

# Workshops

All workshops include lunch.

## FRIDAY, 22 FEBRUARY 2019

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8:15–13:00 **Improving Sanitation in the Informal Settlements in Cape Town** / City of Cape Town, Water and Sanitation Head Office (transportation will be provided — depart CTICC at 8:15)

Join the City of Cape Town and participate in an interactive planning session about providing sanitation in informal settlements. As written in the South African constitution, city municipalities must provide basic services to all inhabitants of informal settlements. These services include water and sanitation services. In this session you will learn more about the challenges and the innovations being tested by the city.

This workshop will begin with an overview plenary session followed by 3 break-out workshops. The session will conclude with a report out session, followed by lunch.

The 3 topic areas are:

Integrated Planning inclusive of Environmental Considerations

Soft skills and social aspects of community engagement

Technical aspects of sanitation improvement

*Department of Water and Sanitation, City of Cape Town*

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9:00–17:00 **Achieving Urban Equality: The Potential of Container-Based Sanitation for Realizing the Human Right to Sanitation in Urban Settings** / Meeting Room 1.4

This workshop will explore the potential for container-based sanitation (CBS) for addressing equality and non-discrimination (EQND) and support the City-wide Inclusive Sanitation agenda. This workshop is targeted towards representatives from governments, utilities boards, donors, development partners, and the private sector to better understand urban EQND issues and how CBS business models can support the delivery of national commitments for safely managed sanitation for all. Participants will:

- Be orientated in/towards key EQND principles, terminology, and concepts, and gain a greater understanding of the barriers faced by many living in urban areas to access safe sanitation
- Learn how CBS can provide a viable pro-poor alternative to centralized sewerage networks
- Get a hands-on look at CBS products through a guided technology exhibition
- Learn from leading African CBS enterprises on how they've integrated EQND into their business models
- Participate in facilitated discussions on the role of CBS in the global EQND agenda, and what steps governments and other sector partners can take to help bring it to scale

*Water Supply and Sanitation Collaborative Council (WSSCC) and the Container-Based Sanitation Alliance (CBSA)*

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9:00–12:30 **Building FSM Capacity for City-Wide Inclusive Sanitation** / Meeting Room 2.6

Lack of expertise on inclusive urban sanitation is a major bottleneck for scaling up urban sanitation services in low- and middle-income countries. This event will review developments in the quality and availability of courses and resources for the planning, design and supervision of city-wide inclusive urban sanitation (CWIS) services projects.

The topics in this morning session are: (a) Identifying CWIS learning needs and resources; and (b) Contextualizing global learning products

*Eawag with; IHE, CSE, Centre for Affordable Water and Sanitation Technology (CAWST) and Bill & Melinda Gates Foundation*

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9:00–12:30 **Characterisation and Quantification of Faecal Sludge** / Meeting Room 2.41–2.43

This workshop is hosted by a team of international researchers with extensive research experience in characterisation and quantification of FS at different scales. It seeks to consolidate past and current research outputs and findings, to highlight the challenges and lessons learned, and support the global FSM community with guidance on currently developed and verified methods for FS analysis, characterisation and quantification through the upcoming book publication “Methods for Faecal Sludge analysis”. The workshop aims to support researchers and practitioners in the adoption of a standardised approach of FS characterisation and quantification, and to support the development of a common platform for data exchange and support of experts, decision makers and design engineers in the FSM field.

*University of KwaZulu-Natal (South Africa) with; Swiss Federal Institute of Aquatic Science and Technology EAWAG (Switzerland), IHE-Delft (Netherlands), AIT-Thailand (Thailand), Water Research Commission (WRC South Africa), eThekweni Municipality (South Africa)*

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9:00–12:30 **Effective National Sanitation Policies: Learnings from Seven Countries** / Meeting Room 1.6

Effective legal frameworks, including national policies and plans, are fundamental for improving access to WASH, which is part of Sustainable Development Goal (SDG) 6. Since the adoption of the 2030 Agenda, there has been increasing demand to assess and monitor how countries are taking on-board the aspirational targets for WASH under SDG 6 in their national WASH policies and plans. Additionally, national governments are re-examining their laws and policies and are often revising and adopting more effective WASH laws and policies that align with the SDGs. In response to this demand, WHO, through the UN-Water Global Analysis and Assessment of Sanitation and Drinking-Water (GLAAS), has developed case studies focused on national legal frameworks for sanitation in Bangladesh, Kenya, Mali, Nepal, Senegal, Uganda and Zambia to see how countries are addressing governance for sanitation and elements of the SDGs. Findings from the case studies include learnings from the countries themselves as well as identifying common themes across the countries. These case studies also feed into the GLAAS 2018/2019 cycle and 2019 report with a focus on national WASH policies, plans and targets. The event will focus on the importance of policies and plans and give the audience an understanding of how countries are incorporating SDG 6 within their national policy- and law-making processes, based on findings from the case studies. Discussions will shed light on common features of national policies and plans for sanitation and key aspects of successful policies and plans. The discussions will contribute towards establishing a standard for global monitoring of national WASH policies and plans going forward.

*World Health Organization (WHO) and GLAAS*

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9:00–12:30 **Emergency FSM: Experiences from Cox Bazaar in Bangladesh** / Watsonia

In the response to the huge influx of Rohingya refugees into Bangladesh there has been an unprecedented number of FSM technologies implemented across the refugee camps. The results can be used to inform future humanitarian FSM approaches as well as responses to smaller shocks. The first half of the workshop will focus on the situation in Cox Bazar. The second half of discussions will be broader around appropriate FSM technologies for rapid scale up that utilise non-permanent construction.

*Oxfam, UNICEF, United Nations High Commissioner for Refugees (UNHCR), Department of Public Health Engineering (DPHE), Bill & Melinda Gates Foundation, SNV, WaterAid*

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9:00–12:30 **FSM Toolbox 2.0** / Bluebell

Most of us are familiar with the FSM toolbox, a web platform offering a suite of tools to plan, design, operate and monitor interventions in the fecal sludge management space. The toolbox has been constantly evolving to accommodate user preferences and constraints and it gives us pleasure to present its latest version, which now hosts several new functions and has been customized to cater to the local realities of 5 countries namely India, Bangladesh, Senegal, South Africa and Lao.

*Athena Infonomics with; Asian Institute of Technology, Emanti Management Consultants, Consortium for Dissemination of DEWATS (CDD) and Cabinet EDE*

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9:00–12:30 **Planning, Guiding & Monitoring Transition to Citywide Sanitation Service Systems** / Meeting Room 2.44–2.46

What does it take to make decisions on sanitation investments that leave no one behind? Through a series of hands-on activities and concrete examples, this workshop will provide a platform for city stakeholders to exchange experience with informed decision-making, alongside application of tools e.g. SFD (Faecal Waste Flow Diagrams), Equity Dashboard and City Sanitation Plans toward inclusive service delivery.

*BORDA with; Bill & Melinda Gates Foundation, Centre for Science and Environment (CSE) & Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)*

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9:00–12:30 **Public Health Data in Sanitation Planning** / Nerina & Protea

Governmental and non-governmental organizations will share experiences on how public health data informs urban sanitation investments and decision-making in their organizations and cities. Organizations will highlight approaches, including the SaniPath Tool, and lessons learned and work with participants to understand opportunities for evidence-based decision-making that includes a public health perspective.

*Emory University with; TREND Ghana, International Centre for Diarrhoeal Disease Research (Bangladesh), World Bank, Kampala Capital City Authority, Lusaka City Council, Accra Metropolitan Assembly/Kumasi Metropolitan Assembly*

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13:30–17:00 **Building FSM Capacity for City-Wide Inclusive Sanitation** / Meeting Room 2.6

Lack of expertise on inclusive urban sanitation is a major bottleneck for scaling up urban sanitation services in low- and middle-income countries. This event will review developments in the quality and availability of courses and resources for the planning, design and supervision of city-wide inclusive urban sanitation services projects.

The second workshop will build on the morning session but also stand-alone. The topics in this afternoon session are: (a) Espresso overviews of new capacity-building initiatives; and (b) Adult learning: Being more effective in our sanitation training and workshops.

*Eawag with; IHE, CSE, Centre for Affordable Water and Sanitation Technology (CAWST) and Bill & Melinda Gates Foundation*

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13:30–17:00 **Field Testing New Technologies** / Bluebell

The engineering field testing platform in Durban, South Africa allows early engineering concepts for non-sewered sanitation to be tested in real world environments. This provides technology developers with valuable data early in the design process. This workshop is aimed at organisations who would like to set up similar sanitation testing platforms in their own environment.

*Pollution Research Group, University of KwaZulu-Natal with; eThekweni Water and Sanitation, Khanyisa Projects, Water Research Commission (WRC South Africa)*

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13:30–17:00 **Introduction to the WHO Sanitation and Health Guidelines** / Nerina & Protea

Access the new WHO Guidelines on Sanitation and Health! In this interactive workshop you will learn about key policy and programme recommendations derived from a comprehensive evidence review. Participants will also gain critical information on definitions for safe sanitation systems, pathogens and risk management to maximize health impact of sanitation through whole sanitation chain. Copies of the Guidelines will be made available to participants.

*World Health Organization (WHO)*

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13:30–17:00 **Moisture Content: Solving the Achilles Heel of Faecal Sludge Treatment Options** / Meeting Room 2.41–2.43

Water is a major component of faecal sludge; sludge moisture content therefore is one of the most important parameters that determines the volume of sludge treated at a point-of-use system (such as a Re-Invented Toilet) or treatment facility (Faecal Sludge Treatment Processor) designed to treat collected faecal sludge. This workshop will disseminate the state-of-the-art with regards to removing moisture content for sanitation treatment technologies.

*Water Research Commission (WRC, South Africa) with; Asian Institute of Technology—Thailand (Thailand), EAWAG (Swiss Federal Institute of Aquatic Science and Technology, Switzerland), Janiciki Bioprocesses (U.S.A), Tide Technocrats (India), University of KwaZulu-Natal (Pollution Research Group UKZN, South Africa), Water for People (Uganda)*

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*BORDA with; Bill & Melinda Gates Foundation, Centre for Science and Environment (CSE) & Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)*

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13:30–17:00 **The Missing Link in the Sanitation Chain: Improving the Conditions of Sanitation Workers /**  
Meeting Room 1.6

Without occupational health and safety, safely managed services cannot be achieved, and public health remains at risk. Yet, sanitation workers, involved in pit emptying, treatment plant operation, sewer maintenance for example, suffer deplorable working conditions and health problems. The workshop discusses new data and shares experiences of potential improvements.

*WaterAid with; World Health Organization, World Bank, International Labour Organization, SNV, Water Research Commission, and Bill and Melinda Gates Foundation*

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