

Kirkhouse Trust Annual Meeting 2023 Livingstone, Zambia

IMPORTANT Information regarding timing of talks

Presenters – **15 minutes** for presentation and **10 minutes** for questions (25 minutes).

To ensure that we adhere to the agenda provided, **please make sure that you keep to the time slots you have been allocated.**
There will be plenty of time during lunch breaks for further discussion.

DAY 1 Sunday, 26 th February 2023: Welcome and introductions (ABC-ACP)						
ITEM	Start Time	Duration	Presentation Title	Presenter	Institute/Organisation	Country
Session I						
	17:00		Opening of Annual Meeting with drinks	Dr Claudia Canales Holzeis (KT CE)	KT	UK
			KT Consultant	Professor Mike Timko (KT Consultant)	UVA	USA
			KT Consultant	Dr Robert Koebner (KT Consultant)	KT	UK
			KT Consultant	Dr Travis Parker (KT Consultant)	UC Davis	USA
			KT Consultant	Dr María Muñoz-Amatriaín (KT Consultant)	ULe	Spain
	18:00		Dinner			

DAY 2						
Monday, 27th February 2023: African Bean Consortium (ABC)						
ITEM	Start Time	Duration	Presentation Title	Presenter	Institute/Organisation	Country
Chair - Dr Travis Parker						
Session I						
	08:00	10 mins	Meeting Opening by the Dean	Dr Benson Chishala	UNZA	Zambia
	08:10	25 mins	ABC Opening Remarks Title to be confirmed	Dr Travis Parker (KT Consultant)	UC Davis	USA
	08:35	25 mins	Genetic improvement of common bean in Zambia for multiple diseases resistance using marker-assisted and conventional breeding	Dr Kelvin Kamfwa (KT PI)	UNZA	Zambia
	09:00	25 mins	Genetic dissection of common bacterial blight resistance in the Andean gene pool of common bean	Mr Mwiinga Mulube (KT PhD Scholar/ Agricultural Officer {ZARI})	UNZA	Zambia
	09:25	25 mins	Introgression and pyramiding into market class French beans of genes conferring resistance to multiple diseases	Dr Esther Arunga (KT PI)	UoEm	Kenya
	09:50	25 mins	Biofortification and Improvement of the Iron-to-Phytate Molar Ratio in two Yellow Common Bean (<i>Phaseolus vulgaris</i> L.) Varieties in Tanzania	Dr Mashamba Philipo (KT PI)	NM-AIST	Tanzania
COFFEE	10:15	15 mins				
Session II						
	10:30	25 mins	Leveraging system change in agricultural systems	Dr. Barry Pittendrigh/Dr. John Medendorp	USAID-IL	USA
	10:55	25 mins	Legume research in Cambridge and its implications for sustainable production	Dr Sigrid Heuer / Professor Giles Olderoyd	NIAB/Cambridge CSC	UK
	11:20	25 mins	Leveraging bean crop genetics and diversity for climate adaptation	Dr Caspar Chater	Kew	UK
	11:45	25 mins	Marker assisted pyramiding resistance genes against major disease into common bean (<i>Phaseolus vulgaris</i> L) varieties with food and market values for Ethiopia (Phase-III)	Dr Yayis Rezene (KT PI)	SARI	Ethiopia
LUNCH	12:10	90 mins				
Session III						



	13:40	25 mins	Genetic improvement of biofortified common bean varieties in Uganda for multiple disease resistances using marker assisted backcrossing	Dr Stanley Nkalubo (KT PI)	NaCRRI	Uganda
END	14:05					
KT ONLY	14:20	60 mins	NaCRRI Project Meeting	Dr Stanley Nkalubo		
COFFEE	15:20	15 mins				
Session IV						
KT ONLY	15:35	60 mins	UoEm Project Meeting	Dr Esther Arunga		
KT ONLY	16:35	60 mins	SARI Project Meeting	Dr Yayis Rezene		
KT ONLY	17:35	60 mins	NM-AIST Project Meeting	Dr Mashamba Philipo		
END	18:35					

DAY 3		Tuesday, 28th February 2023: African Bean Consortium (ABC)				
ITEM	Start Time	Duration	Presentation Title	Presenter	Institute/Organisation	Country
Chair - Dr Robert Koebner						
Session I						
	08:00	25 mins	Development of bean varieties tolerant to high temperatures in Mozambique	Dr Celestina Jochua (KT PI)	IIAM	Mozambique
	08:25	25 mins	Genetic analysis of drought tolerance in tepary bean (<i>Phaseolus acutifolius a. gray</i>) genotypes	Mr Saul Eric Mwale (PhD Student)	MZUNI/UKZN	Malawi
	08:50	25 mins	The African Center for Crop Improvement (ACCI) in 2023	Professor Hussein Shimelis (Professor of Plant Breeding)	UKZN	South Africa
	09:15	25 mins	An appropriate breeding strategy for resistance to Bean stem maggot (<i>Ophiomya sp.</i>) in common bean in Zimbabwe	Ms Shylet Tsekenedza (KT PhD Scholar)	CBI	Zimbabwe
	09:40	25 mins	Prevalence, epidemiology and management of bean SCAB (<i>Elsinoë phaseoli</i>) of common beans (<i>Phaseolus vulgaris</i>) in Kenya	Mr Yona Masheti (KT PhD Scholar)	KALRO	Kenya
COFFEE	10:05	15 mins				
Session II						



	10:20	20 mins	Genetic Improvement of Sugar Type Common Beans for Bean Scab (Elsinoë Phaseoli) Resistance Through Marker Assisted Selection	Mr Shamir Misango	KALRO	Kenya
	10:40	20 mins	Title to be confirmed	Mr Shadrack Odikara	KALRO	Kenya
	11:00	25 mins	Improving the Bean Value Chain via Breeding at the NDSU Dry Bean Program	Professor Juan Osorno	North Dakota State University	USA
	11:25	15 mins	ABC Concluding Remarks	Dr Travis Parker (ABC Consultant)	UC, Davis	USA
Session III						
	11:40	25 mins	Bambara groundnut (<i>Vigna subterranea</i> (L.) Verdc.): an overview of past, present and future research and development priorities	Professor Festo Massawe	University of Nottingham, Malaysia Campus	Malaysia
	12:05	25 mins	Exploring phenotypic divergence in Bambara groundnut (<i>Vigna subterranea</i> [L.] Verdc.) for improved agronomic performance and cooking quality traits	Professor Tafadzwanashe Mabhaudhi	UKZN and IWMI	South Africa
LUNCH	12:30	90 mins				
Session IV						
Concurrent	14:00	TBC	Bean Crossing Demonstration	UNZA team	UNZA	Zambia
KT ONLY	14:00	60 mins	IIAM Project Meeting	Dr Celestina Jochua		
KT ONLY	15:00	60 mins	KALRO Meeting	Mr Yona Masheti		
COFFEE	16:00	15 mins				
Session V						
KT ONLY	16:15	60 mins	MZUNI/UKZN PhD Meeting	Mr Saul Eric Mwale		
KT ONLY	17:15	60 mins	CBI PhD Meeting (inc. Prof. Shimelis)	Ms Shylet Tsekenedza		
END	18:15					

DAY 4						
Wednesday, 1st March 2023: African Cowpea Programme (ACP)						
ITEM	Start Time	Duration	Presentation Title	Presenter	Institute/Organisation	Country
Chair - Professor Mike Timko						
Session I						
	08:00	25 mins	ACP Opening Remarks	Professor Mike Timko (KT Consultant)	UVA	USA

	08:25	25 mins	Exploiting cowpea genetic resources to improve tolerance to high temperatures	Dr María Muñoz-Amatriaín (KT Consultant)	ULe	Spain
	08:50	25 mins	Genetic improvement of cowpea plant architecture for superior agronomic performance	Mr Kuwabo Kuwabo (KT PhD Scholar)	UNZA	Zambia
	09:15	25 mins	Introducing aphid resistance into biofortified and high yielding cowpea varieties in Zimbabwe using marker assisted selection	Professor Edmore Gasura (KT PI)	UZ	Zimbabwe
	09:40	25 mins	Phenotyping solutions for resilient legumes - case study of cowpea and tepary bean	Dr Magda Julkowska (Assistant Professor)	Boyce Thompson Institute	USA
COFFEE	10:05	15 mins				
Session II						
	10:20	25 mins	Development of resilient cowpea varieties by the application of marker-assisted breeding (MAB) for the West and Central Africa Sub-Region	Dr Sobda Gonné (KT PI)	IRAD	Cameroon
	10:45	25 mins	Pyramiding earliness, aphid and <i>Macrophomina</i> resistance in farmer preferred Striga resistant cowpea lines	Mr Patrick Attamah (KT PI)	CSIR-SARI	Ghana
	11:10	25 mins	Identification of aphid and cowpea aphid borne mosaic virus disease resistance sources for introgression into farmer preferred cowpea varieties in Malawi	Dr Michael Chipeta (KT PI)	LUANAR	Malawi
	11:35	25 mins	Mapping nutritional quality traits in pea and faba bean using genome-wide association studies.	Dr Ahmed Warsame (Post-Doctoral Researcher)	JIC	UK
LUNCH	12:00	90 mins				
Session III						



	13:30	25 mins	ZARI Cowpea Field Trials	Mr William Funsani (KT PI) and Mrs Velinda Chibomba (Cowpea Breeder)	ZARI	Zambia
	13:55	25 mins	Development of cowpea varieties for bruchid (<i>Callosobruchus maculatus</i>) resistance using marker-assisted selection	Mr Maliata Athon Wanga (Agricultural Scientific Officer)	MAWLR	Namibia
	14:20	15 mins	ACP Concluding Remarks	Dr María Muñoz-Amatriaín (KT Consultant)		
END	14:35					
Session IV						
KT ONLY	14:50	30 mins	MAWLR Project Meeting	Mr Maliata Athon Wanga		
KT ONLY	15:20	60 mins	IRAD Project Meeting	Dr Sobda Gonné		
COFFEE	16:20	15 mins				
Session V						
KT ONLY	16:35	30 mins	ZARI Project Meeting	Mr William Funsani and Mrs Velindah Chibomba		
KT ONLY	17:05	60 mins	SARI Ghana Project Meeting	Mr Patrick Attamah		
END	18:05					

DAY 5 Thursday, 2nd March 2023: African Cowpea Programme (ACP)						
ITEM	Start Time	Duration	Description	Presenter	Institute/Organisation	Country
Field Management Session						
Chair - Professor Mike Timko						
Session I						
	08:00	90 mins	Presentations	Dr Travis Parker/Professor Hussein Shimelis/Professor Juan Osorno	UC Davis/UKZN/ North Dakota State University	USA/South Africa/USA
	09:30	40 mins	Breakout Sessions (Groups)			
COFFEE	10:10	15 mins				
Session II						
	10:25	60 mins	Team Presentations and Discussions			
	11:25	35 mins	Wrap up session	Professor Mike Timko/Dr María Muñoz-Amatriaín (KT Consultants)	UVA/ULe	USA/Spain
LUNCH	12:00	90 mins				



Session III						
KT ONLY	13:30	60 mins	UZ Project Meeting	Professor Edmore Gasura		
KT ONLY	14:30	60 mins	LUANAR Project Meeting	Dr Michael Chipeta		
COFFEE	15:30	15 mins				
Session IV						
KT ONLY	15:45	60 mins	UNZA Project Meeting (ABC)	Dr Kelvin Kamfwa, Mr Mwiinga Mulube, Swivia Hamabwe		
KT ONLY	16:45	60 mins	UNZA Project Meeting (ACP)	Dr Kelvin Kamfwa, Mr Kuwabo Kuwabo		
KT ONLY	17:45	60 mins	KALRO meeting	Mr Shamir Misango/Mr Shadrack Odikara		
END	18:45					



Participating Institutions

BTI - Boyce Thompson Institute, USA.
Cambridge CSC - Crop Science Centre, UK
CBI - Crop Breeder Institute, Zimbabwe.
CIAT - International Centre for Tropical Agriculture, Malawi.
CSIR-SARI - Council for Scientific and Industrial Research - Savanna Agricultural Research Institute, Ghana.
IIAM - Instituto de Investigação Agrária de Moçambique, Moçambique.
IRAD - Institut de Recherche Agricole pour le Développement, Cameroon.
JIC - John Innes Centre, Norwich, UK.
KALRO - Kenya Agricultural and Livestock Research Organisation, Kenya.
Kew - Royal Botanic Gardens, UK.
KT - Kirkhouse Trust SCIO, UK.
LUANAR - Lilongwe University of Agriculture and Natural Resources, Malawi.
MAWLR - Ministry of Agriculture, Water and Land Reform, Namibia.
MZUNI - University of Mzuzu, Malawi.
NaCRRI - National Crops Resources Research Institute, Uganda.
NDSU - North Dakota State University, USA.
NIAB - National Institute of Agricultural Botany, UK.
NM-AIST - Nelson Mandela African Institution of Science and Technology, Tanzania.
SABRN - Southern African Bean Research Network, Malawi.
SARI - Southern Agricultural Research Institute, Ethiopia.
UC - University of Cambridge, UK.
UC Davis - University of California, Davis, USA.
UKZN - University of KwaZulu-Natal, South Africa.
ULe - Universidad de León, Spain.
UMNC - University of Nottingham, Malaysia Campus, Malaysia.
UNZA - University of Zambia, Zambia.
UoEm - University of Embu, Kenya.
USAID-IL - United States Agency for International Development, USA
UVA - University of Virginia, USA.
UZ - University of Zimbabwe, Zimbabwe.
ZARI - Zambia Agriculture Research Institute, Zambia.