

DRONE USERS CONFERENCE IN CONSERVATION & AGRICULTURE

19-20 NOVEMBER, ELSENBURG R44

MORNING DAY 1

Duration	Activity	Speaker	Affiliation
08:30 - 09:00	30	Arrival of delegates, registration and tea	All
09:00 - 09:20	20	Conference opening	Premier or Minister Western Cape
09:20 - 09:35	15	Welcoming by UNDP	UNDP
09:35 - 09:40	5	Programme Outline and Conference Logistics	Facilitator WC Department of Agriculture
		Session 1: Wildlife conservation and monitoring	
		<i>Faciliator: Cobus Theron, EWT</i>	
09:40 - 10:05	25	Keynote address: Conservation drones to monitor wildlife and their habitat	Serge Wich John Moores University of Liverpool
10:05 - 10:20	15	Unmanned Aerial Vehicles for monitoring threatened penguin populations	Deon Geldenhuys CapeNature
10:20 - 10:35	15	tbc	tbc
10:35 - 10:45	10	Question session	All
10:45 - 11:05	20	Tea break	
		Session 2: Drones for innovation	
		<i>Faciliator: Ilse Trautmann, WCDoA</i>	
11:05 - 11:25	20	Invited talk: Drones in 4IR	Albert Strever Stellenbosch University
11:25 - 11:45	20	Invited talk: To boldly drone	Louise Jupp Terreco aviation
11:50 - 12:05	15	Onboarding the 4th IR within a government department	Dirk Troskie WCDoA
12:05 - 12:20	15	The development of a remotely-piloted aircraft mechanism for making overhead powerlines in South Africa	Mattheus Pretorius EWT
12:20 - 12:30	10	Question session	All
		Session 3: Droners of the future	
		<i>Faciliator: Dirk Troskie</i>	
12:30 - 12:45	15	Engaging the Future – Drones in Education 4.0	Judi Sandrock Xinabox
12:45 - 13:00	15	AREND- an international drone research platform	Suné Hamman University of Pretoria
13:00 - 13:15	15	"Drones for Good" on the African continent	Johnnie Miller africanDRONE
13:15 - 13:25	10	Question session	

13:25 14:25 60

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AFTERNOON DAY 1

Duration	Activity	Speaker	Affiliation
		Session 4: Drones as monitoring tools for natural resource management	
		<i>Faciliator: Lehman Lindeque, UNDP</i>	
14:30 - 14:45	15	Using drones for research in the Department of Agriculture in the Western Cape	Arie van Ravenswaay WCDoA
14:45 - 15:00	15	Mapping woody cover in the D'Nyala Nature Reserve with the aid of UAV data	Dirk Pretorius SMC-Synergy
15:00 - 15:15	15	Droning in the Fynbos Biome	Mark Heistein CapeNature
15:15 - 15:30	15	Designing randomized vegetation monitoring protocols for repeat drone photography	Cobus Theron EWT
15:30 - 15:45	15	Drone deployment in human settlement monitoring	John Monk CSIR
15:45 - 15:55	10	National tool for monitoring natural resources	Zoë Brocklehurst Wild Trust
15:55 - 16:15	20	Question & discussion session	All
16:15 - 16:30	15	Tea break	
		Session 5: Regulation barriers and enablers	
		<i>Faciliator: Ilse Trautmann, WCDoA</i>	
16:30 - 16:45	15	Invited talk: Regulate to elevate	Louise Jupp Terreco aviation
16:45 - 17:00	15	Invited talk: Working with the CAA, not against them	Robert Britz Heli-X Charters
17:00 - 17:30	30	Interactive discussion on barriers to innovation	All

17:30 - 18:30 60

Drone demonstrations with light refreshments and wine

18:30 - End

Outdoor evening spitbraai

MORNING DAY 2				
Duration	Activity	Speaker	Affiliation	
08:30 - 09:00	30	Morning tea and registration		
<i>Session 6: Case studies for assessing agricultural productivity</i>			<i>Faciliator: Ilse Trautmann, WCDoA</i>	
09:00 - 09:20	20	Invited talk: Thermal imaging in Viticulture	Carlos Poblete-Echeverria	Stellenbosch University
09:20 - 09:35	15	Use of RPA based spectral imagery in agricultural management	Annette Swanepoel	NC DALRRD
09:50 - 10:05	15	Use of drones for extensive farming in the Central Karoo	Lukas Botes	Farmer, Laingsburg
10:05 - 10:20	15	Droning in livestock farming- animal behaviour and security applications	Déan Gous	Agri Sentraal Karoo
10:20 - 10:35	15	<i>Question & discussion session</i>	All	
10:35 - 11:00	30	<i>Tea break</i>		
<i>Session 7: Creating an enabling environment for innovation under regulation</i>			<i>Faciliator: Lehman Lindeque, UNDP</i>	
11:00 - 11:30	30	Invited guest talk: CAA	CAA	CAA
11:30 - 11:45	15	<i>Questions</i>	All	
11:45 - 12:45	60	<i>Facilitated group discussions on creating an enabling environment for innovation & developmer</i>	All	

12:45 - 13:45 60 **L u n c h**

AFTERNOON DAY 2				
Duration	Activity	Responsibility	Affiliation	
13:45 - 14:15	30	Feedback from group dicussions	All	
14:15 - 15:00	45	Conference resolutions and way forward	All	
15:00 - 15:15	30	Lucky draws	All	
15:15 - 15:25	10	Conference thanks	Facilitator	
15:25 - 15:45	20	Conference closure	EWT	EWT