

WATER PROGRAMME

Day 1 – 21 May 2024

Navigating the Water Maze: Access Challenges and Regional Disparities

12:05-12:10 **Scene setter:**
Delegates joining this scene-setting session on water access in Africa can expect a stark and compelling introduction to the complexities of the issues through quantified realities, multifaceted perspectives and regional nuances.

Session moderator:

Hilton Baartman, Executive Head of: Rural & Mining Water, HallCore Water, South Africa

12:10-13:30 **Panel discussion: Bridging the Divide: A Dialogue on Access and Opportunity**
Get ready to dive into a dynamic panel discussion exploring the uneven terrain of access to resources and opportunities across the continent. This session promises to be a thought-provoking exchange, delving into the barriers such as non-revenue water, billing and metering, and asset management that hold governments and communities back, particularly in underserved regions.

Speakers:

- *Benoit le Roy, Co-Founder, South African Water Chamber, South Africa*
- *Ntombizanele Bila-Mupariwa, Provincial Head: Western Cape, Department of Water and Sanitation, South Africa*
- *Theuns Tait, Product Manager, Conlog, South Africa*
- *Ntuthuko Ngcamu, Head of Water Demand Management, uMngeni -uThukela Water*

13:30-14:30 Lunch

The Potential of Bankable Water Projects and Capacity Building

14:30- 14:35 **Scene setter:** This scene setter will prepare you to grasp the dual challenges of developing bankable projects and building robust capacities that stand as formidable barriers to progress, while presenting a captivating and informative introduction to the exciting possibilities that arise from combining bankable water projects and capacity-building initiatives in Africa.

Session moderator:

Phathu Mashele, Business Development Director- Water, Royal Haskoning DHV, South Africa

14:35-14:55 **Cultivating Expertise for Sustainable Water Management with PPP Training**
Highlighting the importance of developing skilled professionals to address water management challenges through Public-Private Partnerships (PPPs).

Andre Kruger, CEO, PPP Training Online

14:55-15:45 **Panel discussion: Financing the future: overcoming the non-bankability hurdle in Africa's water sector**

Speakers:

- *Andre Kruger, CEO, PPP Training Online*
- *Mojabeng Manthata, Head: Cities, Waterboards and Economic Zones, DBSA*
- *Senior Representative, ERWAT*
- *Mike Smith, Director, Talbot*

15:45-16:15 Refreshment break

Technology showcase

16:15-16:20 **Scene setter:** Join us as we discuss the role of technology in addressing and managing water losses and resource scarcity.

Session moderator:

Benoit le Roy, Co-Founder, South African Water Chamber, South Africa

16:20-16:40 *Ntombizanele Bila-Mupariwa, Provincial Head: Western Cape, Department of Water and Sanitation, South Africa**

16:40-17:00 *Ntuthuko Ngcamu, Head of Water Demand Management, uMngeni -uThukela Water*

17:30 **Networking function**

Exhibition floor

18:00 **Networking dinner**



Day 2 – 22 May 2024

Exploring Recent Innovations and Advances

12:00–12:05 **Scene setter:** Don't miss these crucial five minutes! Build your water sector understanding with foundational strategies and critical insights - the stepping stones to exploring recent breakthroughs.

Session moderator:

Benoit le Roy, Co-Founder, South African Water Chamber, South Africa

12:05–13:15 **Panel: Recent advancements in water infrastructure and technology in Africa**

Exploring the role of technology, infrastructure development and the role of wastewater in the future.

Speakers:

- *Hilton Baartman, Executive Head of Rural & Mining Water, Hall Core Water, South Africa*
- *Peter Marumong, Schneider Electric*
- *Thabo Kabini, Senior Specialist: Water Infrastructure, IDC*

13:15–14:30 Lunch

Revolutionizing Water Management

14:30–14:35 **Scene setter:**

Water needs a digital upgrade! Get ready for sensors, networks, and smart meters changing the game. We'll delve into how next-gen tech promises cleaner water, smarter use, and a resilient future. Join us!

Session moderator:

Siyabulela Bashe, Director of commercial services: Water, City of Cape Town

14:35–14:50 **Transforming water management: The power of smart water management in enhancing consumer centricity**

Smart water meters empower you to manage your usage, conserve resources, and build a sustainable future. Real-time data, leak detection, and inspiring case studies showcase the transformative power of this technology. We'll also address concerns about trust, affordability, and equitable access.

Ithriam Leukes, Business Unit Manager, ONTEC

14:50–15:45 **Panel discussion: Digital solutions for monitoring and managing water quality**

Join this session to discover how advanced sensors and IoT devices are becoming eyes and ears for water quality, providing real-time data and early warnings.

Speakers:

- *Boitumelo Matshediso, Business Unit Manager- TalbotAnalytics, Talbot*
- *Thobekile Gambu, Environmental Scientist, uMngeni-uThukela Water*
- *Ithriam Leukes, Business Unit Manager, ONTEC*

15:45–16:15 Refreshment break

Robust Supply Systems

16:15–16:20 **Scene setter:** Join us in these introductory five minutes that promises to equip you with foundational strategies and critical insights on robust supply systems for extreme events.

Session moderator:

Ryneth Mbhele, Research Group Leader, CSIR Water Centre

16:20–16:40 **Advocating for Circular Economy in Wastewater Treatment for Societal benefits**

Jeffrey Baloyi, Senior Researcher: Chemical Engineer, CSIR Water Centre

16:40–17:00 **Rethinking hydropower to overcome the climate finance adaptation gap**

Michael Spolum, CEO, My-Hydro

17:00–17:20 **C&I water security - considerations**

Phathu Mashela, Business Development Director- Water, Royal Haskoning DHV, South Africa

17:20–18:00 **Networking function**

Harringtons Cocktail Lounge



Day 3 – 23 May 2024

Adapting Resources, Navigating Impact

09:30–09:35 **Scene setter:** Join these introductory five minutes to understand our start point in this discussion on climate change, resilience, adaptation and the water energy nexus.

Session moderator:

Jarredine Morris, Associate Director, Carbon Trust, South Africa

09:30–10:45 **Panel Discussion: Adapting to Climate change: The water/energy nexus - Building the ecosystem for a resilient future**

Recognising that climate change is impacting the water-energy nexus, we ask the question – what adaptation strategies need to be put in place to ensure resilience in water and energy for Africa?

- How do we ensure development opportunities are not negatively impacted?
- How can water utilities ensure stable energy supply and conversely, how can energy utilities secure water, independently of one another?
- How does the water stressed nature of sub-Saharan Africa inform hydrogen production strategy and policy?

Speakers:

- *Ashton Mpofu, Senior Consultant, Isle utilities*
- *Kerusha Lutchmiah, Water manager, Royal HaskoningDHV, Netherlands*
- *Mchenge Nyoka, National Project Manager, UNIDO, South Africa*
- *Zaid Railhoun, Specialist: Natural Resources -Power and Sustainable Solutions, Standard Bank Group*

10:45 -11:30 Refreshments

Changemakers: Junior pitch challenges

11:30-11:35 Join our juniors as they present their projects from the Lego League, Eskom Young Scientists, and winners from last year's Enlit Africa junior pitch challenge, the Galactic Einsteins.

Chairman: *Kgopisho Mahunonyane, Key Customer Accounts Manager, Cape Coastal Cluster*

11:35-11:45 **Lego League**

11:45-11:55 **Lego League**

11:55-12:05 **Seaweed as an Alternative Fuel**

Taya Pather, Parklands College

12:05-12:15 **Galactic Einsteins**

12:20-12:30 **Feedback to Changemakers**

Judges:

- *Senior representative, Eskom*
- *Senior representative, WIPRO*
- *Senior representative, EWSETA*

12:45 14:00 Lunch

14:00-15:00 **Closing keynote and Enlit Africa awards**

Renewable Energy and Storage stage