

PROGRAMME DAY 2

23 March 2017

09:00 -10:30	<p>Programme Director: Mr David van Rooyen, Minister of Cooperative Governance and Traditional Affairs</p> <p>Address: Cllr Lindiwe Ntshalintshali Deputy President of SALGA</p> <p>Remarks: Ms Sophia Pal Gai Laam, Minister for Water, Republic of South Africa ; Deputy President of African Ministers' Council on Water (AMCOW)</p> <p>Key Note Address: Ms Nomvula Mokonyane, Minister of Water and Sanitation, Republic of South Africa</p> <p>High Level Ministerial Panel Discussion</p> <p>Reading of the World Water Day Celebrations Communique</p>
10:30 – 11:00	<p>Tea / coffee Break</p>
11:00 - 13:00	<p>Special Closed Session: African Ministers' Council on Water (AMCOW)</p>



Thematic Sessions (8)

Thematic Session 9.

At the Forefront of Municipal Waste Water Management

Chair: Dr John Ngoni Zvimba

- Wastewater Decision Support Tool – guiding the sector in selecting appropriate treatment technologies – Unathi Jack
- WastewaterConnect – bringing wastewater service sector together for improved wastewater management – Prof Faizal Bux
- The challenges and opportunities of taking DEWATS to implementation – Lessons learnt in EThekweni – Prof Chris Buckley
- How does Biomimicry informs the design of sustainable wastewater treatment systems – Claire Janisch
- Waste water management within the Inko - Maputo river basin KOBWA CEO – Colleen Zwane
- Experiences in Mozambique on Waste Water Management through impacts of floods and disasters LIMCOM - Sergio Siteo

Thematic Session 10.

Benchmarking and performances of water services

Chair: Jay Bhagwan

- **Overview of emerging Trends in the Municipal Water Services Benchmarking programme - William Moraka**
- **Water Services Master classes as a means for breakthrough performance - Lungi Cele**
- **The Use of Data Envelop Analysis (DEA) and SEA in water services performance Measurement - Johanne Dikgang**
- **Opportunities in the Fiscal Reforms to improve municipal infrastructure investment – Steven Kanyon (National Treasury)**

Thematic Session 11.

Professional Skills Development and Young Professionals for the Water Sector

Chair: Cyril Gamede

- The role of a Professional Body in an evolving society Dr Lester Goldman. WISA CEO,
- Role of the Engineering Council, ECSA, (CE , ECSA)
- Status quo of professional skills in the water sector Current challenges and impact on service delivery, Lindelani Sibiyi,
- Innovative Programme for Fast Tracking Professional Registration of Young Chemistry and Engineering Graduates, (NaheenToolsee, Senior Engineer)
- SADC-GMI's Skills Deelopment Model for Sustainable Groundwater Management in the SADC Member States (GMI) James Sauramba
- Successes and challenges in the placement of young water professionals in Municipalities. Sanele Tenza , Process Engineer, Ugu Municipality)

Thematic Session 12.

Research, Development and Innovation Planning for a Water Secure future

Chair: Sarah Ravhudzulo

- **Framing the Water Security Opportunity for South Africa: The Water Research, Development and Innovation Roadmap. Shanna Nienaber, WRC**
- **Understanding what it takes for metros to unlock and deploy new water innovations. Speedy Moodliar,**
- **Aligning the research institution agendas to support National Priorities and deploy innovation. May Hermanus, CSIR**
- **Water Centres of Excellence research and Innovation by NEPAD – Nico Elema**
- **“Transboundary Cooperation on the Ramotswa Aquifer – and Learning for the SADC Region” – IWMI - presenter to be confirmed**
- **Understanding the demand for and efficient use of water to enhance climate resilience in Limpopo Basin”. Armand Houanye, GWPSA**

	<p>Thematic Session 13</p> <p>Water Quality and Emerging Contaminants</p> <p>Chair: Dr Nonhlanhla Kalebaila</p> <ul style="list-style-type: none"> Guidance on Emerging Chemicals Management Issues – Prof Henk Bouwman, North West University Microplastics and nanoplastics in South African Aquatic Systems: occurrence and distribution – Prof Titus Msagati, UNISA The emerging case of nanopollution in the environment: confirmed and potential sources in South Africa – Dr Melusi Thwala, CSIR Antimicrobials, antibiotic resistant bacteria and genes in wastewater: implications for water production and water quality monitoring – Prof Carlos Bezuidenhout, North West University Endocrine Disrupting Chemicals (EDCs) in recycled water for potable use. When should we be concerned? a case study of Umgeni Water – Dr Thavrin Manickum, Umgeni Water 	<p>Thematic Session 14</p> <p>Policy landscape on waste water as an untapped source</p> <p>Chair: Mr Anil Singh</p> <ul style="list-style-type: none"> The South African Policy framework on sustainable resource use: waste water as an untapped source – Ms Marie Brisley, DWS Utilizing Unconventional Water Sources for Industrial Reuse – Prof Anthony Turton, Governance Arrangements for Reuse: Managing the other side of the water cycle (Lessons learnt on governance in the Urban Water Security Programme in Africa) - Mr Alex Simalabwi, GWB An Environmentally Sound Approach for Sustainable Urban Water Management: Water and Waste Water Reuse – Dr Birguy Lamizana– UNEP. Capturing Sanitation Service chain through municipal led approach in a small town of Bangladesh A Chronicle – Dr Abdullah Al Mueyed, Water Aid. [Skype] 	<p>Thematic Session 15:</p> <p>Water and Agriculture for Rural livelihoods</p> <p>Chair: Prof Graham Jewitt</p> <ul style="list-style-type: none"> Integrating agriculture in the design of sanitation technologies William Musazura and Alfred Odindo The Empowerment of women farmers through water and land use security for improved livelihoods and household food security Joyce Chitja Bio-gas generation as renewable energy for households in rural villages – Terry Everson Assessing the hydrological impact of biofuel feedstock production – Richard Kunz Water use of indigenous cereal and legume food crops – Tafadzwanashe Mabhaudhi and Prof. Albert Modi The development of technical and financial norms and standards for drainage of irrigated lands – Aidan Senzanje Back to basics: rural development challenges to productively utilize irrigation schemes in KwaZulu-Natal – Edilegnaw Wale Wrap-up and discussion 	<p>Thematic Session 16:</p> <p>Extreme events</p> <p>Chair: Wandile Nomqophu/Dr Chris Moseki</p> <ul style="list-style-type: none"> Understanding extreme events within the context of water scarcity - Prof Roland Schulze Understanding the Characteristics of Regionally extensive Droughts over Southern Africa. – Dr Babatunde Abiodun (UCT) Extreme events over southern Africa under present and future climates. – Dr Asmerom Beraki (CSIR) Data-driven seasonal prediction of extreme flows – Prof Willem Landman (UP) Projected impacts of climate change on design floods in the Limpopo River Basin – Mr Trevor Lumsden (UKZN) “A resilience-based approach to the development of the Limpopo River Basin Disaster Risk Reduction Strategy and Action Plan -Enhancing resilience to water-related disasters”, David Gadd, RESILIM Program Initiatives in risk and uncertainty management in the transboundary Komati basin. Mr Mathokoza Manana
13:00-14:30	<p>Networking Lunch in the Exhibition Area</p> <p>Launch of the Mine Water Atlas – Ms Nomvula Mokonyane, Minister of Water and Sanitation / Mr Dhesigen Naidoo, Water Research Commission</p>			
14:30 – 15:30	<p>Closing Plenary</p> <p>By African Ministers' Council on Water (AMCOW)</p>			

