

## ECOLOGICAL SANITATION

**Ecosan Sessions in Kyoto on 17, 20 and 21 March 2003**

**The 3rd World Water Forum [www.worldwaterforum.org](http://www.worldwaterforum.org)**

**17 March at 08:45 – 11:30 Venue: Suehiro Room, Kyoto Takaragaike Prince Hotel**

### ***Ecological Sanitation – Progress Being Made Around the World: What is Ecosan and What is Being Done Generally?***

**Organised by** Stockholm Environment Institute (SEI), Japan Toilet Association (JTA) and the City of Kyoto

**Welcome Speech** Yorikane Masumoto, Mayor of Kyoto

**Chair** *The Sida Global Ecosan Programme, Bengt Johansson*, Head, Water Division, Department for Natural Resources and the Environment Swedish International Development Cooperation Agency, (Sida), Sweden

**Keynotes** *Ecosan: What Kind of Advocacy is Needed? Honourable Maria Mutagamba*, Uganda Minister of Water, Land and Environment

*The Science and Technology Behind Ecosan, Saburo Matsui*, Professor, Graduate School of Global Environmental Studies, Kyoto University, Kyoto, Japan

**Panel** *What is Ecosan in Practice and What Role Can it Play in Meeting the Millennium Development Goals and the Johannesburg Commitments? Arno Rosemarin*, Communications Director, SEI, and Manager, EcoSanRes Programme, Sweden

*The GTZ Global Ecosan Programme, Christine Werner*, Team Leader, Ecosan-project, German Technical Cooperation (GTZ), Germany

*UNICEF Presentation, Vanessa Tobin*, Chief, Water, Environment and Sanitation Section, UNICEF HQ, USA

*Ecological Sanitation for Sustainable Development and Poverty Eradication – UNDP's Approach, Ingvar Andersson*, Senior Water Policy Advisor, Bureau for Development Policy, UNDP HQ, USA

*WSP's Contribution to the Sanitation Challenge, Walter Stottmann*, Manager, Water and Sanitation Programme, Washington, D.C., US

**Panel Discussion** *What Can Ecosan Do to Help Reach the Millennium Development Goal and the Johannesburg Commitment on Sanitation?*

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**21 March at 12:30 – 15:15 Venue: Room J, International Conference Hall, 2<sup>nd</sup> floor**

### ***Ecological Sanitation – Closing the Nutrient Loop Through Ecosan in Rural and Urban Areas***

**Organised by** Stockholm Environment Institute (SEI), Japan Toilet Association (JTA) and the City of Kyoto

**Chair** *Saburo Matsui*, Professor, Graduate School of Global Environmental Studies, Kyoto University, Kyoto, Japan

**Keynote** *Sanitation: Challenges and Opportunities, Prof. Lena Sommestad*, Swedish Minister of the Environment

**Panel** *Experiments Using Urine and Humus Derived from Ecological Toilets as a Source of Nutrients in Growing Crops, Peter Morgan*, Director, Aquamor PVT. Ltd., Harare, Zimbabwe

*EcoSan-related Norms in Capacity Building, Jan-Olof Drangert*, Ass. Prof. Linköping University, Sweden

*Projects on Ecological Sanitation in Middle Europe, Ralf Otterpohl*, Director, Institute of Municipal and Industrial Wastewater Management, Technical University Hamburg (TUHH), Germany

*Bringing Ecosan to South Asia, Paul Calvert*, Director, EcoSolutions, Whitby, UK

*Eco-stations and Eco-towns: New Policies in the Making, Mayling Simpson-Hebert*, Medical/Environmental Anthropologist, The Steamboat Springs Institute, Steamboat Springs, Colorado, USA

*Setting up Ecosan in Peri-urban Kampala, Maimuna Nalubega* (In-charge, Sanitary and Environmental Engineering Section, Civil Engineering Department, Makerere University, Kampala, Uganda)

**Panel Discussion** *The Positive Implications of Closing the Loop on Nutrients for Communities, Regions and Countries*

## Science, Technology and Management Panel

20 March at 08:45 – 11:30

Venue: Room E, International Conference Hall

### *Affordable & Ecologically Sound Community Sanitation – New Solutions to Old Problems*

Convener and Co-convenor:

Ralf Otterpohl (Chair of IWA specialist group 'Sustainable Sanitation') and Arno Rosemarin (Manager, EcoSanRes Programme, SEI)

#### Content/Format

- ***Problems in Sanitation Around the World***  
**Ralf Otterpohl**, Director, Institute of Wastewater Management, TUHH Technical University Hamburg  
Problems with sanitation in areas with limited resources and/or difficult circumstances; health, engineering and ecology aspects
- ***New Solutions 1***  
**Ron Sawyer**, Director, Sarar Transformacion SC, Mexico  
Initiating a small town urban ecological sanitation program in Mexico
- ***New Solutions 2***  
**Lin Jiang**, Director, Science and Education Dept, Jiu San Society, Guangxi, China  
Development of large-scale ecosan projects in Chinese villages
- ***New Solutions 3***  
**Ned Breslin**, Country Representative, WaterAid, Mozambique  
WaterAid's growing experience with ecosan in Southern Africa

#### coffee break 15 min

- ***Cases Around the World in Brief***  
**Christine Werner**, Project Team Leader, EcoSan, GTZ German Technology Co-Operation, Germany  
The amazing number and variety of successful and unsuccessful applications of ecological sanitation around the world
- ***Systematic Representation of the Ecological Sanitation Toolbox***  
**Ralf Otterpohl**, Director, Institute of Wastewater Management, TUHH Technical University Hamburg
- **Panel Discussion:**  
***Un- and underserved people: Where Can Ecological Sanitation Help Solve Severe Problems Around the World?***

**Steve Halls**, Director, UNEP IETC

**Maimuna Nalubega**, In-charge, Sanitary and Environmental Engineering Section, Makerere University, Kampala, Uganda

**Arno Rosemarin**, Communications Director, SEI, and Manager, EcoSanRes Programme

**Uno Winblad**, Visiting Professor, Kyoto University, Japan

Facilitator: **Ralf Otterpohl**