

**IWA NSS Conference Provisional Programme 2023**

**Sunday, 15th October 2023**

Time	Venue: Fabia I	Venue: Fabia II	Venue: Julia Room
12h00 - 14h55	Workshop 1: 13h30 - 15h00: Meeting of the IWA Inclusive Urban Session Task Force / Sub-Group – by invitation only for members. <i>Organiser: IWA</i>	Workshop 3: Capacity Development for NSS – moving beyond a normative capacity development approach, Lessons from scaling up in India and global south countries. <i>Organiser: Centre for Science and Environment</i>	Workshop 4: Inaugural urban sanitation masterclass: Synthesising best practices to support inclusive and effective uptake of innovative non-sewered sanitation solutions for municipalities <i>Organiser: WASH R&amp;D Centre, University of KwaZulu Natal</i>
15h05 - 18h00	Workshop 2: 15h30 - 17h00: Concepts and Perspectives: Framework for water wise and sanitation secure resilient cities <i>Organiser: IWA</i>		Workshop 5: Non-Sewered Sanitation Planning Workshop – South Africa's NSS Symphony: Striking the right chord with system selection for diverse contexts <i>Organiser: BORDA South Africa NPC, UKZN/Wash R&amp;D Center , eThekweni Water and Sanitation</i>
14h00 - 18h00	Registration		
17h00 - 19h00	Venue: Assembly I&II Welcome Reception		

**Monday, 16th October 2023**

Time	Activity
07h30 - 16h00	Registration
<b>Time</b>	<b>Day 1 Opening Plenary - Venue: Senate I&amp;II Chair: Jay Bhagwan</b>
09h00 - 09h10	Introduction <i>Jay Bhagwan - Chair of IWA NSS Specialist Group 2023</i>
09h10 - 09h20	Welcome <i>Jennifer Molwantwa - WRC CEO</i>
09h20 - 09h40	Address <i>Sean Phillips, Director General: Department of Water and Sanitation</i>
09h40 - 09h50	Address <i>Shri M.B. Rajesh, Honorable Minister for Local Self Government and Excise Departments, Government of Kerala</i>
09h50 - 10h00	Address <i>Hamanth Kasan, President Elect of IWA</i>
10h00 - 10h15	The role of DFIs into circular sanitation economy <i>Mtchera Chirwa - Water Development and Sanitation Department at the Africa Development Bank</i>
10h15 - 10h35	KEYNOTE ADDRESS - Turning NSS into reality <i>Kalanithy Variavamoorthy - IWA CEO</i>
10h35 - 10h45	Amalooloo Pitch <i>Lukas Fourie - CEO</i>
10h45 - 11h15	Day 1 Morning Tea Break Venue: Assembly V - Poster viewing and discussion session

Time	Session 1a - Advancing NSS I	Session 1b - Emptying Value Chain	Session 1c - Circular Economy I	Session 1d
	Venue: Senate I&II Chair: Harrison Pienaar	Venue: Fabia I Chair: Rochelle Holm	Venue: Fabia II Chair: Mei Yee Chan	Venue: Julia Room
11h15 - 11h30	Realizing the beneficial integration of upstream NSS implementation on downstream sewerage wastewater treatment through a digital-twin platform approach Paper 156, Kartik Chandran	Mechanizing Waste Collection to Improve Efficiency and Safety: Fresh Life's Experience in Nairobi's Informal Settlements Paper 29, Eric Machango	Reframing 'hard-to-reach' urban poor as a 'primary target' of circular sanitation solutions Paper 173, Patrick Ronoh	Workshop 12: Dewatering and drying workshop <i>Organisers: EAWAG-SANDEC and WaSH R&amp;D Centre UKZN joint workshop</i>
11h30 - 11h45	A Techno-economic Evaluation of Non-Sewered Sanitation Systems Paper 82, Mishqah Hussain	Comparison of Different Autonomous Sensing Technologies to Measure Solid and Liquid Volumes in Septic Tanks Paper 61, Monisha Naik	The Higher Benefits of Low Flush: An assessment of the water saving and cost saving potential of more efficient toilets Paper 242, Jonny Harris	
11h45 - 12h00	The Valley of Death for an Innovative Sanitation Technology Paper 148, Francis De Los Reyes	Private Sector Lead Pit Latrine Emptying – Equipment Lease-to-Own Model from Kisumu, Kenya Paper 123, Edwin Oyaro	Onsite water reuse field testing of a non-sewered sanitation system at an informal settlement in South Africa Paper 154, Robert Bair	
12h00 - 12h15	Planning for coastal climate impacts on non-sewered sanitation Paper 25, Pierre Mukheibir	Last Mile Coverage of Sanitation Service Delivery through Engagement of Women Collectives Paper 213, Meghna Malhotra, Manvita Baradi, Xerxes Rao	Concentrating human urine using membranes and freezing for fertilizer production Paper 20, Dyllon Randall	
12h15 - 12h30	Waterless toilets contribute to safely managed sanitation services in developing countries. Paper 40, Heinz-Peter Mang	Faecal Sludge Management: Experiences in Implementing Performance Based Contracts Lusaka Water Supply and Sanitation Company Paper 33, Evans Mambwe	A Decentralized Photovoltaic/Thermal System for Urine Nitrogen Recovery Paper 60, Orisa Coombs	
12h30 - 12h45	Q&A	Q&A	Q&A	
12h45 - 13h45	<b>Day 1 Lunch Break</b> <b>Venue: Assembly V - Poster viewing</b>			
Time	Session 2a - Advancing NSS II	Session 2b - Sanitation Workers	Session 2c - NBS	Session 2d
	Venue: Senate I&II Chair: Teddy Gounden	Venue: Fabia I Chair: Ednah Mamakoa	Venue Fabia II Chair: Jonny Harris	Venue: Julia Room
13h45 - 14h00	Prioritizing Research, Development, and Deployment (RD&D) of Non-Sewered Sanitation through Quantitative Sustainable Design (QSD) Paper 160, Jeremy Guest	Understanding the gendered dynamics of household fecal sludge management, technology use and women in the sanitation sector in Tamale, Ghana. Paper 128, Cassandra Workman	NSS & Community Toilets – Circularity & Water Security through Nature-Based Solutions in a Mumbai Slum Paper 78, Anantha Moorthy U, Krishna Swaroop Konidena	Workshop 8: Human rights implications of expanding container-based sanitation and achieving citywide inclusive sanitation <i>Organisers: Container Based Sanitation Alliance, Politics and Urban Governance Research Group, University of Western Cape</i>
14h00 -14h15	Non-biological, household-scale sanitation systems – lessons from field testing Paper 36, Brian Stoner	Facilitating dialogue and support to the preparation of National Guidelines on Health, Safety and Dignity of Sanitation Workers in Tanzania Paper 32, Gloria Kafuria	Assessing the fertiliser value of co-composted biochar compost made from black soldier fly larvae faecal sludge residue Paper 167, Nqobile Nkomo	

14h15 - 14h30	Engineering Field Testing and the South African Sanitation Technology Enterprise programme (SASTEP) - From Prototype Testing to Demonstration and Commercialisation Paper 214, Susan Mercer	Fostering policy changes that prioritize the safety and dignity of sanitation workers Paper 226, Mathi G. Vathanan	Biofil toilet as a promising alternative to common pit latrines: evidence from a 14-month evaluation in Bangladesh Paper 64, Azizur Rahman	CONTINUED: Workshop 8: Human rights implications of expanding container-based sanitation and achieving citywide inclusive sanitation Organisers: Container Based Sanitation Alliance, Politics and Urban Governance Research Group, University of Western Cape
14h30 - 14h45	Testing, piloting, and implementation of non-sewered sanitation technologies in eThekweni Municipality for improved and sustainable sanitation service delivery Paper 109, Nedon Ramsuran	Africa can't achieve SDG 6.2 without a professionalised and protected sanitation workforce Paper 189, Gloria Kafuria	Resourced Oriented Sanitation in riverside communities in the Brazilian Pantanal Paper 58, Virginia Pinto, Prof Paula Paulo	
14h45 - 15h00	The Generation 2 Reinvented Toilet (G2RT) – introducing Non-Sewered Sanitation (NSS) as the new home appliance for all Paper 171, Santiago Septien Stringel	SHWAS—Digitally enabling social and financial inclusion of sanitation workers Paper 227, Manvita Baradi	Performance of a full-scale vermifilter for domestic wastewater treatment in Geneva, Switzerland Paper 24, Kayla Coppens	
15h00 - 15h15	Testing innovative sanitation technologies in rapidly urbanising areas in Durban, South Africa: A social perspective Paper 94, Anthony Odili	Sanitation journey of India and technologies involved Paper 100, Anisha Dey	Introduction of floating wetland to enhance biological treatment of sewage Paper 103, Shakhawat Hossain	
15h15 - 15h30	Q&A	Q&A	Q&A	
15h30 - 16h00	<b>Day 1 Afternoon Tea Break</b> <b>Venue: Assembly V - Poster viewing</b>			
<b>Time</b>	<b>Session 3a - Advancing NSS III</b>	<b>Session 3b - Standards</b>	<b>Session 3c - Circular Economy II</b>	<b>Session 3d</b>
	<b>Venue: Senate I&amp;II</b> <b>Chair: Jacqueline Thomas</b>	<b>Venue: Fabia I</b> <b>Chair: Akin Akinsete</b>	<b>Venue: Fabia II</b> <b>Chair: Mendy Shoji</b>	<b>Venue: Julia Room</b>
16h00 - 16h15	Advancing monitoring of non-sewered sanitation services for local, national and global purposes Paper 56, Freya Mills	Using ISO 31800:2020 as a Guideline for Resource Recovery of a Faecal Sludge Treatment Units Paper 249, Mei Yee Chan	Biogas generation from anaerobic lagoon, desulfurization / scrubbing and its potential utilization as electricity in FSTP of Rohingya camps. Paper 71, Safwatul Haque Niloy	Workshop 11: Is it climate resilient? Designing for climate resilience: A tool for sanitation technology developers and implementers. <i>Organisers: University of Technology Sydney – Institute for Sustainable Futures (UTS-ISF), University of South Florida</i>
16h15 - 16h30	Analyzing the economic and environmental sustainability of a backend non-sewered sanitation system across deployment location in Africa and Asia Paper 236, Roland Cusick, Jeremy Guest	Standardization and sustainability of non-sewered sanitation systems Paper 26, Dr Markus Starkl	Resource recovery from faecal sludge pyrolysis: Insights on source interventions and biochar quality Paper 34, Maria Eleni Koulouri	
16h30 - 16h45	Water demand analysis of community ablution blocks (CABs) at an informal settlement in South Africa Paper 135, Lindelani Xaba	Developing a SANS 30500 Mark Scheme in South Africa – Challenges and Opportunities for capacity building Paper 140, Preyan Arumugam	Experiences and Learnings from Innovating the Clear Enviro Loo Sanitation Treatment Plant Paper 252, Thapelo Makwela	

16h45 - 17h00	Investigating critical success factors influencing Faecal Sludge Treatment Plant's utilization in India Paper 19, Shirish Singh	Development of an ISO 30500-aligned testing protocol for household incineration toilets Paper 221, Ellen Mutsakatira	Evaluation of biochar and activated carbon produced from different feedstock used for the removal of pharmaceutical compounds found in DEWATS Paper 237, Relebogile Morake	CONTINUED: Workshop 11: Is it climate resilient? Designing for climate resilience: A tool for sanitation technology developers and implementers. Organisers: University of Technology Sydney – Institute for Sustainable Futures (UTS-ISF), University of South Florida
17h00 - 17h15	Application of Non-Sewered Sanitation Systems: User perceptions and acceptance Paper 98, Maijang Mamakoa	Sanitation Readiness Index – An Assessment Framework and Benchmarking of Non-Sewered Sanitation Systems Paper 255, Aileen Andaya	Evaluation of significant characteristics of biosolids from FSTPs in India to assess resource recovery potential Paper 63, Ashitha Gopinath	
17h15 - 17h30	Q&A	Q&A	Q&A	
18h00 - 19h00	<b>Venue: Senate I&amp;II IWA NSS Specialist Group Meeting</b>			

**Tuesday, 17th October 2023**

Time	Activity			
08h00 - 16h00	Registration			
Time	<b>Day 2 Opening Plenary - Venue: Senate I&amp;II</b> <b>Chair: Zahid Badroodien</b>			<b>Workshop 13 - Venue: Julia Room</b>
09h00 - 09h20	South Africa Sanitation Enterprise Programme <i>Valerie Naidoo - WRC</i>			Workshop 13: A Draft Regulatory Framework for Non-Sewered Sanitation Services in South Africa <i>Organiser: Department of Water and Sanitation</i>
09h20 - 09h40	NSS Perspectives of Africa <i>Simeon KENFACK, AfWASA Director of Programs</i>			
09h40 - 10h00	Post-pandemic opportunities for development of the NSS sector <i>Konstantina Velkushanova, IHE Delft</i>			
10h00 - 10h10	Enviroloo Pitch <i>Mark La Trobe</i>			
10h10 - 10h30	Panel Discussion			
10h30 - 11h00	Day 2 Morning Tea Break Venue: Assembly V - Poster viewing and discussion session			
Time	Session 4a - From Research to Practice Venue: Senate I&II Chair: Daniel Yeh	Session 4b - CWIS Venue: Fabia I Chair: Suresh Kumar Rohilla	Session 4c - Greywater/NBS Venue Fabia II Chair: Thammarat Koottatep	Session 4d Venue: Julia Room
11h00 - 11h15	Low-Cost NSS Remote Post-Treatment Monitoring Paper 185, Jim Olejniczak	Analysis of the City-Wide Inclusive Sanitation enabling environment in Burkina Faso: the functions of the Ministry in charge of Sanitation Paper 70, Harinaivo Anderson Andrianisa	The use of a Vermifilter for Greywater treatment for low-income populations in sub-Saharan Africa Paper 115, Sidesse Sonia Ymele Saapi	Workshop 10: Methods for Faecal Sludge Analysis – verification, validation and quality control <i>Organiser: IHE Delft Institute for Water Education</i>
11h15 - 11h30	History of the NEWGenerator: From conception to commercial implementation in South Africa – mechanisms for achieving commercialisation and standardisation Paper 194, Timothy Fisher	S.A.F.E Model (Suitable Actions towards a FSSM Ecosystem) Testing CWIS plan in pilgrim town of Ambaji Paper 245, Viraj Joshi, Mona Iyer	URBWAT: The use of CWs for in-situ grey water treatment in an unplanned urban settlement Paper 192, Chris Bode-Aluko	

11h30 - 11h45	Clear Enviro Loo sanitation treatment plant demonstration project experiences Paper 251, Mark La Trobe	CWIS through co-treatment of faecal sludge and septage at STP for Sangli-miraj - Kupawad City, India Paper 126, Shivkumar Mulay	WSUD protecting rivers when sanitation services fail: Johannesburg, South Africa Paper 235, Sansha van der Merwe	CONTINUED: Workshop 10: Methods for Faecal Sludge Analysis – verification, validation and quality control Organiser: IHE Delft Institute for Water Education
11h45 - 12h00	Community engagement and acceptance of a NSS: Slovoville case study Paper 197, Arrigo Fadda	Achieving safely managed sanitation in Bangladesh: an overview of the urban sanitation initiatives on CWIS and FSM Paper 17, Abdullah Al-Muyeed	An analysis of nature-based treatment processes for cleaning polluted surface water runoff from an informal settlement. Paper 92, Emily Nicklin	
12h00 - 12h15	Solar Drying of Faecal Sludges Santiago Septien Stringel	Skilling of sanitation workers to ensure sustainable operation and maintenance of FSSM Paper 209, Xerxes Rao, Vaidehi Gohil	Wastewater treatment units for informal settlements in Lebanon Paper 163, Kevin Bonel	
12h15 - 12h30		Q&A	Q&A	
12h30 - 13h30	<b>Day 2 Lunch Break</b> <b>Venue: Assembly V - Poster viewing</b>			
<b>Time</b>	<b>Session 5a - CBS</b>	<b>Session 5b - Circular Economy III</b>	<b>Session 5c - Applied Research I</b>	<b>Session 5d</b>
	<b>Venue: Senate I&amp;II</b> <b>Chair: Ashton Mpofu</b>	<b>Venue: Fabia I</b> <b>Chair: William Moraka</b>	<b>Venue Fabia II</b> <b>Chair: Linda Strande</b>	<b>Venue: Julia Room</b>
13h30 - 13h45	A comparison of mental wellbeing and sanitation quality of life between users and non-users of container-based sanitation in Lima, Peru Paper 161, Kory Russel	Membrane technology for water reuse from blackwater in non-sewered sanitation systems: comparing pressure and thermally driven processes Paper 107, Edwina Mercer	Solar Septic Tanks-Legend: Performance Evaluation and Technical Verifications in South East Asia Region Paper 86, Thammarat Koottatep, Tatchai Pussayanavin	Workshop 9: The process of biological method optimisation, from conceptualisation, development, testing, standardisation and ISO 17025 accreditation – The WRDC Helminth Method as an example for successes, lessons learnt and the way forward. <i>Organisers: WASH R&amp;D Centre (University of KwaZulu-Natal: Dr Danica Naidoo (DN), Ms. Merissa Naidoo (MN) &amp; Dr. Colleen Archer (CEA)</i>
13h45 - 14h00	Private user-paid household sanitation services for informal settlements in South Africa: a paradigm shift for sanitation service delivery Paper 172, Nick Alcock	Testing of a faecal sludge greenhouse solar dryer at pilot scale Paper 105, Pareshein Naidoo	Appropriate septic system designs for remote rural communities in Fiji without road access Paper 248, Jacqueline Thomas	
14h00 - 14h15	Bridging the funding gap for non-sewered sanitation: innovative revenue sources and contracting models Paper 8, Remi Kaupp	Effect of Application of Faecal Sludge-Based Inputs on Yield, Growth and Development of Fenugreek Leafy Vegetable ( <i>Trigonella Foenum-Graecum L.</i> ) Paper 127, Tanay Timblo	Characterisation of faecal material from rural school onsite sanitation systems for its optimal valorisation. Paper 48, Yuri Ramruthan	
14h15 - 14h30	Designing for Safe Sanitation: A Human-Centered Approach for Developing Non-Sewered Sanitation Solutions for Base-of-Pyramid Customers Paper 30, Serafina Buzby	Circular Economy model of regenerative agriculture through non-sewered sanitation technology with full resource recovery Paper 208, Padmapriya Baskaran	Characterizing Biodegradation in NSS: Field Sampling, Microbiological Analysis, and In Situ Greenhouse Gas Measurements Paper 111, Kelsey Shaw	
14h30 - 14h45	The Illusion of the Container Based Sanitation Solution: Lessons from Khayelitsha, South Africa Paper 16, Fiona Anciano	Microwave treatment of ventilated improved pit (VIP) latrine faecal sludge for resource recovery and reduced handling costs Paper 41, Jon Pocock	Assessment of non-sewered sanitation and drinking water quality in Gulariya (Southwestern Nepal) during dry and wet (monsoon) seasons Paper 31, Diogo Trajano Gomes Da Silva	
14h45 - 15h00	Q&A	Q&A	Q&A	

Day 2 Afternoon Tea Break				
Venue: Assembly V - Poster viewing				
Time	Session 6a - Applied Research II	Session 6b - Microbiology & Surveillance	Session 6c - Circular Economy IV	Session 6d
	Venue: Senate I&II Chair: Lusanda Mfenqa-Agbasi	Venue: Fabia I Chair: Nonhlanhla Kalebaila	Venue Fabia II Chair: Suvrita Ramphal	Venue: Julia Room
15h30 - 15h45	Emergency mitigation strategies during disease outbreak using container-based solutions Paper 119, Sasha Kramer	Reduction of pathogens in domestic wastewater using advanced oxidation processes for unrestricted crop production Paper 141, Barnabas Oluoch	Biomethane potential of fresh and stored fecal sludge, food waste and relation of organics to biogas production Paper 250, Nabin Bogati	Workshop 15: Establishing a national system of innovation to fast-track adoption of non-sewered sanitation systems in South Africa <i>Organizer: WRC &amp; SASTEP</i>
15h45 - 16h00	The Reliability, Availability, Maintainability and Safety (RAMS) Framework for Guiding the Design and Operation of Non-sewered Sanitation System Paper 246, Daniel Yeh	Communities of Practice (CoPs) to support wastewater and environmental surveillance in non-sewered settings Paper 187, Carley Truyens	An analytical approach to evaluate the performance efficiency of faecal sludge treatment technologies in India Paper 38, Megha Tyagi	
16h30 - 16h45	Depth matters for microbial community function and pathogen composition in pit latrines in peri-urban Malawi Paper 43, Savanna Smith	Environmental Surveillance to determine COVID-19 prevalence in districts with Non-Sewered Sanitation Systems in Northern Ghana: Evidence to Action Paper 108, Habib Yakubu	Small Volume Composting from Dry Toilets for Sustainable Sanitation in Peri-Urban Environments Paper 42, Pablo Cotera Rivera	
16h45 - 17h00	Physicochemical and microbial variability of four ventilated improved pit latrines in Pietermaritzburg, South Africa Paper 219, Travis Hank Kunnen	Application of environmental surveillance for SARS-CoV-2 and enteric pathogens in non-sewered settings in Bangladesh Paper 158, Suraja Raj	Septic tank sludge treatment employing normal and bioenergy producing constructed wetlands: A laboratory-scale study Paper 15, Tanvir Ahmed	
17h00 - 17h15	Isotopic nitrate source apportionment in a mining/community shared aquifer and resultant public-private partnership opportunities for non-sewered sanitation Paper 238, Willie Du Plessis, Esta Van Heerden	Building City-Wide Environmental Surveillance Programmes: Sewered and Non-Sewered Surveillance for Public Health Monitoring Paper 23, Sudhir Pillay	Q&A	
17h15 - 17h30	Q&A	Q&A		
18h30 - 22h00	Venue: Red Shed Conference Dinner			

**Wednesday, 18th October 2023**

Time	Activity
08h00 - 14h00	Registration
<b>Time</b>	<b>Day 3 plenary session - Venue: Senate I&amp;II</b> <b>Chair: Konstantina Velkushonova</b>
09h00 - 09h20	Financing solutions for NSS <i>Johann Lubbe - DBSA</i>
09h20 - 09h40	NSS Pathway <i>Joy Nyawira Riungu</i>
09h40 - 10h00	Science and innovation trends: importance of terminology for globally relevant solutions <i>Linda Strande</i>
10h00 - 10h10	Envirosan Pitch <i>Jacques Rust</i>
10h10 - 10h30	Panel Discussion

Day 3 Morning Tea Break				
Venue: Assembly V - Poster viewing and discussion session				
Time	Session 7a -Regulation & Financing	Session 7b - FSM	Session 7c - Advances in Drying	Session 7d
	Venue: Senate I&II Chair: Ceaser Kimbugwe	Venue: Fabia I Chair: Tabita Napakade	Venue: Fabia II Chair: Santiago Septien Stringel & Nienke Andriessen	Venue: Julia Room
11h00 - 11h15	Financing models for household toilet construction, the Lusaka Experience Paper 91, Mutale Mwaba, Peter Mutale	Ease of Septage Management - A Tool for Sustainable and Inclusive Urban Sanitation System Paper 67, Depinder Signh Kapur	Hydraulic Simulation of Faecal Sludge Dewatering in Drying Bed Pilots located in Maputo and Tete, in Mozambique Paper 125, Filipa Ferreira	Workshop 16: Innovative financing in unlocking the NSS pathway <i>Organiser: Water Research Commission</i>
11h15 - 11h30	Progress on Establishing a Utility Sanitation Tariff in Kenya Paper 96, Eden Mati, Richard Cheruiyot	Strategy to facilitate the upscaling of shit/excreta flow diagrams as part of regulatory and management tool in South Africa Paper 211, Lusanda Agbasi-Mfenqa	Evaluating Potential of Polycarbonate sheets in improving the drying performance of Sludge Drying Beds in 4 locations of India. Paper 120, Krishna Swaroop Konidena	
11h30 - 11h45	Advances in Angola's path to sustainable sanitation – case study examples of Tômbwa and Ambriz Paper 122, Filipa Ferreira, José Saldanha Matos	Guidelines for the Utilisation and Disposal of Faecal Sludge: Requirements for Disposal of On-Site Sanitation Sludge Paper 203, Estella Zandile Jingxi	Safe management of Faecal Sludge using enhanced drying on drying beds Paper 52, Chanda Mulundu	
11h45 - 12h00	Fiscal decentralisation and its implications for urban sanitation services in Ghana, Mali, Mozambique, Nepal, and Uganda Paper 186, Helio Guiliche	Polokwane Municipality Case Study: Sharing Lessons Learned from Implementing FSM solutions Paper 72, Suvritha Ramphal, Mphela Rapetsoa	Investigation of the distribution of bound moisture fractions of faecal sludges and its relevance to moisture boundness Paper 174, Anu Thomas	
12h00 - 12h15	Integrated and decentralized solutions for improved water and sanitation services in South Asia Paper 234, Anju Varghese	Faecal sludge management solutions for informal settlements Paper 150, Pikane Mashiane, Martha Mashiane	Investigation of thermodynamic properties and sorption isotherms to determine moisture boundness on faecal sludge from different onsite sanitation technologies. Paper 144, Larona Malope	
12h15 - 12h30	E-Learning Management System (LMS) for capacity building in FSSM and UWM in India Paper 59, Chetna Singh	Q&A	Effect of ageing on the physicochemical properties of human faeces in the context of non-sewered sanitation Paper 195, Tanaka Chatema	
12h30 - 12h45	Q&A		Q&A	
12h45 - 13h30	Day 3 Lunch Break			
	Venue: Assembly V - Poster viewing			

Time	Session 8a	Session 8b	Session 8c - Advances in Dewatering	Session 8d
	<b>Venue: Senate I&amp;II</b> <b>Chair: Daniella Bemfica</b>	<b>Venue: Fabia I</b> <b>Chair: Iris Mathye</b>	<b>Venue: Fabia II</b> <b>Chair: Edwina Mercer</b>	<b>Venue: Julia Room</b>
13h30 - 13h45	NSS case study: Newgenerator Off-grid Treatment System for multi-use toilets in a South African Primary School, Bizana, Eastern Cape Paper 199, Robyn Grewar	Zambia's Journey to implementing Inclusive Sanitation Services Paper 54, Lloyd Beensi	Small particles drive poor dewatering in fecal sludge Paper 240, Ednah Kemboi	Workshop 7: African Urban Sanitation Investment Initiative- AUSII- The new wheel to sanitation for all in Africa <i>Organisers: African Development Bank Group, African Water Facility</i>
13h45 - 14h00	Septage Management in Jhansi Town: Towards Inclusive Urban Sanitation in Uttar Pradesh Paper 65, Hari Haihyvanshi	Investigating the Impact of Urban Non-Sewered Sanitation on Groundwater Quality in Coastal Areas: The Case of Thrissur, India Paper 139, Sapna Manjunath, Gargi Mishra, Siddh Doshi	Anaerobic Stabilization Reactor as more effective dewatering process in comparison to gravity Solid-Liquid Separation in FSTPs with Unplanted Drying Beds. Paper 85, Krishna Swaroop Konidena, Girija Ramakrishna, Hiranya Tallam	
14h00 - 14h15	Urban sanitation in informal settlements and low-income communities: Co-development of solutions for city governments in Bangladesh and elsewhere Paper 62, Jeremy Kohlitz	Data-Driven Approach to Improve Sales Productivity and Customer Acquisition in Informal Settlements" Paper 27, Haroon Dawood	The role of constituents in fecal sludge and stabilization on dewatering performance Paper 223, Stanley Sam	
14h15 - 14h30	Structuring Citywide Desludging and Fecal Sludge Treatment Financing Solutions with Climate Finance Paper 143, Jairus Thomas	Struvite Recovery From Anaerobically Digested Waste Activated Sludge Paper 220, Charmaine Kgomotso Funani	Quantifying the rheology and dewaterability of fresh faeces: evidencing the thermodynamic advantage of non-sewered vs. sewerred Paper 114, Shane Usher	
14h30 - 14h45	Impacts of climate hazards on onsite sanitation: Household experiences and coping strategies in Indonesia Paper 75, Jeremy Kohlitz	Q&A	Efficacy evaluation of geotextile and non-geotextile fabrics in dewatering and filtering simulant sludge Paper 131, Marine Ricau	
14h45 - 15h00	Q&A		Low-cost and low-footprint dewatering of blackwater with flocculants Paper 182, Michael Vogel	
15h00 - 15h15			Treatment of supernatant from dewatering of faecal sludge with a moving bed biofilm reactor (MBBR) Paper 232, Nienke Andriessen	
15h15 - 15h30			Q&A	
15h30 - 16h30	<b>Venue: Senate I&amp;II</b> Closing session			