

Day ONE [14 September]

Review [progress with implementation of ESA workplan sub-activities]

Outcome 1. Productivity, diversity, and income of crop–livestock systems in selected agroecologies enhanced under climate variability		
Output 1.1 Demand-driven, climate-smart, integrated crop–livestock research products (contextualized technologies) for improved productivity, diversified diets, and higher income piloted for specific typologies in target agroecologies		
Activity 1.1.1: Assess and iteratively improve resilient crop-crop and crop-livestock integration systems		
Start time	Presenter	Sub-activity title
14:20	B. Jumbo	Sub-activity 1.1.1.1: Validation of drought-tolerant maize (DT) hybrids under on-farm conditions in central Tanzania
14:25	R. Chikowo	Sub-activity 1.1.1.2: Investigations on the medium to long term impacts of SI technologies on crop productivity at multi-locational fields
	R. Chikowo	Sub-activity 1.1.1.3: Determining the productivity of groundnut as a function of seed generation × variety × density interactions in two contrasting agroecologies, and rotational benefits to maize
	R. Chikowo	Sub-activity 1.1.1.4: Exploring productivity of goats under controlled breeding and feeding regimes among young breeding female goats in the crop–livestock system in Malawi
14:40	A. Kimaro	Sub-activity 1.1.1.5: Determining the productivity and resilience benefits of Gliricidia-based cropping systems
14:45	J. Kihara	Sub-activity 1.1.1.6: Assess the yield, economic and BNF benefits of innovative approaches addressing the pigeon pea and common bean productivity within maize-based cropping system and variable weather
14:50	M. Shitindi	Sub-activity 1.1.1.7: Monitoring the impact of weather and climate variability on the productivity and resilience of maize–legume cropping systems of Kongwa and Kiteto, Tanzania
14:55	L. Claessens	Sub-activity 1.1.1.8: Explore, document, and assess the sustainable intensification pathways of 3 farming system case studies in Tanzania to inform scaling potential.
	L. Claessens	Sub-activity 1.1.1.9: Assessing the impacts of Africa RISING technologies on the performance and resilience of multi-location and differentially exposed farming systems case studies in Malawi.
15:05 – 15:25	Discussions	

Activity 1.1.2: Evaluate and implement pathways that are effective at improving access to seeds and clonal materials of modern varieties of legumes, cereals, vegetables, forages, and livestock		
<i>Start time</i>	<i>Presenter</i>	<i>Sub-activity title</i>
15:25	S. N'Danikou	Sub-activity 1.1.2.1: Assessment of the benefits of management technologies on the performance of improved vegetable varieties
15:30 – 15:35	Discussions	
Output 1.2 Demand-driven, labor-saving, and gender-sensitive research products to reduce drudgery while increasing labor efficiency in the production cycle piloted for relevant typologies in target areas		
Activity 1.2.1: Support local partners through training on appropriate drudgery-reducing technology delivery. No sub-activity was planned for 2019-2020.		
Activity 1.2.2: Co-adapt existing mechanization options with target communities		
<i>Start time</i>	<i>Presenter</i>	<i>Sub-activity title</i>
15:35	E. Swai	Sub-activity 1.2.2.1: Use of tractor mounted ripper tillage implement for enhancing soil water infiltration and moisture conservation in semi-arid areas of Kiteto
15:40	G. Fischer	Sub-activity 1.2.2.2: Gender analysis of soil and water conservation technologies
15:45 – 15:50	Discussions	
Output 1.3. Tools (including ICT-based) and approaches for disseminating recommendations in relation to above research products, integrated in capacity development		
Activity 1.3.1: Conduct extrapolation domain analysis based on GIS, agroecology, and crop model-generated information to establish the potential of technologies for geographical reach		
<i>Start time</i>	<i>Presenter</i>	<i>Sub-activity title</i>
15:50	M. Bekunda on behalf of B. Lukuyu	Sub-activity 1.3.1.1: Farmer/Extension messaging (forage production and use, crop residue processing and use and feed rations) using the MWANGA ICT-Platform
15:55	F. Muthoni	Sub-activity 1.3.1.2: Produce regionally relevant extrapolation domain maps for validated conservation agriculture (CA) practices
	F. Muthoni	Sub-activity 1.3.1.3: Produce regionally relevant extrapolation domain maps for validated soil and water conservation practices
16:05	L. Claessens	Sub-activity 1.3.1.4: Ex ante impact assessment with Trade-off Analysis Model for Multidimensional Impact Assessment (TOA-MD) for regional relevance of Africa RISING technologies.
16:10 – 16:20	Discussions	

16:20 – 16:30			BREAK		
Outcome 2. Natural resource integrity and resilience to climate change enhanced for the target communities and agroecologies					
Output 2.1 Demand-driven research products for enhancing soil, land, and water resource management to reduce household/community vulnerability and land degradation piloted in priority agroecologies					
Activity 2.1.1: Characterize current practices in ESA through identifying formal and informal arrangements for access to and use of water and land resources					
Start time	Presenter	Sub-activity title			
16:30	J. Groot	Sub-activity 2.1.1.1: Assessing buffer and adaptive capacity to harness resilience of different farm types			
16:35 – 16:40	Discussions				
Output 2.2 Innovative options for soil, land and water management in selected farming systems demonstrated at strategically located learning sites					
Activity 2.2.1: Set up demonstration and learning sites in target ESA communities					
Start time	Presenter	Sub-activity title			
16:40	C. Thierfelder	Sub-activity 2.2.1.1: Lessons from long-term on-station Conservation Agriculture (CA) trials in Zambia			
16:45	R. Chikowo	Sub-activity 2.2.1.2: Assessing the benefits of nutrient and water management for climate resilience in Malawi			
16:50	J. Kihara	Sub-activity 2.2.1.3: Climate-smart farming practices (soil water micro-catchments, weather informed varieties, cover crops integration [cowpea]) for increasing productivity of the maize-legume system under variable weather conditions			
16:55	A. Kimaro	Sub-activity 2.2.1.4: Integration of fodder trees and grass forages in dryland farming			
17:00	M. Shitindi	Sub-activity 2.2.1.5: Evaluation of land rehabilitation benefits of shelterbelts and contours			
17:05	E. Swai	Sub-activity 2.2.1.6: Validation of residual tied ridging as a labor-saving technology in the semi-arid areas of central Tanzania			
17:10 – 17:25	Discussions				

Outcome 3. Food and feed safety, nutritional quality, and income security of target smallholder families improved equitably (within households)		
Output 3.1 Demand-driven research products to reduce postharvest losses and improve food quality and safety piloted in target areas		
Activity 3.1.1: Conduct packaging and delivery of postharvest technologies through community and development partnerships with an iterative review, refining, and follow-up		
<i>Start time</i>	<i>Presenter</i>	<i>Sub-activity title</i>
17:25	S. N'Danikou	Sub-activity 3.1.1.1: Impact of nutritional messaging on household nutrition, knowledge, attitude, and practices
17:30	G. Fischer	Sub-activity 3.1.1.2: Validating hermetic storage structures and the environment on physical and economic loss abatement in produce
17:35	M.Bekunda for C. Mutungi	Sub-activity 3.1.1.3: Nutritional value, safety, and processing quality of produce during storage and utilization by households
17:40 – 17:45	Discussions	
Output 3.2 Nutritional quality due to increased accessibility and use of nutrient dense crops by farmers improved		
Activity 3.2.1: Promote and deploy nutrient-rich crop varieties and livestock food resources in target communities		
<i>Start time</i>	<i>Presenter</i>	<i>Sub-activity title</i>
17:45	P. Okori	Sub-activity 3.2.1.1: Pathways to sustainable adoption of nutrient-dense diets in rural communities of central Tanzania
17:50	R. Chirwa	Sub-activity 3.2.1.2: Promoting farmer production of nutrient-dense (Zn, Fe) NUA45 and drought-tolerant SER83 bean varieties in Malawi
17:55	A. Mwangwela	Sub-activity 3.2.1.3: Determining quality and safety of locally produced legume grain-derived complementary foods and adoption in Dedza District
18:00	P. Okori	Sub-activity 3.2.1.4: Assess the contribution of the farming systems interventions in narrowing the food and nutrient gaps in Kongwa and Kiteto, and the probability of smallholder farmer production to meet them
18:05 – 18:15	Discussions	