

## **RE-THINKING IEM IN PURSUIT OF THE** SUSTAINABLE DEVELOPMENT GOALS

17 – 19 August 2021

# **CONFERENCE PROGRAMME**

## **SUB THEMES**

**BIOPHYSICAL PILLAR** 

THESDAY - 17 AHGHST 2021

#### **ECONOMIC PILLAR**

#### **SOCIAL PILLAR**

THURSDAY - 19 AUGUST 2021

TUESDAY – 17 AUGUST 2021		WEDNESDAY – 18 AUGUST 2021		THUKSDAY – 19 AUGUST 2021	
SUB-THEME 1	SUB-THEME 2	SUB-THEME 3	SUB-THEME 4	SUB-THEME 5	SUB-THEME 6
Sustainable ecosystems and resources; promotion, protection, and rehabilitation	Climate change; resilience, adaptation	Environmentally sustainable low carbon and circular economies	Sustainable economic development; industry, infrastructure, and cities	Sustainable social communities	Improved governance, social justice, and policies
6 CLEAN WATER AND SANITATION 14 LIFE BELOW WATER 15 ON LAND	13 CLIMATE 7 AFFORDABLE AND CLEAN ENERGY	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	8 DECENT WORK AND 9 INDUSTRY, INNOVATION 11 SUSTAINABLE CITIES AND INFRASTRUCTURE 11 AND COMMUNITIES	3 GOOD HEALTH AND WELL-BEING  1 NO POVERTY  2 ZERO HUNGER	16 PEACE, JUSTICE AND STRONG INSTITUTIONS  5 GENDER 10 REDUCED INEQUALITY  10 REDUCED INEQUALITY  11 PARTINERSHIPS FOR THE GOALS  12 PARTINERSHIPS FOR THE GOALS  13 PARTINERSHIPS FOR THE GOALS  14 PARTINERSHIPS FOR THE GOALS  15 PARTINERSHIPS FOR THE GOALS  16 PEACE, JUSTICE  17 PARTINERSHIPS  18 PARTINERSHIPS  18 PARTINERSHIPS  18 PARTINERSHIPS  19 PARTINERSHIPS  10 PARTINERSHIPS  11 PARTINERSHIPS  12 PARTINERSHIPS  12 PARTINERSHIPS  13 PARTINERSHIPS  14 PARTINERSHIPS  15 PARTINERSHIPS  16 PARTINERSHIPS  17 PARTINERSHIPS  17 PARTINERSHIPS  18 PA
Is life below water – rivers and ocean, and on land adequately preserved through IEM, and is clean water and sanitation assured?  Are we achieving the conservation of resources, the protection of biomes and endangered species and restoration/ rehabilitation of degraded land through IEM?  Is IEM delivering the desired mitigation of impacts to restore the ecological integrity of natural resources and environmental assets?	Is IEM contributing to, 'climate action', and 'affordable and clean energy'?  Does IEM facilitate resilience, adaptation, and mitigation interventions against the effects of climate change?  Is IEM delivering a reduction in impact of climate change, risk mitigation, disaster responses and the deployment of innovative technologies to combat the effects of climate change?	Is IEM contributing to responsible production and consumption of resources with minimal waste generation?  Is IEM promoting a just transition to renewable energy sources, considering a circular economy, resource efficiency, and impacts on the environment?  How will IEM help with solving future demands for scarce minerals?	How will IEM promote, 'decent work and economic growth'?  Is IEM promoting innovative sustainable ideas in industry, infrastructure and city and urban development projects?  Are nature-based and ecological engineering solutions being considered?	Is IEM promoting sustainable and resilient social communities?  How does IEM promote, 'no poverty', 'zero hunger', 'good health and well-being', and 'quality education'?  Are environmental impacts, which ultimately impact communities significantly reduced or mitigated through IEM?	Are existing IEM reporting, methods, tools, policies, and legislation enabling sustainable governance and promoting social justice? Does IEM take cognisance of all affected individuals?  Is capacity, implementation, compliance enforcement, monitoring and evaluation actions aiding the pursuit of SDGs?  Is IEM actively promoting local and international partnerships and multi-disciplinary integration to achieve SDGs, not a silo approach?





# forestry, fisheries & the environment

Department:

Forestry, Fisheries and the Environment REPUBLIC OF SOUTH AFRICA









### **CONTACT**



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TIME	MONDAY – 16 AUGUST 2021
18:00-20:00 (120 min)	MEET N GREET: Hosts - Dr Ilse Aucamp and Ntsako Baloyi
ENTERTAINMENT	

TIME	TUESDAY – 17 AUGUST 2021			
8:00-8:15 (15 min) <b>OPENING</b>	Conference Opening: IAIAsa President - Rethabile Mbokodi Young Champion - Zenaria de Villiers			
8:15-8:45 (30 min) OPENING KEYNOTE SPEAKER	DR AYODELE ODUSOLA, United Nations Development Programme, South Africa, Resident Representative, "Sustainable Development Goals: Inequality".			
8:45-8:50 (5 min) <b>THANKS</b>		Thanks: Rethabile Mbokodi		
		BIOPHYSICAL PILLAR		
8:50-08:55 (5 min) INTRODUCTION		oduction: Biophysical Pillar and Lo Session Chair - Dr Patrick Sithole oung Champion - Zenaria de Villie		
8:55-9:25 (30 min) <b>LEAD SPEAKER: SUB-THEME 1</b>	"The Environment, Biodive	EDZI, South African National Biodiersity and Climate Challenges we nvironmental Management in PuDevelopment Goals".	face in 2021 as we attempt	
9:25-9:55 (30 min) LEAD SPEAKER: SUB-THEME 2		PROFESSOR COLEEN VOGEL, Global Change Institute, University of the Witwatersrand,  "Getting to the heart of climate change - the role of science, practice and engagement".		
9:55-10:00 (5 min) <b>THANKS</b>		Thanks: Dr Patrick Sithole		
10-00-10:05 (5 min)		Break Into Sessions		
10:05-10:10 (5 min) INTRODUCTION	Track 1  Session Introduction: Session Chair - Reneé Kruger Young Champion - Curtley Tonkin	Track 2  Session Introduction: Session Chair - Sabelo B Nkosi Young Champion - Helen Antonopoulos	Track 3  Session Introduction Session Chair - Nicholas Arnott Young Champion - Charlton Thys	
10:10-10:25 (15 min) TED-TALK	DR DEE FISCHER  Department of Forestry, Fisheries and Environment, "Hydraulic Fracturing: A Pilot for an Integrated Environmental Authorisation Process".	DR GABI TEREN Endangered Wildlife Trust, "Biodiversity footprint accounting: the Biological Diversity Protocol Tool".	DR MLUNGELE NSIKANI South African Biodiversity Institute, "Decade on Ecosystem Restoration: What does it mean for South Africa? ".	
10:25-10:40 (15 min) LIGHTNING TALK	Environmental Education Trust, "Can EIA Processes Support Conservation?".	CHIMWEMWE ROBERTA MHANGO Independent Researcher, "Are We Achieving the Conservation and Protection of Endangered Species and their Restoration through Integrated Environmental Management: The Case of Southern Africa".	LETLHOGONOLO TSOAI South African Wind Energy Association, "An Overview of the South African Energy Sector and its Role in Climate Adaptation through Reduced Carbon Emitting Technologies".	
10:40-10:45 (5 min) <b>THANKS</b>	Thanks: Reneé Kruger	Thanks: Sabelo B Nkosi	Thanks: Nicholas Arnott	
10-45-10:55 (10 min)		Comfort Break		
10:55-11:00 (5 min) INTRODUCTION	Session Introduction: Session Chair - Reneé Kruger Young Champion - Curtley Tonkin	Session Introduction: Session Chair - Sabelo B Nkosi Young Champion - Helen Antonopoulos	Session Introduction Session Chair - Nicholas Arnott Young Champion - Charlton Thys	
11:00-11:20 (20 min) ORAL	PAUL LEE Umvoto Africa (Pty) Ltd., "Groundwater in Pursuit of Achieving the Sustainable Development Goals".	KHANGWELO DESMOND MUSETSHO (PhD) Naledzi Environmental Consultant. Coauthors: Prof. Munyaradzi Chitakira and Prof. Willem Nel, "Valuing Ecosystem Services Associated with a Strategic Water Source Area: A Case of the Mphaphuli Community, South Africa".	BRYONY WALMSLEY Southern African Institute for Environmental Assessment, Cape Town, "Climate Change Assessment: Is EIA Fit for Purpose".	
11:20-11:40 (20 min) ORAL	GEMMA BLUFF Umvoto Africa. Co-authors: Paul Lee, "The Cape Flats, South Africa in Relation to Managed Aquifer Recharge".	TANDI BREETZKE  Coastwise Consulting. Co-authors: Catherine Meyer, "Is it Possible to Improve the Quality of the Water in the iKongeni Estuary? That is the Question".	PHILIPPA BURMEISTER  SRK Consulting. Co-authors: Ashleigh Maritz, "Climate Change [in] Impact Assessment, Requirements, Reduction and Risks".	
11:40-12:00 (20 min) ORAL	LIONNEL NDEBA Umvoto Africa (Pty) Ltd. Co- authors: Paul Lee, "Atlantis in Relation to Managed Aquifer Recharge".	MICHAEL LAMBRECHT University of Cape Town. Co-authors: Merle Sowman and Kirsten Day, "A Preliminary Investigation into the Accuracy and Utility of the Department of Forestry, Fisheries, and Environment's Screening Tool, South Africa".	MICHAEL VAN NIEKERK SLR Consulting. Co-authors: Ed Perry, "Real World Application of Climate Change Risk Assessments".	
12:00-12:20 (20 min) ORAL	DAMIAN HANS Umvoto Africa, Co-authors: Paul Lee, "Hermanus Conjunctive Groundwater Use Case".	DR DOMINIC HENRY Endangered Wildlife Trust. Co-authors: Dr Ian Little, "Endangered Wildlife Trust Threatened species No-go Areas Online Tool".	BARRY WIESNER  Amathemba Environmental  Management Consulting, Cape Town, "Size Matters: Carbon Footprint Assessment in Impact Assessment to Mitigate Climate Change"	

Change".

12:20-12:40 (20 min) <b>ORAL</b>	JEANNE-LOUISE WIESE Zutari (Pty) Ltd, Cape Town, "Striking the Balance: The Table Mountain Group Aquifer Story".	DR OLIVER COWAN Endangered Wildlife Trust. Co-authors: Dr Dominic Henry and Dr Ian Little, "The Implementation of the Environmental Screening Tool Boosts Conservation of Cryptic Species of Conservation Concern - A Case Study on Golden Moles".	DR STEVEN MATHETSA Eskom, "water-centric Approach in Assessing the Water-Energy- Climate Change Nexus in South Africa".
12:40-12:45 (5 min) <b>THANKS</b>	Thanks: Reneé Kruger	Thanks: Sabelo B Nkosi	Thanks: Nicholas Arnott
12:45-13:00 (15 min)	Comfort Break		
13:00-14:00 (60 min) PANEL DISCUSSION	"THE OPPORTUNITIES AND LIMITATIONS OF BIODIVERSITY OFFSETS AND ECOLOGICAL MITIGATION IN SUPPORTING SDGS". Chair: Inba Pillay; Panelists: Amrei Von Hase, Marthán Theart, Mark Botha, Susie Brownlie and Milicent Solomons		
14:00-15:00 (60 min) PANEL DISCUSSION	"RENEWABLE ENERGY: ARE STANDARD IEM PROCEDURES SUFFICIENT FOR ADDRESSING THE SECTOR'S IMPACTS AND MEETING SDGS? WEIGHING UP PRACTICAL AND INNOVATIVE MEASURES". Chair: Rebecca Thomas; Panelists: Babalwa Mbobo, Samantha Ralston-Paton and Liandra Scott-Shaw		
18:00-20:00 (120 min) <b>ENTERTAINMENT</b>	GALA EVENING: Hosts - Sharon Meyer and Sandile Nkomonde		

	WE	WEDNESDAY – 18 AUGUST 2021			
TIME		ECONOMIC PILLAR			
8:00-08:05 (5 min) INTRODUCTION	Session Introduction: Economic Pillar and Lead Speakers  Session Chair - Abulele Adams  Young Champion - Aaliyah Shah				
8:05-8:35 (30 min) <b>LEAD SPEAKER: SUB-THEME 3</b>		N-CLAIR, Trade & Industry Policy Growth, "Policies for a Just (Ene Africa".			
8:35-9:05 (30 min) LEAD SPEAKER: SUB-THEME 3		MANDY RAMBHAROS, Eskom, General Manager - Just Energy Transition, "Eskom's Just Energy Transition Strategy - Opportunities for Low Carbon, Socially Inclusive Growth & Local Industrialisation".			
9:05-9:35 (30 min) LEAD SPEAKER: SUB-THEME 4	HASTINGS CHIKOKO, C40 Cities, Managing Director of Regions and Mayoral Engagement & Regional Director for Africa, "Sustainable Cities for People: The Case of C40 Inclusive Climate Action and Just Transition in African Cities".				
9:35-9:55 (20 min) INFORMATION SESSION		cs South Africa, "Sustainable Dev ures and the Integrated Indicato	•		
9:55-10:00 (5 min) <b>THANKS</b>		Thanks: Abulele Adams			
10-00-10:10 (10 min)	Break Into Sessions				
	Track 1	Track 2	Track 3		
10:10-10:15 (5 min) INTRODUCTION	Session Introduction: Session Chair - Jurie Moolman Young Champion - Sibabalwe Kwanina	Session Introduction: Session Chair - Robyn Mellett Young Champion — Austin Sharkey	Session Introduction Session Chair - Lehlogonolo Mashego Young Champion - Buhle Malatjie		
10:15-10:30 (15 min) <b>TED-TALK</b>	SALLY-ANNE KASNER Circular-Vision, "Circular Economy from an African Perspective: Imagine the Opportunities".	CARLA HUDSON Impact Catalyst, "Facilitating Sustainable Closure through a Circular Green Economy to ensure a Just Transition in the Mpumalanga Coal Fields".	KEVIN TARR-GRAHAM  NUS Consulting Group, "Examining Carbon Reporting, Low Carbon Mechanisms and the use of a Cost of Carbon in the Management Decision Processes".		
10:30-10:35 (5 min) <b>THANKS</b>	Thanks: Jurie Moolman	Thanks: Robyn Mellett	Thanks: Lehlogonolo Mashego		
10:35-10:45 (10 min)		Comfort Break			
10:45-10:50 (5 min) INTRODUCTION	Session Introduction: Session Chair - Jurie Moolman Young Champion - Sibabalwe Kwanina	Session Introduction: Session Chair - Robyn Mellett Young Champion — Austin Sharkey	Session Introduction Session Chair - Lehlogonolo Mashego Young Champion - Buhle Malatjie		
10:50-11:10 (20 min) ORAL	KEVAN ZUNCKEL Zunckel Ecological and Environmental Services, Hilton, KwaZulu-Natal. Co-authors: Karen Zunckel, "The Critical Role Nature Plays in Underpinning Societal Resilience".	GLENN DALE  Verterra Ecological Engineering, Co- authors: L. McCallum, B. Silverwood, C. Bingham, and J. Bennett, "A Decision  Support Tool for Improved Performance of Mined-land Rehabilitation by Digital Environmental Sensing and Bayesian Modelling".	NOLUBABALO NTUNZI AGES Omega. Co-authors: Andre Roets and Philip Venter, "Disposal of Sewage Sludge from Wastewater Treatment Works within the Buffalo City Metropolitan Municipality".		
11:10-11:30 (20 min) ORAL	NICOLA KING  Natural Capital Consulting (Pty) Ltd. and Sustento Development Services (Pty) Ltd. Co-authors: Xolani Dlamini and Melanie Wilkinson, "The Environmental, Social, and Economic Impact of Water Consumption and Wastewater in the Tourism	GINA MARTIN Jones & Wagener, "From Cradle to Grave - the EAPs Role in Mine Planning and Closure".	IVAN REUTENER Royal HaskoningDHV, "Integrated Mobility and Policy for a Highly Effective City".		

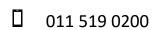
**Industry in South Africa".** 

11:30-11:50 (20 min) ORAL	CELIA PRETORIUS University of South Africa. Co- authors: Prof. Jan-Albert Wessels and Prof. Kevin Mearns, "Measuring Management Perceptions of Responsible Tourism Development as an IEM Approach in SANParks in Support of the SDGs: Learning from the Kruger National Park".	LARA TENDERINI Jones & Wagener. Co-authors: Gina Martin and Jacqui Hex, "The Value of An Experienced Environmental Control Officer and Early Communication in Ensuring the Implementation of EIA Mitigation Measures in a Mining Case Study".	FRANCINI VAN STADEN Directorate: Sustainability Department of Environmental Affairs & Development Planning, Western Cape. Co-authors: Prof. Francois Retief, "Exploring the Economic Growth-impact Assessment Nexus: Theory and Practice".	
11:50-12:10 (20 min) ORAL	JESSICA BADENHORST Jones & Wagener. Co-authors: Dr Gareth Simpson, "Mechanisms for Integrating the Water-Energy- Food-Ecosystem Nexus into Integrated Environmental Management: A Mpumalanga Case Study ".	MIKE O'KANE Okane Consultants. Co-authors: Miriam Clark, Terryn Kuzyk, and Joel Steeves, "Mine Affected Lands Climate Adaptation and Returning Land Use".	KATHY TAGGART Jones & Wagener. Co-authors: Lara Tenderini, "Pro-active Legal Application for an Emergency Mine Subsidence Situation".	
12:10-12:30 (20 min) ORAL/ LIGHTNING TALK	YOLANDI SCHOEMAN Centre for Environmental Management, Faculty of Natural and Agricultural Sciences, University of the Free State. Co- authors: Prof. Paul Oberholster and Prof. Vernon Somerset, "A Zero-waste Multi-criteria Decision-support Model for the Iron and Steel Industry in Developing Countries: A Case- study".	TARYN BIGWOOD Southern Africa Energy Program, "Meeting Clean Energy Targets through Renewable Energy - Net Zero Carbon Emissions".	KIRSTEN DAY University of Cape Town, "From Mathematical Probability to Social Phenomenon: Re-interpreting Risk for IEM".	
12:30-12:35 (5 min) <b>THANKS</b>	Thanks: Jurie Moolman	Thanks: Robyn Mellett	Thanks: Lehlogonolo Mashego	
12:35-12:50 (15 min)		Comfort Break		
12:50-13:50 (60 min) PANEL DISCUSSION	"ECOLOGICAL ENGINEERING EDUCATION: TOWARDS LOW CARBON TECHNOLOGIES", Co-chairs: Dr Vanessa Weyer and Jessica Badenhorst, Panelists: Dr Glenn Dale, Professor Alexandros Stefanakis, Associate Professor Jennifer Broadhurst, Yolandi Schoeman and Kirthi Chetty			
13:50-14:50 (60 min) PANEL DISCUSSION	"DECARBONIZATION AND RENEWABLES: NEW ENVIRONMENTAL IMPACTS TO MITIGATE", Co-chairs: Dr Vanessa Weyer and Jessica Badenhorst, Panelists: Gaylor Montmasson-Clair, Professor Jennifer Broadhurst, Jessica Edwards, Mike O'Kane and Taryn Bigwood			
14:50-15:20 (30 min) STEWARDSHIP	STEWARDSHIP: Hosts - Abulele Adams and Monique Sham Young Champion - Nkosinathi Sithole			

	THURSDAY – 19 AUGUST 2021			
TIME	SOCIAL PILLAR			
8:00-08:05 (5 min) INTRODUCTION	Session Introduction: Social Pillar and Lead Speakers Session Chair - Greg Beyers Young Champion - Nkosinathi Sithole			
8:05-8:35 (30 min) LEAD SPEAKER: SUB-THEME 5	PAUL SCHERZER, E&D Consulting Services, "Invisible, Food In-Secure and Informal – how do we learn to 'see' these community I&APs and mitigate impacts in a way that contributes to the first four Sustainable Development Goals".			
8:35-9:05 (30 min) <b>LEAD SPEAKER: SUB-THEME 6</b>	AMANDA VAN REENEN, Department of Forestry, Fisheries and Environment, Director: Legal Support NEMA, "Linking Environmental Policy and Legislation to SDGs: Progress and Challenges".			
9:05-9:10 (5 min) <b>THANKS</b>	Thanks: Greg Beyers			
9:10-9:15 (5 min)		Break Into Sessions		
	Track 1	Track 2	Track 3	
9:15-9:20 (5 min) INTRODUCTION	Session Introduction: Session Chair - Greg Beyers Young Champion - Valentine Mhlanga	Session Introduction: Session Chair - Zinhle Dlamini Young Champion - Sibabalwe Kwinana	Session Introduction Session Chair - Riona Patak Young Champion - Austin Sharkey	
9:20-9:35 (15 min) <b>TED-TALK</b>	SUNDAY MABASO Vahlengwe Mining Advisory and Consulting, "Legacy Mine Planning prior to EIAs and consequences thereof: Importance of SLPs".	NOELEEN GREYLING Impact Catalyst, "What could the partnership between companies committed to socio-economic change and government mean for the communities of South Africa: A view from the Impact Catalyst".	DR KAREN NORTJE  CSIR, "Drivers, pressures, states, and impacts - as the traffic of sustainability rhetoric grows, how do we make narrative count?"	
9:35-9:50 (15 min) LIGHTNING TALK	DANIELLE SANDERSON Envital - Social and Environmental Consulting, "Integrated Engagement for Improved Sustainability".	PHILIP DUKAS  Adaptera Strategic Support Services. Coauthors: Prof. Angus Morris-Saunders,  "To what degree are South African companies adopting the SDG implementation targets, and what are some of the drivers and/or barriers they face?"	JANICE TOOLEY ALL RISE Attorneys for Climate and Environmental Justice, "Effective and Informed Public Participation - isiZulu Guide to EIA".	

09:50 -9:55 (5 min)	Thanks: Greg Beyers	Thanks: Zinhle Dlamini	Thanks: Riona Patak
<b>THANKS</b> 9:55- 10:05 (10 min)		Comfort Brook	
		Comfort Break	
10:05-10:10 (5 min) INTRODUCTION	Session Introduction: Session Chair - Louise Agenbag Young Champion - Valentine Mhlanga	Session Introduction: Session Chair - Zinhle Dlamini Young Champion - Sibabalwe Kwinana	Session Introduction Session Chair - Riona Patak Young Champion - Austin Sharkey
10:10-10:30 (20 min) ORAL/LIGHTNING TALK	DR WELLS UTEMBE Toxicology Department, National Institute of Occupational Health, Johannesburg. Co-authors: Dr Natasha Sanabria, "The Roles of Toxicology and Chemical Risk Assessment in IEM, Sustainable Economic Growth and Decent Work in South Africa".	HSIEN W. LOU University of South Africa. Co-authors: Prof. Kevin Mearns, "An Assessment of Sustainability Reporting on JSE-Listed Tourism and Leisure Companies using the Global Reporting Initiative".	GERHARD GERBER  Western Cape Department of Environmental Affairs and Development Planning. Co- authors: Ayub Mohamed, Zaahir Toefy and Paul Hardcastle, "The Need for IEM to Begin to Enable Responses That Are Proportional in Terms of Both the Urgency and the Extent of the Problems that Confront Us and that Accelerate the Achievement of the SDGs in South Africa."
10:30-10:50 (20 min) ORAL	KHANGWELO DESMOND MUTSTSHO (PhD) University of South Africa. Co- authors: Professor Munyaradzi Chitakira and Professor Willem Nel, "Mapping Land use and Land Cover Changes and Implications for Rural Communities: A Case of the Mphaphuli Community".	CAROLINE WALLINGTON Paragon +Impact. Co-authors: Brett Wallington, "First-of-a-kind +Impact SDG Grading Tool to Assist the IEM Sector in Agenda 2030".	JURIE MOOLMAN  North-West University. Co-authors: Mzukisi Noqhamza and Prof. Francois Retief, "Co-operative Governance for Sustainable Waste Water Treatment: A Myth or Reality?"
10:50-11:10 (20 min) ORAL	LISL PULLINGER & AMELIA VISAGIE SRK Consulting, "Intentional Investment for Social Change – Case Studies of an Asset-based Approach to Mining Community Development".	DR GREG SCHREINER CSIR, "What Can We Learn From Our Not-So-distant Cousin Called Scientific Assessment?"	VICTORIA NAPIER Sustainable Environmental Solutions. Co-authors: Sean O'Beirne, "Surviving a Near Death Experience: Managing a Fatal Flaw in the EIA Process".
11:10-11:30 (20 min) ORAL	JESSICA EDWARDS AND LISL PULLINGER SRK Consulting, "Developing and	LAURIKA HARILAL University of South Africa, "The role of ISO 14001:2015 in Enhancing IEM through Sustainable Self-governance: Lessons from the Durban Basin".	SEAN O'BEIRNE Sustainable Environmental Solutions, Co-Authors: Vici Napier, "Fatal Flaws: The Holy Grail of Impact Assessment or the Unrequited Pipe Dream of Detractors".
11:30-11:50 (20 min) ORAL	Measuring Sustainable and Resilient Mining Communities".	DR FALKO BUSCHKE University of the Free State, "How a Cohort of Early-career Environmental Professionals Prioritise the Principles in the National Environmental Management Act".	JOHN TIISETSO RANTIO  North-West University. Co-authors: Dr Germarie Vijoen and Prof Willemien du Plessis, "Critical Reflections on Environmental Authorisation Requirements at Defunct Underground Workings: Lessons from the Ezulwini-case".
11:50-11:55 (5 min) <b>THANKS</b>	Thanks: Louise Agenbag	Thanks: Zinhle Dlamini	Thanks: Riona Patak
11:55-12:10 (15 min)		Comfort Break	
12:10-13:10 (60 min) PANEL DISCUSSION	"THE SUSTAINABLE DEVELOPMENT GOALS IN PRACTICE: EXAMPLES FROM THE FIELD", Chair: Dr Ilse Aucamp; Panelists: Jules Newton, Dr Gomotsegang Fred Molelekwa, Lehman Lindeque and Justin du Toit		
13:10-14:10 (60 min) PANEL DISCUSSION	"RECENT CASE LAW AND DEVELOPMENTS RELEVANT TO SDGS IN SOUTH AFRICA'S IEM PROCESS AND TOOLS", Chair: Advocate Peter Kantor; Panelists: Tiisetso John Rantlo, Dr Angela van der Berg and Catherine Warburton		
14:10-14:20 (10 min)	Comfort Break		
14:20-15:20 (60 min) PANEL DISCUSSION	"FULFILLING MANDATES TOWARDS IMPROVED GOVERNANCE AND PROFESSIONAL STANDARDS", Chair: Jacqui Hex; Panelists: Snowy Makhudu, Sabelo Malaza, Dr Pradish Rampersadh, Rethabile Mbokodi and Dr Patrick Sithole		
15:20-15:40 (20 min) ACTION AGENDA	SUMMARY and IAIAsa 21 ACTION AGENDA  Dr Ilse Aucamp and Babalwa Fatyi		
15:40-16:00 (20 min) CLOSURE	Conference Closure: IAIAsa President - Rethabile Mbokodi and President Elect - Monique Sham		





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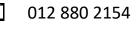
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