

2014 Water and Health Conference: Where Science Meets Policy

October 13-17

University of North Carolina at Chapel Hill

Poster Presentation Schedule*

Tuesday, October 14

| TITLE | PRESENTER |
|---|--|
| Addressing Disparities in WaSH: Rural, Peri-Urban, and Indigenous Populations | |
| Peri Urban/Informal Settlements Unit-An Effective avenue of Addressing Disparities in WaSH in Informal Settlements and Peri-Urban Areas | Kenneth Owuocha, Athi Water Services Board |
| Undoing Inequity: inclusive water, sanitation and hygiene services that deliver for all in Uganda and Zambia | Jane Wiibur, WaterAid <i>(presented by Sue Cavill)</i> |
| Water quality, decision-making, and disease before and after a flood: A natural experiment among an indigenous population in the Bolivian Amazon | Asher Rosinger, University of Georgia |
| Assessment of access and practice of improved WaSH services among pregnant women in tribal, rural and slum populations: A cross sectional study in Odisha, India | Bijaya Padhi, Asian Institute of Public Health |
| Unreliable water supplies and household coping strategies: Revisiting ?Free? Basic Water Services in Limpopo, South Africa | Batsirai Majuru, University of East Anglia |
| The political ecology of social disparities in groundwater contamination: the case of small water systems in Kern County, California | Seigi Karasaki, University of Tokyo |
| Bringing water to tribal communities - Adhikar and Water.org | Lesley Pories, Water.org |
| Mooncups, pads and rags: WASH needs and access for menstruating girls in rural Kenyan schools | Kelly Alexander, Liverpool School of Tropical Medicine |
| How did E. Asian Tigers Provide Sanitation Access So Quickly? | Timothy Brewer, WaterAid <i>(presented by Henry Northover)</i> |
| A novel method for collecting and analyzing fecal exposure transmitted by the housefly in urban Accra, Ghana | Sasha Zaharoff |
| Changes in Water Quality and Behaviors after Intervention in Northern Malawi | Paula Strassle, Rollins School of Public Health, Emory University |
| Examining the influence of urban definition when assessing relative safety of drinking-water in Nigeria | Elizabeth Christenson, University of North Carolina at Chapel Hill |
| Open defecation, population density, and child height in Madhya Pradesh, India: An ecological analysis of new data on over 22,000 children | Sangita Vyas, Rice Institute |
| Water, sanitation, hygiene and environmental conditions in health care facilities in low-resource settings | Ryan Cronk, The Water Institute at UNC |
| Hygiene and Behavior Change | |
| Uncovering the challenges to menstrual hygiene management in schools in Mali | Victoria Trinies, Emory University |
| Factors influencing community health promoter performance in a large-scale handwashing and home water treatment intervention in urban Bangladesh | Farzana Begum, icddr |
| Prevalence of Diarrheal Pathogens on Children's Toys and the Association with Water, Sanitation and Hygiene Conditions | Natasha Potgieter, University of Venda |
| Effect of encouraging low-income households to create their own handwashing station on handwashing with soap before food preparation and before feeding a child | Debashish Biswas, icddr, b <i>(presented by Md. Fosiul Nizame)</i> |
| Negotiated Approach Improves Menstrual Hygiene Management and Behavior Change in Rural Primary Schools of Uganda | Agnes Namuli |
| Menstrual hygiene management knowledge, facilities, and practices associated with school absence among Bangladeshi adolescent school girls | Mahbub-Ul Alam, icddr, b |
| Monitoring the inputs required to extend and sustain hygiene promotion initiatives: where are we falling short? | Leslie Moreland, London School of Hygiene and Tropical Medicine |
| ""I'm the cleanest hobo I know"": The work of hygiene and pollution in riverbottom homeless encampments and urban ecological restoration | Jennifer Mokos, Vanderbilt University |
| Improving Health in Rio de Janeiro's Favelas through Water Education | Morgan Close, Project WET |
| Evaluation of education and training in water and sanitation technology: Case studies in Nepal and Peru | Tommy Ngai, CAWST <i>(presented by Candice Young-Rojanschi)</i> |
| Monitoring and Evaluation: Impact and Efficiencies for Projects and Programs | |
| Service monitoring in Ghana: Do the benefits outweigh the costs? | Vida Duti, IRC Ghana |
| The construct validity of a novel method for quantifying water consumption in slum settlements in Mumbai, India | Ramnath Subbaraman, Brigham and Women's Hospital |
| Community Monitoring for Sustainable WASH: The Case of Twachiyanda, Zambia | Emmanuel Opong, World Vision International |
| The WASHplus Approach for Discovering, Collecting, Curating and Disseminating WASH Sector Knowledge and Information | Dan Campbell, USAID WASHplus |
| Monitoring a complex latrine intervention to improve program delivery and increase acceptance in rural communities in Bangladesh | Faruqe Hussain, icddr, b |
| Evaluation of the school-based SOPO handwashing campaign in western Kenya | Kelly Kamm, University at Buffalo <i>(presented by Pavani Ram)</i> |
| Over-reporting in handwashing self-reports: potential explanatory factors and alternative measurements | Nadja Contzen, Eawag |
| Combining remote monitoring and ethnography to estimate sanitation behaviors | Kathleen O'Reilly, Texas A&M University |
| A Case Study Evaluation of Community Health Clubs in Port-au-Prince, Haiti | Jason Rosenfeld, University of Texas Health Science |
| Effectiveness of a school based intervention to improve knowledge, attitudes and practices of water, hygiene and sanitation among school children in Kiran Batticoloa Sri Lanka | Marakande sepal Wickrematila, Ministry of Health |
| Household Water Treatment & Safe Storage: Knowledge Development & Diffusion in the Scientific Literature & Its Potential Impact on Practice | Laura MacDonald, Johns Hopkins University |
| An online simulation environment for the collaborative design of drinking water infrastructure | Christopher Kelley, Johns Hopkins University |
| A Framework for Monitoring and Evaluating Social and Environmental Impacts of WaSH Social Enterprises | Garrison Gordon, The Water Institute at UNC |

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10/7/14

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Poster Presentation Schedule*

Wednesday, October 15

| Title | Presenter |
|--|---|
| WaSH in Post-2015 Sustainable Development Goals | |
| What's so communal about communities in rural India?: Social distance, village conflict, and open defecation | Payal Hathi, Research Institute for Compassionate Economics |
| Business Model Innovation in the Water Sector in Low-Income Countries | Caroline Saul, Eawag |
| Assessing the vulnerability of drinking water systems to compound climate hazards in coastal Vietnam and Philippines | Edema Ojomo, The Water Institute at UNC |
| CO2 for H2O: An evaluation of carbon credits to finance household water treatment | Sarah Summers, The George Washington University |
| The science behind water-oriented leadership programs: How this can affect WaSH post-2015 policy. | Rachael Kennedy, Virginia Tech University |
| Sanitation: How Are We Doing on Defining the Future? | |
| Managing Infants' and Young Children's Sanitation: Formative Research from Cambodia | Lindsay Voigt, WaterSHED |
| New latrines, old latrines: drivers of demand for urine-diverting toilets and local sanitation innovation in peri-urban Malawi | Richard Chunga, London School of Hygiene and Tropical Medicine |
| Does open defecation contribute to antibiotic resistance?: A cross-sectional study of antibiotic usage in India | Sangita Vyas, Rice Institute |
| Sanitation and health externalities: Resolving the Muslim mortality paradox | Dean Spears, Delhi School of Economics, & r.i.c.e. |
| The Role of Markets in the Future of Sanitation Development Efforts | Blake McKinlay, IDE |
| Controlling fecal odors: Factors influencing hydrogen sulfide adsorption onto biochar during pyrolysis of feces | Elizabeth Travis, University of Colorado |
| Evaluating the Bacterial Microbiota of Reclaimed Water Using Next Generation Sequencing | Amy Sapkota, University of Maryland School of Public Health |
| Water Supply and Quality: From Catchment to Consumer and Back | |
| Giardia infection in humans and animals in Coastal Odisha, India and environmental loading from animals. | Marion (Mimi) Jenkinsm University of California, Davis |
| Assessment of Pathogenic Bacteria in Greywater and Irrigated Soils | Maya Benami, Ben Gurion University of the Negev |
| Fate of Cryptosporidium and Giardia during anaerobic digestion of swine waste. | Maureen Kinyua, University of South Florida |
| Life Cycle Assessment of Adsorbents for Fluoride Removal from Drinking Water in East Africa | Teshome Yami, University of Oklahoma |
| Giardia and Cryptosporidium in community water sources in rural India: associations with source characteristics, human and animal fecal contamination, and sanitary conditions. | Marion (Mimi) Jenkinsm University of California, Davis |
| Decentralised Water and Wastewater Treatment Risk Assessment and Management Model | Lisa Kowalczyk, University of Leeds (<i>presented by Barbara Evans</i>) |
| Prevalence of Shigellosis and Antibiotic susceptibility profiles of Shigella species isolated from drinking waters in three towns of Sokoto State, Nigeria | Mudasiru Raji, Usmanu Danfodiyo University |
| Metered hand-pumps: Privately operated hand pumps as a way to improve sustainability and service delivery | Diana Keesiga, Water for People |
| Planning for sustainable water delivery in Kenya's arid and semi-arid lands | René van Lieshout, IRC |
| Addressing Disparities in WaSH: Rural, Peri-Urban, and Indigenous Populations | |
| Geospatial Patterns of Well Water Contamination in Northern Malawi | Paula Strassle, Rollins School of Public Health, Emory University |
| Killing pathogens in treatment ponds: predicting the role of sunlight from wastewater optical properties | Simón Mostafa, University of Colorado - Boulder |
| Perceptions of Fluorosis in the Ethiopian Rift Valley | Anne Kroeger, University of Oklahoma |
| Household and neighborhood-level risk factors for diarrheal disease in South Quito, Ecuador | Kate Shields, The Water Institute at UNC |
| Public Health in Pakistan: A Decade of Past Experiences and Future Challenges | Waseem Ahmed, Health And Nutrition Development Society-HANDS |
| Probing the impacts of climate change on household water supply in Mozambique | Jeff C. Ho, Stanford University |
| Personal history of water carriage is associated with self-reported pain location and ratings of general health: a cross sectional survey in South Africa, Ghana and Vietnam | Jo-Anne Geere, University of East Anglia |
| WaSH Emergency Response | |
| Implementing Dispensers in Emergencies: Recommendations from Research in Haiti, Sierra Leone, DRC, and Senegal | Travis Yates, Tufts University |
| Cholera Transmission in Haiti: Deconstructing a Gravity Model | Alicia Mullis, University of Michigan-Ann Arbor |
| Monitoring and Evaluation: Impact and Efficiencies for Projects and Programs | |
| Improving monitoring of sustainability in WaSH: evaluating existing frameworks and a systematic review of the evidence | Ryan Cronk, The Water Institute at UNC |
| Sustainability of biosand filters implemented by EWB-USA before 2012: Content analysis of project reports and project team interviews | Jodi Gentry, US Army Corps of Engineers |
| A case study: Design Outreach LifePump™ hand pump provides water in two Malawian villages with ultra-deep wells | Abraham Wright, Design Outreach |
| Have you updated the PUMP? Experiences in monitoring and improving rural safe water services with an online management platform | Andrew Armstrong, Water Missions International |
| Factors affecting cleanliness and functionality of communal toilets in low income settlements in Dhaka, Bangladesh; addressing trash disposal and water availability problems for a community intervention | Farzana Yeasmin, icddr, b |

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| Title | Presenter |
|---|---|
| Sanitation: How Are We Doing on Defining the Future? | |
| Sanitation externalities, disease, and children's anemia | Diane Coffey, Princeton University |
| Understanding the Sanitation-related Motivators and Preferences in Northern Nigeria; Towards Achieving the MDGs | Boluwaji Onabolu, UNICEF |
| Performance Benchmarking: A tool for improving the Urban Sanitation Services in Pakistan | Fida Hussain, Pakistan Water Operators Network (P-WON) |
| Transforming Sanitation Coverage: Civic Champions Inspire Sustained Change | Lindsay Voigt, WaterSHED |
| Embedding a capability approach within sanitation marketing | Dani Barrington, Monash University and International WaterCentre |
| Adoption and Sustained Use of the Arborloo in Rural Ethiopia: A Cross-Sectional Study | Dionna Fry, Rollins School of Public Health, Emory University (presented by Katherine Cunliffe) |
| Assessing market structure and demand for current and potential sanitation services: A view from slums in Nairobi | Mark O'Keefe, Eawag |
| Recovery of nutrients from source-separated urine via biochar - Generating valuable and marketable end products from sanitation systems | Jeanette Neethling, University of Colorado, Boulder |
| Pyrolysis Kinetics of Fecal Sludge: Experiments and Modeling | Tesfayohanes Yacob, University of Colorado |
| Overview of Child Feces Disposal Practices in 25 countries | Emily Christensen Rand, World Bank Water and Sanitation Program |
| Effect of neighbourhood sanitation on diarrhea morbidity | Tiffany Young Mee Jung, University of Toronto |
| What does religion have to do with the demand for sanitation?: Explaining variation in sanitation between India and Bangladesh | Sangita Vyas, Rice Institute |
| Dewatering and Drying of Sanitary Wastes by Novel Use of a Breathable Membrane Process | Steven Dentel, University of Delaware (presented by Shray Saxena) |
| An in-demand reuse option for human waste: Feces briquettes | Emily Woods, Sanivation |
| Water Supply and Quality: From Catchment to Consumer and Back | |
| Development of low-cost and effective sorbents for drinking-water fluoride mitigation in developing regions in the Rift Valley of Ethiopia | Junyi Du, The University of Oklahoma |
| Performance of Biosand Filters after Relocation | Kristen Jellison, Lehigh University |
| Water quality assessment of large-volume samples from small water supplies in Alabama | Jessica Wedgworth, University of Alabama |
| Life-Cycle Cost Analysis and Affordability of Fluoride Mitigation Alternatives in Ethiopia | Jim Chamberlain, University of Oklahoma |
| Assessing Functionality for Water Schemes in Select Areas of Ethiopia where Millennium Water Alliance Partners Operate | Sarah Sparker, Millennium Water Alliance |
| BioSand Filters: effects of physical disturbances on media compaction and filter performance | Naomi Mahaffy, CAWST |
| Granular Brass Media as a Technology for the Removal of Dissolved Copper and Lead from Water | David Holcomb, University of North Carolina at Chapel Hill |
| A multilevel longitudinal study of the determinants of household drinking water quality in four districts of Northern Ghana | Michael Fisher, The Water Institute at UNC |
| Prioritization of Water Quality Indicators: The MWA Experience In Ethiopia | Andy Karp, Millennium Water Alliance |
| Preferences of arsenic mitigation options in Bangladesh: Stakeholder and end user perspectives | Mohammad Mojahidul Hossain, Christian Commission for Development (presented by Hans-Joachim Mosler) |
| Determinants of water use among urban households in Tanzania: water source access, use, and treatment | Olga Rostapshova, Social Impact (presented by Danae Roumis) |
| Microbiological and chemical quality of packaged water in bottles and sachets and household stored drinking water in Freetown, Sierra Leone | Ashley Williams, The Water Institute at UNC |
| Hypospadias and maternal exposure to atrazine via drinking water | Jennifer Winston, Carolina Population Center |
| Impact and acceptability of using Moringa oleifera seeds and handwashing with soap to improve household drinking water and diarrhoea incidence in Poor Rural Tanzania | Frank Mng'ong'o, London School of Hygiene and Tropical Medicine |
| Safe water for rural Africa: When science meets policy | Bastian Schnabel, University of Brighton |
| Marketing Household Water Treatment: Willingness To Pay Results from an Experiment in Rural Kenya | Clair Null, Mathematica Policy Research |
| Optimising the performance of studies evaluating the public health impact of community water supply quality interventions | Joanne O'Toole, Monash University |
| Understanding why boiled water users adopted solar water disinfection (SODIS) in rural Vietnam | Max Friedrich, EAWAG |
| Presence of Pseudomonas aeruginosa in coliform-free sachet drinking water in Ghana | Justin Stoler, University of Miami |
| Swell Actuated Reverse Osmosis System Desalination Project | Laura Smailes, SAROS |
| Disruptive Innovation in Water Desalination and Purification | Dipak Mahato, SeaChange Technologies |
| Caddisfly, a low cost, mobile-based water quality test kit | Kendra Terry, Akvo |

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