

Strengthening the skills pipeline
for environmental sustainability



Programme | 3-5 March 2015

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GREEN | TALENT
CAREERS FOR SUSTAINABLE FUTURES

Day One – 3 March 2015

TIME	SESSIONS, LEADS AND SPEAKERS	ABSTRACT
8h00-9h00	Registration	
9h00-9h20	Welcome and introduction Conference Chair: Dr Sibusiso Manzini, GreenMatter Executive Programme Director and representative of the National Environmental Skills Planning Forum	Welcome to all delegates and special guests, sketching the history of NESS and its objectives, and an introduction to the programme including pledges, networking and off-programme opportunities.
9h20-9h30	Introduction to the keynote speaker	The Department of Environmental Affairs
9h30-10h00	Keynote/Opening address: The Department of Environmental Affairs	The green economy, job creation and skills: What progress has been made, how can we achieve more?
10h00-11h00	Panel discussion: Voices of Youth, Voices of Hope Facilitator: Dr Dumisani Magadlela (DBSA). Panelists: Mr Khwezi Mabasa (Cosatu); Mr Daryl Mclean (Independent); Dr Charity Mbileni (NM Envirotech Solutions); Ms Shanna Nienaber (Young Water Professionals Network); Anelile Gibixego (Jeffares + Green) and Yonela Ciliwe (Groen Sebenza pioneer at WWF-SA)	This session will provide food for thought and a reminder as to why we have convened for 3 days as national leading thinkers, contributors and implementers. Our young leaders will share their personal career stories and what green jobs mean to young South Africans. Visionary thinkers will introduce ideas on how South Africa can create more meaningful jobs. The facilitator will encourage conversation between panel members and engage the audience.
11h00-11h30	TEA BREAK, NETWORKING & VIEW EXHIBITIONS	
11h30-12h30	Panel discussion continues	
12h30-13h00	Progress update: Developing South Africa's GreenMatter Ms Chantal Ramcharan-Kotze (GreenMatter) and Mr Donovan Fullard (SANBI)	A progress update on the Biodiversity Human Capital Development Strategy under the banner of GreenMatter, including highlights from the Groen Sebenza programme. The speakers share lessons learnt and identify opportunities. They also introduce related Working Sessions in the programme.
13h00-14h00	LUNCH, NETWORKING & EXHIBITIONS	
14h00-14h30	Progress update: The Green Fund Mr Tlou Ramaru (DEA)	A progress update on DEA's Green Fund implemented by the DBSA. What projects have been funded, and what are the jobs and skills dimensions? What is next? The speaker will also introduce the related Working Session on Day 2.
14h30-15h00	Progress update: Green Jobs, Skills and Research Dr Eureta Rosenberg (Rhodes University Associate) and Ms Vuyokazi Mofu (MQA)	The speakers will provide an update on green skills related research undertaken at Rhodes University with CATHSETA support, and a new study commissioned by the MQA on green skills in mining. They will introduce the related Working Session on Day 3.
15h00-15h30	Progress update: Skills development in business' journey to sustainability Ms Makhegu Mabunda (Woolworths)	A presentation on Woolworths' Good Business Journey, focussing on work with suppliers to reduce their water and energy footprint via water stewardship and other programmes, and farming for the future as a means to encourage responsible, sustainable farming. In the process, new skills are being developed for collaboration and sustainability across supply chains.
15h30-16h00	TEA BREAK, NETWORKING & EXHIBITIONS	
16h00-16h30	Progress update: Green skills development at UNISA Prof. Esther Kibuka-Sebitosi (College of Graduate Studies, Institute for African Renaissance Studies, UNISA)	An overview of environment-related courses and programmes at UNISA, with reference to ensure quality and relevance in the distance learning/e-learning format, including courses that need an experiential component. What progress has been made at this institution to respond to the need for green skills.

16h30-17h00	Plenary discussion & synthesis Conference Chair, Dr Sibusiso Manzini	The Conference Chair will lead delegates in a reflection on the presentations, the emerging opportunities and what as a national community, delegates need to work towards during Day 2 and Day 3, and beyond.
17h30-19h30	Cocktail event: Launch of the Biodiversity and Water Entrepreneurship Initiative Speakers: Dr Tanya Abrahamse, CEO of SANBI and Dr Henry Roman, Director at DST	

Day Two – 4 March 2015

TIME	SESSIONS, LEADS AND SPEAKERS	ABSTRACT
8h00-9h00	Registration	
9h00-9h20	Day 2 Welcome and Summary of Day 1 Outcomes Conference chair: Dr Sibusiso Manzini	The Conference Chair welcome delegates to Day 2 and provide a summary of Day 1 outcomes for the purpose of new delegates joining NESS 2015.
9h20-9h40	Progress update: The Role of Human Capital Development in Greening Society and the Economy – A DST Perspective Mr Imraan Patel (DST)	A transition to a green economy requires that a coherent system of innovation is in place to support this paradigmatic shift. Developing a highly skilled pipeline of people is central to nurturing the potential of this green system of innovation and catalysing new thinking and change. DST has a series of programmes in place that support the transition to the green economy. These will form the basis of the reflections for this presentation.
9h40-10h00	Progress update: WESSA Capacity Building Progress with Local Government, Traditional Leaders and Communities Dr Jim Taylor (WESSA)	Service delivery and the sustainable supply of resources such as fresh water, clean air and energy as well as wise waste management and healthy biodiversity are proving hugely challenging at present. Following a number of needs analyses as well as a socio-ecological power-mapping exercise, WESSA has developed and implemented a range of courses. Over 750 government officials, youth and community leaders have undertaken accredited training courses in the past two years. The training is practice and workplace-based, and offers career-pathing towards a trainer of trainers level.
10h00-10h30	Discussion of implications: Delegate participation	The Conference Chair will lead delegates in a reflection on the presentations and set the scene for what delegates can expect during Day 2 and the depth of dialogue, planning and commitments required.
10h30-11h00	TEA BREAK, NETWORKING & EXHIBITIONS	
11h00-13h00	Parallel Working Session 1: Mentoring and Work Integrated Learning Forum Session convener: Dr G Raven (WWF-SA)	The Mentoring and Work Integrated Learning Programme aims to develop and implement strategic actions associated with quality work integrated learning placements for students in biodiversity. Focused on improved alignment between demand and supply, strengthened quality of work integrated learning and increasing funding for work integrated learning, much has been achieved through this co-ordinated programme over the past four years. However, much more needs to be done. This session at the forum will share with you some of the strategic actions implemented over this period and invite you to participate in further deliberations to consolidate these actions and define further actions to strengthen the quality of work integrated learning for the student intern.

11h00-13h00
continued

Parallel Working Session 2: Resource Mobilisation for Green Skills Development

Session conveners: Dr Najma Mohamed (DBSA),
Dr Henry Roman (DST) and Ms Shanna Nienaber (DST)

Achieving a transition to a Green Economy requires a strategic, well-coordinated stream of resources to be flowing into the skills system at different stages of the pipeline. It is this stream of resources that will form the focus of this Working Session with an emphasis on mapping out the green skills resource mobilisation landscape for South Africa and unpacking synergies and gaps between key role players.

Panellists include Karsten Feuerriegel (GIZ), Tertia Louw (DBSA), Isaac Maredi (DST) and Kwanele Ndlovu (GreenMatter). The panel debates will be followed by a World Café session to gain the insight and experience of participants in the session.

Parallel Working Session 3: The Role of Local Government in Green Jobs and Green Skills Development – Challenges and Opportunities

Session conveners: Mr Mike Ward (WESSA) and Ms Nomfundiso Giqwa (DEA)

This session will have four broad and interlinked components:

1. An overview of the challenges and opportunities facing local government in terms of environmental skills, jobs and capacity development. *(1 hour)*
2. A component on the intention, successes and challenges of working with local government through the DEA Youth Environmental Services (YES) programme and the SANBI led Groen Sebenza programme. Given that both programmes are currently scheduled to end this year this session will provide a very timely opportunity to develop insights that could inform continuations/ expansions/ adaptations of these initiatives. *(1.5 hour)*
3. A component focusing on Green Skills Development. Building on the insights from the first two components of the session a more detailed look at the skills development landscape with a particular focus on green skills requirements in the local government sector. This component could be used to inform greater alignment between skills development and the skills required by local government. *(1 hour)*
4. Summary and Conclusion. What is required to unlock the potential for Green Jobs in the local government sector and what Green Skills are required in this sector? Actions to be taken and responsible parties. *(45min)*

13h00-14h00 LUNCH, NETWORKING & EXHIBITIONS

14h00-15h30 **Parallel Working Session 1** continues

Parallel Working Session 2 continues

Parallel Working Session 3 continues

15h30-16h00 TEA BREAK, NETWORKING & EXHIBITIONS

16h00-17h00 **Parallel Working Session 1** concludes and document outcomes

Parallel Working Session 2 concludes and document outcomes

Parallel Working Session 3 concludes and document outcomes

Day Three – 5 March 2015

TIME	SESSION DETAILS	LEADS
8h00-9h00	Registration	
9h00-9h15	Welcome Dr S Manzini, Conference Chair	The Conference Chair will welcome delegates and provide a summary of the outcomes of Day 2.
9h15-9h30	Progress update: National Cleaner Production Centre Mr Wynand van der Merwe (CSIR)	A progress update on the development of new qualifications for energy professionals and the establishment of a professional body for the manufacturing sector.
9h30-10h00	Keynote address: The Emergence of Environmental Knowledge in the School Curriculum and the Implications for Teacher Education in SA Prof Chris Reddy (Stellenbosch University)	Prof Reddy will draw on his research and practice as university-based teacher educator and participation in the Fundisa for Change programme, to discuss the ways in which environmental knowledge features in South Africa's school curriculum, and the implications this has for teachers, to build the foundations of environmental knowledge and skills.
10h00-10h30	TEA BREAK, NETWORKING & EXHIBITIONS	
10h30-13h00	<p>Parallel Symposium 1: Fundisa for Change Teacher Development Symposium Session conveners: Dr Ingrid Schudel and Ms Zintle Songqwaru (Rhodes University). Chair: Dr Yvonne Nsubuga (Fort Hare University)</p> <p>Parallel Symposium 2: Green Skills Research Towards the strengthening of green skills research in a changing skills development landscape Session conveners: Dr S Manzini (GreenMatter) and Ms Vuyokazi Mofu (MQA)</p> <p>Parallel Symposium 3: Green Career Guidance – Optimising existing initiatives, addressing gaps, including integration in national systems Session conveners: Ms Vivian Malema (SANBI) and Ms Elize Hattingh (GreenTalent)</p>	<p>In this session university-based participants in the Fundisa for Change programme present case examples of the new environmental knowledge focus in the curriculum, and how they work with it in their teacher education practice. Their work is supported by the NRF, GreenMatter and DEA. Participating universities include UNISA, North West, Wits, UKZN, UCT, Fort Hare, Stellenbosch and Rhodes.</p> <p>This working session will focus on collaboration in green skills research, based on an informed understanding of the current green skills landscape and likely future developments.</p> <p>Session Objectives:</p> <ol style="list-style-type: none"> 1. Develop a better understanding of the policy landscape in which green skills research is undertaken, as informed by the role players from all sectors of the economy; 2. Derive fresh insights into, and perspectives on, the supply and demand of green skills in the context of South Africa's macro-economic environment, in the context of key national initiatives of both the public and private sectors; 3. Identify existing or new platforms, processes or mechanisms that can be used to achieve the benefits of collaboration and coordination for green skills research; 4. Agree on actions that must be undertaken before NESS 2017, identify responsible parties and map out timeframes. <p>The purpose of this Working Session is to strengthen Green Career Guidance through learning and sharing from others and to ensure effective coordination through a collaborative effort for the Environmental Skills Sector. An opening address sharing recent developments and drawing on a stakeholder survey, will lead into a World Café session for discussions on key issues.</p>
13h00-14h00	LUNCH, NETWORKING & EXHIBITIONS	

14h00-15h30 **Parallel Symposium 1:** Continues and concludes

Parallel Symposium 2: Continues and concludes

Parallel Symposium 3: Continues and concludes

15h30-16h00 **TEA BREAK, NETWORKING & EXHIBITIONS**

16h00-16h30 **Summary of Summit outcomes & commitments**

Conference Chair, Dr Sibusiso Manzini

Closing address

The Department of Science and Technology

Networking Tree: A space and opportunity to attach business cards, advertise and book 'off-the-programme' discussions and topics.

Electronic Poster Board: Look out for the daily poster board that will provide a summary of outcomes each day.