

DRY TOILET 2018 – Programme

WEDNESDAY 22.8.

Pre-conference

Chair: Sanna-Leena Rautanen

8.00-	Registration	Kuivaamo
9.00-9.30	Coffee	Kuivaamo
9.30-12.00	Morning session with MHM theme	Lielhti Manor
9.30	Welcome words	
9.40	Rolf Luyendijk, Executive Director of WSSCC	
10:00	Lydia Chibambo, Zambia <i>Ecosan Breaking Barriers: An Opportunity to Address Menstrual Health and Gender Equality</i>	
10:25	Martina Nee and Chelsea Huggett, Sweden <i>Sustainable Sanitation Solutions: practical approaches to address gender equality and menstrual hygiene management</i>	
10:50	Pallab Nepal, Nepal <i>Social and cultural aspects of menstrual hygiene management among school girls: A study from Bajhang District of Far West Nepal</i>	
11:15	Sanna-Leena Rautanen, Finland	
12.00-13.00	Lunch	Kuivaamo
13.00-14.45	Afternoon workshop	

DT2018 - Afternoon programme

9.00-17.00	Exhibition	Kuivaamo
15.00-16.00	DT2018 Opening plenary	Kuivaamo
	Ruusa Gawaza <i>Chairperson of Global Dry Toilet Association of Finland</i>	
	Pasi Pöysäri <i>KEO-90 Deputy Director, Ministry for Foreign Affairs in Finland</i>	
	Reijo Väliharju <i>City of Tampere</i>	
16.00-16.30	Coffee	Kuivaamo
16.30-	Walking tour	
	<i>Hiedanranta then, now and tomorrow -walking tour by Reijo Väliharju</i>	
	<i>Algal Culture Tour, by Pritha Chatterjee</i>	
18.00-20.00	Get-together	Kuivaamo

DRY TOILET 2018 – Programme

THURSDAY 23.8.

8.00 - 17.00	Registration & Info desk open	Kuivaamo
8.15 – 8.45	Coffee	Kuivaamo
8.45 – 10.45	Morning parallel workshop sessions	

SESSION 1 – Kuivaamo – Chair Gina Itchon

Time	Speaker	Title
8:45	Alisa Keeseey, USA	Container-based Sanitation at the Standing Rock protest: an experiment in communal toilet management and extreme composting in rural North Dakota, USA
9:00	Jan Hitzegrad, Germany	Pilot Project for Basic Needs Service Provision for Rural Households in Mexico – A status report
9:15	Gaston Jean, Haiti	Implementation of a dry toilet with biocontrolled litter device in an Haitian rural area
9:30	Hidenori Harada, Japan	Long-term acceptability of urine-diversion toilets in rural Malawi
9:45	Oyungerel Tsedevdamba, Mongolia	Promoting Sustainable Sanitation to Mongolian Public Using a Book and Nationwide training
10:00	Linus Dagerskog, Sweden	Return to learn – ecosan use and reuse post-project in villages in Burkina Faso and Niger
10:15- 10:45		Discussion

SESSION 2 – Wilhelm – Chair Tuula Tuhkanen

Time	Speaker	Title
8:45	Mariya E. Kelova, Norway	Dry toilets technology review within the framework of circular economy: The transformation of human excreta into new resources and risks associated with their utilization
9:00	Ryusei Ito, Japan	Ammonia Diffusion through a semipermeable membrane during Forward osmosis process
9:15	Srinivasamurthy C A, India	Biochar Enrichment Using Human Urine And Its Impact on Soil Properties, Growth and Yield of French Bean
9:30	Surendra K Pradhan, Finland	Mineral fertilizer production from human urine using Gas-permeable hydrophobic membrane
9:45	M. Ganesapillai, India	Enhancing the adsorption properties of carbonized Human feces by SiC Nano-particles for heavy metal removal
10:00- 10:45		Discussion

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SESSION 3 – Marie – Chair Dexter Lo

Time	Speaker	Title
8:45	Derek Lam, Hong Kong	Eco toilet DEHTLET system
9:00	Xanthe Roux, South Africa	Assessing two toilet designs and how innovative technologies might lead to better acceptance
9:15	Mooyoung Han, Republic of Korea	Fertility Optimization of Stored Urine in a Dry Toilet
9:30	Yoshiki Higuchi, Japan	Introduction of Compact Compost Toilet as a Disaster Preparedness to Detached Housing in Japan
9:45	Uzra Sultana, India	Project Nirmal - Piloting appropriate and sustainable sanitation service delivery in small towns of Odisha, India
10:00-10:45		Discussion

11.00-12.00 **Keynote 1** **Kuivaamo**

Ambassador Mr. Bruce J. Oreck
Confronting the reality overwhelming freshwater shortages in the century of massive urbanization

11.00-16.00 **Exhibition** **Kuivaamo**

12.00-12.30 **Dry Toilet Visit** **Kuivaamo**

12.00-13.15 **Lunch** **Kuivaamo**

12.30-13.15 **Poster session 1** **Kuivaamo**

Chair: Elijah Ngumba

Author	Title of the poster
Anima Shrestha	Mobile toilets a low-tech solutions in Urban Environment
Obed Kawanga	Ecosystem Based Approach in the Implementation of Dry Sanitation in Madimba
Gerryshom Munala	Last mile connection approach: Connecting informal settlements to water infrastructure
Feyera Kebede Hundesa	Household-Level-Sanitation-Practice- of -Mothers' in Assosa Zone, Benishangul Gumuz Regional State, Western Ethiopia
Shreerendra Prakash Pokharel	Promotion of dry urine diverting (eco-san) toilets in rural Nepal – results, technical development and challenges
Bishow Raj Bhatt	Community Engagement in ODF campaigning / Total Sanitation Promotion in Nepal
Erica Lloyd	EkoLakay in Haiti: Can Container-Based Sanitation be a Key Component of Citywide Inclusive Sanitation for Dense Urban Settings?
Obed C. Kawanga	Dry Toilets Utilization in Addressing Climate Change Vulnerability in Madimba
Eeva-Liisa Viskari	The role of source separation in nutrient recovery – comparative LCA (life cycle assessment) of alternative wastewater treatment systems

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13.15-15.30 Afternoon parallel workshop sessions

SESSION 4 – Marie – Chair Maarit Särkilahti

Time	Speaker	Title
13:15	Linus Dagerskog, Sweden	Developing the Clean and Green Village framework – combining advantages from CLTS and ecological sanitation for rural health and productivity
13:30	Nyambe Sikopo, Japan	The image of peri-urban sanitation and health through the eyes of the young: Understanding community sanitation and health in Lusaka, Zambia
13:45	Min Prasad Basnet, Nepal	Sustaining sanitation movements generating livelihoods for low income households
14:00	K. Ushijima, Japan	Comprehensive approach for improvement of living environment in urban slum of Indonesia –Analysis on urban metabolism and its harmonization with people's value system
14:15	Namaste Lal Bhoomi Shrestha, Nepal	Social and Cultural Aspects of Sustainable Sanitation
14:45- 15:30		Discussion

SESSION 5 – Kuivaamo – Chair Sari Huuhtanen

Time	Speaker	Title
13:15	Joseph Jenkins, USA	Thermophilic Composting as a Sanitation Alternative in Nicaragua
13:30	Edith Godfroy, France	Implemented practices of ecological sanitation - Food security – Social and cultural aspects of sustainable sanitation (Burkina Faso)
13:45	Ole Ersson, USA	Community composting toilet system using IAPMO WEYStand
14:00	Natasha Dokovska, Moldova	Water and Sanitation Safety Planning(WSSP) in Rural Areas of Eastern Europe
14:15	Claudia Wendland, Germany	Community Based Data on Sanitation and MHM at Home, Work and School Worldwide
14:30	Srinivasamurthy C A, India	Impact of Anthropogenic solid wastes application on yield and quality of field bea
14:45- 15:30		Discussion

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SESSION 6 – Wilhelm – Chair Gerryshom Munala

Time	Speaker	Title
13:15	Benjamin C. Wilde, Switzerland	Nitrified Urine Fertilizer Field Trial: An Ecological Assessment of NUF on Maize Growth in South Africa
13:30	S.Vishwanath, India	The reuse of untreated waste-water and faecal sludge in a small town – the nudge approach
13:45	Fedde Jorritsma, Netherlands	Producing heat and compost from humanure with Biomeilers
14:00	Tuula Tuhkanen, Finland	Sustainability aspects of urine diverting dry toilets
14:15	J. M. Raude, Kenya	Faecal Sludge Briquettes: Turning Human Waste Into Energy
14:30	Eeva-Liisa Viskari, Finland	Fertilizer potential of human urine in barley cultivation
14:45- 15:30		Discussion

15.30-16.00 **Coffee** **Kuivaamo**

16.00-17.00 **Wrap up of the day – plenary** **Kuivaamo**
Key findings from workshops
Chair: Karoliina Tuukkanen

19.00-20.30 **City reception at Tampere City Hall**

Address: Keskustori 10, Tampere

Included in the conference registration fee, advance registration required

DRY TOILET 2018 – Programme

FRIDAY 24.8.

8.15-17.00	Registration & Info desk open	Kuivaamo
8.15-8.45	Coffee	Kuivaamo
8.45-10.45	Morning parallel workshop sessions	

SESSION 7 – Kuivaamo – Chair Sari Huuhtanen

Time	Speaker	Title
8:45	Tamene Hailu, Ethiopia	Characterization and Valorization of fecal for Development of Sustainable Urban Sanitation in Ethiopia
9:00	Shyama Khanal, Nepal	Concept of Reuse and Urine Use in Sanskrit Language
9:15	Sanna-Leena Rautanen, Finland	Wicked Open Defecation – Contemplations from Nepal
9:30	Samuel Autran, USA	Container-based Sanitation as a low-cost solution in high-need areas: a case study review of community-based compost sanitation in six countries
9:45	Bimal Tandukar, Cambodia	Aerobic Bio-Composting Toilet – An affordable toilet solution to sustain ODF
10:00	Jan Hennigs, United Kingdom	Field testing a mechanical waterless flush
10:15-10:45		Discussion

SESSION 8 – Marie – Chair Marja Palmroth

Time	Speaker	Title
8:45	M. Ganesapillai, India	Self Sustained Sanitation for Resource Recovery of Plant Essential Nutrients
9:00	Prithvi Simha, Sweden	From liquid waste to dry commercial-grade fertiliser: Alkaline dehydration technology for urine-diverting toilets
9:15	Shervin Hashemi, Republic of Korea	From Ecological Sanitation to Resource-Circulated Sanitation
9:30	Ryusei Ito, Japan	Production of nitrogen and potassium fertilizers from liquid waste of cattle barns
9:45	Takato Matsuda, Japan	Foulant analysis of FO membrane used for urine concentration
10:00	Srinivasamurthy C A, India	Effect of humanure, pit toilet sludge and sewage sludge application on yield of chilli and soil properties
10:15-10:45		Discussion

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SESSION 9 – Wilhelm – Chair Pekka Pietilä

Time	Speaker	Title
8:45	Dexter Lo, Philippines	Floodplain Modeling as Tool for Communicating Urban Sanitation Issues in a Changing Climate: The Case of Bitan-ag Creek
9:00	Verster Bernelle, South Africa	Getting everyone – rich and poor - to use urine diversion dry toilets: moving to resource recovery and equitable sanitation in the South African context
9:15	Haruna Onodera, Japan	Inactivation of SAP in disposable diapers by acid solutions
9:30	Ben Aguilar, Philippines	Winning back the health of Filipino schoolchildren: the relationships between the Department of Education's Wash in Schools Program, School Based Feeding Program, and Philippine Informal Reading Inventory
9:45	Renata Coura, Portugal	Nitrogen recovery from agroindustrial wastewater by struvite precipitation in a strategy to overcome methane production inhibition by ammonium nitrogen
10:00	Pritha Chatterjee, Finland	Pilot demonstration of microalgae cultivation treating source separated human urine from dry toilets in outdoor raceway ponds in Finland
10:15-10:45		Discussion

10.00-14.00 Exhibition

11.00-12.00

Keynote 2

Dr. Miriam Otoo

IWMI on Sustainable Sanitation Business

Presentation about models for sustainable fecal sludge management developing countries

Kuivaamo

12.00-

Dry Toilet Visit

Kuivaamo

12:00-13.00

Lunch

Kuivaamo

12.30-13.00

Poster session 2

Chair: Elijah Ngumba

Kuivaamo

Author	Title of the poster
Gertrude Garcia	Deep Well Water in a Human Resettlement in Cagayan de Oro City, Philippines: A Microbiological Water Quality Safety Evaluation
Anara Choitonbaeva	Rural Women as Drivers of Change towards Improved Water and Sanitation Example village An-Oston, Issyk Kul oblast
Meiyoshi Masgon	Human Urine as Soil Enhancer to Sustainable Vegetable Gardens of an IDP Community in Marawi City
Sabir Farhat	An initiative to introduce Water, Sanitation and Hygiene Education in Schools through WASH Clubs in rural areas of Bahawalpur District, Pakistan
Natasha Dokovska	Menstrual Health and gender equality

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13.00-14.00	Keynote 3	Kuivaamo
	Dr. Kirsi-Maarit Lehto Role of the Environment on Global Health	
14.00-14.30	Coffee	Kuivaamo
14.30-16.00	Afternoon parallel workshop sessions	

SESSION 10 – Kuivaamo – Chair Taro Yamauchi

Time	Speaker	Title
14:30	Itchon Gina S, Philippines	Improving the Nutritional Outcomes of School-based Feeding for Filipino Children: Integrating Nutrition, Water, Sanitation and Hygiene (WaSH)
14:45	Bipin Poudel, Nepal	Revamping the Sanitation Ladder: Need of a separate EcoSan ladder
15:00	Hasti Rezaei, Iran	Promotion and implementation of ECOSAN with corporation and creativity of stakeholders in University of Tehran, College of Agriculture and Natural Resources (UTCAN)
15:15	Claudia Wendland, Germany	National Technical Standard for Construction and Operation of UDDT in Moldova - 10 years ecosan success story from grassroot to national level
15:30-16:00		Discussion

SESSION 11 – Wilhelm – Chair Miriam Otoo

Time	Speaker	Title
14:30	Ayumi Matsuzaka, Germany	Implementing a nutrient recycling with biodegradable baby diapers in a city neighborhood
14:45	Erica Lloyd, Haiti	A Blended-Revenue Financial Model for Sustainably Providing Urban Household Sanitation Services
15:00	Raini Kiukas, Finland	From organic waste to valuable nutrient
15:15	David Kodarin, Slovenia	A business case of dry toilets for parks and natural places in Slovenia
15:30-16:00		Discussion

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SESSION 12 – Marie – Chair Johanna Kallio

Time	Speaker	Title
14:30	Rikka Allolea Casiño Laplap-Macariola, Philippines	Water, Sanitation and Hygiene (WaSH) Conditions and its Links to Intestinal Parasitism and Anemia Among Pregnant Women in the Philippines
14:45	Stella Neema, Uganda	Children's participation in inclusive innovation process using human rights based approach and design thinking
15:00	Shikun Cheng, China	Promoting sustainable sanitation in China: action, concept transformation and lessons-learned
15:15	Elijah Ngumba, Finland	Economic and environmental potential of ecological sanitation with urine source separation: The case of peri-urban area of Chunga in Lusaka, Zambia
15:30- 16:00		Discussion

16.15-17.00

Wrap up of the day
Key findings from workshops
Chair: Karoliina Tuukkanen

Kuivaamo

19.00-23.00

Conference dinner at Hatanpää Manor

*Included in the full delegate conference registration fee.
The cost for the conference dinner is EUR 65 for students, exhibitors,
and accompanying persons. Advance registration required.*