	y Technologies		
Sessio	n 1: Introduction to Gene Drive and Synthet	ic Biology	
Time	Торіс	Presenter(s)	Session Chair
8.00	Registration	NBA Kenya	Prof Ogoyi
8.15	Welcome remarks	 Welcome Remarks: Dorrington Ogoyi, Kenya Dr Silas Obukosia, Representative from NEPAD Dr Margaret Karembu, ISAAA Mrs. Gertrude Ngabirano, Executive Secretary, EAC Science and Technology Commission. 	Willy Tonui
9.00	Purpose of Meeting and Pre-conference surveys	Willy Tonui	
9.30	Introduction to gene drive technology and applications. This presentation reviewed the basics of gene drives, a comparison and contrast to GM and gene editing, and highlight the range of potential applications.	Dave O'Brochta	
10.30	Introduction to Synthetic Biology and applications. This presentation reviewed the basics of Synthetic Biology (SYNBio), a comparison and contrast to GM and highlight the range of potential applications.	Douglas Miano	
11.00	Tea Break (Photo Session)		
	n 2: Regional Strategies and Pathways for R etic Biology	Research and Status of Development of	Gene Drives a
11.30	Regional policies and strategies for gene drive and Synthetic Biology Applications in Africa. This presentation reviewed AU's Position on Gene Drive and Emerging Technologies and the Report on Gene	Silas Obukosia, AU/NEPAD	Charles Mugoya

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12.00	Drives for Malaria Control and Elimination in Africa. It will describe plans by the Africa Union towards development of a regional approach to regulating new technologies (gene drive and Synthetic technology) in Africa. Guidance Framework for testing genetically modified (GM) and Pathway to Deployment of Gene Drive Mosquitoes as a Potential Biocontrol Tool for Elimination of Malaria. This presentation reviewed WHO guidance framework that aims to foster quality and consistency among processes for testing and regulating new genetic technologies by proposing standards of efficacy and safety testing comparable to those used for trials of other new public health tools. This presentation will also review potential steps to be considered during field testing and release of gene	Hector Quemada	
	drive mosquitoes.		
12.45	LMOs and Synthetic biology in the	Wadzi Mandivenyi,	
	context of the Cartagena Protocol Risk Assessment Guidance. This session		
	reviewed the risk assessment process as		
	described in Annex III of the Cartagena		
	Protocol, in relation to risk assessment of		
	LMOs and synthetic biology.		
13.15	Lunch Break		
Session	n 3: Status of National Regulatory Framewo	orks for Development of Gene drives an	d Synthetic
Biolog	y		-
14.00	Implementation of a Biosafety	Country presentations	Prof Yaye
	Regulatory Framework in Countries. This	• Eric Okoree- Ghana,	Kene Gassama
	session provided an opportunity for	 Prof Ogoyi-Kenya, 	
	regulators from countries with	Lillian Chimphepo- Malawi,	
	functioning Biosafety frameworks to	 Mama Daarra -Mali 	
	share existing country laws and past	 Anabela Tivana -Mozambique 	
	experience on vector control, biocontrol,	 Kotchikpa Okoumassou -Togo, 	
	GM mosquitoes and steps being	• Prof. Martha K. Schulz –	
	considered on new technologies (gene	Namibia	
	drive, gene editing and synthetic biology) and Preparation for COP-MOP.	Charles Mugoya- Uganda	

		 Prof. Dr. Asim F. Abu Sarra-Sudan Bongane Nkhabindze, Swaziland Dr Tesfaye Disasa, Ethiopia Ntakadzeni Tshidada- South Africa Lackson Tonga- Zambia Dr. Jonathan Mufandaedza- Zimbabwe Khaled Hashem Radwan- Egypt Andrew Kobogo - Rwanda 	
Session	n 4: Regulatory Activities and Consensus bu		
17.00	Group discussions. This session provided an opportunity for participants to discuss potential ways of working together to develop a decision-making process on new technologies (gene drive technology,	Participants to break into groups and select Team leaders and Rapporteurs.	Mrs Gertrude Ngabirano
	Gene Editing and Synthetic Biology) in their respective countries.	Willy Tonui and Margaret Karembu assisted the teams.	
18.00	Group presentations and consensus building on gene drive and Synthetic Biology. Session provided an opportunity for Team leaders to present their group discussions.	Group leaders and Rapporteurs.	
19.00	Dinner and Key note Speaker: Prof Yaye Kene Gassama ; Moderator : Dr Margaret Karembu Prof Yaye Kene Gassam is a professor of Plant Biotechnology at the University Cheikh Anta Diop in Dakar, Senegal. She is the current chair of the High-Level Panel for Emerging Technologies (APET) African Union Commission /NEPAD, which she initially co-chaired with late Prof Calestous Juma. She is also a former Minister for Scientific Research of Senegal (first woman to hold the position), chair of the Fundamental Applied Sciences and Innovation and the vice-chair of Senegal's National Academy of Science and Techniques.		
	Regulatory and Regional Processes and CO		
Session Time	n 5: Institutional Readiness for Gene Drive a Topic	nd Synthetic Biology in Africa Presenter/s	Session Chair
8:00	Status of Scientific, Institutional and Ethical Review Committees in Target Research Organizations. This session provided an opportunity for representative International and National Research Institutions in Africa to share	 Etienne Bilgo- IRSS, Burkina Faso, Rasha Adam Omer- BBRC, Sudan Agapitus Kato- UVRI, Uganda, Damaris Matoke Muhia -KEMRI, Kenya 	Silas Obukosia

10.00	their capacities for and experience with scientific, ethical and biosafety review of research projects. Discussions relating to gene drive,	 Mamadou Coulibaly – USTTB,Mali Fredros Okumu – Ifakara, Tanzania Paul Kazyoba -NIMR, Tanzania Mohammed Ishiyaku, IAR, Nigeria (10 mins each) Karen Hokanson 	
	SynBio, and risk assessment at the COP- MOPs. A review of the discussions relating to gene drive, SynBIo and risk assessment at the last COP/MOP in Cancun and anticipated at the next COP/MOP Sharm el Sheikh		
10:45	Tea Break		Γ
11.15	Socio-economic Considerations in decision making: Update on discussions at the COP-MOPs. This session provided an opportunity for an update on Socio- economic considerations under COP-MOP	Sam Timpo	Hector Quemada
11.45	Discussions relating to gene drive, SynBlo, risk assessment, and socioeconomics at COP13/MOP8/MOP2 in Cancun, and the Africa Group positions at that meeting.	Discussants: Eric Okoree, Wadzi Mandivenyi, Sam Timpo	
12:15	Introduction to the procedures of COP/14/MOP9/MOP3. This session introduced delegates, especially new ones, to the flow of activities at COP/MOP, to demystify the events that will take place. What happens at plenary sessions? What are working groups? What are contact groups? etc. Other participants will gain understanding of the decision-making process.	Discussants: Eric Okoree, Wadzi Mandivenyi, Sam Timpo	
13:00	Lunch Break		
	n 6: Developing COP-MOP Consensus Position	ons	
14:00	Developing positions on the issues relevant to gene drive and Synthetic Biology. In this Plenary session, the issues relevant to gene drive that will be agenda items at COP/MOP were discussed and	All Focal Points Discussants (Hector Quemada, Scott Shore)	Rachel Shibalira

	participants considered possible positions on those issues.			
16.00	Planned Gene Drive Regulatory Consultative Workshops. Session discussed curricula development and future training on Gene Drive, by NEPAD and Danforth Center.	Scott Shore		
16.30	Plenary Session to discuss way forward on future regional activities on gene drive and Synthetic Biology and selected agenda items. This Plenary Session provided an opportunity to discuss future regional activities, opportunities for collaborations and partnerships on gene drive in Africa.	All		
17.00	Final discussions and commitment to action on gene drive and Synthetic Biology in Africa. In this Plenary session, the Heads of Regulatory and Institutions provided the way forward on gene drive in Africa through a Communique.	Discussants Regulatory agency CEOs: Charles Mugoya, Dorrington Ogoyi, Eric Okoree, Jonathan Mufandadaedza, and other Heads of Institutions discussed a communiqué.		
17.30	Preparing and Next steps for COP-MOP 2018- Logistics, Communication etc	Margaret Karembu		
18.00	Post conference surveys, and closing	All	NBA, EASTECO, NEPAD, and ISAAA	
18.30	Announcements and Adjourn	NBA		
	END OF SUMMIT			