

41st WEDC International Conference

DRAFT TIMETABLE OF PAPER SESSIONS

Please note that this timetable is subject to change but we do not expect to move papers between the days as listed below.

A revised timetable including side events, capacity development workshops and social events will become available nearer the time.

Tuesday 10 July – morning

PAPER SESSION 1

Rural WASH	CLTS	Equity and Inclusion	Disaster Risk Management
<p>Community health clubs growth monitoring: experience from Zimbabwe's Small Towns WASH Programme Cole, Arnold (2857)</p> <p>Household access to safe water, sanitation and hygiene in Kajiado County, Kenya Mbogo, Bernard (2985)</p> <p>Collection time inequalities: fetching water in Ethiopia Cassivi, A. (3071)</p> <p>Analysis of household access to water and sanitation in rural communities in southwest, Nigeria Akoteyon, Isaiah (2861)</p> <p>Empowering rural communities to sustain clean water and improve hygiene through self-help groups Prottas, Chris (3030)</p>	<p>Challenges and lesson learnt of CLTS in Khyber Pakhtunkhwa, Pakistan Saif, Ullah (2852)</p> <p>From forests to backyards: learnings of CLTS interventions in the tribal district of Dantewada, Chhattisgarh, India Pathak, Paritosh (2938)</p> <p>Implementing community-led total sanitation in Turkana County, Kenya Karanja Peris (2939)</p> <p>CLTS impact on community cohesion and general well being: a case study in Nadowli-Kaleo district, Ghana Bakobie, Noel (2896)</p>	<p>Reducing barriers that prevent persons with disabilities in Uganda from accessing and utilizing WASH facilities Lubega, Bob (2907)</p> <p>When faecal sludge reuse doesn't work: a look at access for the poorest and people with disabilities in urban Malawi Mallory, Adrian (2915)</p> <p>Making sanitation accessible to all: accessibility audit of public toilets in Ujjain City Kumar, Chanchal (3019)</p> <p>Equity and inclusion in WASH in Nepal: theory and practice Adhikari, Kamal (2873)</p> <p>Making rights real in India: using a tool on the rights to water and sanitation with local government officials Pati, Bikash Kumar (2928)</p>	<p>Mapping and analysis of the disaster risk of water supply schemes by using mobile applications Pokhrel, Balkrishna (2876)</p> <p>Building community WASH resilience: the case study of a rock catchment system in Marsabit County, Kenya Ochieng, Fredrick (2999)</p> <p>Using pre-crisis market analysis to strengthen emergency preparedness and resilience of WASH systems Parkinson, Jonathan (3039)</p> <p>Designing evidence-based and context-specific hygiene programs in emergencies: could there be an app for that? White, Sian (3044)</p> <p>Continuous safe water monitoring using 3G telemetry in IDP camp water supply systems: Iraq trial King, Katrice Grace (2986)</p>

PAPER SESSION 2

Schools and WASH	Sanitation Planning	MHM1	Emergency Response 1
<p>Water and sanitation competitions: an effective approach for promoting sustainable WASH services in schools and communities Namata, Teo (2860)</p> <p>Cross-country learning about innovative WASH cost and financing strategies for sustainability of WASH in schools Linda, Lilian (2887)</p> <p>Football as a catalyst for improving WASH services in schools in Kenya Makanyi, Agnes (2934)</p> <p>From awareness raising to sustainable behaviour change in school: The WASH in school road map Leclert, L.M.C. (2943)</p> <p>Empowering schools to instil good hygiene habits in children and maintain infrastructure in rural Uganda Prottas, Chris (3027)</p>	<p>Improving Zimbabwe urban WASH service delivery through U-Report Cole, Arnold (2858)</p> <p>Formally engaging the private sector for fecal sludge management services: experiences from six African cities Tillett, Will (2877)</p> <p>Pre-selecting appropriate sanitation system options as an input into urban sanitation planning Spuhler, Dorothee (2885)</p> <p>Strengthening the enabling environment for urban sanitation: public-private collaboration in Kisumu, Kenya Owako, Emanuel (2961)</p> <p>Town sanitation planning experience in small towns: a case of northern Uganda Mujabi, Martin Mukasa (3062)</p>	<p>A holistic approach to tackling menstrual hygiene management in rural communities in Kenya Kidney, Maria (2918)</p> <p>County First Lady champions in transformative partnerships for MHM advocacy and integration Kivutha, Nazi (2956)</p> <p>Faith-based approach to improving menstrual hygiene management (MHM): challenges and successes Iroegbu, Daniel Ifegwu (2955)</p> <p>WASH infrastructure and menstrual hygiene management in basic schools: a study in Kumasi, Ghana Acheampong, Patricia (3043)</p>	<p>Public private partnerships (PPP) in emergencies: the case of Dollow water management company, Gedo region Were, Rispa (2879)</p> <p>Markets for WASH: from preparedness to response against typhoid and cholera outbreaks in Zimbabwe Ngala, Parvin (3065)</p> <p>Impact of climate change on WASH Services: a case from Nepal Ahmad, Tameez (2871)</p> <p>Pathways to professionalised community water services in a protracted crisis: a case from Juba Matoso, Mariana de Sousa (3063)</p> <p>Surface water management in humanitarian crises Abbott, Justin (3072)</p>

Tuesday 10 July – afternoon

PAPER SESSION 3

Sanitation Products / Nutrient Recovery	Finance – National Level	MHM2 / Hard to Reach Communities	Emergency Response 2
<p>Low-cost faecal sludge dewatering and carbonisation for production of fuel briquettes Atwijukye, Osbert (2880)</p> <p>Faecal matter-saw dust composite briquette and pellet fuels: production and characteristics Nyaanga, Daudi (2891)</p> <p>Modelling nitrogen and phosphorus dynamics in soil fertigated with decentralised wastewater treatment effluent Musazura, William (3028)</p> <p>Finding sustainable funding for WASH facility monitoring through nutrient recovery in southwest Uganda Kamuteera, Eric (2854)</p> <p>Use of ecosan latrine products in farming: the need for local guidance and monitoring for sustainability Ntakarutimana, Amans (3017)</p>	<p>Sector and project financing in Kenya: financing strategies for service delivery Mati, Eden (2971)</p> <p>Experience and opportunities for commercial financing in Kenya's WASH sector Kazimbaya-Senkwe, Barbara (3067)</p> <p>Financing WASH services to 2030 across Africa: reflections from a 12 country policy dialogue White, Zachary (2963)</p> <p>The impact of devolution on the structure and financing of the WASH sector in Kenya White, Zachary (2969)</p> <p>Mapping Malawi's budget decision-making for rural WASH service delivery Wahba, Joy (3024)</p>	<p>The SMART approach: a solution for the hard to reach? Holtslag, Henk (3001)</p> <p>Boosting rural economies and creating sustainable water supplies for the most difficult to reach Haanen, Rik (3042)</p> <p>Sanitation secrets and menstrual hygiene management: what can perimenopausal women tell us? Bhakta, Amita (3069)</p> <p>Analysis of menstrual hygiene practices in Nepal: the role of WASH in schools programme for girls education Dhakai, Surendra Babu (2870)</p> <p>Sanitation problems faced by selected slum women: a micro-level study Lakshmi, S. (2980)</p>	<p>Household water filters and waterborne epidemics: a case study from South Sudan Acquistapace, Alberto (2868)</p> <p>Rapid response to efficiently counter cholera: lessons from a 45 days intervention in Eastern DRC Cardon, A. (2913)</p> <p>Containing the acute watery diarrhoea in Sudan: the WASH side of the story Nadar, Kannan (2935)</p> <p>Systematic improvements in humanitarian WASH services: Ugandan Refugee settlements Okurut, Kenan (2919)</p> <p>Shedding light on humanitarian sanitation Reed, Brian (3073)</p> <p>Process cost analysis for the optimization of a container-based sanitation service in Haiti Remington, Claire (3000)</p>

Wednesday 11 July – morning

PAPER SESSION 4

Pumps	Finance – Local Level	Hygiene	Knowledge Management / MHE
The impact of procurement and siting procedures on handpump functionality in Uganda Liddle, Elisabeth (2886)	Using results based financing and adaptive programming to improve water service delivery in rural Tanzania Brown, Chris (2958)	Effectiveness of integrating sanitation and nutrition (SanNut) programs: evidence from an RCT in Kitui, Kenya Gimaiyo, Gerishom (2869)	Getting the message across: an experiment in radio-based water resources management education in Malawi Nhlema, Muthi (2909)
Life cycle analysis: assessing the capital and operational expenditure of handpump preventive maintenance Butterworth, Sam (2944)	Sanitation financing lessons learnt from application of different financing instruments in Busia County Josphat, M. (3066)	Designing a food hygiene intervention for children 6-9 months in an informal settlement in Kisumu, Kenya Simiyu, Sheillah (2946)	Understanding the knowledge management needs of SuSanA's stakeholders Shaylor, Esther (2975)
Simple, low-cost solar pumping is now a reality DeMarco, John (3018)	Management of cost recovery for sustainable rural water supply: case study from Uganda Keesiga, Diana (2856)	Child care-giver food hygiene practices in urban informal settlements of Kisumu, Kenya Mumma, Jane (2991)	Mobile technology for improved governance, resilience and sustainability of water supplies in Ethiopia Gizaw, Mesfin (2979)
Assessment of the functionality of rope pumps for sustainable water supply in rural areas of Malawi Kamanga, Andrew J. (3041)	Examining the local financing of rainwater harvesting (RWH) in low-income settlements of Enugu, Nigeria Ezonwaji, Emma (2875)	Maintaining behaviour change: innovations in demand-side sanitation and hygiene interventions Berhe, Geberemariam, Resom (2899)	Initial lessons learned in making sanitation data useful for decision making Archer, John Peter (2990)
Acceptability of rope pump technology as a water supply option in rural and peri-urban areas of Malawi Mhango, James (3049)		Water, sanitation and hygiene in health care facilities: reinforcing existing structures and best practices Nyirenda, Daniel (2984)	Methodological challenges of measuring impacts of WASH on educational and health outcomes Agol, Dorice (3045)

PAPER SESSION 5

Water Supply / Quality	Assessment & Evaluation of Faecal Sludge	Paying for Water	Local / Private Sector Entrepreneurs
Microbiological quality and handling practices of street-vended sachet drinking water in Mwanza, Malawi Manjaya, Davie (2900)	Pit latrine faecal sludge accumulation: assessment of trends and determinants in low-income settlements in Nakuru, Kenya Gudda, Fredrick (2911)	Creating sustainable water services through borehole banking Mbewe, Dorothy Bertha (2890)	WASH at work: exploring the opportunity for employers to trigger sanitation demand amongst salaried workers Labi, Valerie (2892)
Making the case for improved planning, construction and testing of water supply infrastructure in Malawi Mannix, Nick (2908)	Assessment of heavy metals in sewage sludge and their accumulation in cabbage (<i>Brassica oleracea var capitata</i>) Moturi, Wilkister (2923)	Are Kenyan water customers willing to pay a pro-poor sanitation surcharge? Kisiangani, Joyce (2905)	Sustainopreneurship strategies to promote sustainable socially-oriented bottom of pyramid water supply businesses in Kisumu Nthuni, Stella (2964)
Beyond water service coverage for slum dwellers: multiple water uses for livelihood enhancement Kanyesigye, Christopher (3061)	Faecal sludge management using black soldier fly larvae: a preliminary study in Durban, South Africa Mutsakatira, Ellen (2994)	How downward accountability tools enhance willingness to charge and pay towards credit worthy water utilities Luseka, Euphresia (3007)	Promoting entrepreneurship and affordable financing for uptake of improved toilets in Nigeria Khan / Farooq (3051)
Integrated water systems in the drylands: using a multiple-use water services approach in Niger Flachenberg, Franck (2853)	Microbial evaluation of the viscous heater for commercial applications in faecal sludge treatment Peguero, Daniela (3016)	Improving revenue management for sustainable rural water services: innovative prepaid water system Tonya, Eng. Ephraim (3057)	The role of entrepreneurs in provision and sustainable operations of sanitation facilities in public places in Nigeria Khan / Farooq (3056)
Impact of socio-economic factors on the performance of small town water systems in the western region of Ghana Laryea, Nii Odai (2863)	Implementing an engineering field testing platform for sustainable non-sewered sanitation prototypes Mercer, Susan (2916)	The impact of price increases on water station performance and inclusiveness in Ghana Worsham, Kimberly (2983)	

Wednesday 11 July – afternoon

PAPER SESSION 6

Water Resources	Drying and Dewatering of Faecal Sludge	Sustainability Issues	ESPRESSO SESSION 1
<p>Citizen voice for WASH-IWRM integration in devolved governance: lessons from Watershed Kenya Gai, Irene (2968)</p> <p>Water retention landscape: mini catchment approach Wambugu, George (2997)</p> <p>Water quality validation and implications for future programming: a case study from Ethiopia Okowa, Ruth (2989)</p> <p>Implementation of a freshwater lens assessment protocol on Karst Islands DiFilippo, Robert (3055)</p> <p>E. coli contamination of mountain springs used for drinking water and drilled well alternatives Resto, Monica (3064)</p>	<p>Solar drying of faecal sludge from pit latrines in a bench-scale device Septien Stringel, Santiago (3008)</p> <p>Evolution of faecal sludge chemical and physical characteristics during drying Septien Stringel, Santiago (3012)</p> <p>Characterisation of faecal sludge simulants for drying experiments Deering, Naomi (3026)</p> <p>Use of chitosan and Moringa oleifera as conditioners for improved dewatering of faecal sludge Moto, Nuhu (3014)</p> <p>Health and safety: handling faecal sludge in the Pollution Research Group's laboratory facilities Zikalala, Thabiso (3003)</p> <p>Setting up and operating faecal sludge laboratories: Three case studies from developing countries Zikalala, Thabiso (3004)</p>	<p>Co-management, a model for achieving sustainability of community water supplies: a case of East Darfur Ochieng, Cleophas (2950)</p> <p>Decision support system tool for the evaluation of sustainability of rural water supply services Horecha, Alazar Negash (2952)</p> <p>Social and behaviour change for sustainable WASH interventions Chihanga, Takudzwa Faith (2976)</p> <p>How can NGOs support local government institutions to sustain sanitation? Case studies from Bangladesh Goodall, Susie (3070)</p> <p>Ensuring sustainability and improving functionality of water supply facilities through VLOM in Nigeria Khan, Farooq (3047)</p>	<p>TBC</p>

Thursday 12 July – Morning

PAPER SESSION 7

Wastewater Treatment	Achieving ODF status	Sustainable Systems	ESPRESSO SESSION 2
<p>Performance evaluation of Kangemi Sewage Plant in nutrients and organic matter removal, Nyeri, Kenya Hassan, S. (2903)</p> <p>Antibiotic resistance in the sediments of a second order stream passing through agricultural farm land: Njoro River Kenya Itotia, Tabitha (2941)</p> <p>Treatment potential of Typha latifolia in removal of heavy metals from wastewater using constructed wetlands Githuku, Catherine (3036)</p> <p>Kibera Integrated water, wastewater treatment and power facility: lessons from 1,500 days of operation Maina, Robert (3040)</p>	<p>Nandom District in Ghana stands out to reaching a district wide ODF journey towards Odame-Boafo, Bessy (2942)</p> <p>The genesis of ODF Koppal in India: contextualizing leadership and innovations to achieve sanitation at scale Raja, V. (2987)</p> <p>Open defecation free sustainability study in Nepal Shrestha, Siddhi (2874)</p> <p>Factors that promote open defecation and its implications on the inhabitants of Nyankpala Township, Ghana Bakobie, Noel (2897)</p> <p>Partnering with government and communities to achieve open defecation free status at scale: an example from the Indian state of Bihar Umar, Asad (2965)</p>	<p>Synergy and complementarity for sustainability of WASH programmes: the case of WASH Alliance Kenya Miriti, Mercy (2904)</p> <p>Evolving water point mapping to strategic decision making in rural Malawi Miller, Alexandra (2920)</p> <p>Systems mapping for sustainability: a case study of shifting the focus of NGO action in Malawi Byrns, Sydney (3013)</p> <p>Modelling and surveying Syria's urban water systems Jurji, Zaid (3060)</p> <p>Making water services last: a community-based management model for service sustainability in Ethiopia Mengistu, Bethlehem (2959)</p>	<p>TBC</p>

PAPER SESSION 8

Water Treatment	Rural Sanitation	Urban Sanitation	Creating Demand / Marketing
<p>International collaboration to implement the scalable and affordable fluoride removal (SAFR) process in East Africa Cherukumilli, Katya (2906)</p> <p>Lessons learned from fifteen drinking water treatment program evaluations in Haiti Gallandat, Karin (2895)</p> <p>Point of use water treatment technique: lessons from World Vision's drought response project in Taita Taveta, Kenya Mareki, Faith (2931)</p> <p>Potential of Mg/Ce/Mn oxide infused diatomaceous earth for defluoridation of groundwater at point of use (POU) Gitari, Wilson (2878)</p> <p>Shock chlorination: the solution to safer water? Verkerk, Adriana (2921)</p>	<p>Can direct benefit transfer strengthen the Swachh Bharat Mission? Learnings from three districts in Madhya Pradesh, India Singh, Kanika (2978)</p> <p>Effectiveness and sustainability of community-led total sanitation in Yobe State, Nigeria Wrabel, Maria (2881)</p> <p>Using immersive research to understand rural sanitation: lessons from the Swachh Bharat Mission in India Abraham, Mary (2866)</p> <p>The evolution of rural sanitation approaches in Ghana White, Zachary (2966)</p> <p>Recent performance of a national-scale rural sanitation programme in Ghana White, Zachary (2967)</p>	<p>Bridging the gap between sustainability and affordability: communal sanitation in urban slums of India Anantakrishnan, Lubna (2872)</p> <p>Alternative low-cost latrine option for rural and peri-urban communities Duku, Godwin Armstrong (2974)</p> <p>Financial inclusion and safe sanitation in slum communities of Abuja, Nigeria Abass, Kabiru (3021)</p> <p>Increasing household toilet investments through CLUES: lessons from Ashaiman Municipal Assembly, Ghana Tumwebaze, Kamara Innocent (3058)</p> <p>Limited community led approach in implementation of the Clean India Programme in urban areas Kumar, Chanchal (2953)</p>	<p>Improving WASH in informal settlements of Kigali, Rwanda through diverse marketing exchange mechanisms Tsinda, Aime (2862)</p> <p>Sustaining WASH services through market based approaches: field experiences by the KIWASH Project Kubasu, Ronald (2922)</p> <p>Demand for plastic latrine slabs in rural Kenya and Tanzania Ronoh, Patrick (2932)</p> <p>Creating demand for safe human excreta disposal in a nomadic community: a case study of Riba location, Wajir county Issack, Shukri (2937)</p> <p>Consumer drivers and barriers of WASH products use in rural Ethiopia Girma, Woldemariam (2954)</p>

Thursday 12 July – afternoon

PAPER SESSION 9

Community and Sustainability	Institutional Development	Capacity Building	Water Security	ESPRESSO SESSION 3
<p>Community management solutions can work: participatory development in water services in Malawi Magoya, Joseph (2940)</p> <p>Simple community-based solutions that enhance sustainability of rural sanitation behaviour change: KSHIP project, Kenya Munai, Dennis Kipkoech (2996)</p> <p>Community quality control monitoring of latrines and boreholes in the central north region of Burkina Faso Kere, Cyrille (3011)</p> <p>Community confidence in WASH and development service delivery: a case from Kianjai, Kenya Enang, Roses (3068)</p> <p>Community management of water points in the Democratic Republic of the Congo: identifying success factors Nilsson, Kristina (2867)</p>	<p>Municipal-academic partnerships for innovation in sanitation delivery: a case study in Durban, South Africa Sindall, Rebecca (2927)</p> <p>Integrating health and WASH sectors to help bring sustainable access to WASH in health facilities: a case study from Mali Maiga, Alassane (3006)</p> <p>Engaging religious organisations in WASH programmes: a conceptual framework and case study from Zimbabwe Mallonee, Nathaniel (3023)</p> <p>International review of institutional models to support the development of the National Sanitation Authority in Ghana Parkinson, Jonathan (3050)</p> <p>Building partnership for participatory sanitation and hygiene planning: lessons and experience from Tanzania Beale, Joanne (3005)</p>	<p>Capacity-building village sanitation committees accelerate and sustain the open defecation free status of communities Lengewa, Moses (2951)</p> <p>Using T4D to strengthen sustainability of community-based management of rural water supply services in Zimbabwe Dhoba, Lovemore (2993)</p> <p>Building the capacity of water action groups through citizen participation, Kenya Murumba, Ruth (3010)</p> <p>Online course on faecal sludge management: case study in Durban, South Africa Velkushanova, Konstantina (2917)</p>	<p>Addressing challenges of water resilience: a study of water security risk in pastoralist households in Kenya Balfour, Nancy (2910)</p> <p>Emotional wellbeing as a proxy indicator for water security among pastoralists in Afar, Ethiopia Cooper, Sarah (2948)</p> <p>Water security planning (WSP) for sustainable water resources management in West Africa Gbevillah, Felix (2972)</p> <p>Monitoring and management of climate resilient water services in the Afar and Somali regions of Ethiopia Butterworth, J. (2912)</p>	<p>TBC</p>