

# DRAFT 8

## PROGRAMME: IAIAsa NATIONAL CONFERENCE 2024 - ANEW Hunters Rest Hotel, Rustenburg

TIME	REGISTRATION AND COCKTAIL EVENING - 27 <sup>th</sup> August 2024
14h00-17h30	Registration - Hunters Rest Conference Facility
18h00-20h30	<b>Cocktail Evening: The Grove Theme – Chair: Monique Sham - ETAZA</b> <b>Venue: The Grove</b>
	Poster: Balancing biodiversity conservation and renewable energy: Should renewable energy projects be developed within National Protected Area Expansion Strategy focus areas? <b>Helen Antonopoulos - CSIR</b>
	Poster: Renewable Energy in Mpumalanga (South Africa) - On a Wing or a Prayer? <b>Gavin Cowden - DARDLEA</b>
	Poster: Closure of mines through an ESG lens <b>Natasha Smythe - SLR Consulting</b>
	Poster: The potential role of remote sensing and machine learning in water quality monitoring: A case study on the use of visible and near-infrared reflectance spectroscopy to predict heavy metal concentrations in the water and sediment of the uMngeni Estuary in KwaZulu-Natal, South Africa <b>Suvasha Ramcharan - CSIR</b>
	Poster: Challenges faced in Renewable Energy Cluster Projects <b>Andisiwe Mkhize - SLR Consulting</b>
	Poster: Assessment of Just Energy Transition impact to the vulnerable communities within the coal region of the Mpumalanga Province <b>Fezile Moyana - DARDLEA</b>
	Poster: Barriers and opportunities to the implementation of clean energy initiatives: a platinum mine case study <b>Nongaka Khaas - NWU</b>
	Poster: NEMA and Onshore Gas Exploration - sustainably making a square peg, fit a round hole <b>Theo Wicks - SLR Consulting</b>
	Poster: Challenges of Managing Resettlement: Lessons learned through a Socio-Economic Study of a resettled community <b>Nontethelelo Dlamini - SLR Consulting</b>
	Consideration of Waste Management Measures in EIA for Mining Developments <b>Bongo Stofile – NWU</b>
	Consideration of Water Management Measures in EIA for Developments in Protected Areas <b>Nolwazi Pertunia Shabangu - NWU</b>
	Entertainment Activity

**DAY 1: 28<sup>th</sup> August 2024**

TIME	DAY 1: 28 <sup>th</sup> August 2024			
06h00-07h00	Morning activities (Run/walk/hike/soccer/tennis, etc) - meet at conference entrance - Entertainment Committee Host			
08h00-09h00	<b>Plenary Session (Orchard Venue) - Chair: Sean O'Beirne</b>			
	08h00-08h05 (5 mins)	Conference Opening (President of IAIA) - Corné Niemandt		
	08h05-08h10 (5 mins)	Welcome (Conference Chair) – Tshinanne Mutshatshi – Eskom - National Transmission Company South Africa (NTCSA)		
	08h10-08h45 (35 mins)	<b>Keynote Address: Chief Executive Officer at South African National Biodiversity Institute (SANBI)</b> - Shonisani Munzhedzi		
	08h45-08h55 (10 mins)	Showcase Sponsor - ENVASS		
09h00-10h20	<b>Break away sessions (move to various breakaway rooms – 5 mins)</b>			
		<b>Session 1</b> Venue: Orchard Sub-Theme: Achieving Biodiversity Conservation/Protection Beyond the Regulatory Framework Chair: Mohlamatsane Mokhatla	<b>Session 2</b> Venue: The Chapel Sub-Theme: Harmony in Innovation Chair: Tshinanne Mutshatshi	<b>Session 3</b> Venue: The Grove Sub-Theme: Towards a Nexus Framework Chair: Khangwelo Musetsho
	09h00-09h20 (20 mins)	Developing a 30-by-30 Landscape Planning Tool for South Africa: balancing the need for conservation, agriculture and renewable energy. <b>Oliver Cowan - EWT</b>	Current and future risks of biodiversity loss through the analysis of land use land cover change and climate variability in South Africa. <b>Abel Ramoelo- UP</b>	Role-players negotiating the trade-offs in the WEFE nexus – A South African Perspective. <b>Daniella Kristensen - Jones &amp; Wagener (Pty) Ltd</b>
	09h20-09h40 (20 mins)	Integrated Water Resource and Environmental Management of Groundwater Development/Abstraction within Hermanus (Western Cape). <b>Kim Parker - Umvoto</b>	Discriminating Acacia species using EnMAP hyperspectral data. <b>King Matsokane - UJ</b>	Water, Energy and Food Nexus: A suitable tool for environmental sustainability. <b>Matilda Azong Cho - UP</b>
	09h40-10h00 (20 mins)	The application of Standards in pursuit of Sustainable Development. When is “Enough” Enough? <b>Richard Summers - Richard Summers Inc</b>	Updating the North West Integrated Land Cover derived from the Provincial Land Cover Change Detection Analysis (1990 – 2022). <b>Ray Schaller - DEDECT</b>	Integrating the Water-Energy-Food Nexus Framework with Environmental Impact Assessment in South Africa: Opportunities and Challenges. <b>Tiisetso John Rantlo - UP</b>

	<b>10h00-10h20 (20 mins)</b>	The Integration of Land Restoration and Biodiversity Conservation Practices in sustainable Food Systems of Africa: A Systematic Review. <b>Monde Rapiya - UP</b>	Implementation of the Environmental Planning mandate by NW DEDECT in support of Local Government. <b>Boitumelu Kunulu - DEDECT</b>	Impacts and interconnections within the population-environment-development nexus in St Francis Bay. <b>Anton de Wit - NMU</b>
<b>10h20-10h50</b>	<b>TEA BREAK (30 mins)</b>			
<b>10h50-13h05</b>	<b>Break away sessions</b>			
		<b>Session 4 Venue: Orchard Sub-Theme: Harmony in Innovation Chair: Abel Ramoelo</b>	<b>Session 5 Venue: The Chapel Sub-Theme: Connecting the Dots Chair: Alter Mavunda-Mbele</b>	<b>Session 6 Venue: The Grove Sub-Theme: Meeting the Regulatory Requirements Chair: Kashrina Sookraj</b>
	<b>10h50-11h10 (20 mins)</b>	Modelling of forest canopy cover using an integration of high-resolution aerial and satellite images through random forest machine learning method in Northern Botswana. <b>Theo Tsuaneng -UP</b>	Cape Flats Aquifer Management Scheme (CFAMS) as a system thinking city project that considers the SDGs and ESG for cross-cutting performance. <b>Gemma Bluff- Umvoto</b>	Mind the gap – Gaps between IA & Construction in renewable energy. <b>Barry Wiesner - Amathemba Environmental Management Consulting CC</b>
	<b>11h10-11h30 (20 mins)</b>	Introducing the Land-Use Decision Support Tool for Species of Conservation Concern (LUDS SCC) Tool and its potential use within the EIA process. <b>Oliver Cowan - EWT</b>	Comparative Analysis of Five African Traditional Multi-purpose Crops Applying the Food Systems Lens. <b>Sussy Munialo – UP (presented by Matilda Azong)</b>	Meeting the regulatory requirements (checking boxes) or achieving positive outcomes (EIA, AUDITING and EAs): The Nigerian Environment. <b>Ahmed Sanda - Ashawa Consults Limited</b>
	<b>11h30-11h50 (20 mins)</b>	The Role of Citizen Science in Innovative Data Collection Methods: Experiences from data collection on vulture electrocutions in the Stormberg and Cookhouse REDZs. <b>Sonto Mkize - CSIR.</b>	Regional Environmental Assessments: From conventional approaches to strategic focus and sustainability. <b>Moses Otim - BIMCO Consult Ltd/ SRK Consulting</b>	Managing the Impacts of a Green Hydrogen/Power-to-X Economy: An Environmental Assessment Guideline for South Africa. <b>Babalwa Mqokeli - CSIR</b>
	<b>11h50-12h10 (20 mins)</b>	Remote sensing and machine learning-based approaches to developing national vegetation cover products to inform policy development on biodiversity protection and conservation. <b>Mcebisi Qabaqaba – UP</b>	Challenges and Opportunities for Africa with the current ESG Frameworks. <b>Zama Mkhize - Clicks Group</b> <i>Lighting talk (15 mins)</i>	The Crucial Role of ECOs in Site-Specific Environmental Management for Groundwater Development. <b>Melissa Rankin - Umvoto</b>
	<b>12h10-12h30 (20 mins)</b>	The "Protectare" model. Application of novel Nature Credits in a South African context. <b>Sam Laurence - Global Restoration Partners</b>	"We Want Cash: Managing Cash Compensation to Avoid Negative Consequences on Resettlement Planning." <b>Jan-Anton Hough - Digby Wells</b>	Climate Change and Enforcement Trends. <b>Ayanda Msimang - Bowmans Gilfillan</b>

	<b>12h30-12h50 (20 mins)</b>	Winging it with Wind Farms: Bird Flyways in Mpumalanga. <b>Robyn Luyt – DARDLEA</b>	Biodiversity agenda and Taskforce on Nature-related Financial Disclosures (TNFD) <b>Julie Clarke - DBSA</b>	<b>Free slot</b>
	<b>12h50 -13h05 (15 mins)</b>	Citizens and amphibians: Testing the reliability of different citizen science databases in predicting South African frog species distributions. <b>Adriaan Van Straaten - DEDECT</b> <i>Lighting talk (15 mins)</i>	Exploiting the transformative potential systems thinking in integrating multi-disciplinary data <b>Magretha Pierce – Bioswitch</b> <i>Lighting talk (15 mins)</i>	
<b>13h05-14h00</b>	<b>LUNCH (55 mins)</b>			
	<b>Panels/Workshops</b>			
<b>14h00-15h30</b>	<b>14h00-15h30 (90 mins)</b>	<b>Session 7</b> <b>Venue: Orchard</b> Chair: <b>Paul Hardcastle - DEA &amp; DP</b> The Future of EMFs - what should change? <b>Panel Discussion</b>	<b>Session 8</b> <b>Venue: The Chapel</b> Chair: <b>Theunis Meyer – NW University</b> Reflections on the role of environmental auditing in unleashing the future of IEM. <b>Panel Discussion</b>	<b>Session 9</b> <b>Venue: The Grove</b> Chair: <b>Duduzile Sibiya - DARDLEA</b> Effectiveness of climate technologies assessment and planning on Just Transition. <b>Panel Discussion</b>
<b>15h30-16h00</b>	<b>TEA (30 mins)</b>			
<b>16h00-17h30</b>	<b>16h00-17h30 (90 mins)</b>	<b>Session 10</b> <b>Venue: Orchard</b> Chair <b>Abulele Adams - CSIR</b>  3F Fit for Future - Tailoring Impact Assessment to survive the test of time. <b>Panel Discussion</b>	<b>Session 11</b> <b>Venue: The Chapel</b> Chair: <b>Jan-Albert Wessels</b> Environmental Control Officer/Practitioner SAQA related to EAPASA <b>Panel Discussion</b>	<b>Session 12</b>  <b>Free slot</b>
<b>17h30-18h00</b>	Free time			
<b>18h00-20h30</b>	<b>RustenBurger: Build a burger night &amp; Evening Activity</b> <b>Venue: Garden/Swimming Pool Area</b>			

**DAY 2: 29<sup>th</sup> August 2024**

TIME	DAY 2: 29th August 2024			
06h00-07h00	Morning Activities (Run/walk/hike/soccer/tennis, etc) - meet at the conference entrance - Entertainment Committee Host			
08h00-09h00	Plenary Session (Orchard Venue) - Chair: Zama Mkhize			
	08h00-08h10 (10 mins)	Opening and Take-Home Messages of Day 1 – Plenary chair – Zama Mkhize – Clicks Group		
	08h10-08h45 (35 mins)	Keynote Address: Prof. Francois Engelbrecht - Professor of Climatology and Director of the Global Change Institute of the University of the Witwatersrand		
	08h45-08h55 (10 mins)	Showcase Sponsor - NuLeaf		
09h00-11h00	Break away sessions (move to various breakaway rooms – 5 mins)			
		<b>Session 13</b> Venue: Orchard Sub-Theme: Just Energy Transition & Energy Expansion Chair: Nkhensani Masondo	<b>Session 14</b> Venue: The Chapel Sub-Theme: Environmental Legislation Chair: Nicholas Arnott	<b>Session 15</b> Venue: The Grove Sub-Theme: Public Participation/Future of Mining Chair: Anson Esterhuizen
	09h00-09h20 (20 mins)	The economic feasibility and the socioeconomic impacts of using sugarcane as a feedstock for sustainable aviation fuels (SAF): Empirical evidence from the South Africa. <b>Lungani Mvelase - UKZN</b>	A Strategic Assessment of watercourse infrastructure applications for the development of an exclusion Standard in KwaZulu-Natal. <b>Kashrina Sookraj - EDTEA</b>	Public Participation in large scale projects – A case study of the 3rd iteration of the Wind and Solar PV Strategic Environmental Assessment- eMalahleni Renewable Energy Development Zone (REDZ), Mpumalanga. <b>Phindile Mthembu - CSIR</b>
	09h20-9h40 (20 mins)	Transitioning Komati Power station from coal to renewable energy: the Journey and the Justness. <b>Ntombifuthi Beauty Mazibuko - Eskom</b>	Charging into the Future: Unpacking Environmental Legislative Updates for Battery Energy Storage Developments <b>Jana Minaar - Jones &amp; Wagener (Pty) Ltd</b>	Sustainable Social Considerations for the Mines of the Future. <b>Chanel McCall - Digby Wells</b>
	09h40-10h00 (20 mins)	Managing Environmental and Social Risks of Green Hydrogen and Ammonia Export Projects in Africa. <b>Eloise Costandius - SLR Consulting</b>	Standard for the Development and Expansion of Electricity Transmission and Distribution Power Line Infrastructure. <b>Simon Moganetsi - DFFE</b>	Cultural Landscapes as part of the Environmental and Heritage Impact Assessment Process <b>Jenna Lavin - CTS Heritage</b>
	10h00-10h20 (20 mins)	Free Slot	Stepping up to implement NEMA exclusion norms and standards. <b>Amanda van Reenen - Coastal and Environmental Services</b>	Free Slot
	10h20-10h50	TEA BREAK (30 mins)		

Break away sessions				
	Session 16 Venue: Orchard Sub-Theme: Thriving in the Era of Climate Change Chair: Kabedi Mashilo	Session 17 Venue: The Chapel Sub-Theme: Environmental Legislation Chair: Greg Beyers	Session 18 Venue: The Grove Sub-Theme: Achieving Biodiversity Conservation/Protection Beyond the Regulatory Framework Chair: Kaylene Moodley	
<b>10h50-13h00</b>	<b>10h50-11h10 (20 mins)</b>	Linkages between EIA Listing Notice and Climate Change Bill: Thriving in the era of Climate Change Risk, Vulnerability, Adaptation, and Resilience. <b>Delani Matheula – DFFE</b>	For Big People We have Big Horses and for Little People We Have Little Horses: Rethinking Listed Activities and Section 24G. <b>Sean O'Beirne - SE Solutions</b>	The Beta Version of the New Vegetation Map. <b>Anisha Dyaram - SANBI</b>
	<b>11h10-11h30 (20 mins)</b>	Enhancing Strategies to Manage Sea Level Rise with Flood Mapping under the ICMA. <b>Monique Sham – ETAZA</b>	Streamlining of environmental authorization processes - progress to date. <b>Rhulani Khubayi - DFFE</b>	Citizens and amphibians: Testing the reliability of different citizen science databases in predicting South African frog species distributions. <b>Lise Ferreira- Eco Elementum (Pty) Ltd</b>
	<b>11h30-11h50 (20 mins)</b>	The Consideration of Coastal Risk in Land Use Decisions: The Regulatory and Policy Framework for implementation of Coastal Management Lines in terms of the National Environmental Management: Integrated Coastal Management Act No. 24 of 2008 ("NEM: ICMA"). <b>Richard Summers - Richard Summers Inc</b>	A Transformative Framework: The Consideration and Prioritisation of Integrated Environmental Management Instruments, Tailored to Facilitate their Increased Use. <b>Bradley Nethononda - DFFE</b>	Lag effect causing delays in deliverables across multiple environmental authorisation processes: An emphasis on Terrestrial Biodiversity and Plant Species Themes within the renewable energy sector. <b>Corné Niemandt - Enviro-Insight CC</b>
	<b>11h50 - 12h10 (20 mins)</b>	Footprints to Frameworks: Navigating the Path to Climate Action. <b>Chandre Waard - Amathemba Environmental Management Consulting CC</b> <i>Lighting talk (15 mins)</i>	Reflecting on Tiering in Environmental Assessment in South Africa – are we failing? <b>Paul Hardcastle - DEA&amp;DP</b>	The National Biodiversity Offset Guideline. <b>Pamela Kershaw - DFFE</b>
	<b>12h10-12h30 (20 mins)</b>	The fight for survival: Agroecology, sustainable, effective and promising answer to food security. <b>Kashrina Sookraj - GreenEye Environmental Consultants and Advisors</b> <i>Lighting talk (15 mins)</i>	Appeals & Legal Review. <b>Farhana Patel - DFFE</b>	Can we use climate to model current and future land use change to account for biodiversity loss? <b>Mohlamatsane Mokhatla - UP</b>
	<b>12h30-12h50 (20 mins)</b>	Effective consideration of environment in the development of Mpumalanga Climate Change Adaptation Strategy. <b>Dudu Sibiyi – DARDLEA</b> <i>Lighting talk (15 mins)</i>	The opportunities of integrating climate change mitigation in the environmental authorization process. <b>Canecia Thobela – DFFE (presented by Mapula Tshangela)</b>	Lessons from the Mopane worm to produce an ethical Environmental Impact Assessment. <b>Cathy Dzerefos - TUT</b>
	<b>13h00-14h00</b>			

LUNCH (1 hour)				
14h00-15h20		<b>Session 19</b> <b>Venue: Orchard</b> <b>Sub-Theme: Just Energy Transition &amp; Energy Expansion</b>	<b>Session 20</b> <b>Venue: The Chapel</b> <b>Sub-Theme: Achieving Biodiversity Conservation/Protection Beyond the Regulatory Framework</b> <b>Chair: Jana Minaar</b>	<b>Session 21</b> <b>Venue: The Grove</b> <b>Sub-Theme: Achieving Biodiversity Conservation/Protection Beyond the Regulatory Framework</b> <b>Chair: Richard Summers</b>
	14h00-14h20 (20 mins)	Toward a just transformation: Insights and lessons for impact assessment. <b>Chair: Barry Wiesner - Amathemba</b> <b>Panel Discussion</b>	National Wetland Map update. <b>Adwoa Awuah - SANBI</b>	The latest Plant Red List. <b>Nokuhanya Mhlongo - SANBI</b>
	14h20-14h40 (20 mins)		Wetland Mapping automated tasks. <b>Phumula Mayekiso - SANBI</b>	The list of threatened Ecosystems. <b>Maphale Monyeki - SANBI</b>
	14h40 - 15h00 (20 mins)		Mapping wetlands in the Northern Cape. <b>Asive Bomvu - SANBI</b>	How the Screening Tool Enhances EIA Processes for Sensitive Plants and Animals Species <b>Maria Paul/Kholeka Shabalala - SANBI</b>
	15h00-15h20 (20 mins)		Accurate Mapping for Informed Assessments: A Collaborative Approach to Wetland Conservation. <b>Nokubonga Mzimela - SANBI</b>	How to use iNaturalist and Carrymap as data sources. <b>Kagiso Mogajane - SANBI</b>
15h20-15h40	TEA BREAK (20 mins)			
Plenary Session (Orchard Venue) - Chair: Eldalize Kruger				
15h40-16h00	15h40-16h00 (20 mins)	Process flow on obtaining all approvals for the development of an energy generation facility in South Africa. <b>Millicent Solomons – DFFE</b>		
16h00-18h00	Free Time			
18h00 - 20h30	<b>Gala Dinner - Green Carpet Affair (Dress code: Green OR a touch of green)</b> <b>Venue: Orchard</b> <b>MC: Orlinda Mafika</b>			

**DAY 3: 30<sup>th</sup> August 2024**

TIME	DAY 3: 30th August 2024	
08h00-10h15	<b>Plenary Session (Orchard Venue) - Chair: Tshinanne Mutshatshi</b>	
	08h00-08h10 (10 mins)	Opening and Take-Home Messages of Day 2 - Plenary chair - Tshinanne Mutshatshi
	08h10-08h45 (35 mins)	<b>Keynote Address: Devinagie Vanessa Bendeman</b> <b>Deputy Director-General: Regulatory Compliance and Sector Monitoring (RCSM) - DFFE</b> <b>Pulling the Golden Threads Together - Moving towards Fit for Future Practice.</b>
	08h45-10h05 (20 mins)	Use of minimum information requirement to achieve inter-government cooperation around authorisations. <b>Dee Fischer - DFFE</b>
10h05-10h35	<b>TEA BREAK (30 mins)</b>	
10h35-12h45	10h35-12h05 (90 mins)	<b>Chair: Patrick Sithole - EAPASA</b> Comprehensive Analysis of Environmental Assessment Practitioners Malpractice vis-à-vis EIA Regulations – Procedural Malpractice. <b>Panel Discussion</b>
	12h05-12h15 (10 mins)	Conference Summary <b>Abel Ramoelo - UP</b>
	12h15-12h25 (10 mins)	Price Giving for best presenter, paper, etc <b>Eldalize Kruger - IAIAAsa NEC</b>
	12h25-12h40 (15 mins)	Closing conference (President of IAIAAsa) - <b>Corné Niemandt</b>
12h40-14h00	<b>LUNCH</b>  Stewardship – Please Join us  <i>See you in 2025</i>	