA) core collection Esther Achola, Department of Agricultural Production, Makerere University, Uganda
	Leveraging historical data for estimating genetic gain and implementing genomic selection in a student-led barley breeding program Réka Howard, University of Nebraska - Lincoln, USA
	From genome to field: unraveling virulence and drug-resistance mechanisms in Xanthomonas oryzae to enhance management practices Henry Njoku - University of Ibadan, Nigeria
	Exploiting Genetic Background in Cassava Nested Association Mapping Population Omotola Dorcas Olaoye, West Africa Centre for Crop Improvement, University of Ghana, Ghana
Session 2 Kalundu Room	Breeding For Enhanced Climate Resilience Chair: Dean Muungani, Product Manager for Grain Crops at IITA
	Marker-Assisted Breeding for Multiple Disease Resistance in Snap Beans in Kenya: Achievements, Challenges and Opportunities Edith Esther Arunga, Department of Water and Agricultural Resource Management, University of Embu, Kenya
	Genome-Wide Association Study of Plant Architectural Traits in a Mini-core Collection of Cowpea Under Terminal Drought Stress Kuwabo Kuwabo, Department of Plant Science, University of Zambia, Zambia
	Deployment of Striga resistant testers to study the combining ability of maize inbred lines containing temperate germplasm Wende Mengesha, IITA, Nigeria
	Comprehensive Trait Profiling of Cassava Germplasm in the DR Congo: Integrating Agronomic and SNP Marker Analysis Mouritala Sikirou, IITA, Kinshasa, Congo
	Enhancing genetic gain for climate resilience and nutritional traits in pearl millet Shashi Kumar Gupta, ICRISAT, India
	. Assessment of climate change impact and potential adaptation measures on barley growth and yield using the DSSAT model in Limpopo and Northern Cape Provinces





	Koketso S. Madimabe, Agricultural Research Council-Vegetables, Industrial and Medicinal Plant, South Africa
VACS Event Gwayi Room	Opportunity and underutilized crops research Moderator: Javier Betran, VACS Breeding
	Introduction to the session Javier Betran, VACS Breeding
	Breeding: From Vision to Variety: Breeding Crops for Tomorrow's Soils and Markets Mark Nas, Dryland Crops Program (DCP), CIMMYT
	Market intelligence Agnes Mbugua, Sustainable Agrifood Systems (SAS), CIMMYT
	Seed Systems: Beyond Staples: Seeds of Opportunity for Agrifood Diversification Chris Ojiewo, Inclusive Delivery lead of CGIAR, Breeding for Tomorrow
	Panel Discussion, Q&A and conclusion
	Panelist: Kevin Pixley, Dryland Crops Program Director (DCP), CIMMYT Carlos Astride Houdegbe, African Vegitable Program Lead, University of Abomey-Calavi, Benin Hapson Mushoriwa, Head of Breeding, IITA Esnart Yohane, Legume breeder, Chitedze Agricultural Research Station Dorcas Ibitoye, Director of Research, National Horticultural Research Institute, Ibadan, Nigeria
	Flashpoints of Impact Moderator: Happy Daudi, VACS Breeding
	Introduction to the session Happy Daudi, VACS Breeding
	Lightning round: crop success stories
	 Alfred Ozimati - Amaranth Vish Banda/Thiago Mendes - Taro Dean Muungani – Bambara groundnut Nalule Habibah - Amaranth Micheale Yifter Weldemicheal - Sesame
	Q&A and conclusion Facilitator: Happy Daudi, VACS Breeding
Session 3 Matetsi Room	Seed systems, germplasm conservation and enhancement Chair: Chiamaka Obasi, WACCI, Ghana
	African Vegetable Biodiversity Rescue Plan 2025-2035: Collecting, conserving and using vegetable genetic resources for improved health, income and climate resilience Sognigbe N'Danikou, Plant genetic Resources Management Working Group (PGRM-WG), African Seed and Biotechnology Platform, African Union Commission





	Harnessing the Genetic Potential of Tropically Adapted Early-Maturing Maize Inbred Lines for Hybrid Breeding Adejumobi Idris, IITA, Nigeria
	Building cowpea genetic resources to improve food security and climate resilience in post-civil war Somalia Ahmed O. Warsame, University of Cambridge, Cambridge, UK
	Development of Pigeonpea (Cajanus cajan) Guidelines for DUS evaluation in Zimbabwe through morphological characterization Semantha Nyagura, Ministry of Lands, Agriculture, Fisheries, Water and Rural Development, Zimbabwe
	Integrating Genetic Diversity into Potato Breeding Pipelines for Climate Change Resilience of Farming Communities Thiago Mendes, CIP, Peru
	Is hybrid wheat a game changer for Africa? Richard Trethowan, The Plant Breeding Institute, University of Sydney, Australia
Session 4 Kazuma Room	Breeding for nutrition quality in agrifood systems Chair: Mawulawoe Awity, WACCI, Ghana
	Determining the Linkage between Eba's Instrumental and Sensory descriptive profiles and their correlation with Consumer Preferences: Implications for Varietal Adoption in Cassava Breeding Michael. Adesokan, IITA, Nigeria Seed coat thickness determines cooking time and physicochemical properties in Bambara groundnut (Vigna subterranea): Evidence from recombinant inbred lines Takudzwa Mandizvo, Centre for Transformative Agricultural and Food Systems, School of Agricultural, Earth and Environmental Sciences, University of KwaZulu-Natal, South Africa
	Genomic prediction of grain yield and agronomic traits in maize under optimal and stress conditions Zeleke Keimeso, Ethiopian Institute of Agricultural Research (EIAR), Ambo Agricultural Research Center, Ethiopia
	Leveraging on the use of NIRS in the selection efficiency of high forage quality in Brachiaria species in Uganda Allen Molly, National Livestock Resources Research Institute, Uganda
	Accelerating Genetic Gain in Groundnut Breeding Program at ICRISAT by Harnessing Novel Phenotyping Tools Tullu Tadessa Asefa, ICRISAT, India
	Confirming bioavailability of iron in biofortified and non-biofortified East African common bean germplasm and assessing the association of this trait with key nutritional and post-harvest traits Amongi Winnyfred, Department of Crop Science and Horticulture, Makerere University, Uganda
04.00 pm	Tea/Coffee Break
Parallel Session II	
	Advances in Genetic Innovation and Technology







	Chair: Claire Mukankusi, Alliance of Bioversity and CIAT, Uganda
Session 5 Auditorium (Kalala)	Decision-driven approach to Genotype x Environment analysis Paul Gibson, MARCCI, Uganda
	Genetic Mapping and Identification of Quantitative Trait Loci (QTLs) for Aphid Resistance in Cowpea (Vigna unguiculata L. Walp) Aliyu Aminu, Department of Botany, Faculty of Life Sciences, Ahmadu Bello University, Zaria, Nigeria
	Spatial Distribution and Characterization of Alternaria solani Causing Tomato Early Blight Disease in Uganda Catherine Kaku, College of Agriculture and Environmental Sciences, Makerere University, Uganda
	Accelerated development and deployment of heat tolerant wheat varieties to enhance food security in Africa Degu, Wuletaw Tadesse, International Center for Agricultural Research in the Dry Areas (ICARDA), Rabat, Morocco
	Current Advances in yam breeding Asrat Asfaw, IITA, Nigeria
	Adapting to Climate Change through Innovation: Genetic Diversity Study on Elite Interspecific Cotton Hybrids in Zimbabwe Marco Mare, Cotton Research Institute, Kadoma, Zimbabwe
NAPB Event Kalundu Room	NAPB-APBA International Borlaug Scholars Networking Event (Closed Meeting) Moderator: Donn Cummings, NAPB, USA
	Opening Remarks - Julia Sibiya, APBA President
	. Remarks from LOC Chair, - Casper Kamutando, ZPBA President
	. NAPB Origin & Don Jones, NAPB Treasurer
	NAPB Borlaug Scholars in America - Allen Van Deynze, NAPB Past President
	NAPB-APBA International Borlaug Scholars - Donn Cummings, Co-Lead
	Certificate Presentations - Julia Sibiya, APBA President & Klaus Koehler, Co-Lead
	NAPB Conference, Texas A&M, June 2025 - Klaus Koehler, Co-Lead
	Mentee Expense reporting expectations 2025 – Lucia Akumpule, APBA Secretariat Manager
	. Mentee-Mentor Networking Time





	Closing Remarks - Julia Sibiya, APBA President
VACS Event Gwayi Room	Opportunity and underutilized crops research Moderator: Dennis Tippe
	Introduction to the session Dennis Tippe
	Fireside Chat: Funders and VACS scholars VACS Fellows Tinashe Chatara - PhD Scholar (Crop - Bambara groundnut) Mary Omoboluwape Adesina - PhD Scholar (crop - Taro) Funders Claudia Canales Holzeis, Chief Executive, Kirkhouse Trust Rufaro Madakadze, Lead, Capacity Building and technical Support, Alliance for a Green Revolution in Africa (AGRA)
	Q&A and conclusion Facilitator: Dennis Tippe
MaRCCI Event Matetsi room	Integrating Data Science And Al-Driven Image Analysis For Genetic Innovation In African Plant Breeding Facilitators: Richard Edema, Stephen O. Opiyo, and Rogério M. Chiulele
Session 6 Kazuma Room	Artificial intelligence and precision phenotyping Chair: Enoch Maereka, ACCI, South Africa From Manual to Digital: Artemis as a Low-Cost Al Tool for Field Phenotyping and Breeding Decisions Woltering, Lennart., Alliance of Bioversity International and CIAT, Arusha, Tanzania
	Thermal Imaging-Based Assessment of Waterlogging Stress in Cowpea (Vigna unguiculata) Accessions Akintunde Adewole, Institute of Agricultural Research and Training, Nigeria
	A Flow Cytometer-Based Assessment of the Ploidy Levels of Okra (Abelmoschus esculentus L. Moench) Jacinta A. Opoku, Council for Scientific and Industrial Research – Crops Research Institute (CSIR-CRI), Kumasi, Ghana
	Drone methods and educational resources for plant science and agriculture Travis Parker, University of California, Davis, USA
	Al for Scaling Rural Data Collection: an Application in Participatory Plant Breeding Violet Lasdun, The London School of Economics and Alliance of Bioversity and CIAT
	Phenomic selection of okra under drought stress using unmanned aerial vehicle N. J. Quenum Zountounnou, Department of Horticulture, University of Eswatini, Eswatini
05.30 pm	Poster Session/Side meetings/Networking
06.30 pm	Buses leaves to the dinner venue
07.00 pm	Conference Dinner & Awards Ceremony at the BOMA





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Welcome and Introduction of the President for Opening remarks
MC: Dean Muungani, General Secetary, APBA

Opening Remarks by President
Julia Sibiya, APBA President

Awards Presentation
Julia Sibiya, APBA President

Closing Remarks by the Co-host
Casper N. Kamutando, Local Oganisting Committee, Co-Host & ZPBA President

DAY 2 Tuesday , October 7, 2025

08:30 am	Keynote Address III Facilitator: Ranjana Bhattacharjee, <i>IITA</i> , <i>Nigeria</i>
	Talk Title: Progress in Developing an Integrated and Sustainable Pathway for Breeding and Seed System Operations in Africa Mercy Diebiru-Ojo, IITA, Nigeria
09:00 am	Panel Discussion: Making Agrifood Systems Sustainable in Africa Moderator: Ranjana Bhattacharjee, IITA, Nigeria Panellists: Mercy Diebiru-Ojo, IITA, Nigeria Sieg Snapp, Program Director, Sustainable Agrifood Systems Program (SAS), CIMMYT Mercy Lungaho, Lead - Food Security, Nutrition, & Health Program · International Institute of Tropical Agriculture (IITA) Jean Claude Rubyogo, Director of the Pan-Africa Bean Research Alliance (PABRA) and the Global Bean Program Leader at the Alliance of Bioversity International and CIAT Donn Cummings, Founding member of the NAPBlau
10:00 am	Tea/Coffee break
10.30 am	Keynote Address IV: What Will Climate-Resilient Agriculture Look Like, and How Will You Breed for It? Facilitator: Casper Kamutando, ZPBA, Zimbabwe Kevin Pixley, Dryland Crops Program Director (DCP), CIMMYT
Parallel Session	ns III
11.00 am Session 7	Opportunity and underutilized crops research Chair: Erica Prince, Bayer, South Africa
Auditorium (Kalala)	Understanding the genetic and physiological traits that make Bambara groundnut resilient to the root-parasitic-plants, Alectra and Striga Presidor Kendabie, Department of Biology, University of Virginia, USA
	Grain Protein and Mineral Content of Selected Cowpea Genotypes grown in rainfed dryland farming system in South Africa





	Abe Shegro Gerrano, Agricultural Research Council-Vegetable, Industrial and Medicinal Plants, Pretoria, South Africa
	Hidden Treasures of Indian Agriculture: Opportunity in underutilized crop research Satish Kumar Yadav, ICAR-National Bureau of Plant Genetic Resources, New Delhi, India
	Analysis of genetic diversity in cowpea [vigna unguiculata (I.) walp] genotypes using Single Nucleotide Polymorphism markers Mbali Thembi Gumede, School of Agricultural, Earth and Environmental Sciences, College of Agriculture, Engineering and Sciences, University of KwaZulu-Natal, South Africa
	Evaluation of advanced grain sorghum lines for yield, food and related traits Nemera Shargie, ARC - South Africa
	Genetics of flower bud thrips (Megalurothrips sjostedti Trybom, Thysanoptera: Thripidae) resistance in cowpea Isaac Onziga Dramadri, Department of Crop Science and Horticulture, College of Agricultural and Environmental Sciences (CAES), Makerere University, Uganda
AGRA Event Kalundu Room	Fast tracking the release and commercialization of climate smart and nutrient dense crop varieties in Africa Moderator: Tamnai Naibei-Kembe, AGRA
	Opening session and lessons from the OneCG Chair: Chris Ojiewo, Inclusive Delivery lead of CGIAR, Breeding for Tomorrow
	Welcome Remarks and Session Objectives Rufaro Madakadze, Lead, Capacity Building and technical Support, Alliance for a Green Revolution in Africa (AGRA)
	Setting the scene Evelyn Lusenaka - Director CESSA
	Bold, smart, and even crazy ideas: reimagining CG-NARES collaboration to tackle system-level challenges Kevin Pixley - CIMMYT
	Setting up breeding programs for success - knowing where to go and how to get there. Biswanath DAS, CIMMYT
	Breeding innovation redefined, smarter tools, strategies, and approaches to deliver genetic gains faster and cost-effectively Dorcas Gemenet, OneCG
ICRISAT Event Gwayi Room	Moderator: Damaris A. Odeny, ICRISAT, Nairobi, Kenya Opening Remarks
	Stanford Blade, Deputy Director General, ICRISAT
	Optimising breeding pipelines for yield, better nutrition and climate resilience in Dry beans Clare Mukankusi, Alliance Bioversity & CIAT, Uganda
	Enhancing prediction accuracy of groundnut yields in Eastern and Southern Africa James Mwololo, ICRISAT, Malawi
	Stay-Green Allele Introgression Enhances Drought Resilience in Elite West African Sorghum Lines Targeted for Dryland Adaptation Cyrill Diatta, ISRA, Senegal
	Understanding G x E x M for better yields in the drylands Sieg Snapp, Program Director, Sustainable Agrifood Systems Program (SAS), CIMMYT







	Improving productivity of pearl millet and sorghum through hybrids MacDonald Jumbo Bright & Henry Ojulong, ICRISAT, Africa
African Bioinformatics Institute Event	Genomics and Bioinformatics session Facilitator: Sumir Panji, Program Manager, Computational Biology Division, University of Cape Town
Kazuma Room	Welcome and introductions
	African Bioinformatics Institute Sumir Panji
	Genomic Prediction Christine Diepenbrock
	Using genomics to detect genes for local adaption: Exploiting Africa's massive landrace diversity Bruce Walsh
	Integrating Predictive Breeding Technologies to Accelerate Genetic Gain in Plant Breeding Programs Nelson Lubanga
	Yam Genomics and Bioinformatics: From Classical Breeding to Genomic Innovation Paterne Agre
	TBA - Vamsi Manthena
	Audience and panel discussion
Artemis Event Gwayi Room	Al-Enabled Digital Phenotyping for Breeding Teams in the Global South: An interactive session and live exhibition powered by the Artemis Project - on-station phenotyping Facilitator: Stephen Opiyo Keynote Address: The Role of Al in Food Security – Google Research
	Tackling the Phenotyping Bottleneck: Exploring challenges and innovations in high-throughput phenotyping
	Introduction to Artemis: Overview of the platform and its applications in crop research.
	Live Demonstration: Bruno and Artemis in Action – Collecting and analysing field data using smartphones and the pushcart "Bruno".
	Panel Discussion: Perspectives on Innovation in Breeding
	Hands-On Demonstration: Opportunity for participants to try out the Bruno pushcart and Ona app. Speakers and Moderators
	 Tavonga Siyavora- GoogleResearch David Guerenna- Alliance of Bioversity International and CIAT
	 Roy Odama- Alliance of Bioversity International and CIAT Mina Mjema- Alliance of Bioversity International and CIAT
	 Hana Gadjasova- Alliance of Bioversity International and CIAT Lennart Woltering- Alliance of Bioversity International and CIAT Violet Lasdun - London School of Economics
12.30 pm	Lunch Break
01.30 pm	Keynote Address V Facilitator: Ronica Mukaro, Crop Breeding Institute, Zimbabwe
	.Talk Title: Reimagining Field Testing using Precision Phenotyping and Artificial Intelligence Phani Chavali, Bayer, USA







Parallel Session III	
02.00 pm	Opportunity and underutilized crops research Chair: Williams Esuma, NARO, Uganda
Session 8 Auditorium	The China-Africa Agricultural Science and Technology Innovation Alliance (CAASTIA): Its rationale and background to implementation strategy for food and nutritional security in Africa Felix Dapare Dakora, Consultant, China-Africa Agricultural Science and Technology Innovation Alliance
	Breeding and Capacity Strengthening for Opportunity Crops Ranjana Bhattacharjee, <i>IITA</i> , <i>Nigeria</i> ,
	Assessment of Bambara Groundnut (Vigna subterranea (L.) Verdc.) Germplasm in India under the Stress-Tolerant Orphan Legumes (STOL) Initiative Kuldeep Tripathi, ICAR – National Bureau of Plant Genetic Resources, New Delhi
	Genomic Insights for Climate-Resilient Breeding through Landscape Genomics: A Case Study of Eggplant Wild Relatives Emmanuel Omondi, Genetic Resources and Seed Unit, World Vegetable Center, Tainan, Taiwan
	Capacity building in mechanization for improved data quality - a case study in Modern Breeding Project with IITA Jamlick Mwathi, Bayer, East Africa
	Connecting the Dots: An Integrated Path to More Efficient Banana Breeding Brigitte Uwimana, IITA – Uganda, Uganda
AGRA Event Kalundu Room	Fast tracking the release and commercialization of climate smart and nutrient dense crop varieties in Africa Facilitator: Bruce Mutari, AGRA
	Accelerating the release, EGS production and commercialization of nutrient dense, climate-resilient and market-demanded sorghum, cowpea and rice varieties in Burkina Faso (NutriCropFaso) Nofou Ouedraogo -Sorghum Breeder, INERA, Burkina Faso
	Rapid Release and Commercialization of Climate-smart Sorghum varieties in Kenya Rachael Kisilu, Sorghum Breeder, KALRO
	Multi-environment evaluation and release of resilient and climate smart maize hybrids for farmers in Burundi Ir NDIKUMANA Jonas, Maize Breeder, ISABU, Burundi
	Advancing Climate-Resilient Cowpea: Evaluation, Release, Early Generation Seed Production, and Commercialization of New Varieties in Zambia Lutangu Makweti, Cowpea Breeder, ZARI,Zambia
	Evaluation, Release, and Commercialization of improved climate-resilient varieties of irrigated lowland and rainfed upland rice in Côte d'Ivoire NOUMOUHA Ghislain, Rice Breeder, CNRA, Côte d'Ivoire
	Seed Company choices of varieties to commercialize Gordon Mabuyaye, Seed Co
	Creating Farmer Awareness and Demand for climate smart and nutrient dense crop varieties Rufaro Madakadze - AGRA
	National Regulatory Authority on requirements for commercialization and quality control Claid Mujaju- Director Research and Specialist Services, Zimbabwe
	Concluding Remarks Peter Mbogo – AGRA Regional Seed Officer East Na Southern Africa
ICRISAT Event	Moderator: Shashi Kumar Gupta, ICRISAT, India





Gwayi Room	Harnessing atmospheric nitrogen to improve yields of finger millet and sorghum Emily Gichuhi, KALRO, Kenya
	Standardizing nutrition analysis for dryland crops for impactful breeding decisions Sunita Choudhary, ICRISAT, India
	Exploiting phenotypic variation for better yields in pigeonpea Esnart Nyirenda, DARS, Malawi
	Strengthening Seed Certification Using Molecular Markers: Insights from Groundnut (Arachis hypogaea L.) Manzoor H Dar, ICRISAT, India
	The Kirkhouse Trust and dryland legumes funding opportunities Claudia Canales, Kirkhouse Trust, UK
	General Discussion and closing
MaRCCI Event Matetsi room	Integrating Data Science And Ai-Driven Image Analysis For Genetic Innovation In African Plant Breeding
	Facilitators: Richard Edema Stephen O. Opiyo Rogério M. Chiulele
Artemis Event Kazuma Room	Al-Enabled Digital Phenotyping for Breeding Teams in the Global South: An interactive session and live exhibition powered by the Artemis Project On-Farm Phenotyping Facilitator: Stephen Opiyo
	Engaging farmers through the Tricot approach
	Experiences of on-farm phenotyping with Artemis
	Introduction of Ndizi: a language model for documentation and interpretation tasks
	Panel Discussion: Future Directions for Farmer-Centred AI in Breeding
	Speakers and Moderators Tavonga Siyavora- GoogleResearch
	 David Guerenna- Alliance of Bioversity International and CIAT Roy Odama- Alliance of Bioversity International and CIAT
	Mina Mjema- Alliance of Bioversity International and CIAT
	 Hana Gadjasova- Alliance of Bioversity International and CIAT Lennart Woltering- Alliance of Bioversity International and CIAT Violet Lasdun - London School of Economics
03.30 pm	Tea Break
04.00 pm	Keynote Speaker V: Reimagining Capacity Building and Education in Crop Improvement in Africa Facilitator: Julia Sibiya, President, APBA Eric Y. Danquah, WACCI, University of Ghana Accra
04.30 pm	Panel Discussion: Capacity Building and education in crop improvement Moderator: Julia Sibiya, APBA President and Vision for Adapted Crops and Soils (VACS) Capacity Development Lead, CIMMYT Panellists:
	 Klaus Koehler, Advancing Professional Growth and Industry Excellence, Corteva Agriscience & NAPB
	 Rufaro Madakadze, Lead, Capacity Building and technical Support, Alliance for a Green Revolution in Africa (AGRA) Mawulawoe Awity, Senior Plant Breeding Researcher, WACCI





	 Allen Van Deynze, Director of the Seed Biotechnology Center and Associate Director of the Plant Breeding Center at University of California Eric Danquah, Founding Director of the West Africa Centre for Crop Improvement (WACCI) at the University of Ghana. John Derera, Senior Director, Plant breeding & Pre-breeding Collaborative Breeding Leadership Program (CBLP), IITA.
05.30 pm-06:00 pm	Awards Ceremony
06.30 pm-08:00 pm	CBLP graduation ceremony

DAY 3 Wednesday, October 8, 2025

08:30 am	Keynote Address VI: An introduction to the Novo Nordisk Foundation – a new actor in sub-Saharan Africa Facilitator: Damaris A. Odeny ,
	Erik Alexandersson, Novo Nordisk Foundation, Denmark
09:00 am	Panel Discussion: Innovative fundraising for crop improvement Moderator: Damaris A. Odeny, Principal Scientist - ICRISAT and Chair, Scientific Committee, APBA Panelists:
10:00 am	Tea/Coffee break/poster Session
10.30 am	Keynote Address VII: Developing and Delivering Impactful Crop Varieties to Address the Challenges of Food Insecurity, Malnutrition, and Poverty Facilitator: Mr Edmore Mtetwa, Head, Seed Services, Zimbabwe Chris Ojiewo, Inclusive Delivery lead of CGIAR, Breeding for Tomorrow
11.00 am	Breeding for enhanced climate resilience Chair: Cosmos Magorokosho, CEO, Agricultural Research Council, Zimbabwe
Session 9 Auditorium (Kalala)	Screening drought tolerant maize hybrids under heat and combined drought and heat stress for climate adaptation in Sub-Saharan Africa Silvestro Meseka, <i>IITA</i> , <i>Nigeria</i>
	Assessment of Waterlogging Tolerance in Diverse Cowpea Genotypes Under Simulated Flood Conditions Dada Adenike O, Institute of Agricultural Research and Training, OAU, Ibadan, Nigeria
	Optimizing chili pepper breeding for climate change: Integrated genomic approaches for heat-tolerant, high-quality breeding lines D.W. Barchenger, World Vegetable Center, Tainan, Taiwan
	Yield evaluation of Tongil Rice lines in Ghana Kirpal Agyemang Ofosu, Council for Scientific and Industrial Research-Crops Research Institute of Ghana





	Evaluation of Common bean (Phaseolus vulgaris L.) genotypes in multi-environment trial using linear mixed model-based approaches using spatial model Firew Abel Moges, Melkassa Agricultural Research Center, EIAR, Adama, Ethiopia
	Accelerating the Development of Climate-Resilient, Low-Chalkiness Rice through Genomic-Assisted Selection and Phenotypic Modeling in African Agroecosystems Adjibogoun O.A. Rodrigue, West African Centre for Crop Improvement, College of College of Basic and Applied Sciences, University of Ghana, Ghana.
	Characterization of sweetpotato genotypes using agronomic and nutritional traits Nomusa Chizhande, School of Agricultural, Earth and Environmental Sciences, University of KwaZulu-Natal, South Africa
	Genomics-assisted breeding for improved grain yield and mold resistance in sorghum (Sorghum bicolor) Djidjoho A.T., Centre d'Étude Régional pour l'Amélioration de l'Adaptation à la Sécheresse, Institut
VACS Event Kalundu Room	Choosing the right tool in the toolbox: applications of genomic breeding methods in variety development Facilitator: Greg Vogel, Comell University
	Exploration of genomic applications Facilitator: Jack Fabrizio, Cornell University
	Advances in plant germplasm management Facilitator: Steve Kresovich, Cornell University
Kirkhouse Trust Event Gwayi Room	Strengthening Partnerships for Resilient Legumes: Advancing Science, Sharing Tools, and Building Communities for Climate-Smart Agriculture Facilitator: Claudia Canales Speakers: • Kelwin Kamfwa, University of Zambia, Zambia • Yayis Rezene, Southern Agricultural Research Institute (SARI), Ethiopia • Celestina Jochua, Instituto de Investigação Agrária de Moçambique, Mozambique • Travis Parker, University of California, Davis, USA • Juan Osorno, North Dakota State University, USA • Swiwia Hamabwe, University of Zambia, Zambia • María Muñoz-Amatriaín, University of León, Spain • Sobda Gonné, Institut de Recherche Agricole pour le Développement (IRAD), Maroua, Cameroon • Michael Timko, University of Virginia, USA • Sean Mayes, University of Nottingham, UK • Florence Ifeoma Akaneme, University of Nigeria, Nigeria
IITA Event Matetsi Room	Breeding for Tomorrow (B4T) and Better Diets for Nutrition (BDN) Linkage Facilitator: Mercy Lung'aho (IITA) Opening remarks - Mercy Lung'aho (IITA)
	Finger Millet for Hidden Hunger Henry Ojulong, (ICRISAT) Eric Manyasa, (formerly ICRISAT) Patrick Sheunda, (Kenya Seed Company Ltd) Daniel Ajaku, (University of Queensland)
	Zinc-Rich Rice: Unlocking Natural Genetic Variation Talent Mabambe, Alex Douglas, Gareth Norton (University of Aberdeen)
	Sorghum Biofortification with Iron and Zinc Rae McDowell, (Colorado State University) Davina Rhodes, (Colorado State University) Geoffrey Morris, (Colorado State University)
	Provitamin A Sorghum: From Genes to Traits Linly Banda, (Colorado State University)





	Clara Cruet-Burgos, (Colorado State University) Rae McDowell, (Colorado State University) Yazachew Genet, (Colorado State University) David Zapata, (Colorado State University) Baloua Nebie, (CIMMYT, Kenya), Jacques M. Faye, (Institut Sénégalais de Recherches Agricoles) Cyril Diatta, (Institut Sénégalais de Recherches Agricoles) Geoffrey P. Morris, (Colorado State University) Davina H. Rhodes, (Colorado State University) Keynote address: Working at the Interface of Agriculture and Nutrition: Opportunities and Strategies to Alleviate Iron Deficiency Raymond Glahn, Cornell University, USDA-ARS Interactive session with audience on advancing biofortification efforts in African breeding programs Closing remarks Hapson Mushoriwa, IITA
1000 Farms Event Matetsi Room	On-farm Validation Testing in CGIAR-NARES breeding networks Facilitator: Jacob van Etten & Kauê de Sousa
	Keynote: Overview of on-farm testing and tricot Jacob van Etten & Kauê de Sousa (Alliance Bioversity & ElAT)
	Multi-trial analysis of on-farm variety ranking data Joost van Heerwaarden, <i>WUR</i>
	Breeding for social impact: mapping cassava trait preferences through citizen science and socioeconomic analysis Béla Teeken, IITA
	Building horizontal networks of trust: research into the motivations of crop users to join tricot as on-farm researchers Anna Muller, Alliance Bioversity & CIAT
	General Discussion
01:00 pm	Lunch Break/Poster Session
02:00 pm	Business Meeting
	Opening and Welcome Julia Sibiya, Outgoing President, APBA
	APBA Biannual Report: A Two-Year Review
	Dean Muungani, General Secretary, APBA
	Financial Report Agyemang Danquah, Treasurer, APBA
	Open Discussion on the reports Dean Muungani, General Secretary, APBA
	Poster Session Awards Damaris A. Odeny, Chair, Scientific Committee
	Election of APBA Executive Committee Members Rufaro Madakadze, Returning Officer, APBA
	Showcase New Electives Rufaro Madakadze, Returning Officer, APBA







	Statement from the President Elect President Elect, APBA
	Closing Remarks Julia Sibiya, Outgoing President, APBA
	Announcement of Venue for APBAConf2027 Julia Sibiya, Outgoing President, APBA
04:00 pm	Closing Session Pangirayi B. Tongoona, Honorary Member, ZPBA & Member, LOC
04.30 pm	Tea/Coffee break

Post-conference Workshop (Participation by invitation only) October 9-10, 2025 at the Shrub Lodge, Victoria Falls, Zimbabwe

Day 1, Oct 9, 2025

00.20 00.00	Walance 9 later dustings Over investigation and alternative an auticipant introductions
08:30 am - 09:00 am	Welcome & Introductions: Overview of objectives, participant introductions.
09:00 am-09:30 am	Lecture 1:Experimental design, remedies for faulty trials.
09:30 am-10:40 am	Group Work: Defining objectives; dataset setup, QC
10:40 am -11:00 am	Coffee Break
11:00 am -12:30 pm	Group Work: Initial analyses (e.g GWAS setup, diversity, GS model prep).
12:30 pm-01:30 pm	Lunch
01:30 am -02:00 pm	Lecture 2 : Genomic selection & prediction basics (GBLUP, Bayesian, CV)
02:00 pm-04:00 pm	Group Work: Core analyses (GWAS/QTL, diversity, GS runs).
16:00 pm-04:30 pm	Plenary Discovery Session: Tool/resource discovery for genomic analyses (databases, software, HPC/cloud).
16:30 pm-05:00 pm	Open Office Hours: Participants share resource challenges; support staff provide advice.

Day 2, Oct 10, 2025

08:30 am-09:00 am	Recap & Progress Check : Review progress and challenges in groups.
09:00 am-09:30 am	Lecture 3: Comparative genomics & transcriptomics basics.
09:30 am-11:00 am	Group Work: Running deeper analyses (association tests, GS CV, pop structure).
11:00 am-11:20 am	Coffee Break
11:20 am-12:30 pm	Focused Training: Candidate gene discovery & functional annotation (esp. for high-gap crops).
12:30 pm-01:30 pm	Lunch





01:30pm-02:00 pm	Lecture 4 : Data structures & reproducible integration (geno, pheno, env).
02:10 pm-04:00 pm	Group Work : Finalize outputs, interpret results, prepare summaries, address challenges
04:00 pm-05:00 pm	Plenary Presentations: 5-minute presentations per researcher/group + whole group feedback.
05:00pm-05:30 pm	Closing: Final remarks, evaluation, and next steps.