

21 & 22.10.21

unlock
conference

THE POSSIBILITIES OF ENERGY SUSTAINABILITY IN AFRICA



CONFERENCE PROGRAMME



DAY ONE

THURSDAY, 21 OCTOBER 2021

Time	Topic	Speaker
13:00	Registration	COUNT DOWN
13:30	Opening of Conference	Conference Host Peter Ndoro News anchor and media personality
13:45	Welcome and Setting the Scene	Kiren Maharaj SANEA Chairperson & Managing Director of GIBB Power
13:55	Keynote Speakers Unlocking the Possibilities of Energy Sustainability	Minister Gwede Mantashe Department of Mineral and Energy Resources,



ENERGY RISK REPORT
2021/22

14:15	Energy Risk Report Launch SANEA's Annual Energy Risk Report aims to support the various decision makers in government and beyond when making plans related to energy that will drive the economy.	Wendy Poulton SANEA Secretary General & Risk Report Convenor
14:40	Unpacking the uncertainty in the energy sector and looking forward The panel will unpack the uncertainties that the SANEA Energy Risk Report identifies as having the biggest potential to impact on the achievement of the objectives the energy sector faces in achieving the objectives set out in the National Development Plan, positively or negatively.	Facilitator: Wendy Poulton SANEA Secretary General & Risk Report Convenor Panel: Fanele Mondi Chief Executive Officer Energy Intensive Users Group Southern Africa (EIUG)

		<p>Knox Msebenzi Managing Director Nuclear Industry Association of South Africa (NIASA)</p> <p>Avhaphani Tshifularo Executive Director South African Petroleum Industry Association (SAPIA)</p> <p>Bertha Dlamini President African Women in Energy and Power (AWEAP)</p>
15:15	<p>On the couch with Peter Interview: Energy sustainability and growing the sector through skills development</p>	<p>Mpho Mookapele Chief Executive Officer EWSeta Risk Report main sponsor</p> <p>Peter Ndoro Conference facilitator</p>
15:40	<p>On the couch with Peter Closing Thoughts of Day 1</p>	<p>Elizabeth Marabwa Chief Director: Programmes and Projects Management Office Department of Minerals and Resources Energy & SANEA Board Member</p> <p>Peter Ndoro Conference facilitator</p>
16:00	<p>Wrap up of Day One from the Main Gigajoule Conference Sponsor</p>	<p>Shane Pereira Business Development Executive Lesedi Nuclear Services</p>
16:10	<p>Close of Day 1</p>	<p>Peter Ndoro Conference facilitator</p>

DAY TWO
FRIDAY, 22 OCTOBER 2021

Time	Topic	Speaker
8:30	Opening of Day 2	Conference Host Peter Ndoro News anchor and media personality
8:45	Keynote Speaker Exploring the opportunities in the energy sector in South Africa	Andre de Ruyter Group Chief Executive Eskom Holdings
SANEA ENERGY AWARDS OF EXCELLENCE CEREMONY		
9:15	Awards host	Vumile Msweli Businesswoman, motivational speaker and women of excellence
9:35	Announcement of the 2021 winners in the categories of the SANEA Energy Awards:	
	<ul style="list-style-type: none"> ❖ Premium: the energy shapeshifter ❖ Project: leading the way in the energy sector ❖ Education: upliftment through education ❖ Journalism: the important voice of the energy sector ❖ Youth: building our future ❖ Women entrepreneurship: our trailblazers ❖ Service: service to our association 	
10:25	Close of Awards Ceremony	
10:30	BREAK	
10:45	On the Couch with Peter Welcome back to the SANEA Conference 2021 has already been a year of significant change, partly impacted by the continued presence of the Covid-19 virus, but also due to several other developments. The experts in the 2021 SANEA Energy Risk Report therefore considered the recommendations made in the 2020 Risk Report and agreed that they are still appropriate but noted that several have increased in urgency, given their potential impact and the fact that they drive the future energy sector. The recommendations were considered under a framework of 4I's: <ul style="list-style-type: none"> • Innovation 	Wendy Poulton SANEA Secretary General & Risk Report Convenor Peter Ndoro Conference facilitator

	<ul style="list-style-type: none"> • Implementation • Impact • Integration • With People at the centre of driving change in these 4 areas. 	
11:00	STREAM 1: INNOVATION	Stream 2 - IMPACT
	<p>Innovation is a critical element of the framework which in the energy sector as we need to adapt technological advances for our own specific needs and circumstances and in some cases develop our own unique technologies and approaches. This includes innovation in business models by business to develop new markets and products and services. This will require both government and business funded innovation as well as an integrated approach across a number of different energy and related sectors.</p>	<p>The impact element highlights that there is recognition that we have limited resources in the sector, and we need to ensure that we focus where we can have the biggest impact at this point. Impact is strongly influenced by many other uncertainties and risks including parochial interests, corruption and economic growth. This means that national policies and plans and business strategies need to be considered though a number of different lenses and the overall impact of decisions carefully considered. It is therefore closely linked to implementation and integration</p>
11:00	<p>Welcome by stream host Xolile Msimanga SANEA Board Member & Senior Researcher (Energy Industries) CSIR</p>	<p>Welcome by stream host Dave Wright SANEA Board Member & Energy Consultant</p>
11:05	Speaker - Unlocking INNOVATION	Speaker - Unlocking IMPACT
11:35 - 12:05	<p>Unlocking INNOVATION Panel Session</p> <p>The panel session will share thoughts and views on the following areas:</p> <ul style="list-style-type: none"> • Where do we need national innovation programmes to ensure South Africa's national competitiveness and make maximum use of our natural resources? • How do we work together as business and government to make this happen? • Data availability has been a key uncertainty for many years in the risk report. How do we manage concerns about intellectual property and competitive advantage vs breakthrough innovations of national benefit? • Where can we be innovative about resilience to prevent system and economic shocks? 	<p>Unlocking IMPACT Panel Session</p> <p>The panel will unpack the following:</p> <ul style="list-style-type: none"> • Do you think South Africa has mechanisms that allow us to adequately consider the integrated impact of our decisions? If yes, can you share some examples of where we can learn from others and if not, what should we do differently. • Not considering the integrated impact of our decisions means that the allocation of risk in the sector is oftentimes very uneven. One example of this is financial risk. How do you think this impacts the sector and achievement of the just energy transition? • What other risks or uncertainties do you think should be considered in more detail in order

	<ul style="list-style-type: none"> How do we improve our skills sets to boost our innovative capability? <p>Roy Bermeister Chief Executive Officer Nanotec</p> <p>Frank Spencer Head of Deployments Bushveld Energy</p> <p>Dave Thomas Founder and Technical Director PinkH2</p>	<p>to boost the positive impact of decisions in the energy sector?</p> <p>Prashaen Reddy Partner Kearney & SANEA Board Member</p> <p>Kay Walsh Managing Director NOVA Economics</p> <p>Sashay Ramdharee National Lead Project Manager The Industrial Energy Efficiency Project UNIDO</p>
12:05	Summary commentary	Summary commentary
12:15	BREAK	
12:30	STREAM 3 - INTEGRATION	STREAM 4 - IMPLEMENTATION
	<p>The Integration element reduces risk by ensuring that a holistic picture of the energy sector is taken. It is closely linked to implementation and impact. Integration speaks to the heart of the just energy transition as it acknowledges sector coupling and the very diverse nature of the transition from other technological influences to financing requirements. Integration also means alignment within government in terms of policy development with due consideration to the way in which business (who are oftentimes the implementers of policy) works and takes decisions.</p>	<p>The implementation element of the framework is a critical one as we do not tend to be as effective at implementation as we are at policy and strategy development. As a result, progress in the just energy transition has been slower than we would like in some cases. If progress is patchy, it can impact the overall implementation of change in the energy sector, where one areas slows down another dependent area. For South Africa to have international competitiveness an integrated and aligned plan that can be evenly implemented is needed.</p>
12:30	<p>Welcome by stream host Prashaen Reddy SANEA Board Member & Partner, Kearney</p>	<p>Welcome by stream host Tumi Mphahlele Project Director, Amperion Energy Chief Operations Officer, IG3N Energy Storage Board Member, SANEA</p>
12:35	<p>Speaker - Unlocking INTEGRATION</p> <p>Dr Ishmael Poolo Chief Executive Officer CEF Group of Companies</p>	<p>Speaker - Unlocking IMPLEMENTATION</p> <p>Marista Fey Senior Vice President Strategy and Planning Sasol Energy</p>
13:05	<p>Unlocking INTEGRATION Panel Session</p> <p>The panel session will discuss the following areas:</p>	<p>Unlocking IMPLEMENTATION Panel Session</p> <p>The panel session will have robust discussions on the following areas:</p>

	<ul style="list-style-type: none"> • Is our government policy and planning framework for energy integrated enough? If not, what can or should be done differently? • How do we ensure that all the different sectors and government departments that impact on the energy sector are integrated? • Is there enough integrated debate and dialogue between business and government in terms of what is practically implementable? How do we ensure this happens whilst allowing government to remain independent? • Do we do enough to encourage and enable investment in our energy sector through the provision of policy certainty and one stop shops? What can be done differently? <p>Kaashifah Beukes Chief Executive Officer Saldanah Bay Industrial Development Zone</p> <p>Dr Ishmael Poolo Group CEO CEF Group of Companies</p> <p>Greg Nichollas Manager: Project Development Lesedi Nuclear Services</p>	<ul style="list-style-type: none"> • Two areas highlighted in the risk report is that we need a longer-term vision for the energy sector and then clear roadmaps to get there. Do you think we have done enough to paint this long-term vision clearly enough? If not what else needs to be done? • Oftentimes we paint a vision of the future but get stuck in the implementation as we do not have a clear pathway or pathways to achieve that vision. Do you think this is the case in South Africa and if so where specifically is the path not clear and how could we resolve this? • Where would we need to shift to address implementation more aggressively? • How does implementation related to integration and how do we achieve cross sectoral implementation? <p>Tumi Mphahlele Project Director, Amperion Energy Chief Operations Officer, IG3N Energy Storage Board Member, SANEA</p> <p>Nandu D Bhula CEO Redstone CSP - ACWA Power</p> <p>Marista Fey Senior Vice President Strategy and Planning Sasol Energy</p>
13:35	Summary commentary	Summary commentary
13:45 BREAK		
14:00	Opening of final plenary	<p>Conference Host Peter Ndoro News anchor and media personality</p>
14:10	<p>Unlocking PEOPLE The pivot role that people play in, to quote the World Energy Council “humanise”, the energy transition. It is also people that take decisions and implement strategy and policy, so ensuring people issues are fully integrated into the just energy transition is a key element in addressing uncertainty and positive and negative risk.</p>	<p>Panel Session</p> <p>Adjunct Professor Lwazi Ngubevana, Director: African Energy Leadership Centre Wits Business School</p> <p>Bianca Jordan, Community Development Manager, Dorper Wind Farm</p> <p>Jarredine Morris Energy & Environmental Policy Manager Business Unity South Africa (BUSA)</p>

		Fatima Vawda Managing Director 27four Investment Managers
14:40	Closing Address - Guest Speaker Future focus	Dr Crispian Olver Executive Director Presidential Climate Commission
15:10	Our Closing Thoughts What were the highlights and learnings from the last two days?	Kiren Maharaj SANEA Chairperson & Managing Director GIBB Power
15:20	Close and final business	Conference Host Peter Ndoro
15:30	CONFERENCE ENDS	