

THE WATER SHOW AFRICA 2020

EVENT PREVIEW

20 – 21 AUGUST 2020

Sandton Convention Centre, Johannesburg, South Africa

OPENING TIMES

Thursday, 20 August: 10am – 5pm

Friday, 21 August: 10am – 5pm

STRATEGY AND INNOVATION FOR END-USERS, UTILITIES AND PARTNERS

2000+

ATTENDEES

300+

VIP's

100+

EXHIBITORS

100+

SPEAKERS

20+

AFRICAN
COUNTRIES

www.terrapinn.com/waterafrica

Created by:

SPARK SOMETHING
TERRAPINN 

Follow us on:  @watershowafrica  #waterafrica  The Water Show Africa  @watershowafrica

FREE EXHIBITION

FREE EXHIBITION

60+ exhibitors with the latest technology in the water sector

HOW TO ACCESS WATER PROJECTS

Everything you ever needed to know about the latest water projects happening across Africa

SKILLS DEVELOPMENT

The place to find out how to bridge the skills gap in the water space

FIND LOCAL PARTNERS

Focus on localization and finding the right partners for your business

LAUNCH INNOVATIVE PRODUCTS

Experience the latest water technology solutions disrupting the industry.

WELCOME

WELCOME TO THE WATER SHOW AFRICA – AFRICA’S LEADING WATER EXHIBITION AND CONFERENCE FOR WATER UTILITIES, OPERATORS, WATER BOARDS, GOVERNMENT, LARGE WATER USERS AND THE INDUSTRY AT LARGE.

Built on 14 years of history, The Water Show Africa is about strategy and innovation for end-users, utilities and partners.

Each year we bring these communities together and we’re delighted to share our 2020 show preview with you.

We’ve got a jam-packed show for you this year. Our premium conference is bigger than ever, with over 100 speakers sharing their insights across 3 premium conference tracks.

Our keynote line-up of experts from Global Waters Leader Group, Uganda; Lagos Water Corporation, Nigeria; Coca-Cola Africa, South Africa; 100 Resilient Cities, United Kingdom; The South African Water Chamber; Water Environment & Human Development Initiative, Switzerland, to name a few, will set the tone.

But that’s not all!

SOURCE THE LATEST TECH AND DISCOVER WHAT’S ON THE MARKET

This year’s exhibition sees over 60 exhibitors from across the globe showcasing their products and solutions, from turnkey solutions; billing and smart metering; water treatment innovations; process control, technology and automation; water equipment; leak detection and control; disposal, reuse and desalination; construction and maintenance; consultants and engineers; to financiers and legal, and everything in between.

Make sure you also visit The Start-Up Pavilion on the exhibition floor. This is where you’ll be able to source products and solutions from 50+ local companies who are breaking into the water sector.

LEARNING OPPORTUNITIES

Don’t miss out on the technical, free-to-attend sessions in our Seminar Theatre over 2 days. These seminars offer an unparalleled peer-to-peer learning opportunity with expert speakers providing insight and showcasing innovation.

No matter how big or small your business challenge, we’ve got you covered at The Water Show Africa 2020. With 60+ exhibitors, 50+ Start-ups, 100+ speakers and 2,000+ attendees, there’s no better place to explore the future of water infrastructure and solutions in Africa.

I hope that this preview will help you to plan your visit in advance and make sure that The Water Show Africa is the most productive business and networking opportunity of the year for you.

Kind regards,

Gina Bester
Managing Director, Terrapinn Ltd – South Africa

STARTUP CONF

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Exhibition highlights	Page 15 – 24
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VISITOR ATTRACTIONS

The Water Show Africa will play host to many visitor attractions, bringing to life the learning from the conference and seminars through a series of thought-provoking installations and live interactive launches, showcases and interviews, located within the exhibition floor.

THERE'S AN EXPERIENCE FOR EVERYONE...



START-UP PAVILION



EVENT APP



LAUNCHES AND DEMOS



PEER-TO-PEER MEETINGS



WATER SEMINAR



WATER IN AGRI



WATER IN MINING



SOURCE THE LATEST TECH

“Great speakers, great networking opportunity, important topics were covered.”
Kamohelo Potloane, Head: Customer Service Development, Rand Water



“Great platform to meet and network with suppliers and also for knowledge of what's available in the industry”
Sibusiso Malinga, Director, Nestle, South Africa



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SEMINAR HIGHLIGHTS



THE WATER SHOW AFRICA 2020 SEMINARS

The Water Show Africa seminars are free-to-attend, offering visitors an unparalleled peer-to-peer learning opportunity.

They bring together expert speakers from across water sector to provide insight, showcase innovation, share best practice and discuss ideas on trends in the sector. They aim to find innovative and cost-effective solutions to some of the technical engineering challenges the industry faces on a daily basis.

DON'T MISS OUT ON THE LATEST

- **Impact of climate change on water availability**
- **Cost-effective disinfection of water**
- **Online monitoring of water quality**
- **What do investors expect from water in 2020?**
- **Boreholes and groundwater**
- **What industrial utilities need from the private sector**
- **Water management integration**
- **Tech to support planning against water scarcity**
- **Water stewardship**
- **Solar powered sea water desalination**
- **Water reuse innovations**
- **From dams to final water distribution: requirements and suitable solutions**
- **How automation and advanced modelling is reinventing industrial wastewater treatment**
- **Integrated water resources management: how to make it work?**
- **How will renewables impact desalination?**
- **New Challenges of Speciality Waste Treatment Systems**

SEMINAR SCHEDULES

DAY ONE – 20 AUGUST 2020	
10:30	Impact of climate change on water availability and how 4IR can provide insights and solutions into mitigating climate change effects Motebele Moshodi , Co-founder and Product Development Lead, Yellow Beast
11:00	Disinfection of Water Oliver Timms , Sales Manager, Evoqua Water Technologies + SAC Pty Ltd
11:30	The Ruhens Business Opportunity Caillin Pillay , Assistant Manager, Neutratch South Africa
12:00	Panel What do investors expect from water in 2020? Konstant Bruinette , Deal Originator, DBSA Alex Mcnamara , Programme Manager, NBI Romain Sormani , MD, Turnkey Water Solutions
12:30	Introducing the Icy Diverter A brand new, proudly South African patented household water saving device Reserved for Icy Shower Water. Divert and SAVE
13:00	Water Management Integration Wouter De Kock , Marketing Director, Flecto Sense
13:30	Water scarcity in South Africa and water stewardship Ashok Kumar Chapagain , Senior Professor, University of Freestate
14:00	How much of the waste can we take out of wastewater? Reserved for Sizabantu
14:30	Could reuse be bigger than desalination by 2025? Herman Smit , Managing Director, Quality Filtration Systems
15:00	Water Filtration for the Future – What is needed? Vincent Francisco , General Manager, Wellmax Energy and Water Management

DAY TWO – 21 AUGUST 2020	
10:30	Impact of climate change on water availability and how 4IR can provide insights and solutions into mitigating climate change effects Motebele Moshodi , Co-founder and Product Development Lead, Yellow Beast
11:00	Carbon footprint reduction in wastewater treatment through energy efficient aeration Phillip Majeka , Process Engineer, ERWAT South Africa
11:30	Event Highlight Dew Tech Introducing DEW TECH Atmospheric Water Generators
12:00	Granulator blast furnace as a filter to treat wastewater Tebogo Mashifana , Senior Lecturer, University of Johannesburg
12:30	Boreholes and Groundwater Sibusiso Malinga , Director, Indalo Water and Energy Solutions
13:00	What do industrial utilities need from the private sector? Reserved for Aqua Air Africa
13:30	Disinfection of Water Oliver Timms , Sales Manager, Evoqua Water Technologies + SAC Pty Ltd
14:00	Fast, flexible and cost-effective dewatering –An overview of geotextile dewatering tubes and their application in water and wastewater management Carien Spagnuolo , General Manager, Zebra Tube
14:30	An original approach to solar powered sea water desalination Patrice Boyer , CEO, Turnkey Water Solutions Romain Sormani , MD, Turnkey Water Solutions
15:00	Rating of Portal drinking water, by source/ origin The 4-current labelling, and what it means Fifi Naran , Director, Paane Water
15:30	Reduced energy costs due to online monitoring of Water Quality

DAY ONE – 20 AUGUST 2020	
10:30	Generate income from rural water supply through supply and dispense system. Niren Rohanlal , Lead Business Development Manager, Grundfos
11:00	Integrated water resources management: how to make it work? Theunis Lodewyk Duminy , Head of Water, iX engineers
11:30	COD FRACTIONATION – How it may affect your discharge compliance
12:00	Water Professionals Workshop by Umgeni Waters
12:30	Water measurement using long range telemetry and the cloud Dr Ian Campbell , Director, CamDav Data Tech
13:00	Appropriate technologies: low-cost innovations from concept to business plan Bjoern Pietruschka , Director, H2O Sanitation Services
13:30	Water 2030: reduce, reuse, recycle, restore and recover Tsholofelo Mothibi , Corporate Services Manager, 4Degrees Consulting
14:00	Water & wastewater plant performances and optimization approaches Reserved for SqwidNET
14:30	ICT platforms and apps: new initiatives and approaches to information sharing Wihan Van Zyl , COO, MCI IT
15:00	Managing multiple stresses in dynamic water resources Gordon o'Brien , Director, Rivers of Life & University of Mpumalanga
15:30	Managing Water and Energy Scarcity: The Next-Generation Irrigation and Drainage solution Neil Lecler , Hon Assoc Prof UKZN; Specialist Agri Eng Consultant, Agri Drainage

DAY TWO – 21 AUGUST 2020	
10:30	Leaking Potable Water Reservoirs: Cost Effective Rehabilitation Walter Meyer , Executive manager, Aquatan
11:00	Let technology pay for your infrastructure- water transfer energy optimization. Bennie Thiar , General Manager, Grundfos
11:30	Smart water and ICT: applications for developing and developed countries Usual Moonsamy , Chief Solutions Officer, SqwidNet
12:00	Renewable energy water supply – Driving food security in Africa Stephan Venter , Product Specialist, Grundfos
12:30	Reducing disaster risks: improving preparedness and resilience Dr Tendai Sawunyama , Catchment Management Agency, Inkomati-Usuthu Water Management
13:00	Dr Thomas Gyedi-Ababio , CEO, Inkomati-Usuthu Catchment Management Agency
13:30	Outbreak management – learning from crisis
14:00	Local participation: emerging roles and opportunities for small and large business Styger Kruger , Mechanical Engineer, Greenchain Group
14:30	Optimisation of water supply and sewer networks and processes
15:00	Rehabilitation and retrofitting of water and wastewater infrastructure
15:30	Water-sensitive urban design and hybrid centralised and decentralised solutions

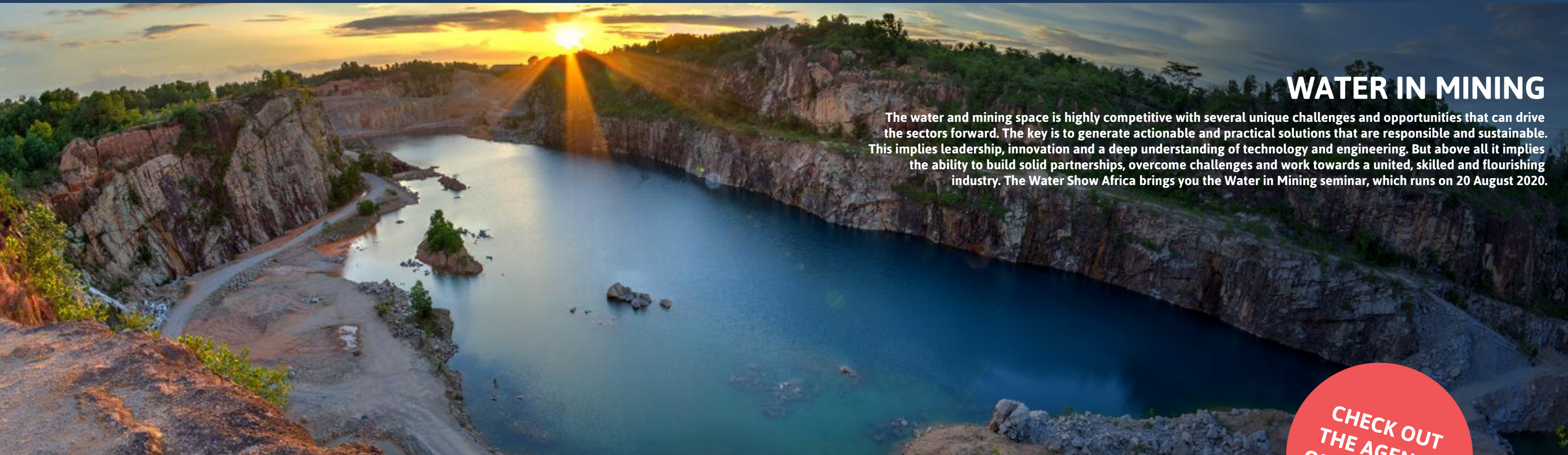


“Great event, with a good range of speakers”
Anna Mdee, water@leeds Associate Director,
 University of Leeds, United Kingdom

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WWW.TERRAPINN.COM/WATERAFRICA

WATER IN AGRICULTURE AND MINING

In 2019, we introduced two new tracks into our agenda. We are excited to be adding more around these topics in 2020.



WATER IN MINING

The water and mining space is highly competitive with several unique challenges and opportunities that can drive the sectors forward. The key is to generate actionable and practical solutions that are responsible and sustainable. This implies leadership, innovation and a deep understanding of technology and engineering. But above all it implies the ability to build solid partnerships, overcome challenges and work towards a united, skilled and flourishing industry. The Water Show Africa brings you the Water in Mining seminar, which runs on 20 August 2020.

CHECK OUT
THE AGENDA
ON PAGE 37-42

WATER IN AGRICULTURE

Water use in agriculture is at the core of any discussion of water and food security. Agriculture accounts for 70% of all water withdrawals globally. Irrigated land is more than twice as productive as rain-fed cropland, yet the efficiency of water use in agriculture still looms large. To help address the challenges and opportunities in water in agriculture. The Water Show Africa brings you the Water in Agriculture seminar, which runs on 21 August 2020.



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EXHIBITION HIGHLIGHTS





“It was informative, and I was impressed by new technology and Innovation that will help to address water challenges that South Africa and Africa as a whole is facing”
Ernest Mogale, Senior Accountant, Ekurhuleni Metropolitan Municipality, South Africa

“Great for networking and discovering new technology available in the water industry”
Edokcia Maduna, Process Controller, Magalies Water, South Africa

EXHIBITORS & PARTNERS

BRONZE SPONSOR



WORKSHOP SPONSOR



DISCOVER THE LATEST INNOVATIONS ON THE MARKET. REGISTER FOR FREE:
WWW.TERRAPINN.COM/WATERAFRICA

EXHIBITORS



“*Learned a lot from the show and would definitely come back next year*”
 Pule Makena, Senior Specialist, City of Johannesburg, South Africa

LEAD MEDIA PARTNER



MEDIA PARTNERS



START-UP PAVILION

WITH THE EXPLOSION OF NEW AND INNOVATIVE COMPANIES WITHIN THE WATER SECTOR, THE WATER SHOW AFRICA PRESENTS ONE OF THE BIGGEST OPPORTUNITIES ON THE CONTINENT FOR START-UPS TO GAIN EXPOSURE TO THE INDUSTRY.

IN 2020, OUR START UP PAVILION PROMISES TO BE BIGGER AND BETTER THAN EVER BEFORE.

Hosting the latest technology companies in water, these companies will aid the adoption of a new wave of technology! **Sponsor now!**

A FREE OPPORTUNITY FOR START-UP COMPANIES WITHIN THE WATER SPACE TO:

- Increase sales leads
- Gain massive exposure
- Showcase their innovative solutions
- Network with 2000+ water professionals
- Get a foot in the door

Make sure you visit these ground-breaking companies at the Start-Up Pavilion on the exhibition floor.

OUR START-UPS:



DO YOU KNOW OF A START-UP?

If you know of a start-up company within the water space, then applications can be submitted at Shelga.Mkhize@terrapinn.com. T's & C's Apply



START-UP PAVILION



A proudly South African company distributing an exclusively South African patented water savings device called The ICY DIVERTER. Save an estimated 20 000 – 30 000L of drinking water per annum, by diverting first cold shower water away from the drain and collecting it for later use. Visit our stall for a demo!



Flecto Sense is a manufacturer of cutting-edge water management devices that brings unprecedented resource and revenue protection to the market. Our modular solutions allow for end-to-end water management, from sub-metering all the way through to municipal environments requiring bulk meter control and water shedding via the cloud



The Hippo Roller, is a water-carrying container, purposely engineered with rural conditions in mind. More than 2.1 billion people worldwide do not have access to safe water at home. Our goal is to provide "appropriate technology for improved access to water" to those who struggle daily with this basic human right.



WATERBASE is sophisticated German technology proudly offered by Shift Innovation (Pty) Ltd, an engineering company specialising in unique, tailor-made technical solutions to water and energy challenges. WATERBASE features modular construction, decentralised, sewer-free design, electronic performance monitoring and is solar powered to answer the quest for silent, clean, invisible water retrieval. With 40 years' experience in engineering and well established in the provision of solar power solutions for industry and domestic applications, Shift Innovation (Pty) Ltd is committed to a green future incorporating WATERBASE Waste water treatment in SA.



Soweto Amanzi is the biggest water plant in Soweto, we are partners with Rows Ro water which has a number of water plants throughout the borders of the Republic, we at Soweto Amanzi do personal branding free delivery, we again install water bars and water dispensers.



"Water autonomy and security from decentralised and renewable infrastructure. We harness the Abundance of Sun and Saltwater in Southern Africa to provide everyone with clean water!"



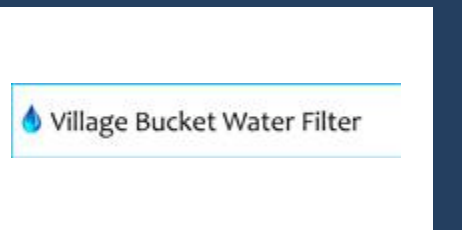
TankTek (PTY) Ltd. Specializes in the inspection, maintenance and refurbishment of bulk water storage tanks for fire water, plant and domestic water supply as well as new water storage tanks (Round Welded Steel, Galvanises Sectional Tanks and Underground Tanks).We also do environmental impact studies as well as water use authorisation applications



Blutech Group is an independent contractor based in Port Elizabeth, Eastern Cape. We specialize in the treatment of groundwater and surface water. Our approach to treating your water is to maximize output and to minimize costs and downtime. The design and installation are individually tailored to each applications requirement.



Description: Greenchain Group provides turnkey water filtration solutions from treating rain, ground or process water to specialized reverse osmosis plants for residential, commercial and industrial applications. We supply, install and maintain water filtration and purification systems for homes and businesses nationwide



The Bucket Water Filter is a home use product that cleans water to make it safe. It removes all the dirt/dust particles in water and further removes all harmful contaminant (Cholerae, Typhoid, Botulism, etc), by up to 99,999%. The filter can be connected to a bucket, tap, Jojo tank tap, plastic drinking bottle. It is affordable, long lasting, easy to use, portable and light weight.



We work with a range of well-known pump manufacturers (O.E.M.), ensuring that we source the most suitable technology to meet client needs. Our services include supply, installation, servicing and maintenance of pumps and valves. Also supplying control gear and pump spare

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Secure your seat today! www.terrapinn.com/waterfrica

NETWORKING



NETWORKING

SELECT WHO YOU WANT TO MEET

BUSINESS MATCHMAKING IS AN INTEGRAL ELEMENT OF THE WATER SHOW AFRICA EXPERIENCE. MAKING RELEVANT CONNECTIONS IS THE REASON WHY THIS IS THE GO-TO EVENT WITHIN THE WATER SECTOR.

We recognise the value and importance of networking, and we aim to add value to your experience and increase your networking potential and sales leads for the year.

HOW IT WORKS:



Register for The Water Show Africa at www.terrapinn.com/waterafrica



Download the 'Terrapinn Events' app from your app store and search for 'The Water Show Africa 2020'



An invitation email with a personalised link and your login details will be sent to you.



View attendee profiles, seminar agendas, floor plans and more – **Your personal event guide!**

IT'S THAT SIMPLE!

Once you're onsite, be sure to make use of the meeting hub where you will find a dedicated networking manager who will assist you with any of your networking needs.



PLAN YOUR TRIP

6 TOP TIPS FOR YOUR VISIT TO WATER SHOW AFRICA

1

Pre-register in advance. You can then print your badge onsite and skip the queues.
www.terrapinn.com/waterafrica

2

Create a personalised itinerary planner to book the exhibitors and speakers that you want to meet and hear from

3

If you want to meet buyers, be sure to buy a conference ticket and get full access to the networking app – www.terrapinn.com/waterafrica

4

Browse the exhibitors that will be on the floor so that you can navigate the latest water trends: www.terrapinn.com/waterafrica

5

Source innovative suppliers in advance and contact them before you visit the show. By registering you will automatically receive access to this online matchmaking platform. It's that simple!
www.terrapinn.com/waterafrica

6

Plan your travel to make sure you maximise your time at The Water Show Africa: www.terrapinn.com/waterafrica

"Strategic partnership opportunities to venture into global partnerships"

Luvuyo Nxokwana, Chief Executive Officer, **AGREDIA**, South Africa

LOCATION & TIMES

Sandton Convention Centre | 161 Maude Street, Sandton, Johannesburg | Tel: +27 (0) 11 779 0000

Thursday, 20 August: 10am – 5pm

Friday, 21 August: 10am – 5pm

PARKING

Paid covered car park at Sandton City, located next to the Sandton Convention Centre

GAUTRAIN

The Sandton Gautrain station is located on 155 West St, Sandown, Sandton. The venue is only a 2 minute walk from the station

CONFERENCE HIGHLIGHTS



WATER DISRUPTORS

"We never know the worth of water till the well is dry" Thomas Fuller



Solutions development team leader and innovator for building resilient cities.

Engineer, social scientist and magician.

Master of all things concerning cybersecurity.

Global water leader and expert in water governance affairs.

A specialist in water care facilities, a professional process controller, natural scientist and water care technologist.

The statistician to bring water quality and analyses to your utility.

KATRIN BRUEBACH
 Director: Urban Water & Sanitation Solutions
100 Resilient Cities
 United Kingdom

PETER PREVOS
 Manager of Data Science
Coliban Water
 Australia

LOHAN SPIES
 Cyber-security Technical Expert
IXO Foundation
 South Africa

DR WILLIAM MUHAIRWE
 Executive Director
Global Waters Leaders Group
 Uganda

TSHEPISO MAJA
 Water Care Technologist
Department of Public Works
 South Africa

MIGHTY MOHOTSI
 Water Quality Statistician
Rand Water
 South Africa



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PRE-EVENT WORKSHOP

DATA SCIENCE AND FINANCING FOR WATER PROFESSIONALS

WEDNESDAY, 19 AUGUST 2020

08:00	Registration and refreshments
08:50	Welcome
09:00	Session 1: Principles of strategic data science (with case studies) Peter Prevos, Manager of Data Science, Coliban Water, Australia
10:30	Morning refreshments and networking
11:00	Session 2: Implementing data science in a water utility (with case studies) Peter Prevos, Manager of Data Science, Coliban Water, Australia
12:30	Networking lunch
13:30	A framework for funding water projects through public-private partnerships (PPPs) <ul style="list-style-type: none">• Encouraging long-term partnerships• Adapting to a non-traditional approach• Applying strict legislation to protect private investments• Forming an evaluation framework Rose Alabaster, Director: Programme Development, WEHDI, Switzerland
14:30	An analysis of the benefits of cost-sharing in water <ul style="list-style-type: none">• Understanding the use of partnerships to tap into new sources of finance• Learning how to work with related industries for profitable cross-subsidisation• Approaching water financing with an intergenerational approach• An overview of success stories Alex Money, Founder and Programme Director, Oxford University, United Kingdom
15:30	PANEL: Full scale funding – how to raise funds for water infrastructure <ul style="list-style-type: none">• How to close the funding deficit gap for water infrastructure• Steps to building a transparent funding model• Diversifying investments and allocation of funds• Creating localised contribution schemes for financial muscle Moderator: Peter Prevos, Manager of Data Science, Coliban Water, Australia Panellists: Alex Mcnamara, Programme Manager: Climate and Water, National Business Initiative (NBI), South Africa Alex Money, Founder and Programme Director, Oxford University, United Kingdom Rose Alabaster, Director: Programme Development, WEHDI, Switzerland
16:30	End of workshop, afternoon refreshments & networking



BECOME PART OF OUR STORY.
Book your seat online today! www.terrapinn.com/waterafrica

WATER DISRUPTORS

The Water Show Africa Conference is for those who are serious about delivering true water innovation across Africa.



A connoisseur of water related matters and public private partnerships within the Federal Ministry of Water Resources in Nigeria.

All rounded water specialist and leader who has accumulated multi-level skills within the water industry.

A revolutionary health policy researcher in the water industry.

Prominent environmental activist and stakeholder in the mining industry.

An inter-disciplinary expert in the field of sustainable development, with specialist expertise in energy, climate change and water.

Mentor for driving change through policy and governance.

BENSON AJISEGIRI
 Head Water Sector Reform & PPP,
 Water Sector Reform & PPP
Federal Ministry of Water Resources,
 Abuja, Nigeria

SANDILE NGCOBO
 Bulk Operations Manager
Magalies Water
 South Africa

BERNARD MUTSAGO
 Health Technical Manager
World Vision South Africa
 South Africa

MARIETTE LIEFFERINK
 Chief Executive Officer
Federation for a Sustainable Environment
 South Africa

ALEX MCNAMARA
 Programme Manager: Climate and Water
National Business Initiative (NBI)
 South Africa

DR ANTHONY TURTON
 Professor
University of The Free State
 South Africa



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AGENDA DAY 1

THURSDAY, 20 AUGUST 2020

08:45	Organiser's opening remarks						
08:50	Chairperson's opening remarks Prof. Hamanath Kasan , General Manager – Scientific Services Division Vice President - African Water Association, Rand Water, South Africa						
BIG PICTURE							
09:00	A circular industry: Diversified water resources for leading industrial end-users <ul style="list-style-type: none"> How are leading end-users approaching wastewater reuse and recycling Getting buy-in from stakeholders New models, new finance methods – developing a water wise approach to business The benefits of cloud-based asset management for water re-use Emerging innovations for alternative water supply Muminu Badmus , Group Managing Director & CEO, Lagos Water Corporation, Nigeria						
09:40	Building resilience through water: How smart cities navigate a changing climate and uncertain future <i>For the first time in the history of the World Economic Forum Global Risks Report, the top five risks in terms of likelihood all relate to water. Building the knowledge, skills and tools suited to meeting these complex challenges is essential to enabling cities to anticipate, plan for and thrive under water-related shocks and stresses. Besides, the world becomes increasingly interconnected and technology dependent. Being smart is the future of urbanism.</i> <i>Smart cities bring together efficient and reliable infrastructure, services and technology to enhance the quality of urban life, create economic opportunities for residents and enhance their interactions with the urban environment. Whether through regenerative water services, leveraging technological innovations, the reuse of treated wastewater, advancing water sensitive design strategies and planning for uncertainty by creating green infrastructure, water smart cities must become the new standard to ensure long term urban water resilience.</i> Katrin Bruebach , Director: Urban Water and Sanitation Solutions, Global Resilient Cities Network, Singapore						
10:00	The dawn of the digital water economy <ul style="list-style-type: none"> The digital water opportunity for utilities ICT as a building block for convergent communication Turning customer insights into revenue Data science advances and analysis sensors: amplifying the impact of data analytics VR and AI possibilities for water utilities Using intelligent water platforms for water abundance 						
10:20	Speed Networking						
	10:00 Exhibition opening						
10:40	Exhibition viewing, Networking and Refreshments						
	<table border="1"> <thead> <tr> <th>Track 1</th> <th>Track 2</th> <th>Track 3</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">FINANCE AND INVESTMENT Chairperson: Justin Friedman, Advisor, Biomimicry, South Africa</td> <td style="text-align: center;">WATER TREATMENT Chairperson: Rivonia Pillay, Engineer, Department of Water Affairs, South Africa</td> <td style="text-align: center;">WATER IN MINING Chairperson: Alex Kuvarega, Senior Lecturer, University of South Africa, South Africa</td> </tr> </tbody> </table>	Track 1	Track 2	Track 3	FINANCE AND INVESTMENT Chairperson: Justin Friedman, Advisor, Biomimicry, South Africa	WATER TREATMENT Chairperson: Rivonia Pillay, Engineer, Department of Water Affairs, South Africa	WATER IN MINING Chairperson: Alex Kuvarega, Senior Lecturer, University of South Africa, South Africa
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ROUNDTABLE DISCUSSIONS			
12:20	Now's your chance to get really interactive! Simply pick one of our roundtable topics and join the debate. Numbers will be limited at each table, to ensure everybody gets their chance to participate in the discussion.		
	1. Water Wars: an uncertain future with population growth and climate change Rivonia Pillay , Engineer, Department of Water Affairs, South Africa	2. Bulk water planning to ensure sustainable water supply in KwaZulu-Natal Kevin Meier , Planning Services Manager, Umgeni Water, South Africa	3. One of Africa's largest greywater reuse system: Stellenbosch University case study Benjamin Biggs , Sustainable and Infrastructure Municipal Engineer, Jg Afrika, South Africa
	4. The relation between international trade and freshwater scarcity David Stephenson , Professor, Stephenson & Associates, South Africa	5. Fuelling finance and investment for sustainability in water growth Mogan Padayachee , Manager Innovation And Technology, Rand Water Services, South Africa	6. Navigating the bumpy ride towards digital transformation in water utilities Debbie Donaldson , Leadership and Personal Coach, Deep Democracy, South Africa
	7. How leadership and governance can influence the practical implementation of cross border sharing strategies Rapelang Patala , PhD candidate, University of South Africa, South Africa	8. Multifunctional membranes for water purification Felix Nworie , Lecturer, Ebonyi State University Abakaliki Nigeria, Nigeria	9. Microplastic drain water bodies: Identification, characterization, mitigation, and environmentally friendly alternative
13:00	Networking Lunch and Exhibition Visit		
	Track 1 THE NEED FOR EFFICIENCY Chairperson: Justin Friedman, Advisor, Biomimicry, South Africa	Track 2 CASE STUDIES Chairperson: Rivonia Pillay, Engineer, Department of Water Affairs, South Africa	Track 3 WATER IN MINING Chairperson: Alex Kuvarega, Senior Lecturer, University of South Africa, South Africa
14:20	Health impact: effects of cracked pipes, water pressure and water leakages Didier Ilunga , Senior Pipeline Engineer, Rand Water Services, South Africa	The use of Multi-Criteria Decision Analysis (MCDA) to evaluate Apparent and Real Losses in the water distribution network (WDN) Patrick Mathye , Regional Manager, Johannesburg water, South Africa	Industrial water treatment - Perspectives on water sustainability versus profitability in mining Kirshen Naidoo , Market Segment Leader - Industrial water, Royal HaskoningDHV, South Africa
14:40	Data is key to asset efficiency in water sector Tshepiso Maja , Water Care Technologist, Department of Public Works, South Africa	Klip River Water Stewardship Initiative Andrew Barker , Chairman, KlipSA, South Africa	Water in mining Clifford Hallatt , Group Project Manager, Menar, South Africa
15:00	The Digital Revolution and Sustainable Development: opportunities for water utilities Dr Paul Yillia , Research Scholar, International Institute for Applied Systems Analysis, Austria		Water Resource Management in a transboundary context Jennifer Molwantwa , Executive, Inkomati Catchment Management Agency, South Africa
	COUNTRY SPOTLIGHT – EAST Chairperson: Justin Friedman, Advisor, Biomimicry, South Africa	TECHNOLOGY & AUTOMATION	WATER IN MINING
15:20	The hottest projects in Mozambique and what is being done to open the door for investment <i>This presentation covers projects from the entire water spectrum</i> Belis Matabire , WASH Coordinator, World Vision International, Mozambique	The digital difference: amplifying big data and analytics Mthokozisi Ncube , Water Sector Specialist, Development Bank of Southern Africa, South Africa	Intelligent Monitoring of Water Systems in the Mining industry André Laubscher , Superintendent Engineering, Sibanyestillwater, South Africa
15:40	The hottest projects in Kenya and what is being done to open the door for investment <i>This presentation covers projects from the entire water spectrum</i> Yvonne Nkatha , Co founder, Gambino bottling limited, Kenya Wangui Kagera , Co Founder, Gambino bottling limited, Kenya	Vigilant data security: making cybersecurity a priority Lohan Spies , Cyber-security Technical Expert, IXO Foundation, South Africa	Industrial mining water treatment solutions Gerardo Pretorius , Water Management Engineer, SibanyeGold, South Africa
16:00	The hottest projects in Ethiopia and what is being done to open the door for investment <i>This presentation covers projects from the entire water spectrum</i> Desto (Yoseph) Wodebo , Hydrologist, Federal Water and Energy Design Supervision Works Sector, Ethiopia	Re-engineering water sustainability in rapidly growing urbazing Africa through innovation Mudau Lutendo Sylvia , Senior Lecturer: Environmental Health, Tshwane University of Technology, South Africa	Mine Water: a catalyst for integrated environmental and social development Dionne Kerr , Executive Director, Siyakha, South Africa
16:20	Exhibition Visit, Networking and Refreshments		

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AGENDA DAY 1

THURSDAY, 20 AUGUST 2020

REGULATION AND REFORM	
17:00	Keynote Panel: Regulation and policy: Driving forward collaborative development and innovation <ul style="list-style-type: none"> Water, the economy and big picture drivers: Why the one needs the other Policy that enables technology acceleration The proactive vs reactive approach – reduce, reuse, recycle Carving a regulatory and reform plan to protect against water waste How are utilities collaborating and co-creating innovation models for a sustainable future How governments are driving policy and regulatory change to implement infrastructure backlogs Chair: Justin Friedman, Advisor, Biomimicry, South Africa Panellists: Jørgen Erik Larsen, Head Of Strategic Sector Cooperation Team And Counsellor, Ministry of Foreign Affairs of Denmark, South Africa Benoit Le Roy, Co-founder, The South African Water Chamber, South Africa Dr Gisela Kaiser, Director: Sustainable water management, Water Globe Consultants, South Africa Rose Alabaster, Director: Programme Development, WEHDI, Switzerland Dr Anthony Turton, Professor, University of The Free State, South Africa
17:40	Chairpersons closing address and close of day one
18:00	Party!

WHO ATTENDS

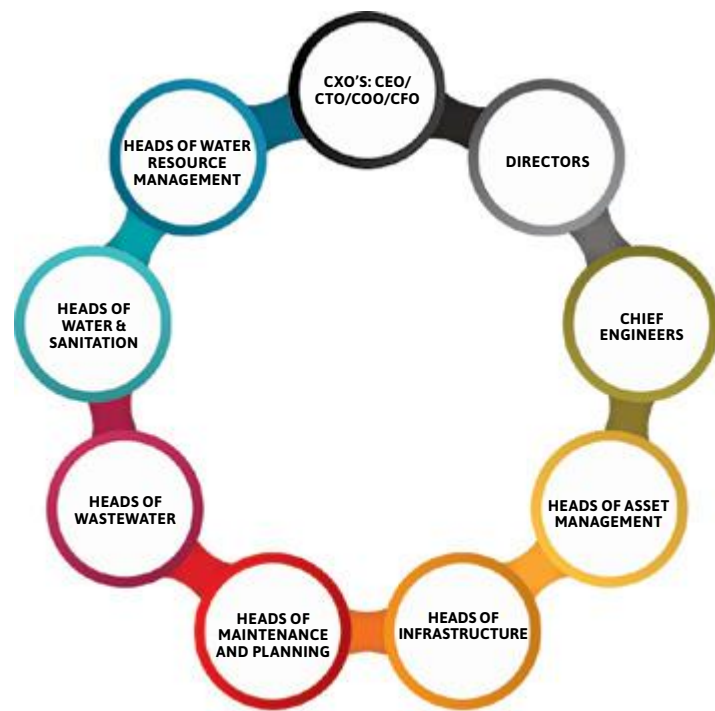
2000
ATTENDEES

300
VIPS

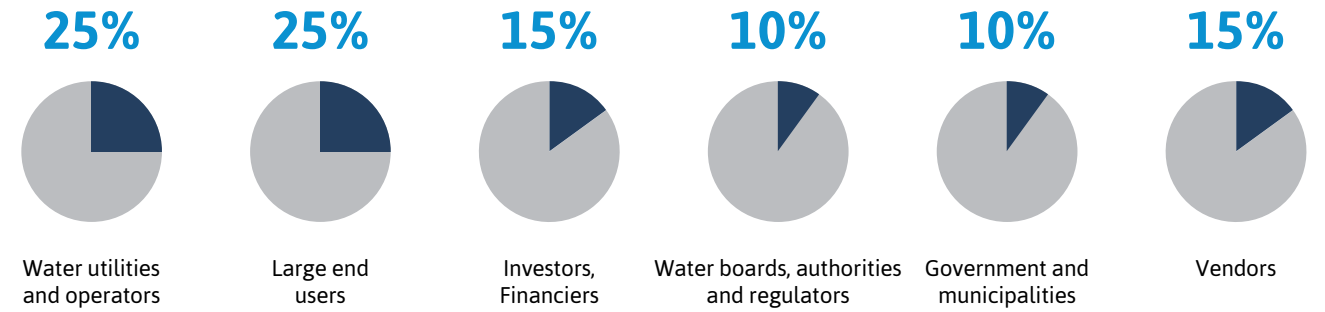
100
SPEAKERS

60
EXHIBITORS

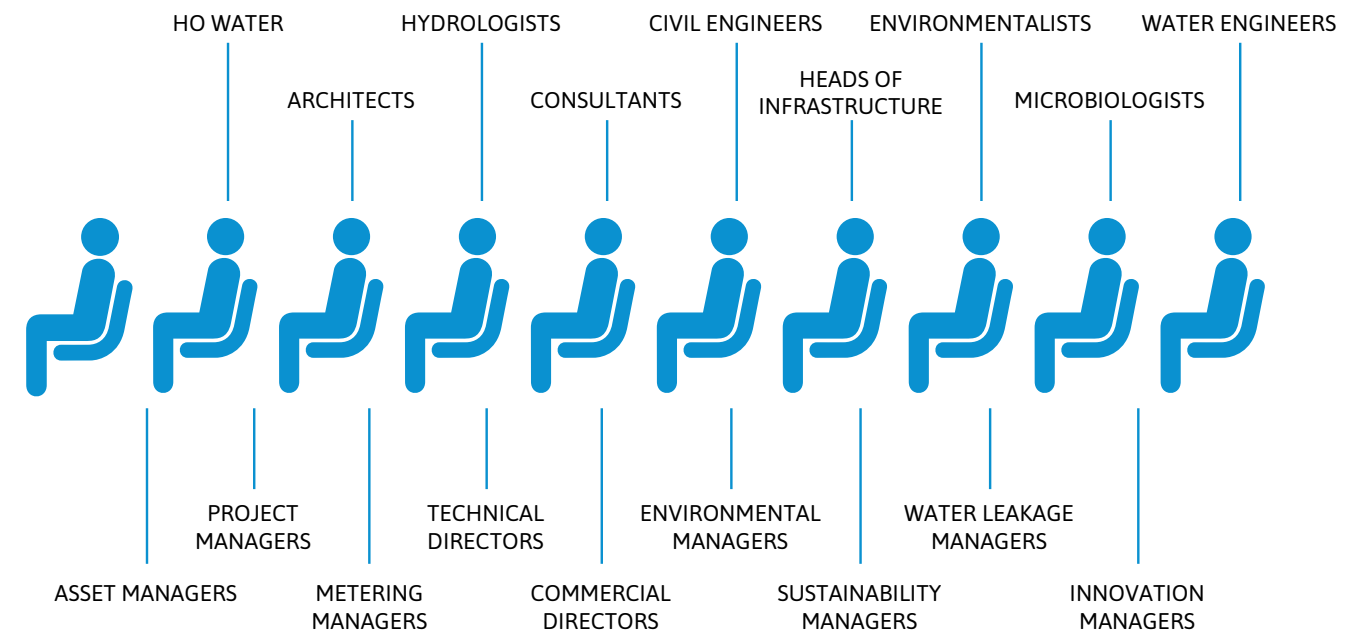
IN THE CONFERENCE



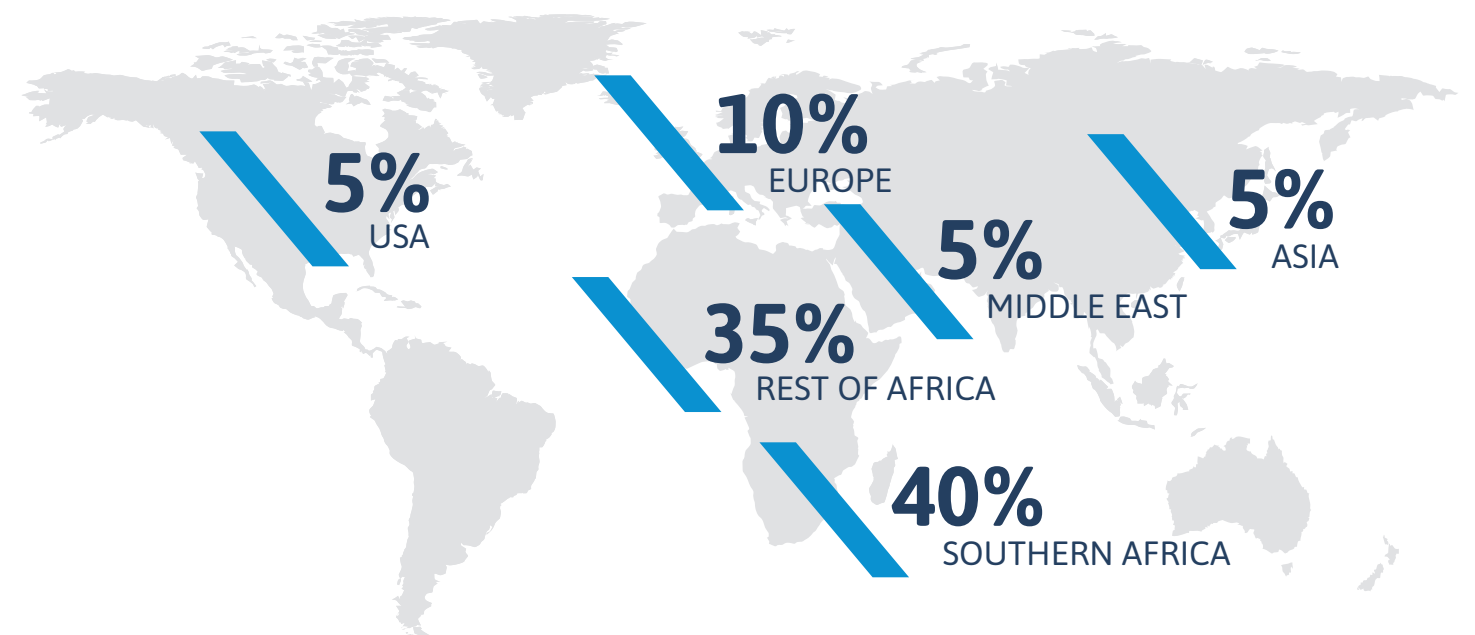
BY INDUSTRY



AT THE EXHIBITION:



BY REGION



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"It's informative and interactive – very educational."
Mabasa John Gumbo, Senior Civil and Water Engineer, Johannesburg Water, South Africa

AGENDA DAY 2

FRIDAY, 21 AUGUST 2020

08:50	Chairperson's opening remarks		
	THE WATER BUSINESS		
09:00	Rethinking desalination: Desalination 2.0 on your doorstep <ul style="list-style-type: none"> What will desalination look like in the African context? How far away are we from implementing game-changing applications and technology? Creating an economy of scale that will make it significantly more commercially viable Controlling brine waste discharge as demand for desal increases The future of desal markets despite increasing water stress and drought Gigi Karmous-Edwards, President, Water Sector at Karmous-Edwards Digital Consulting, United States		
09:20	Water 2030: Innovation, opportunities, priorities and the future <ul style="list-style-type: none"> Leadership and coalitions – combating scarcity Successful regulatory drivers – supporting innovation Navigating the digitisation road The changing utility and water supply business model Where to from here? Dr William Muhairwe, Executive Director, Global Waters Leader Group, Uganda		
09:40	Panel discussion Behind the big business of water <ul style="list-style-type: none"> Learnings from outside the water sector Venture financing and promise for water smart solutions A focus on small-scale private operators and startups - a common place for developing countries Opening the markets for water treatment & distribution solutions Long-term gains and wins for staying in the water business Panellists: Yvonne Nkatha, Co founder, Gambino bottling limited, Kenya Wangui Kagera, Co Founder, Gambino bottling limited, Kenya Alex Money, Founder and Programme Director, Oxford University, United Kingdom Greg Duggan, Sustainability Director, Sustainable Water Council, South Africa Dorcas Onyango, Director - partnership management, Coca-Cola Africa, South Africa		
10:20	Speed Networking		
10:40	Exhibition viewing, Networking and Refreshments		
	Track 1	Track 2	Track 3
11:20	SUPPLY, QUALITY & REUSE Chairperson: Thulani Mlilwana, Structural Engineer, Delta Built Environment Consultants, South Africa	INFRASTRUCTURE DEVELOPMENT Chairperson: Rivonia Pillay, Engineer, Department of Water Affairs, South Africa	WATER IN AGRICULTURE Chairperson: Alex Kuvarega, Senior Lecturer, University of South Africa, South Africa
	Panel: Water for all: how to balance supply and demand Panellists: Mmaphefo Thwala, Water Project Manager, N.B.I., South Africa Sudhir Pillay, Research Manager: Sanitation, Water Research Commission, South Africa Patience Nhari Mukuyu, Researcher: Transboundary Water Management, International Water Management Institute, South Africa Joanna Fatch, Project Manager, AU/NEPAD Southern African Network of Water Centres of Excellence, South Africa Siphindile Sikhosana, Senior Manager: Metering And Revenue, Johannesburg water, South Africa	Panel: A big BIG project: Rejuvenating dilapidated water infrastructure Panellists: Kenneth Chense, Managing Director, Luapula Water and Sewerage Company Limited, Zambia Ian Cooke, Director, SD Venture Advisors, United Kingdom Bertus Bierman, Chief Executive Officer, Lebalelo Water User Association, South Africa	Panel: Invested development: impact of technology in agriculture Panellists: Morgan Brand, Farmer, Fresh Rots Farming, South Africa Tendai Sawunyama, Senior Hydrologist, Iwr Water Resources (Pty) Ltd, South Africa
12:00	Statistical Water Quality reporting Mighty Mohotsi, Water Quality Statistician, Rand Water, South Africa	Leveraging existing infrastructure: an integrated approach to achieving sustainability Benoit Le Roy, Co-founder, The South African Water Chamber, South Africa	A pathway to water, food and energy security in the face of climate change Jean-Marie Kileshye Onema, Executive Manager, WaterNet, Zimbabwe

ROUNDTABLE DISCUSSIONS			
12:20	Now's your chance to get really interactive! Simply pick one of our roundtable topics and join the debate. Numbers will be limited at each table, to ensure everybody gets their chance to participate in the discussion.		
	<ol style="list-style-type: none"> Forming a synergy between water and energy to create a convergent infrastructure Dr Olusola Ololade, Senior Lecturer: Centre for Environmental Management, University of Free State, South Africa Security of Water and Infrastructure during the 4th Industrial revolution and Global Warming Piet Maseema, Executive Specialist, Tshwane Municipality, South Africa A Holistic Approach in the Analysis of and Turn-Around Strategies for Municipal Water Supply Systems - The Perspectives of a Financier Konstant Bruinette, Deal Originator, DBSA, South Africa Carbonaceous materials for the adsorption of heavy metal containing wastewater and the reuse of spent adsorbent Iviwe Arunachellan, Ph.D Researcher, CSIR, South Africa Providing alternative options in agri processing and growing of food which rely less on water Picking from the low hanging fruit to solve the water shortage crisis Audrey Maake, Environmental Scientist, East Rand Water Care Company – ERWAT, South Africa Preparing for a green environment before climate change sucks us dry Global water shortages could trigger the human migration crisis Sustainable Growth and Expansion Initiatives in the Water Sector – Skills and Inter- Governmental Alignment Thandeka Jwara, President: Umgeni Water Young Professionals, Umgeni Water Young Professionals, South Africa Human consumption vs. animal consumption, a negotiation deal that may lead to disaster 		
13:00	Networking Lunch and Exhibition Visit		
	Track 1	Track 2	Track 3
14:20	COUNTRY SPOTLIGHT – SOUTHERN Chairperson: Thulani Mlilwana, Structural Engineer, Delta Built Environment Consultants, South Africa	URBAN Chairperson: Rivonia Pillay, Engineer, Department of Water Affairs, South Africa	WATER IN AGRICULTURE Chairperson: Alex Kuvarega, Senior Lecturer, University of South Africa, South Africa
	The hottest projects in Botswana and what is being done to open the door for investment <i>This presentation covers projects from the entire water spectrum</i> David Stephenson, Professor, Stephenson & Associates, South Africa	Global Smart Cities: Africa's rapid urbanization Itumeleng Mmutloane, Chief Engineer, Ekurhuleni Municipality, South Africa	New challenges to protect water supply and demand for irrigated agriculture Samkelisiwe Hlophe-Ginindza, Research Manager, Water Research Commission, South Africa
14:40	The hottest projects in Swaziland and what is being done to open the door for investment <i>This presentation covers projects from the entire water spectrum</i> Musa Shongwe, Plant Engineer, Swaziland Water, Swaziland	Tackling multi-level governance gaps to shape the future of urban water management Thabo Mndaweni Motaung, Acting Deputy Director Diversity and Change Management, Gauteng Office of the Premier, South Africa	Precision Agriculture & Water Management
15:00	The hottest projects in Zimbabwe and what is being done to open the door for investment <i>This presentation covers projects from the entire water spectrum</i> Krasposy Kanganga Kujinga, Programmes Coordinator, Waternet, Zimbabwe	Case Study: Learning from a crisis: Resilience to drought and avoiding Day Zero Peter Willis, Co-Founder, Drought Response Learning Initiative, South Africa	Dealing with competitive industrial end-user demands solving water scarcity Dorcas Onyango, Director - partnership management, Coca-Cola Africa, South Africa
	THE CUSTOMER	SKILLS DEVELOPMENT	WATER IN AGRICULTURE
	Chairperson: Thulani Mlilwana, Structural Engineer, Delta Built Environment Consultants, South Africa	Chairperson: Rivonia Pillay, Engineer, Department of Water Affairs, South Africa	Chairperson: Alex Kuvarega, Senior Lecturer, University of South Africa, South Africa
15:20	A battle-ground for water utilities: developing a habit of proactive customer service Mpho Chokolo, Scheme Manager, Lepelle Northern Water, South Africa	Combining key skill development with gamification Joshua Moepya, Learning and development, Department of Environmental Affairs, South Africa	The blue revolution: intersectoral alignment between agriculture, energy-use and environment Dr Olusola Ololade, Senior Lecturer: Centre for Environmental Management, University of Free State, South Africa
15:40	Consumer centric approach in water demand management initiatives Lunga Ntlokwana, Water Resource Planner, Alake Consulting Engineers, South Africa	A futurized workforce: future-skill your workforce now Muthoni Wanyoike, Team Lead, Instadeep, Kenya	8 innovative tips to conserving water for small-scale farmers Morgan Brand, Farmer, Fresh Rots Farming, South Africa
16:00	Reviving and reshaping customer engagement to enhance loyalty Sijabuliso Tshuma, Civil Engineer, Johannesburg water, South Africa	Ready for the future and ahead of the curve: creating effective water sector institutions Vanessa Weber, Chairperson, Young Water Professionals, South Africa	Facing the future: interrelation between water quality and food production Annie Estelle Ambani, Environmental Scientist, Data Analyst, and Research Consultant, University of Johannesburg, South Africa
16:20	Chairpersons closing address and close of day two Exhibition Visit, Networking and Refreshments		

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