

Water & Sanitation in International Development and Disaster Relief Programme

Day 1 Wednesday 28 May 2008

Part I Water and Sanitation Needs in International Development and Disaster Relief (9.00-12.30)

Session I Chairs: Joanne Orr & Andrea Schäfer

8.30-9.00	Registration & Coffee	Speaker	Organisation	Status	Ref
9.00-9.15	Welcome	Andrea Schäfer Conference Chair	Uni Edinburgh	confirmed	-
9.15-9.30	Opening Address	Tim O'Shea, Principal UoE	Uni Edinburgh	confirmed	-
9.30-9.50	Water and Sanitation Needs from a World Health Perspective	Roger Aertgeerts	WHO (Italy)	confirmed	128
9.50-10.10	Transnational Boundaries, Water Law and Policy- where do we stand?	Pat Wouters	UNESCO Centre for Water Law & Policy, Uni Dundee (UK)	confirmed	129
10.10-10.30	Solving the Sanitation Contradiction	Oliver Cumming	WaterAid (UK)	confirmed	070
10.30-11.00	Morning Tea & Poster Session I				
11.00-11.20	Water & Sanitation in Disaster Relief	Jonathan Appleby	Tearfund & Scottish Water Solutions (UK)	confirmed	
11.20-11.40	Global Promotion of solar water disinfection	Regula Meierhofer	SANDEC, EAWAG (Switzerland)	confirmed	076
11.40-12.00	Opportunities of Rainwater Harvesting	Brigitte Helmreich	TU Munich (Germany)	confirmed	
12.00-12.30	Discussion				

Sandwich Lunch 12.30-13.30

Part II Appropriate Water Supply Technologies: Performance, Maintenance Strategies and Costs (13.30-18.00)

Session II Chairs: Pat Wouters & Victor Chipofya

13.30-14.00	Keynote: Technologies for International Development and Disaster Relief: Challenges and Costs	Brian Clarke	Surrey (UK)	confirmed	131
14.00-14.20	Evaluation of a Bicycle-Powered Filtration System for Removing 'Clumped' Coliform Bacteria as a Low	Edward McBean	University of Guelph (Canada)	confirmed	120

	Tech Option for Water Treatment				
14.20-14.40	Sustainable seawater desalination: small scale windmill and RO-system	Bas Heijman	TU Delft (Netherlands)	confirmed	078
14.40-15.00	A new solar desalination system with heat recovery for decentralised drinking water production	Klemens Schwarzer	Solar Institut Jülich (Germany)		051
15.00-15.20	Experimental investigations on solar driven stand-alone membrane distillation system for remote areas	Joachim Koschikowski	Fraunhofer ISE (Germany)	confirmed	140
15.20-16.00	Afternoon Tea & Poster Session II				
16.00-17.00	Opening Keynote: Enterprise Facilitation in the Context of International Development	Ernesto Sirolli, author of <i>'Ripples from the Zambesi: Passion, entrepreneurship and the rebirth of local economies'</i>	Sirolli Institute (US)	confirmed via video link	-
17.00-18.00	Discussion				

Africa Dinner 19.30 Playfair Library Old College (with Gaelic Songs & Music)

Day 2: Thursday 29 May 2008

Part III Why is Sanitation failing? Sustainable Sanitation Approaches (8.30-12.00)

Session III Chairs: Isabel Escobar & Bart Van der Bruggen

8.30-8.50	A system perspective in sanitation – human waste from cradle to crave and reincarnation	Christian Zurbrügg	SANDEC (Switzerland)	confirmed	215
8.50-9.10	Integration water, energy, and sanitation solution for stand alone settlements	Orodi Odhiambo	University of Nairobi (Kenya)	confirmed	201
9.10-9.30	No waste, but a resource: Alternative approaches to urban sanitation in Ethiopia	Franziska Meinzinger & Ralf Otterpohl	TUHH (Germany)	confirmed	026
9.30-9.50	Integration of sanitation & water in urban situations	Kala Vairavamoorthy	Uni Birmingham (UK) and UNESCO-IHE (NL)	confirmed	137
9.50-10.20	Morning Tea & Poster Session III				
10.20- 10.40	Urine separation - opportunities for international development.	Wouter Pronk	EAWAG (Switzerland)	confirmed	135
10.40-11.00	Mobile sanitation for slum	David Castellano &	Wageningen	confirmed	138

	areas in Cape Town South Africa for emergency sanitation	Adriaan Mels	Uni (NL)		
11.00-11.20	Water and Sanitation in Ghana	Esi Awuah	KNUST (Ghana)	confirmed	089
11.20-11.40	Integrated Sanitation Approaches	Arne Parnesar	GTZ (Germany)	confirmed	160
11.40-12.00	Discussion				

BBQ Lunch 12.00-13.00

Part IV Integrating Water & Sanitation: Infrastructure, Energy, Monitoring & Maintenance Issues (13.00-16.30)

Session IV Chairs: Bryce Richards & Osmund Ansa-Ansare

13.00-13.30	Keynote: Technology Transfer in Africa	Peggy Oti-Boateng	KNUST (Ghana)	invited	-
13.30-13.50	Energy Needs in Developing Country Water Supplies	David Infield	Strathclyde (UK)	confirmed	100
13.50-14.10	Successful Implementation of Renewable Energy Technologies in Developing Countries	Geoff Stapleton	Global Sustainable Energy Solutions (Australia)	confirmed	101
14.10-14.30	Waterborne Diseases- What are the primary killers?	Chris Woodall	Glasgow Caledonian (UK)	confirmed	122
14.15-14.45	Afternoon Tea & Poster Session IV				
14.45-15.05	Managing groundwater supplies in developing countries	Alan MacDonald	British Geological Survey (UK)	confirmed	007
15.05-15.25	Dental Fluorosis in Tanzania Great Rift Valley to Fluoride Levels in Water and in 'Magadi'	Edda Vahahula	(Tanzania)	confirmed	
15.25-15.45	Groundwater Quality in Ghana: Influence of Mining activities	Osmund Ansa-Ansare	CSIR-Water Research Institute (Ghana)	confirmed	071
15.45-16.05	Novel Arsenic sensing technologies	Chris French	Uni Edinburgh (UK)	confirmed	136
16.05-16.45	Discussion				

16.45 Taxi transfer for delegates from South Hall to Swann Lecture Theatre

17.15 Inaugural Lecture: 'I Have a Dream – Safe Drinking Water for All Children' Swann Lecture Theatre, Michael Swann Building, The King's Buildings & Reception

Day 3: Friday 30 May 2008

Part V Industry Forum & Case Studies (8.30-12.30)

Session V Chairs: Ernest Yanful & Blanca Antizar-Ladislao

8.30-9.00	Keynote: Infrastructure needs in developing country water supplies	Paul Jowitt	Heriot-Watt University Edinburgh (UK)	confirmed	Ref 141
9.00-9.20	Energy consumption of small water makers	Anders Valbjorn	Danfoss (Denmark)	confirmed	008
9.20-9.40	Skyjuice Technology impact on MDG's outcomes for safe affordable potable water	Rhett Butler	Skyjuice Foundation (Australia)	confirmed	146
9.40-10.00	Mobile Water Maker – a sustainable solution for safe drinking water in developing countries	Leo Groendijk Arie Zwijnenburg	WUR/WETSUS (NL)	confirmed	147
10.00-10.30	Morning Tea & Poster Session V				
10.30-11.00	Water Supply and Sanitation Needs in a Disaster - Lessons learned through the Tsunami disaster in Sri Lanka	Gerad Fernando	National Water Supply and Drainage Board (Sri Lanka)	confirmed	004
11.30-11.50	Case Studies: Working with Care International	Kevin Hall	Queens University (Canada)	confirmed	-
11.50-12.10	The Role of Water Reuse in International Development	Mohammad Almasri	An-Najah University (Palestine)	confirmed	-
12.10-12.30	Discussion				

Part VI Capacity Building, Financing Mechanisms & Workshop Summary: Research Needs to meet Water & Sanitation Millennium Goals (13.30-17.00)

Session VI Chairs: Esi Awuah & John Francis

13.30-13.50	Community Education as A Vehicle for UN Convention Implementation	Bruce Wilkinson	UNICEF	confirmed	-
13.50-14.10	Capacity Building	Cecilia Oman	International Foundation of Science (Sweden)	confirmed	152
14.10-14.30	Water quality issues in Malawi, impacts on health and intervention strategies	Tony Grimason	Strathclyde University	Invited	-
14.30-15.00	Afternoon Tea & Poster Session VI				
15.00-15.20	Issues and challenges of providing adequate sanitation to people living on the shore of Lake Malawi; Case of Monkey Bay	Victor Chipofya	University of Malawi (Malawi)	invited	084

15.20-15.40	Resource recovery from urban waste; options and challenges for community based composting in sub-Saharan Africa	Ernest Abraham	International Water Management Institute (Ghana)	confirmed	183
15.40-16.00	Vertical flow constructed wetlands as sustainable sanitation approach for faecal sludge dewatering in developing countries	Pierre-Henri Dodane	SANDEC (Switzerland)	confirmed	021
16.00-17.00	Discussion				
17.00	Closing Remarks and Summary of Research Agenda as outcome of Discussions	John Francis & Andrea Schäfer	UNESCO Scotland		

19.30 Afro - Ceilidh (Location South Hall, Pollock Halls)

Speaker Reserve List

Jacks (industry)

Sabatini (WT)

Kilham (WT)

Dorea (WT)

Eriksson (greywater)

Sambwa (DC Motor recycling)