### WS 1  M-SMOSS Part 1: Setting Priorities For Global And Local Indicators And Methods For Monitoring Onsite Sanitation

**Monday 11 December, Session 1, Room MH1**

This workshop will clarify how national monitoring systems can be designed to accommodate both national/local and global indicators, and inform programming and investments at different scales.

**Chairs:** Richard Johnston, Yvonne Magawa  
**Speakers:** Richard Johnston, Yvonne Magawa, Local Gov't Staff, Juliet Willets

### WS 2  Accelerating Digitalization Of WATSAN Service Providers In Low Resource Contexts

**Monday 11 December, Session 1, Room MH2**

This workshop aims at unpacking the pain points that public and private service providers experience vis-à-vis digitalization and discuss the approaches and business models to help scale affordable and high-quality digital products and services.

**Chairs:** Deepa Karthykeyan, Eunice Gnay  
**Speakers:** Rose Kaggwa, Representative from Arcadis, Remi Kaupp, Ameya Naik, Eunice Gnay

### WS 3  M-SMOSS Part 2: Strengthening Local And National Sanitation Data, Monitoring And Accountability

**Monday 11 December, Session 2, Room MH1**

The session will bring together sector practitioners to share experiences and case examples to improve regulatory and administrative data collection to better report against SMOSS indicators, confidence in addressing challenges specific to on-site sanitation, and practical tools and mechanisms to strengthen data systems to improve service delivery.

**Chairs:** Yvonne Magawa, Tom Slaymaker  
**Speakers:** Yvonne Magawa, Peter Mutale, Bruce Rutayisire, Tom Slaymaker, Batsirai Mujuru

### WS 4  Enabling Climate Resilience In Africa Through Better Groundwater Management

**Monday 11 December, Session 2, Room MH2**

This session will provide best practices of groundwater management in Africa, how groundwater can increase climate resilience, and how partnerships through capacity building and multi-stakeholder engagement can foster stronger solutions.

**Chairs:** Sebastian Rodas Madeiros, Lavuun Verstraete  
**Speakers:** Hanna Berhe, Philip Grinder Pedersen, Fanus Fourie, World Bank
<table>
<thead>
<tr>
<th>WS 5 Scaling Of Nature-based Solutions</th>
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<tr>
<td><strong>Monday 11 December, Session 2, Room MH3</strong></td>
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<tr>
<td>The aim of the workshop is to explore further upscaling and discuss with the participants how to secure inclusive sustainability of NbS. Only few Nature-based Solutions have been scaled so far. This session wants to review and emphasize important criteria for long lasting scaling of these solutions.</td>
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<tr>
<td><strong>Chairs:</strong> Monique Zwiers, Janette Worm</td>
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<td><strong>Speakers:</strong> Zamafuze Ngcobo, Miriam Esanju, Etienne Nacoulma</td>
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<tr>
<th>WS 6 Circular, Resilient, And Inclusive: Transforming The Water And Sanitation Sector</th>
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<tr>
<td><strong>Monday 11 December, Session 3, Room MH1</strong></td>
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<tr>
<td>Through this workshop participants will develop an understanding of circular economy principles as applied to the water and sanitation sector, and how to incorporate them in their work by learning from scenario-based group work.</td>
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<tr>
<td><strong>Chairs:</strong> Juliet Willets, Diego Rodriguez</td>
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<tr>
<td><strong>Speakers:</strong> Juliet Willets, Diego Rodriguez, Dr Dinh Van Dao, World Bank WICER teams,</td>
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<tr>
<th>WS 7 Wastewater And Environmental Surveillance (WES) For Climate Resilience In LMICs</th>
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<tbody>
<tr>
<td><strong>Monday 11 December, Session 3, Room MH1</strong></td>
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<tr>
<td>The workshop outputs will support the initiation of a pilot WES CoP in Eastern and Southern Africa and the development of resources to assist WES practitioners in LMICs.</td>
</tr>
<tr>
<td><strong>Chairs:</strong> Carley Truyens, Sudhir Pillay</td>
</tr>
<tr>
<td><strong>Speakers:</strong> Carley Truyens, Sudhir Pillay, Kerrigan McCarthy, Habib Yakubu, Smiti Nepal, Edwin Ochieng</td>
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<tr>
<th>WS 8 Is The Future Of Water And Sanitation Female? Mobilizing A More Gender Equal And Diverse Workforce To Achieve SDG 6</th>
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<tr>
<td><strong>Tuesday 12 December, Session 1, Room MH1</strong></td>
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<tr>
<td>This session, builds on the discussions held at the 2023 UN Water Conference to expand the debate on how inequalities and the lack of inclusiveness in the water and sanitation workforce can be redressed and how data collection, monitoring and analysis are important tools to make disparities visible and support informed decisions towards gender equality and inclusion.</td>
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<tr>
<td><strong>Chairs:</strong> Leticia Ackun, Persis Ramirez</td>
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<tr>
<td><strong>Speakers:</strong> UTS, World Bank, (SuSanA), IIHS, AfWASA</td>
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### WS 9  Increasing Urban Climate Resilience With Early Warning Systems And Water Reuse Options For Treated Municipal Wastewater

**Tuesday 12 December, Session 1, Room AD4**

The session is divided into 2 main topics: i) Management of extreme rain events and dry spells ii) Challenges for wastewater systems. Participants will gain insight on planning for flood and drought management caused by extreme weather and climate change scenarios through the use of modeling and mapping of hotspots. Further they will be introduced to the real life impacts for municipal wastewater and how to manage extreme inflow scenarios and how to identify the adequate technical solutions.

**Chairs:** Larika Waldmann, WASAC Representative  
**Speakers:** Manuel Krauss, Davis Bugingo, Henning Zeich, Amos Kazora

### WS 10  Scaling Up Inclusive Sanitation: Policy & Practice, Challenges And Implementation Strategies

**Tuesday 12 December, Session 2, Room MH1**

To share the NSS scaling up learning from National, sub-national and city level policy, practice, challenges to moving towards CWIS, experience from global south countries. The participants will be benefitted from the lessons learnt during the implementation/scaling up of NSS – the functionality and sustainability challenges, institutional strengthening, various technologies and associated O&M costing of plants, desludging challenges with viability of the private desludgers. Lessons from implementation of Ease of Septage Management Tool (to rank cities based on septage management performance) in cities of Uttar Pradesh in pursuit of becoming of CWIS cities.

**Chairs:** Subrata Chakraborty, Sumita Singhal  
**Speakers:** Faraz Ahmed, Sumita Singhal, V K Chaurasia, Subrata Chakraborty

### WS 11  Innovative Nature-based Solutions For Urban Water Resilience

**Tuesday 12 December, Session 2, Room MH2**

This interactive session will bring together policy makers, researchers, practitioners, and investors in the water sector to discuss and share experience on the types of NbS opportunities emerging and requirements to scale up implementation of NbS in fast growing cities. This session will review the emerging NbS opportunities and key barriers identified by governments, project developers, and investors and provide corresponding risk-mitigation solutions that can help rapidly scale new policies, strengthen vulnerable cities and national balance sheets, and crowd-in private sector funds.

**Chairs:** Dr. Rukundo Emmanuel, Dr. Shirley Rebekah  
**Speakers:** RWB, WRI, City of Kigali, World Bank, South Bridge

### WS 12  2023 Inclusive Urban Sanitation Champions Programme

**Tuesday 12 December, Session 2, Room MH3**

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### WS 13 Strengthening the delivery of climate-resilient, low-emissions water security and sanitation in cities and utilities

**Tuesday 12 December, Session 2, Room AD4**

This session will show experiences in strengthening climate resilience across the water and sanitation value chain with a focus on cities and utilities and will show how multiple facets (social, livelihood, economic & climate) are met through various programs. The session will also share evidence-based practices to shape approaches for WSS resilient practices.

**Chairs:** Osward M Chanda  
**Speakers:** Jean Astrid Ngako, Mecuria Assefaw, Mtchera Chirwa, Yvonne Magawa

### WS 14 Balancing The Challenges Of Equity And Efficiency In Utility Operations

**Tuesday 12 December, Session 3, Room AD12**

This learning workshop for state and utility partners in sub-Saharan Africa is designed to engage public sector stakeholders and local political authorities responsible for WASH; development finance organizations and donors, in a series of guided and interactive discussions.

**Chairs:** Miriam Otoo, Berta Macheve  
**Speakers:** Faustina Boachie, Sylvain Usher, Kelvin Chitumbo, Berta Macheve, Liz Jordan

### WS 15 Data Systems Strengthening For Inclusive Sanitation Services

**Tuesday 12 December, Session 3, Room MH1**

The proposed session on data systems strengthening for CWIS aims to bring specialist groups across the globe to engage, understand challenges and discuss the importance of data systems, their credibility, reliability, and utilization for scaling up CWIS principles and services.

**Chairs:** Meera Mehta, Suresh Rohilla  
**Speakers:** CWAS (CRDF-CEPT) Team, IWA Team, Yvonne Magawa, Dr. Silver Mugisha / Dr. Rose Kaggwa, Dr. Najib Lukooya Bateganya

### WS 16 Towards Climate Resilient Utilities And Water Management Organisations In Africa And Asia

**Tuesday 12 December, Session 3, Room MH2**

The purpose of the session is to create awareness amongst water utilities and regional water resource authorities on the impact of climate change on their daily business.

**Chairs:** Anke Verheij, Monique Zwiers  
**Speakers:** Anke Verheij, Peter de Koning, Kwanele Sibanda, Miriam Esanju, Lawrence Kimaru, Lidya Assefa

### WS 17 A Sanitation-Wise Future: Climate Resilient Inclusive Urban Sanitation

**Tuesday 12 December, Session 3, Room MH3**

The purpose of the session is to move from ideas to action on the challenge of integrating climate resilience into urban sanitation financing, implementation and monitoring.

**Chairs:** Juliet Willets, Patrick Ronoh  
**Speakers:** Hasin Jahan, WASAC, Kate Medlicott, GIZ

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### WS 18 Ensuring Safety And Dignity For Sanitation Workers
**Tuesday 12 December, Session 3, Room AD4**

The session will try and help bring forth solutions that aim at: Visibilising the sanitation workforce; Design of technology, PPEs, safety devices for providing occupational safety; Implementing strong enforcement systems due to the high informality of work; Systems to link with financial safety net - wages, insurance cover, risk and hardship allowances etc; and Systems to link with social safety nets.

**Chairs:** G. Mathi Vathanan, Manvita Baradi  
**Speakers:** Manvita Baradi and Meghna Malhotra

### WS 19 Mastering Water Treatment And Water Quality Testing In Remote Locations
**Wednesday 13 December, Session 1, Room AD12**

In this session, participants will gain insights into innovative, high-quality technologies with the potential to revolutionize water treatment and drinking-water quality testing in remote locations. Participants will explore applications, the advantages they bring, and receive practical guidance on their maintenance.

**Chairs:** Sabine Sibler, WASAC Representative  
**Speakers:** Alexander Wolf, WASAC Representative, Adrian Letzner, Bertin Harelimana

### WS 20 How Can Universities Contribute To The Faster Achievement Of SDG 6?
**Wednesday 13 December, Session 1, Room MH1**

This workshop explores how universities can contribute to faster global achievement of SDG6 and the bottlenecks in the current educational system.

**Chairs:** Harsha Ratnaweera, Telesphore Kabera  
**Speakers:** Tore Sætersdal, Gordana Kranjac-Berisavljevic, S B Weerakoon, Francis Mutua, Zakhar Maletskyi,

### WS 21 Towards A Roadmap For Strengthening Regulation Of Small Water Supplies And Sanitation Services
**Wednesday 13 December, Session 1, Room MH2**

The session will also draw on the experience of regulators and practitioners to seek feedback on the regulatory aspects of the forthcoming Guidelines for Small Drinking-water Supplies and on a draft roadmap for advancing from little to no sanitation regulation to functional regulation.

**Chairs:** Batsirai Majuru, Yvonne Magawa  
**Speakers:** Batsirai Majuru, Yvonne Magawa, Sam Drabble

### WS 22 Advancements In Non-Sewered Sanitation
**Wednesday 13 December, Session 1, Room MH3**

This session aims to share practical developments and interventions, as well as new science and innovation in the area of Non-sewered sanitation (which includes Faecal Sludge management).

**Chairs:** Sunitha Nayar  
**Speakers:** Doulaye Kone, Praveena Gangadharan, Jayant Bhagwan, Srikanth Mutnuri, Jennifer Williams, Chirwa Mchera
WS 23  The Future Of Water Operators’ Partnerships: How To Make WOPs More Effective And Impactful
Wednesday 13 December, Session 2, Room AD12

Chairs: Klaas Schwartz, Julie Perkins, Siemen Veenstra
Speakers: Julie Perkins, Zaituni Rehema, Faustina Boachie, Siemen Veenstra

WS 24  Beyond The Networked City: Water Services For The Urban Poor
Wednesday 13 December, Session 2, Room MH1

This workshop will explore the approaches deployed in African countries, and to what extent they have transitioned into safely managed and climate-resilient drinking water services for the urban poor.

Chairs: Guy Howard, Sam Kayaga
Speakers: Guy Howard, Sam Kayaga, Robinah Kulabako, Joseph Macarthy, Anisha Nijhawan, Sally Weston

WS 25  O&M - The Mantra For Sustainable Water/Sanitation Services
Wednesday 13 December, Session 2, Room MH2

Successful experiences with Water Operators Partnership (WOPs) are well known and have good results on operational level. In addition, they can contribute to increase the leadership responsibility to ensure sustainable O&M and increase the overall utility performance in the frame of upcoming challenges.

Chairs: Stefan Reuter, Patrick Nzamba
Speakers: Magige Marwa, Iris Carstensen, Alex Kazeta, Olivier Gosso

WS 26  Risk Based Approaches For Professionally Managed And Regulated Sanitation Services
Wednesday 13 December, Session 2, Room MH3

This session provides practitioners with the foundational knowledge needed for acceleration, including national level definitions of SMS, how they can be embedded into national systems, detailed risk-based approaches for professionally managed services at the local level and risk-based regulation at the national level. This interactive session will showcase tools and examples of implementation with partners.

Chairs: Sophie Boisson, Ann Thomas
Speakers: Kate Medlicott, Ann Thomas, Representative from Nigeria, Representative from Ethiopia

WS 27  Accelerating SDG 6 Progress In Developing Countries By Identifying Economically Sustainable Approaches
Wednesday 13 December, Session 2, Room AD4

The proposed workshop represents an opportunity for the government, academia, international agencies, and other stakeholders to collaborate and work together to accelerate progress toward SDG 6 in developing countries.

Chairs: Min Yang
Speakers: Min Yang, Thabo Nkambule, Jayathilaka Herath, Samuel Ho Kwong

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### WS 28 Unlocking Climate Finance For Sanitation: The Role Of Partnerships

**Wednesday 13 December, Session 3, Room AD12**

The workshop will engage the audience to produce clear actions to enhance partnerships across WASH and climate finance to change the status quo. These will be captured in a blog by WASH-FIN 2 and published on GlobalWaters.org.

**Chairs:** Barbara Kazimbaya-Senkwe, Ruth Nganga  
**Speakers:** Jairus Thomas, Priscillah Oluoch, Ruth Nganga, Nancy Ngao,

### WS 29 Integrated Climate-Resilient Water And Sanitation Safety Planning (CR-WSSP)

**Wednesday 13 December, Session 3, Room MH1**

We will present the new integrated risk-based drinking water and sanitation approach with a special focus on how climate aspects can be incorporated into risk management processes.

**Chairs:** Bettina Rickert, Laura Huber  
**Speakers:** Laura Huber, Damons Matthew, Vollmer Tanja, Brauer, Friederike

### WS 30 Building Urban Water Supply Resilience Through Risk-based Planning

**Wednesday 13 December, Session 3, Room MH2**

The session aims to illustrate the benefits and practical application of risk-based approaches to water planning, including Robust Decision Support and water and sanitation safety planning.

**Chairs:** Annette Huber-Lee, Jennifer De France  
**Speakers:** Annette Huber-Lee, Jennifer De France, Bernard Musana, Daniela Bemfica,

### WS 31 Water Sector Governance? Global Innovation For Local Solutions

**Wednesday 13 December, Session 3, Room MH3**

The session will give context to African and global water governance solutions through presentations and discussion of best and worse practices. It will also speak to the do’s and dont’s of past and present water sector reform processes.

**Chairs:** Tine Anbæk, Ms Raletjena Moloko  
**Speakers:** Sean Phillips, Abiy Girma, Adwoa Paintsil, John Hosea Muruka, Jørgen Erik Larsen

### WS 32 2023 Recognition Program of the Climate Smart Utilities Initiative

**Wednesday 13 December, Session 3, Room AD4**

The IWA Climate Smart Utilities Recognition Programme aims to inspire water and sanitation utilities and all their stakeholders to transition to be increasingly Climate Smart and to embrace the cultural shift on three interconnected pillars for action: adaptation, mitigation, and leadership. This session will showcase adaptation and mitigation actions taken by celebrated utilities according to the framework of IWA Climate Smart Utilities.

**Chairs:** Charles Joseph, Brenda Ampomah

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<tr>
<th>Session</th>
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<td>WS 33</td>
<td>Water Security: Assessment At Different Scales And In Different Dimensions</td>
<td>Thursday 14 December, Session 1, Room MH1</td>
<td></td>
<td>Jan Hofman, Blanca Antizar</td>
<td>Kizito Masinde, Sam Drabble, Chad Staddon, Juliana Marçal, Oriana Romano, Berta Macheve</td>
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<td>WS 34</td>
<td>Innovation Roadshow (Pitching Competition For Youth-led Innovation To Accelerate Sustainable Development Goal 6 and Climate Resilience in Africa)</td>
<td>Thursday 14 December, Session 1, Room AD10</td>
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<td>Serge Bashonga, Djalia Umutangampundu</td>
<td>Djalia Umutangampundu, Benigne Ishimwe, Isabela Espindola, Doulaye Koné, Amandine Umukeshia, Marie-Louise Chagnaud, Serge Bashonga, Nadia Chraibi</td>
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<td>WS 35</td>
<td>Practical Application Of Nature-based Solutions For Water Supply And Sanitation</td>
<td>Thursday 14 December, Session 2, Room AD1</td>
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<td>Florence Mugi</td>
<td>Florence Mugi, Peter Kibet Biwott, Brenda Achiro Muthemba, Alfayo Kipkoskei Lel</td>
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<td>WS 36</td>
<td>Mitigating The Climate Impact Of Sanitation: Where Are We Headed?</td>
<td>Thursday 14 December, Session 2, Room MH1</td>
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<td>Abhishek Khanna, Dorothee Spuhler, Rémi Kaupp</td>
<td>Abhishek Khanna, Dorothee Spuhler, Rémi Kaupp</td>
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### WS 37 Climate Resilient WASH Financing Strategy For Sustainable And Resilient Services

**Thursday 14 December, Session 2, Room MH2**

The overall goal of this session is to provide a learning space for delegates from different countries to deepen their understanding of resilient WASH financing concepts and opportunities and to strengthen their capacity with knowledge and skills to engage with partners and to leverage both public funds, private finance for the WASH sector through loans or equity.

**Chairs:** Eugene Dusingizumuremyi, Murtaza Malik  
**Speakers:** Murtaza Malik, Olivier Tuyishimire, Aline Sylvie Pawele, Brenda Achiro

### WS 38 Water Utility Regional Partnership In Africa

**Thursday 14 December, Session 2, Room MH3**

The session is to disseminate the lesson learnt under WURP to discuss (1) how the knowledge exchange in the region will contribute to make sustainable development of water sector (2) Why non-revenue water problem is serious and common issues in the region, and (3) What is the way forward to achieve sustainable water utility development?.

**Chairs:** Bahige Jean Berchmans, Ngaivale Ernest  
**Speakers:** Bahige Jean Berchmans, Ngaivale Ernest Mugendi Cyrus, Zughdi Adikary

### WS 39 Water Infrastructure Development - Bankable And Sustainable WASH Solutions

**Thursday 14 December, Session 2, Room MH4**

The purpose of the workshop is to find answers for the following challenges: if the world’s richest regions full scale and inclusive water infrastructure development is unbankable, then how do we expect it to be worldwide? How to develop water awareness and water values and to promote good value choices.

**Chairs:** Károly Kovács, Hamanth Kasan  
**Speakers:** Hamanth Kasan, Sylvain Usher, Dominique Murekezi, Bálint Horváth, Andras Szabó, Joseph Siaw Agyepong, Mendy Shozi

### WS 40 Treatment To Re-use: Addressing The Full Circle Of Challenges And Opportunities Of Environmental Sanitation In Global South Countries

**Thursday 14 December, Session 2, Room AD1**

The workshop will provide opportunities to network and collaborate on a range of issues that are linked to understanding; global and national level standards, parameters for assessing performance of FSTPs, processes for assessing inflow-outflow testing protocols of faecal sludge and setpage.

**Chairs:** Sumita Singhal, Vinod Vijayan  
**Speakers:** Sumita Singhal, Vinod Vijayan, Faraz Ahmad, Arvind Senger, Md Tahmidul Islam, Karthik Chandran, Praveena Gangadharan, Sudhir Pillay

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