



## Fourth Regional Universities Forum for Capacity Building in Agriculture Biennial Conference

CONFERENCE THEME

African Higher Education Week: Transforming Tertiary Agricultural Education – a Platform for the Way Forward  
19-25 July, 2014, Hotel Grand VIP, Maputo, Mozambique

### OVERVIEW OF CONFERENCE PROGRAMME

Fourth Biennial Conference and African Higher Education Week

DAY	SCHEDULE OF SESSIONS AND EVENTS						
	MORNING SESSIONS AND SIDE EVENTS	BREAK	MID-MORNING SESSIONS AND SIDE EVENTS	LUNCH	AFTERNOON SESSIONS AND SIDE EVENTS	AFTERNOON BREAK	EVENING SESSIONS AND EVENTS
<b>SATURDAY</b> 19 July 2014	CTA-WUR-RUFORUM Food & Nutrition Security Deans' Workshop  HALL: LINCUNGO  EDULINK II Planning Meetings (2)  HALL: MAPUTO-ADECEA HALL: SAVE-Online Platform	<b>1000-1030</b>	CTA-WUR-RUFORUM Food & Nutrition Security Deans' Workshop  HALL: LINCUNGO  EDULINK II Planning Meetings (2)  HALL: MAPUTO-ADECEA HALL: SAVE-Online Platform	<b>1300-1400</b>	CTA-WUR-RUFORUM Food & Nutrition Security Deans' Workshop  HALL: LINCUNGO  EDULINK II Planning Meetings (2)  HALL: MAPUTO-ADECEA HALL: SAVE-Online Platform	<b>1645-1730</b>	<b>OPEN SPACE</b>
	Social Media Reporters Training HALL: INCOMATI		Social Media Reporters Training HALL: INCOMATI		Social Media Reporters Training HALL: INCOMATI		
<b>SUNDAY</b> 20 July 2014	CTA-WUR-RUFORUM Food & Nutrition Security Deans' Workshop  HALL: LINCUNGO  EDULINK II Planning Meetings (2)  HALL: MAPUTO-ADECEA HALL: SAVE-Online Platform	1000-1030	CTA-WUR-RUFORUM Food & Nutrition Security Deans' Workshop  HALL: LINCUNGO  EDULINK II Planning Meetings (2)  HALL: MAPUTO-ADECEA HALL: SAVE-Online Platform	<b>1300-1400</b>	RUFORUM Deans' Committee Meeting  HALL: LINCUNGO  RUFORUM IAP Meeting HALL: LIMPOMPO  EDULINK II Planning Meetings (2) HALL: MAPUTO-ADECEA HALL: SAVE-Online Platform	<b>1630-1700</b>	<b>OPEN SPACE</b>
	Social Media Reporters Training HALL: INCOMATI		Social Media Reporters Training HALL: INCOMATI		Social Media Reporters Training HALL: INCOMATI		
<b>MONDAY</b> 21 July 2014	Opening Ceremony <b>(RUFORUM@10)</b>  HALL: PUNGUE	<b>0940-1040</b>	Genesis & Chronicles of RUFORUM  HALL: PUNGUE	<b>1330-1430</b>	Horizon Searching: RUFORUM in the Next 10 Years  HALL: PUNGUE  RUFORUM@10: Viewing of Posters & Exhibitions	<b>1630-1645</b>	<b>RECEPTION for Delegates</b>  <b>Host: Eduardo Mondlane University</b>
	Viewing of Posters and Exhibitions		Viewing of Posters and Exhibitions		Viewing of Posters and Exhibitions		
<b>TUESDAY</b>	Harnessing high end science for agricultural	<b>0945-1030</b>	Doctoral Training in Africa: The way forward	1300-1400	Doctoral Training in Africa: The way	<b>1600-1630</b>	<b>UEM Meeting with Vice</b>

22 July 2014	development in Africa				forward RUFORUM Board Meeting @ UEM		<b>Chancellors and IAP</b> Host: Eduardo Mondlane University
			Scientific conference: Seven parallel sessions		Scientific conference: Seven parallel sessions		
			Other Side Events		Other Side Events		
<b>WEDNESDAY</b> 23 July 2014	Integration of Higher Agricultural Education into CAADP & National Development Plans	<b>1030-1100</b>	Integration of Higher Agricultural Education into CAADP & National Development Plans	<b>1330-1430</b>	RUFORUM Annual General Meeting (AGM)	1600-1630	RUFORUM Board Meeting with Key Partners
					Graduate Students & Alumni Meeting		
<b>THURSDAY</b> 24 July 2014	Resilience and Sustainable Intensification	<b>0950-1020</b>	Scientific Conference: Three Parallel Sessions and four side events Regional collaboration and Agricultural Science Partnership – CCARDESA / ASARECA Deans' Meetings	<b>1300-1400</b>	Scientific Conference: Three Parallel Sessions and four side events	<b>1500-1530</b>	<b>OPEN SPACE</b>
<b>FRIDAY</b> 25 July 2014	Moving forward the Higher Agricultural Education Agenda	<b>0930-1000</b>	Scientific Conference: Four Parallel Sessions and two side events	<b>1245-1400</b>	Feedback-Session summaries Prize Awards and Closing Session		<b>RECEPTION</b> Host: RUFORUM Sec

## CONFERENCE PROGRAMME

<b>MONDAY 21<sup>st</sup> JULY, 2014</b>	
<b>SESSION 1: OPENING CEREMONY (RUFORUM@10)</b>	
<b>Session Chair: Prof. Inacio Maposse , Director General IIAM</b>	<b>HALL: PUNGUE</b>
<b>Lead Rapporteurs: Prof. Luisa Santos, Eduardo Mondlane Univesity and Dr. Paul Nampala, RUFORUM Secretariat</b>	
<b>Welcome and Opening Remarks</b>	
<b>0830 - 0835</b>	Welcome: Prof. Orlando Quilambo, Rector- Eduardo Mondlane University
<b>0835 - 0840</b>	Prof. Adipala Ekwamu, Executive Secretary, RUFORUM
<b>0840 - 0845</b>	Prof. Levi Nyagura, RUFORUM Board Chair
<b>0845 - 0855</b>	Dr. Yemi Akinbamiyo, FARA Executive Director
<b>0855 - 0920</b>	H.E. Dr. Nkosazana Dlamini Zuma, Chairperson of the African Union Commission
<b>0920 - 0930</b>	Hon. Augusto Jone Luis, Minister of Education Mozambique
<b>0930 - 0950</b>	Opening address by the Rt. Hon. Prime Minister of Republic of Mozambique, Alberto Vaquina
<b>0950 - 1040</b>	<b>GROUP PHOTOGRAPH AND HEALTH BREAK</b>
<b>SESSION 2: Toward Transformation of Agricultural Higher Education Institutions; Responding to Real Demand</b>	
<b>Session Moderator: Ms Judith Francis, Technical Centre for Agricultural and Rural Cooperation</b>	<b>HALL: PUNGUE</b>
<b>Rapporteur: Mr. Emmanuel Afutu</b>	
<b>1045 – 1055</b>	Overview of the Programme by Ms. Nodumo Dhlamini, Program Manager ICT – RUFORUM
<b>1055 – 1115</b>	Keynote Address by Mrs. Graca Machel, Member, International Panel of Elders and Former Minister of Education, Mozambique
<b>1115 – 1125</b>	Discussion
<b>1125 - 1145</b>	Address by Hon. Dr. Akinwumi Adesina, Minister of Agriculture & Rural Development, Federal Republic of Nigeria
<b>1145 - 1155</b>	Discussion
<b>SESSION 3: GENESIS &amp; CHRONICLES OF RUFORUM: PLENARY DISCUSSION</b>	
<b>Session Chair: Prof. Rukudzo Murapa, International Advisory Panel, RUFORUM</b>	<b>HALL: PUNGUE</b>
<b>Rapporteur: Dr. Agnes Mwangwela, Dean Food &amp; Human Nutrition, LUANAR</b>	
<b>1200 – 1300</b>	Genesis of RUFORUM: Dr. Joyce Mook
	The transition to an African led and university owned network: Prof. Adipala Ekwamu, RUFORUM Secretariat
	Development and impact of demand led postgraduate training programs: Dr. Richard Edema, Makerere University
	Strengthening university-community engagement: Prof. Emmanuel Kaunda, Lilongwe University of Agriculture and Natural Resources
	Building research capacity- case of Burundi: Ms. Micheline Inamahoro, ISABU Scientist and PhD Student Stellenbosch University
	Discussion
<b>1300 – 1330</b>	Viewing of RUFORUM Posters and Exhibitions
<b>1330 - 1430</b>	<b>LUNCH BREAK</b>
<b>SESSION 4: PLENARY - HORIZON SEARCHING: RUFORUM &amp; ITS PARTNERS IN THE NEXT 10 YEARS</b>	
<b>Session Moderator: Dr. Aldo Stroebel (National Research Foundation, Republic of South Africa)</b>	<b>HALL: PUNGUE</b>
<b>Rapporteur: Prof. Malcolm Blackie</b>	
<b>1430-1630</b>	The changing landscape in tertiary agricultural education and implications for RUFORUM: Dr. Leif Christoffersen, Former Division Director, World Bank
	Future thrusts for S & T development in Africa and implication for roles of Networks such as RUFORUM: Dr. Beatrice Njenga - Head, Human Resources, Science and Technology Department, African Union Commission
	Future skill demands in the agricultural sector and the role of Tertiary Agricultural Institutions in meeting such challenges: Dr. Philip Kiriro, President Pan African Farmer Organisation (PAFO)
	Working in a global arena - Leveraging collaboration and partnership: Dr. Mercy Karanja, Bill and Melinda Gates Foundation

	Thoughts on future directions for RUFORUM: Dr. Patrick Okori, ICRISAT
	Discussion
<b>1630-1700</b>	<b>HEALTH BREAK</b>
<b>1700-1830</b>	<b>SESSION 5: VIEWING OF POSTERS AND EXHIBITIONS</b>
	<b>SESSION 6: (1630-1830) RUFORUM: Policy dialogue by invitation at Polana Serena Hotel</b>
<b>1900 - 2100</b>	<b>WELCOME COCKTAIL, HOSTED BY EDUARDO MONDLANE UNIVERSITY AT FORTALEZA</b>

<b>SESSION 7: HARNESSING SCIENCE AND TECHNOLOGY CAPACITY FOR INNOVATION IN AFRICA</b>						<b>HALL: Pungue</b>	
<b>Session Chair: Prof. Cisco Magagula, Vice Chancellor University of Swaziland</b>						<b>Rapporteur: Dr. C. Mutisi (Dean, University of Zimbabwe)</b>	
<b>0830-0840</b>	Summary of Day 1 and introducing profile of events for Day 2: Prof. Luisa Santos, Eduardo Mondlane University						
<b>0840-0910</b>	Harnessing High End Science for Agricultural Development in Africa: Prof. Chandra Madramootoo, Chair ICRISAT Board & McGill University, Canada						
<b>0910-0920</b>	Commentary - Perspectives from FARA: Dr. Irene Frempong, Director, Capacity Strengthening, FARA						
<b>0920-0930</b>	Commentary - Perspectives from BecA: Dr. Appolinaire Djikeng, Director of BecA						
<b>0930-0945</b>	<b>Discussion</b>						
<b>0945-1030</b>	<b>HEALTH BREAK AND VIEWING OF POSTERS AND EXHIBITIONS</b>						
<b>SESSION 8: PARALLEL SESSIONS AND SIDE EVENTS (1030 – 1300)</b>							
<b>1030-1300</b>	<p>Session 8.1 Doctoral training in Africa: The Way Forward</p> <p>Conveners: RUFORUM, National Research Foundation (SA), Carnegie Corporation</p> <p>HALL: LICUNGO</p>	<p>Session 8.2 Extension Education &amp; Training: A link for translating outputs of agricultural science to meet smallholder farmers' needs in Africa</p> <p>Convener: SAFE / AFAAS / WINROCK</p> <p>HALL: INCOMATI</p>	<p>Session 8.3 InnovATE, Virginia Tech: Addressing gender issues and encouraging women in the agricultural sciences</p> <p>Convener: InnovATE</p> <p>HALL: MAPUTO</p>	<p>Session 8.4 Strengthening Partnership in Research and Higher Education</p> <p>Conveners: Makerere University, AGRINATURA, CTA, RUFORUM</p> <p>HALL: ZAMBEZE</p>	<p>Session 8.5 Building linkages between education and practical knowledge resources</p> <p>Conveners: CABI &amp; RUFORUM</p> <p>HALL: SAVE</p>	<p>Session 8.6 Enhancing publication and oral presentation skills of graduate students</p> <p>Convener: RUFORUM</p> <p>HALL: PUNGUE B</p>	<p>Session 8.7 Enhancing university engagement for impact on rural economies: Lessons from Community Action Research Programs for University Outreach</p> <p>Conveners: RUFORUM, Makerere University, LUANAR and University of Eldoret</p> <p>HALL: PUNGUE A</p>
<b>1300-1400</b>	<b>LUNCH BREAK</b>						
<b>SESSION 9: PARALLEL SESSIONS AND SIDE EVENTS (1400 – 1630)</b>							
<b>1400 – 1630</b>	<p>Session 9.1 Doctoral Training in Africa: The way Forward</p> <p>Convener: RUFORUM, National Research Foundation (SA), Carnegie Corporation</p> <p>HALL: LICUNGO</p>	<p>Session 9.2 Extension Education &amp; Training: Extension Education &amp; Training: A link for translating outputs of agricultural science to meet smallholder farmers' needs in Africa</p> <p>Convener: SAFE / AFAAS / WINROCK</p> <p>HALL: INCOMATI</p>	<p>Session 9.3 InnovATE, Virginia Tech: Addressing gender issues and encouraging women in the agricultural sciences</p> <p>Convener: InnovATE</p> <p>Hall: Maputo</p> <p>HALL: MAPUTO</p>	<p>Session 9.4 Strengthening Partnerships in Research and Higher Education</p> <p>Conveners: Makerere university, AGRINATURA, CTA, RUFORUM</p> <p>HALL: ZAMBEZE</p>	<p>Session 9.5 Global Research Alliance on Agricultural Greenhouse Gases</p> <p>Convener: Wageningen University and Research Centre</p> <p>HALL: SAVE</p>	<p>Session 9.6 Enhancing publication and oral presentation skills of graduate students</p> <p>Convener: RUFORUM</p> <p>HALL: PUNGUE B</p>	<p>Session 9.7 Enhancing university engagement for impact on rural economies: Lessons from Community Action Research Programs for University Outreach</p> <p>Conveners: RUFORUM, Makerere University, LUANAR and University of Eldoret</p>

							HALL: PUNGUE A
1600-1830	SESSION 10: RUFORUM BOARD MEETING AT UEM ADMINISTRATION BUILDING						
1630-1700	HEALTH BREAK						
1700-1800	SESSION 11: VIEWING OF POSTERS AND EXHIBITIONS, VIP Hotel Gardens						
1800-2100	OPEN SPACE						
	SIDE EVENT 1: (1800-1900) Carnegie Corporation and RUFORUM: Meeting Carnegie Supported Graduate Students, HALL: SAVE						
	SIDE EVENT 2: (1800-1900) AWARD, Building Leadership for Gender Responsive Agriculture Research and Development, HALL: INCOMATI						
	SIDE EVENT 3: (1900-2100) Eduardo Mondlane University Joint Meeting of RUFORUM Board and International Advisory Panel, VENUE: HOTEL CARDOSO						

**WEDNESDAY 23 JULY, 2014**

<b>SESSION 12.1: INTEGRATION OF HIGHER AGRICULTURAL EDUCATION INTO CAADP &amp; NATIONAL DEVELOPMENT PLANS</b>		<b>HALL: PUNGUE</b>
<b>Session Moderator: Lindiwe Majele Sibanda (Executive Director FARNPAN)</b>		<b>Lead Rapporteur: Dr Mick Mwala (Dean, School of Agriculture, University of Zambia)</b>
<b>0830-0840</b>	Recap of Day 2 and introducing profile of events for Day 3: Dr. Paul Nampala, Grants Manager, RUFORUM	
<b>0840-0900</b>	Dr. Yemi Akinbamijo, FARA Executive Director: Science Agenda for Agriculture in Africa (S3A)	
<b>0900-1030</b>	<b>Panel Discussion one: Perspectives from Agricultural Policy Makers</b>	
	HE Rhoda Tumusiime, Commissioner Agriculture and Rural Economy, African Union Commission	
	Hon. Dr. Zerubabel M. Nyiira, Minister of State for Agriculture, Republic of Uganda	
	Hon. John Mutorwa, Minister of Agriculture, Water and Forestry, Republic of Namibia	
	Prof. Mandi Rukuni, CAADP and S3A Co-Member Expert Panels: Commentary	
	Discussion	
<b>1030 - 1100</b>	<b>HEALTH BREAK</b>	
<b>SESSION 12.2: INTEGRATION OF HIGHER AGRICULTURAL EDUCATION INTO CAADP &amp; NATIONAL DEVELOPMENT PLANS</b>		<b>HALL: PUNGUE</b>
<b>Session Moderator: Dr Howard Elliott, Independent Consultant, Canada</b>		
<b>Lead Rapporteur: Prof Pinkie Zwane, Dean Faculty of Agriculture, University of Swaziland</b>		
<b>1100-1215</b>	<b>Panel Discussion two: Perspectives from Higher Education Policy Makers</b>	
	HE Dr. Martial De Paul Ikounga, Commissioner Human Resources, Science and Technology, African Union	
	Hon. Prof. Jane Nana Opoku Agyemang, Minister of Education, Republic of Ghana	
	Hon. Luis Augusto Mutomene Pelembe, Minister of Science and Technology, Republic of Mozambique	
	Hon. Naledi Pandor, Minister of Science and Technology, Republic of South Africa	
	Discussion	
<b>SESSION 12.3: INTEGRATION OF HIGHER AGRICULTURAL EDUCATION INTO CAADP &amp; NATIONAL DEVELOPMENT PLANS</b>		<b>HALL: PUNGUE</b>
<b>Session Moderator : Prof. Richard Mkandawire, Vice President, African Fertiliser and Agribusiness Partnership (AFAP)</b>		
<b>Lead Rapporteur: Dr. Duncan Ongeng, Dean, Gulu University, Uganda</b>		
<b>1215-1330</b>	<b>Panel Discussion three: Perspectives from Higher Education Institutions</b>	
	Prof. Mabel Imbuga, Vice Chancellor, Jomo Kenyatta University of Agriculture & Technology (Kenya)	
	Prof. Brice Sinsin, Rector, University of Abomey Calavi (Benin)	
	Prof. Dr. M.J. Martin Kropff, Rector Wageningen University and Research Centre (Netherlands)	
	Dr. David Nelson (World Bank), Commentary on perspective from higher education institutions	
	Discussion	
<b>1330 -1430</b>	<b>LUNCH BREAK</b>	
<b>SESSION 13: BREAK AWAY</b>		
<b>1500-1800</b>	<b>SESSION 13.1: RUFORUM ANNUAL GENERAL MEETING (AGM)</b>  OFFICAL OPENING HE Rhoda Tumusiime, Commissioner Agriculture and Rural Economy, African Union Commission  VENUE: University of Eduardo Mondlane Administration Building	<b>SESSION 13.2: RUFORUM GRADUATE STUDENTS' &amp; ALUMNI MEETING</b>  HALL: PUNGUE  Moderators: Prof. Kay Muir Leresche & Monica Kapiriri & Sylvia Mkandawire  <b>Mentoring and building confidence among graduate students</b>
		<b>OPEN SPACE AND SELF SPONSORED/ ARRANGED TOURS</b>

		<p>Guest Speakers:  Hon. Dr. Zerubabel M. Nyiira: My own development pathway  Prof. Nzula Kitaka: Working across systems and disciplines</p> <p><b>From graduate studentship to a change agent/leader</b>  Guest Speakers:  Mr. Prince Kapondamgaga (Malawi Farmers Union)  Mrs. Chimwemwe Chamdimba (NEPAD)</p> <p><b>Group Discussion:</b>  Reflections by graduate students and alumni-Looking into the Future: What do you want to see out of RUFORUM and from African universities?</p> <p>Dinner Dance for students/alumni at COMPLEXO COLMEIA 2, University of Eduardo Mondlane</p>	
1800 - 2100	OPEN SPACE		
	SIDE EVENT 4: (1900-2100) RUFORUM: Joint meeting of RUFORUM Board, IAP, Ministers and Development Partners by invitation, INDY VILLAGE		



**THURSDAY 24 JULY, 2014**

<b>SESSION 14: Resilience and Sustainable Intensification</b>		<b>HALL: Pungue</b>		
<b>Session Chair: Prof. Didier Pilot, AGRINATURA</b>		<b>Rapporteur: Dr. Elizabeth Omami, Dean University of Eldoret</b>		
<b>0830 -0840</b>	Summary of Day 3 and introducing profile of events for Day 4: Mrs. Agnes Akwang Obua-Ogwal, RUFORUM M&E Officer			
<b>0840 - 0900</b>	Key Note address by Dr. Jean Jacques Mbonigaba Muhinda, Director General, Rwanda Agricultural Board: Learning from each other - Transforming the agricultural sector in Rwanda			
<b>0900 - 0920</b>	Key Note address by Prof. Olive Mugenda, Vice Chancellor, Kenyatta University: Learning from each other-Transforming a University- the case of Kenyatta University			
<b>0920 - 0930</b>	Commentary by Dr. Moses Osiru, Deputy Executive Secretary, RUFORUM: Transforming Agricultural Sector and Universities in Africa			
<b>0930 - 0950</b>	Discussion			
<b>0950 - 1020</b>	<b>HEALTH BREAK AND VIEWING OF POSTERS AND EXHIBITIONS</b>			
<b>SESSION 15: PARALLEL SESSIONS AND SIDE EVENTS</b>				
<b>1030 - 1300</b>	<p>SESSION 15.1: Building resilience to address vulnerability to risks associated with climate changes and variability in agricultural systems</p> <p>HALL: MAPUTO</p> <p>Chair: Dr. Ngungi Kinuthia Robinson</p> <p>Rapporteur: Prof. Muna Elhag</p>	<p>SESSION 15.2 Innovations for sustainable cropping production systems within smallholder crop value chains</p> <p>HALL: PUNGUE B</p> <p>Chair: Prof. Julius Ochoudho</p> <p>Rapporteur: Dr. Langa Thembo</p>	<p>SESSION 15.3 Promoting innovations in higher education</p> <p>HALL: ZAMBEZE</p> <p>Chair: Prof. Johnny Mugisha</p> <p>Rapporteur: Dr. Mwetwa Alice</p>	<p>SIDE EVENT 5: CCARDESA- Towards a strategy for integrating research and higher education at sub-regional level</p> <p>Convener: CCARDESA, RUFORUM</p> <p>HALL: INCOMATI</p> <p>SIDE EVENT 6: A new architecture for learning: looking into the future of ICT for teaching and learning</p> <p>Convener: RUFORUM</p> <p>HALL: PANGUE A</p> <p>SIDE EVENT 7: ASARECA: Optimising the participation of universities in national agriculture research and development</p> <p>Convener: ASARECA, RUFORUM</p> <p>HALL: SAVE</p> <p>SIDE EVENT 8: Revamping agricultural education and training in Africa: opportunities and challenges for transformative change in African universities</p> <p>Convener: InnovATE, Virginia Tech &amp; RUFORUM</p> <p>HALL: LINCUNGO</p>
<b>1030 – 1045</b>	<p>Dynamics of land use and land cover changes in semi-arid Karamoja sub-region, Uganda</p> <p><b>Egeru, A., Wasonga, O., Majaliwa, M. G. J., MacOpiyo, L.&amp; Mburu, J.</b></p>	<p>Role of universities in development of improved crop varieties, seed production, dissemination and impacts: Case studies</p>	<p>Strengthening the capacity of agricultural researchers through a network of statistical collaboration</p>	

		of dry, canning, snap and runner beans, pigeon pea and onions <b>Kimani, P.M.</b>	laboratories. Vance, E. and Magayane, F.	
1045 – 1100	African nightshade distribution in response to phosphorus and water status in three Kenyan counties: Phenolics and related antioxidants  <b>Gweyi-Onyango, J. P., Musila, M.M., Nawiri, M.P. &amp; Omolo, P.O.</b>	Inheritance of resistance to brown spot disease in upland rice in Uganda. <b>Mwendo, M.M., Jimmy, L. &amp; Ochwo, M.</b>	Analysis of variance in experimental design with spatial dependence using autoregressive models <b>Edmundo do Rosário Rodrigues Caetano &amp; Renato Ribeiro de Lima</b>	
1100 – 1115	Projected impact of climate change on suitable areas for rice cultivation in South-Kivu province, DRC. <b>Muhindo, I.D., Majaliwa, M.G.J., Katusabe, A. &amp; Bossissi, Nk.</b>	Breeding runner bean for grain yield, diseases resistance and short-day adaptation in eastern Africa. <b>Kimani, P.M., Mulanya, M.M. &amp; Narla, R.D.</b>	Integrated open digital spaces for personalized learning, electronic portfolios, information dissemination and graduate mentorship <b>Kimolo, N.</b>	
11015 – 1130	Efficiency and profitability of water saving technologies on irrigated rice in South-Kivu Province, DR Congo <b>Nkuba, B., Muhindo, I., Walangululu, M., Katesube, A. &amp; Majaliwa, M.</b>	Selection for multiple disease resistance in bush snap bean lines developed in Kenya <b>Mulanya, M.M., Kimani, P.M. &amp; Narla, R.D.</b>	Development of a virtual space for online supervision and mentoring as a novel tool for learning and improving quality of graduate studies in Africa <b>Kiambi, D., Ndung'u Kilton, J.</b>	
1130 – 1145	Evaluation of rainwater harvesting systems for crop performance. <b>Baipusi, W.J., Kayombo, B. &amp; Patrick, C.</b>	Efficacy of <i>Leonotis nepetifolia</i> L. and <i>Ocimum gratissimum</i> L. extracts on adult <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae) on French beans <b>Ogayo, K.O., Ogwen, J.O. &amp; Nyaanga, J.G.</b>	A study to assess agricultural e-resource use and its impacts within the RUFORUM consortium <b>Onyango, D. &amp; Njogu, F</b>	
1145 – 1200	Land use change effect on carbon stocks in western Uganda <b>Makuma-Massa, H., Ochanda, D., Nandozi C., Mfutumikiza, D. &amp; Majaliwa, J.G.M.</b>	Factors influencing occurrence of tomato virus diseases on small holder farms in Kasese, Uganda	Improving graduate competencies through field attachments: Experiences from School	

		<b>Ahabwe, S., Ochwo-Ssemakula, M.K.N., Karungi, J. &amp; Sseruwagi, P.</b>	of Agricultural Sciences, Makerere University. <b>Opolot, H.N, Isubikalu, P, Obaa, B.B. &amp; Ebanyat, P.</b>	
<b>1200 – 1215</b>	Climate warming and range shifts of four medicinal plants in Africa: insights from predictive bioclimatic models. <b>Isabirye B.E, Rwomushana I, Zziwa E, Mweya N. C. &amp; Tabuti J.R.S.</b>	Pesticide use for management of aphids and viral diseases in passion fruit <b>Olango, A., Ochwo-ssemakula, M., Karungi, J. &amp; Sseruwagi, P.</b>	AgIM – Post-graduate education in agriculture information management and precision farming in Cape Verde and Mozambique <b>Marco, P., Alexandre, B., Chapananga, N. &amp; Atumane, A.</b>	
<b>1215 – 1230</b>	Soil organic carbon stocks under coffee agroforestry systems in Uganda. <b>Balaba-Tumwebaze, S.</b>	Row covers for management of insect-vectored viral diseases of tomato in Uganda <b>Jurua, H., Sseruwagi, P., Ochwo-Ssemakula, M.K.N. &amp; Karungi, J.</b>	Strengthening national capacity in agro-biotechnology applied to agro-forestry research through a collaborative platform between UEM (Mozambique) and IICT (Portugal). <b>Ribeiro de Barros, A.I, Saide, J, Maquia, I., Senkoro, A., Muocha, I., Barbosa, F., Goulao, L.F., Neves, L. &amp; Ribeiro, N.S.</b>	
<b>1230 – 1245</b>	Impact of no-tillage on runoff and soil loss by water erosion: a meta-analysis of plot data. <b>Mhazo, N.</b>	Role of soil and crop residues as sources of inoculum for Fusarium head blight of wheat. <b>Njeru, N.K., Wagacha, J.M., Muthomi, J.W. &amp; Mutegi, C.K.</b>	The License Master & Doctorate (LMD) System in Republic of Benin and in French speaking Africa. <b>Assogbadjo, A.</b>	
<b>1245 – 1300</b>	<b>Discussions</b>	<b>Discussions</b>	<b>Discussions</b>	
<b>1300 - 1400</b>	<b>LUNCH BREAK</b>			
<b>SESSION 17: PARALLEL SESSIONS AND SIDE EVENTS</b>				
<b>1400 – 1600</b>	Session 17.1 Building resilience to address vulnerability to risk associated with climate changes and variability in agricultural systems	Session 17.2 Innovations for sustainable cropping production systems within smallholder crop value chains	Session 17.3 Innovations for sustainable fisheries and livestock production systems	SIDE EVENT 9: CCARDESA- Towards a strategy for integrating research and higher education at sub-regional level  Convener: CCARDESA

	<p>HALL: MAPUTO</p> <p>Chair: Prof. Rhoda Biriech</p> <p>Rapporteur: Mr. Anthony Egeru</p>	<p>HALL: PUNGUE B</p> <p>Chair: Prof. Joshua Ogendo</p> <p>Rapporteur: Dr. Mulembeki Robert</p>	<p>HALL: ZAMBEZE</p> <p>Chair: Prof. Emmanuel Kaunda</p> <p>Rapporteur: Ms. Matsimbem Musewe</p>	<p>HALL: INCOMATI</p> <hr/> <p>SIDE EVENT10: A new architecture for learning: looking into the future of ICT for teaching and learning</p> <p>Convener: RUFORUM</p> <hr/> <p>HALL: PANGUE A</p> <p>SIDE EVENT 11 ASARECA: Optimising the participation of universities in national agricultural research and development</p> <p>Convener: ASARECA, RUFORUM</p> <hr/> <p>HALL: SAVE</p> <p>SIDE EVENT12: Revamping agricultural education and training in Africa: opportunities and challenges for transformative change in African universities</p> <p>Convener: InnovATE, Virginia Tech &amp; RUFORUM</p> <hr/> <p>HALL: LINCUNGO</p>
1400 – 1415	<p>The effect of climate variability on <i>Prosopis juliflora</i> spread, vegetation trends and livestock dynamics in the drylands of Magadi in Kajiado County – Kenya.</p> <p><b>Kyuma, R., Wahome, R., Kinama, J. &amp; Wasonga, V. O.</b></p>	<p>Alternative hosts of whitefly and Tomato curl stunt virus (TOCSV) in Chokwe district, Mozambique.</p> <p><b>Azevedo S. M. Suege; Lourena R. L. Arone Valter Nuaila &amp; Tomás F. Chiconela</b></p>	<p>An overview of the livestock sector in Eastern Africa: implications for research and training.</p> <p><b>Ebong, C. &amp; Gitau, G.</b></p>	
1415 – 1430	<p>Determinants of the non-timber forest resources conservation of the Falgore Game Reserve Kano, Nigeria</p> <p><b>Suleiman, M.S. Kironchi, G. &amp; Suleiman, A.</b></p>	<p>Role of agronomic practices on the occurrence of <i>Fusarium</i> head blight of wheat</p> <p><b>Okumu, O., Muthomi, J., Wagacha, M., Narla, R. &amp; Mutegi, C.</b></p>	<p>Growth characteristics of selected indigenous legumes for livestock feeds in Namibia</p> <p><b>Kaholongo, L., Lutaaya, E., Mureti, S., Kahumba, A. &amp; Mpofo, I.</b></p>	
1430 – 1445	<p>Shifting cultivation dilemma in Niassa, north Mozambique.</p> <p><b>Lopes, J.R., Domingos, L.P. &amp;</b></p>	<p>Aphid transmission of <i>Passiflora</i> chlorotic mottle</p>	<p>Characterisation of local chicken production in northern Uganda:</p>	

	<b>Fafetine, J.T.</b>	virus in Uganda <b>Nantale, N. M., Ochwo-ssemakula, Sseruwagi, P, M. &amp; Kalungi, J.</b>	breeding practices and flock productivity <b>Kayitesi, A., Nakkazi, C., Kugonza, R.D., Okot, M.W. &amp; Mulindwa, H</b>	
<b>1445 – 1500</b>	The influence of woodland degradation on habitat quality and availability of non timber forest resources in Mabalane, southern Mozambique. <b>Bandeira, R.R., Amadeu, O., Gerente, J., Miriam Tomo, M. &amp; Sidumo, I.</b>	Seed-borne fungi of chilli pepper ( <i>Capsicum frutescens</i> ) in the coastal savannah zone of the central region of Ghana. <b>Afutu, E., Danquah, O-A. &amp; Opoku-Asiamah, Y.</b>	Ecological niche modeling of geographic distribution of <i>Bacillus anthracis</i> and risk of anthrax disease in Africa. <b>Isabirye B.E, Rwomushana, I., Zziwa, E., Mweya, N. C. &amp; Tabuti, J.R.S.</b>	
<b>1500 – 1515</b>	Towards resilient and profitable farming systems in Central Mozambique <b>Sabine-Homann-Kee Tui, Julio Onofre Rainde, Andre van Rooyen, Michael Hauser, Shepard Siziba, Daniel Rodriguez &amp; Feliciano Mazuz</b>	Comparison of quality attributes of mango fruits produced from two contrasting agro-ecological zones of Kenya <b>Ouma, L., Ambuko, J., Shibairo, S. &amp; Owino, W.</b>	The effect of feeding <i>Medicago sativa</i> and <i>Lablab purpureus</i> hay rations on milk yield and milk composition of mid-lactating Saanen goats managed intensively <b>Dipheko, K., Mpapho, G.S., Nsoso, S.J., Kamau, J.M. and Mahabile, W.</b>	
<b>1515 – 1530</b>	In-season nitrogen prediction for the quality protein maize variety “Webii” using the pocket hand-held NDVI sensor at Bako-Tibe and Ilu-Gelan, Ethiopia. <b>Tolera, A., Tolessa, E.S., Debele, D.W. and Hae, K. k.</b>	Effect of ethephon and potassium nitrate on off-season flower induction in mango <b>Maloba, S., Ambuko, J., Hutchinson, M. &amp; Owino, O.O.</b>	Indigenous fish species a panacea for cage aquaculture in Zambia: A case of green head bream at Kambashi smallholder out-grower scheme. <b>Nsonga, A.</b>	
<b>1530 – 1545</b>	Dry season performance of new <i>Capsicum annuum</i> chili pepper varieties in Mali. <b>Sokona, D.P. &amp; Nadou, S.</b>	Effect of organic and inorganic sources of nitrogen on growth, seed yield and oil content of sun flower in highly weathered soils in Morogoro, Tanzania. <b>Mwhija, I.</b>	Value chain analysis of mud crab fishery and fattening in Rufiji estuaries in Tanzania. <b>Kamata, E.L., Lamtane, H.A. &amp; Abdallah, J.M.</b>	
<b>1545 – 1600</b>	<b>Discussions</b>	<b>Discussions</b>	<b>Discussions</b>	
<b>1600 – 1630</b>	<b>HEALTH BREAK AND POSTER/ EXHIBITIONS VISIT</b>			

<b>SESSION 18: PARALLEL Themes</b>			
<b>1630-1800</b>	Session 18.1 Joint ASARECA / CCARDESA- RUFORUM Deans' Meeting		Session 18.2 Revamping agricultural education and training in Africa: opportunities and challenges for transformative change in African universities  Convener: InnovATE, Virginia Tech & RUFORUM  Hall: LINCUNGO
<b>1800 - 2100</b>	<b>OPEN SPACE</b>		

FRIDAY 25 JULY, 2014

**SESSION 18:**

Session Chair: Prof. Timothy Simalenga, Executive Director CCARDESA University

**HALL: PUNGUE**

Rapporteur: Prof. John Muyonga, Dean of School of Food Science and Technology , Makerere

<b>0830 -0845</b>	Summary of Day 4 and introducing profile of events for Day 5: Dr. Angela Remane, Eduardo Mondlane University
<b>0845- 0915</b>	Moving forward the HAE Agenda (Towards transforming the African continent): Prof. Mandi Rukuni - Guest Speaker
<b>0915 - 0930</b>	Discussion
<b>0930 - 1000</b>	<b>HEALTH BREAK AND POSTER/ EXHIBITIONS VISIT</b>

**SESSION 19: PARALLEL SESSIONS AND SIDE EVENTS**

<b>1010 - 1245</b>	<p>Session 19.1 Strengthening community engagements &amp; innovation platforms</p> <p>HALL: LINCUNGO</p> <p>Chair: Dr. Cyprian Ebong</p> <p>Rapporteur: Ms. Monica Kapiriri</p>	<p>Session 19.2 Agricultural Marketing, Trade &amp; Policy</p> <p>HALL: ZAMBEZE</p> <p>Chair: Prof. Bernard Bashaasha</p> <p>Rapporteur: Mr. Patrick Watete</p>	<p>Session 19.3 Innovations for sustainable cropping production systems within smallholder crop value chains</p> <p>HALL: PUNGUE B</p> <p>Chair: Prof. Anderson Kipkoech</p> <p>Rapporteur: Dr. Bobe Bedadi</p>	<p>Session 19.4 Strengthening fisheries and crop-livestock value chains through improved post harvest handling and agro-processing</p> <p>HALL: MAPUTO</p> <p>Chair: Prof. George Gitau</p> <p>Rapporteur: Prof. Majaliwa Mwanjalolo</p>	<p>SIDE EVENT 13 Strengthening universities capacities for mitigating climate change induced water vulnerabilities.</p> <p>Convener: RUFORUM</p> <p>HALL: SAVE</p>	<p>SIDE EVENT 14 Rejuvenating agricultural professional associations for enhanced agricultural productivity</p> <p>Convener: RUFORUM, African Crop Science Society &amp; InnovATE, Virginia Tech</p> <p>HALL: INCOMATI</p>
<b>1010 – 1025</b>	<p>Creating an innovation platform for research impact: lessons from the smallholder soyabean programme in Zimbabwe. <b>Mpepereki, S.</b></p>	<p>Strengthening university capacity to enhance competitiveness of agribusiness in east and west Africa. <b>Mshenga, P. M., Mugonola, B., Carsten, N. P., Olufemi, M. A. &amp; Manjur, K.</b></p>	<p>Floristic characterisation of Lake Chilua and Chiuta plains as outbreak areas of red locust in Mozambique. <b>Tembe, F.T.A. &amp; Chiconela, F.T.</b></p>	<p><i>Do triple bag hermetic storage control Prostephanus truncatus (horn) (Coleoptera: bostrichidae) in stored maize in Mozambique?</i> <b>Muchiruarapa, L., Cugala, D. &amp; Affognon, H.</b></p>		
<b>1025 – 1040</b>	<p>Capacity development for agricultural innovation – establishing and implementing effective multi-stakeholder innovation platforms in Uganda. <b>Ekong, J. &amp; Akongo, T.</b></p>	<p>Using internships to stimulate agricultural entrepreneurship and innovation by graduates of tertiary agriculture education. <b>Charette, D.</b></p>	<p>Integrated management of the perennial weed Digitaria vestida under cassava cropping fields in the Sud-Kivu Province, Democratic Republic of Congo. <b>Basengere, E.B., Wa-Bahekelwa, S., Masirika, C. &amp; Walangululu., J.F.M.</b></p>	<p>Effect of perforation and storage temperature on the water vapour transmission rate of selected biodegradable and polymeric films <b>Zaharan H., Oluwafemi, J. C., Pramod, V. M., Marena, M. &amp; Umezuruike, L. O.</b></p>		

1040 – 1055	A 'Trojan Horse' approach to change: The case of GO4IT. <b>Wongtschowski, Willem Heemskerk &amp; Ochola, W.</b>	An assessment of socio-economic potential for rainwater harvesting in semiarid Bobirwa Sub-district of eastern Botswana <b>Mpatane, O., Kayombo, B., Patrick, C., Malope, P. &amp; Tapela, M.</b>	Effect of farming practices on the occurrence of Fusarium head blight of wheat and its management through cultivar resistance. <b>Wagacha, J.M., Muthomi, J.W., Mutegi, C.K., Njeru, N.K., Okumu, O.O. &amp; Narla, R.D.</b>	Enzymatic processing of fibres of sisal ( <i>Agave sasilina</i> ), century plant ( <i>Agave americana</i> ) and pineapple ( <i>Ananas comosus</i> ) in Swaziland. <b>Zwane, P.E., Vilane, V.S., Mkhonta, T.T., Otieno, D.A., Thwala, J.M., Masarirambi, M.T. &amp; Ndlovu, T.</b>
1055 – 1110	Farmer participation in farmer groups and food security: Insights from the livelihoods and food security baseline survey in north eastern Uganda. <b>Odeke, M. &amp; Oyua, C.</b>	Type and distribution of urban and peri-urban agriculture production systems in Nairobi County, Kenya. <b>Ogendi, M.N., Mukundi, J.B. &amp; Orege, M.O.</b>	Combining ability and gene action in a diallel cross of eight sesame genotypes <b>Okello-Anyanga, W., Rubaihayo, P.R., Tukamuhabwa, P. &amp; Gibson, P.</b>	Effect of enzyme treatment on dyeing and finishing of sisal ( <i>Agave sisalana</i> ) and pineapple ( <i>Ananas comosus</i> ) leaf fibres. <b>Mkhonta, T.T., Zwane, P.E., Otieno, D.A., Thwala, J.M., Masarirambi, M.T. &amp; Ndlovu, T.</b>
1110 – 1125	Multidisciplinary research approach to the use of weeds as potential biopesticides in Taro ( <i>Colocasia esculenta</i> L. Schott) disease management <b>Fontem, L.A., Chikoye, D., Fokunang, C. &amp; Ndifon, E.M.</b>	The performance of Namibia Swakara pelts offered at Copenhagen Fur auction between 1994 and 2013. <b>Itenge, T.O., Shipandeni, M. &amp; Claasen, B.</b>	Cowpea bacterial blight resistance among cowpea genotypes in Uganda. <b>Nantale, G. &amp; Rubaihayo, P.</b>	The bioprocessing of fibres from sisal ( <i>Agave sisalana</i> ) and century plant ( <i>Agave americana</i> ). <b>Vilane, V.S., Zwane, P.E., Thwala, J.M., Masarirambi, M.T., Ndlovu, T. &amp; Otieno, D.A.</b>
1125 – 1140	Effectiveness of information and communication technologies in dissemination of agricultural information to smallholder farmers in Kilosa district, Tanzania. <b>Levi, C.</b>	Effect of improved entrepreneurial skills of smallholder farmers on Soybean productivity and household incomes in Lango Sub-region, Northern Uganda. <b>Rokani, L., Ekere, E., Walekwa, P. &amp; Ebanyat, P.</b>	Effect of organic and inorganic sources of nitrogen on growth, seed yield and oil content of sunflower in highly weathered soils in Morogoro, Tanzania <b>Mwahija, I, Kinama, J. &amp; Cheminingwa, G.</b>	Protein nutritional quality of soy fortified complementary flours from Western. <b>Kamau, E.H.</b>
1140 – 1155	Plantwise knowledge bank: Expanding local and global resource pathways for plant	Income and profit distribution of pond raised fish along the value chain	Evaluation of the repellent effects of four chemicals in the control	Identifying conditions for phytase enzyme adaption in African catfish ( <i>Claria</i>



	health education and research in Africa. <b>Julia, D.</b>	in Mpamba, Nkhatabay district, Malawi <b>Kamangira, A., Singini, W., Kasulo, V., Jere, W.L., Kapute, F. &amp; Mzengereza, K.</b>	of reb-billed in rice in Chókwè irrigation <b>Sabilio, K. N. &amp; Tomás, F. C.</b>	<i>gariepinus</i> ) feeds. <b>Kemigabo, C., Kang'ombe, J., Masembe, C., Sikawa, D., Jere, W. &amp; Kasigwa, H.</b>	
1155 – 1210	Exploring gender dynamics in agro-technological research and development: The case of action learning processes in eastern Zimbabwe <b>Mashavave, T., Mtambanengwe, F., Mapfumo, P., Gwandu, T., Nezomba, H. and Siziba, S.</b>	Leveraging mining infrastructure and procurement for long-term agricultural supply chain productivity and development. <b>Zhou, E., Walls, J., McHenry, M.P., Doepel, D. &amp; Howieson, J.G.</b>	Evaluation of Azolla as alternative for chemical fertilizers for smallholder farmers in Mozambique. <b>Cheila, M. and Tomás, C.</b>	Development of quality and affordable fish feed for small scale fish farmers in Malawi <b>Singini, W., Msiska, O.V, Kapute, F., Kasulo, V., Kang'ombe, J., Wilson Jere, W. , Nyasulu, T., Mzengereza, K.S. &amp; Kamangira, A.S.</b>	
1210 – 1225	Participatory characterisation of highland sorghum land races of Uganda contributing towards breeding early maturing highland varieties <b>Akatwijuka, R., Rubaihayo, P. &amp; Okori, P.</b>	Strikes in sugarcane mills: the forms of resistance of migrant workers in Brazil. <b>Menezes, M. &amp; Maciel, C.</b>	Evaluation of the effects of conservation agriculture systems on selected chemical and soil microbial biomass of soils in Chipata District, Zambia <b>Banda, J.S.K., Munsanda, N., Phiri, E., Thierfelder, C., Mapangwa, W. and Mweetwa, A.M.</b>	Proximate composition of potential plant feedstuffs for production of <i>Tilapia rendalli</i> in Nkhatabay district, northern Malawi. <b>Mzengereza, K., Singini, W., Msiska, O.V, Kang'ombe, J., Kapute, F. &amp; Kamangira, A.</b>	
1225 – 1245	<b>Discussions</b>	<b>Discussions</b>	<b>Discussions</b>	<b>Discussions</b>	
1245 - 1400	<b>LUNCH</b>				
<b>SESSION 20: FEEDBACK - SUMMARY AND REFLECTIONS FROM CONFERENCE SESSIONS AND SIDE EVENTS</b>					
Chair: Prof. Frans Swanepoel, Director, Africa Doctoral Academy, South Africa			HALL: PUNGUE		
Rapporteur: Mr. Kenneth Senkosi, Team Leader, Forum for Sustainable Agriculture in Africa (FOSAA)					
1400-1500	<b>Reflections on RUFORUM@10 and the Fourth Biennial (5 minutes for each panelist)</b>				
	Reflections from a Graduate student: Ms. Laura Jose' Canhanga, Eduardo Mondlane University				
	Reflections on the Doctoral event: Prof. Alice Pell, Cornell University				
	Reflection on the five day event: Dr. Joseph Methu –ASARECA (on behalf of SROs)				
	Reflection on the five day event: Dr. Kristin Davis, Executive Secretary, Global Forum for Rural Advisory Services (GFRAS)				
	Reflection on the five day event: Dr. Michael Hauser, President AGRINATURA				
	Reflection on the five day event: Ms. Judith Francis, CTA, Netherlands				
	Reflection on five day event: Prof. Waceke Wanjohi, Dean Faculty of Agriculture, Kenyatta University				
	Discussion				
1500-1530	<b>HEALTH BREAK</b>				

<b>SESSION 21: CLOSING CEREMONY</b>	
	<b>Chair: Prof. Quilambo, Rector Eduardo Mondlane University; HALL: PUNGUE; Rapporteur: Mr. Henry Massa Makuma and Mr. Anthony Egeru- Makerere University</b>
<b>1530-1540</b>	Vote of Thanks by Dr. Theopoline Itenge, University of Namibia
<b>1540-1600</b>	Conference Communique by Dr Solange Uwituze (University of Rwanda), Chair Deans Committee, RUFORUM
<b>1600-1630</b>	Prize Awards by Prof Adipala Ekwamu, Executive Secretary, RUFORUM
<b>1630-1635</b>	Closing remarks by Prof. Levi Nyagura, RUFORUM Board Chair
<b>1635-1645</b>	Statement from African Union Human Resources, S&T Commission, HE Dr Martial De Paul Ikounga
<b>1645-1655</b>	Statement by Deputy Minister Education (Higher Education), Mozambique, Hon. Arlindo Chilunda
<b>1655-1715</b>	Closing speech by Minister of Agriculture, Mozambique, Hon. Jose Condugua Antonio Pacheco
<b>1830 - 2100</b>	<b>CLOSING DINNER HOSTED BY RUFORUM AT KAYA KWANGA RESIDENTIAL</b>

**SATURDAY 26 JULY, 2014**

**DEPARTURES**