Agenda of the International Virtual Experts Meeting on Promoting Sustainable Agriculture Development in Drylands

Riyadh, Kingdom of Saudi Arabia

10th August 2020

Monday, 10 August 2020

TIME	SESSION	PRESENTER	DURATION
14:00 – 14:05	**OPENING SESSION (5 MIN)**		
	1. Welcoming Address (Kingdom of Saudi Arabia)	Prof. Suliman Ali Al-Khateeb	3 min
14:05 – 14:40	**SESSION 1. KEY RISKS, OPPORTUNITIES AND SYSTEM APPROACH FOR SUSTAINABLE AGRICULTURAL DEVELOPMENT IN DRYLANDS (35 MIN)**		
	1. Systems agronomy in northern Australia's maturing agriculture	Dr. David Lawrence (Australia)	7 min
	2. Innovations to enhance agroecosystem resilience and adaptation to climate change in drylands of China	Prof. Wang Yaosheng (China)	7 min
	3. Modelling dry farming systems: a roadmap for tool development	Dr. Marcello Donatelli (Italy)	7 min
	4. Holistic View and Future opportunities to Promote Sustainable Agriculture Development in Drylands: The Case of the Kingdom of Saudi Arabia	Dr. Mohammad Almutari (Kingdom of Saudi Arabia)	7 min
	5. Collaborative US research highlights: Providing a range of tools and resources for sustainable agriculture in drylands	Dr. Laura Schreeg (USA)	7 min
14:40 – 16:05	**SESSION 2. ENABLING TOOLS FOR SUSTAINABLE AGRICULTURAL DEVELOPMENT IN DRYLANDS (85 MIN)**		
	1. Genome editing for drought tolerance and crop production sustainability	Dr. Sergio Feingold (Argentina)	7 min
	2. Breeding for diversified cropping systems: Example of sorghum based systems in Central North zone of Burkina Faso	Dr. Myriam Adam (France)	7 min
	3. Enhancing drought stress tolerance by harnessing genetic resources	Dr. Gwendolin Wehner (Germany)	7 min
	4. Genetic enhancement and natural resources management for enhancing productivity, sustainability and resilience in drylands	Dr. D.K. Yadava (India)	7 min
	5. Developing drought-tolerant legume crops by agro-ecological and genomic approaches	Dr. Paolo Annicchiarico & Dr. Luciano Pecetti (Italy)	7 min
	6. Drought tolerance improvement in plants: An integrated view from breeding to genomics	Mr. Enes YAKIŞIR (Turkey)	7 min
	7. Agricultural transformation in the drylands: Role of Data & Disruptive technologies	Prof. Wayne Powell (UK)	7 min
	8. Crop breeding for drought-resistance varieties using smart sensors	Dr. Shamal Mohammed (UK)	7 min

	9. Appropriate Technologies for Soil and Water Management: South African Examples	Prof. Sue Walker (South Africa)	7 min
	10. Artificial soil for urban greening and urban farming	Mr. Konstantin Romanenko (Russia)	7 min
	11. Soil & water researches in adaptation to climate change: Turkey Case	Mr. Alican EREN (Turkey)	7 min
	12. Irrigation in Canada: Improving water productivity through Research and Development	Mr. Evan Derdall (Canada)	7 min
16:05 – 16:25	**SESSION 3. BIOTIC FACTORS AFFECTING SUSTAINABLE AGRICULTURAL DEVELOPMENT IN DRYLANDS (20 MIN)**		
	1. Emerging biotic stresses affecting crops and animals and their management under drylands	Dr. N. Bakthavatsalam (India)	7 min
	2. Pests & Diseases Challenging Animal's Health in Drylands: ARC-OVR Perspectives	Dr. Mohammed Sirdar (South Africa)	7 min
	3. Locust and grasshopper management in drylands: Can biological control be considered as a viable solution?	Dr. Ulrich Kuhlmann & Dr. Belinda Luke (CABI)	7 min
16:25 – 17:35	**SESSION 4. INNOVATION, TECHNOLOGY & ADOPTION TO ENHANCE RESOURCE USE EFFICIENCY (70 MIN)**		
	1. Exploring valuable traits in beneficial rhizobacteria for development of bio-inputs in Argentina: A Sustainable solution to enhance crop productivity in drylands	Dr. Julia García (Argentina)	7 min
	2. Australian rangelands – Towards resilient systems under climate change	Dr. Cécile Godde (Australia)	7 min
	3. Integrated systems in Brazilian semi-arid: tools for adapting to climate change	Dr. Diana Signor Deon (Brazil)	7 min
	4. Platforms for concerted territorial planning: Climate change adaptation programme for vulnerable rural territories (PACTE) of Tunisia	Dr. Sylvie Morardet (France)	7 min
	5. Upscaling potential of Organic farming to enhance resilience and contribute sustainability in the drylands	Prof. Gerold Rahmann (Germany)	7 min
	6. Self-sustaining Food Producing Platform	Mr. David Enríquez (Mexico)	7 min
	7. Scenarios for climate smart livestock systems in drylands	Dr. Henning Steinfeld (FAO)	7 min
	8. Drylands of NENA Region: Integrated Approaches and Sustainable Natural Management to Enhance Resilience and Food Security	Mr. Rachid Serraj and Ms. Vera Boerger (FAO)	7 min
	9. Integrating and scaling innovations for dryland agriculture	Prof. Jacques Wery (ICARDA)	7 min
	10. High and Low tech innovations to enhance resilience of small scale farmers	Mr. Shantanu Mathur (IFAD)	7 min
17:35 – 18:25	**Discussion**		**50 min**
18:25 – 18:30	**CLOSING SESSION (5 MIN)**		

Closing Remarks	5 min