



African Water and
Sanitation Association

Association Africaine de
l'Eau et de l'Assainissement


22nd AfWASA CONGRESS
16-20 Feb. 2025
Kampala, Uganda



94th Meeting of AfWASA Strategic and Technological Council (STC)

Theme : Disruptive Technology and Innovations as SDG 6
Accelerators in Africa

18-21 november 2024

International Resource Centre (IREC/NWSC)
Kampala Uganda





Context

With a world population now exceeding 8 billion, the management of essential resources, including water, is becoming a critical challenge. Drinking water supply and management of sanitation services in a context of rapid urban growth require innovative and sustainable solutions. The demand for fresh water has increased sixfold since the beginning of the twentieth century, reaching four billion cubic meters per year. However, only 3% of the world's water is fresh, and much of it is inaccessible, increasing tensions on this vital resource.

Facing such challenges, the global imperative to achieve the UN's Sustainable Development Goals (SDGs), whose target 6 aims to guarantee access to water and sanitation for all by 2030, and whose climatic conditions, population growth and increased pressure on resources are pushing service operators to move away from traditional solutions to reinvent new ones. **The need for new traditional approaches and innovative technologies is more realistic and essential.**



Problem

Achieving SDG 6 in Africa requires overcoming the current limitations of water and sanitation systems, marked by water scarcity, significant losses in networks and a dependence on conventional infrastructure, which is often unsuited to African realities. Disruptive solutions and technological innovations are needed to accelerate equitable and sustainable access to services.

Objective

The 94th AfWASA STC session aims to bring together African stakeholders and their partners around the theme "Disruptive Technology and Innovations as SDG6 Accelerators in Africa". This meeting, which will be held from 18 to 20 November 2024 at the International Resource Centre (IREC/NWSC) in Kampala, Uganda, will provide a platform for reflection and sharing on disruptive technological solutions capable of transforming water and sanitation management in Africa.

Areas of reflection

Discussions will focus on the integration of innovative technologies to address water and sanitation challenges in Africa. Among these, seawater desalination and membrane technologies will be explored to ensure a more efficient drinking water supply. Intermittent water management, tanker trucks, and the development of wells and protected springs are suitable solutions for restricted areas. Innovations in eco-friendly toilets, sustainable fecal sludge management, and the decentralization of urban sanitation services complement this approach. The adoption of renewable energies and the circular economy in sanitation will also be at the heart of the reflections.



Expected results

At the end of these three days of discussions, it is expected that:

- **A better understanding of disruptive technologies applicable to the African context;**
- **Identification of policies and regulatory frameworks suitable for the adoption of these technologies;**
- **Strengthening partnerships between water and sanitation sector actors to support innovations;**
- **The development of strategic recommendations to integrate these technologies into national action plans.**

In fine, achieving SDG 6 in Africa necessarily requires innovation and, the 94th AfWASA STC session will build this momentum by providing a space to explore solutions that will transform the water and sanitation sector, ensuring a sustainable future for Africa as a pre-platform before the upcoming 22nd AfWASA International Congress and Exhibition scheduled on 16-20 February 2025, same in Kampala, Uganda **at the Speke Resort Convention Centre (SRCC), at Munyonyo.**



Agenda

Time	Activities	Responsible
DAY 1 MONDAY, 18 NOVEMBER 2024		
08:00 - 09:00	Registration of participants	Secretariat (AfWASA - NWSC)
SESSION 1: OPENING CEREMONY		
09:00 - 09:05	Music Interlude	Master of Ceremony
09:05 - 09:10	Anthems & Opening Prayer	
09:10 - 09:30	Overview of the Uganda Water and Sanitation Sector and Strategic Interventions	Representative Ministry of Water and Environment (MWE), Republic of Uganda
09:30 - 09:45	Speech by the Executive Director	Mr. François Olivier GOSSO, AfWASA Executive Director
09:45 - 09:55	Speech by the AfWASA President	Dr. Eng. Silver MUGISHA, AfWASA President/MD NWSC Dr. Eng. Badru KIGGUNDU,
09:55 - 10:05	Remarks by the NWSC Board Chairperson	Chairperson NWSC Board of Directors
10:05 - 10:15	Official opening by the Chief Guest	
10:15 - 10:30	Group Photo/Press conference	
10:30 - 11:15	COFFEE BREAK	
SESSION 2: DISRUPTIVE TECHNOLOGY AND INNOVATIONS IN THE WATER AND SANITATION SECTOR - MODERATOR (TO BE CONFIRMED BY NWSC)		
11:15 - 11:35	Keynote: Integrating disruptive technology and innovation in water and sanitation supply: Case study of Uganda	Dr. Eng. Mahmood LUTAAYA GM Kampala
PANEL DISCUSSION		
	Representative SODECI (COTE D'IVOIRE)	Mr. Aimé LOUKOU Kouamé, Director Exploitation Centre of the SODECI, Côte d'Ivoire
	Representative ESTWATINI	Sicelo DLAMINI, ESTWATINI
11:35 -12:25	Representative LWB (MALAWI)	To be confirmed
	Representative ONEE (MOROCCO)	Mourad EI KHALFINI, Head of coopération, ONEE, Morocco
12:25 -12:45	General Q & A	
12:45 -14:00	LUNCH BREAK	
SESSION 3: RESEARCH AS A CATALYST FOR DISRUPTIVE TECHNOLOGY AND INNOVATIONS TO ACHIEVE SDG 6 IN AFRICA - MODERATOR: DR. ESPER NCUBE		
14:00 - 14:20	Keynote: Research as a key driver in technology and innovation advancements in Water and sanitation supply in Africa	Dr. Jennifer MOLWANTWA: CEO, WRC, South Africa

Time	Activities	Responsible
	PANEL DISCUSSION	
14:20 - 15:10	Representative Water for People	Brenda ACHIRO, Country Director, Water for People
	Representative 2iE	To be confirmed
	Representative ONAS (SENEGAL)	To be confirmed by ONAS, Senegal
	Representative from Makerere University	Ass Prof. Charles NIWAGABA, Ass. Prof of Civil Engineering, School of Civil Engineering, Design, Art and Technology (CEDAT), Makerere University
15:10 - 15:30	General Q & A	
15:30 - 16:00	COFFEE BREAK	
	SESSION 4: HIGH-LEVEL PANEL - GOVERNANCE AND FINANCING TECHNOLOGY AND INNOVATIONS. MODERATOR - DR MAMOHLODING TLHAGALE, HEAD BUSINESS DEVELOPMENT AND PARTNERSHIP, WRC/SOUTH AFRICA	
	PANEL DISCUSSION	
16:00 - 16:40	Representative of Africa Development Bank (AfDB)	To be confirmed
	Representative Development Partner (World Bank)	To be confirmed
	Representative Regional Regulation Body	Joan Asimwe, ESAWAS, Uganda
	Representative NWSC	Dr. Sylvia ALINAITWE, Deputy Managing Director Finance and Corporate Strategy
16:40 - 16:50	Representative Commercial Bank	To be confirmed
	General Q & A	
16:50 - 17:00	Synthesis and closing remarks for Day 1	Stanley, GWCL and Geraldine Mpouma LOGMO, CAMWATER
	SESSION 5: CLOSING OF THE DAY	
	DAY 2 - TUESDAY, 19 NOVEMBER 2024	
	SESSION 6: AFRICAN WATER AND SANITATION ASSOCIATION. MODERATOR (AFWASA): GERALDINE MPOUMA LOGMO, CAMWATER	
09:00 - 09:05	DEBRIEFING OF DAY 1	Geraldine Mpouma LOGMO, CAMWATER
09:05 - 09:20	Gender Report	Consultant
09:20 - 09:40	Africa Data Collaborative and Sharing	ATHENA INFONOMICS
09:40 - 10:00	AfWASA: Activity Reports	Mr. François Olivier GOSSO, AfWASA Executive Director
10:00 - 10:15	Business plan 22nd AfWASA Congress,	Mr. François Olivier GOSSO, AfWASA Executive Director
10:15 - 10:30	Kampala 2025 - Status of Preparations	Dr. Mahmood LUTAAYA, NWSC
10:30 - 11:00	COFFEE BREAK	

Time	Activities	Responsible
	SESSION 7: GROUP WORK	
11:00 - 12:30	Work in 8 Specialist Groups and the congress program committee: Report on activities done since July 2024 (Togo) and review of Workplan. SG1. Development and management of competences in water and Sanitation Utilities; SG2. Water quality management; SG3. Non-Revenue Water; SG4. City-wide Inclusive Sanitation; SG5. Financing and Investment management; SG6. Climate Change in Water and Sanitation; SG 7: Innovative Technologies in Water and Sanitation and Programme Committee (Selected team); SG 8: Rural Water and Sanitation	Based on existing Groups
12:30 - 14:00	LUNCH BREAK	
	SESSION 8: GROUP WORK (CONTINUED)	
14:00 - 16:30	Work in 7 Specialist Groups and the congress program committee: Report on activities done since July 2024 (Togo)B and review of Workplan and input into the Business plan. SG1. Development and management of competences in water and Sanitation Utilities; SG2. Water quality management; SG3. Non-Revenue Water; SG4. City-wide Inclusive Sanitation; SG5. Financing and Investment management; SG6. Climate Change in Water and Sanitation; SG 7: Innovative Technologies in Water and Sanitation and Programme Committee (Selected team). SG 8: Rural Water and Sanitation	Based on existing Groups
DAY 3: WEDNESDAY 20 NOVEMBER 2024		
Session 9: Group Work and closure. Moderator - Faustina BOACHIE, GWCL		
09:00 - 11:00	Presentations from Specialist Groups General Q & A	Based on existing Groups
11:00 - 11:30	COFFEE BREAK	
11:30 - 12:30	Presentations on Proposed Congress Forums (YWPs, Womens Forum, Mayors Forum, Operational Challenge)	Forum Heads
12:30- 12:45	General Q & A	
12:45 - 13:30	SESSION 10: CLOSING CEREMONY	
13:30 - 14:30		
14:30- 16:00	Visit of BSTW, Central Laboratory and Networking	
14:30- 16:30	Closing Cocktail, Victoria Gardens IREC	



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