

Kaarin Taipale, Finland: “ What is the colour of sustainable development”

Kaarin Taipale from Helsinki, Finland, is an architect educated in the Swiss Institute of Technology in Zurich (ETH-Z). She also holds a Master's degree in Historic Preservation from Columbia University, New York. Taipale has worked as a practicing architect, as Editor-in-Chief of the Finnish Architectural Review, and as Head of the Building Department of the City of Helsinki. At present she is on leave of absence, researching the role of local government in a globalizing world. She was elected Chairperson of The International Council for Local Environmental Initiatives (ICLEI) in 2000. ICLEI is a world organisation of local governments implementing sustainable development.

Jan-Olof Drangert, Sweden: “ A history of mental views on the re-use of human-derived nutrients”

Jan-Olof Drangert is a senior researcher, Dept of Water and Environmental Studies at Linköping University, Sweden. He has been the team leader for large research projects in Sweden and Kenya. After a period of research work on rural water and sanitation, the last ten years has provided experience of interdisciplinary research and consultancy work with urban water and sanitation issues in developing and developed countries. He has a special interest in the historical evolution of sanitation in urban areas. He is the team leader for international training activities in ecological sanitation.

Abstract

New national and international requirements are in force to make sanitation systems more environmentally sustainable. Modern dry toilets can play a role in this development, and since they build on an old concept of recirculation, we can benefit from knowing more of earlier dry sanitation systems. What discussions were carried out during various periods of toilet technology and societal conditions? What role did reuse of nutrients play? How did authorities and residents react to technical solutions? These are some of the questions that will be addressed under the heading ‘A History of Mental Views on the Reuse of Human-Derived Nutrients’.

The evolution of mental views is discussed against the background of factual infrastructure in place during different periods. The technology and management of sanitation systems allow and facilitate to varying degree reuse of nutrients from disposed excreta. Mental views are not only reflections of the physical environment, however, but norms and opinions also impact on how a better system should be organised. The last part of the paper will focus on views among residents to eating food produced with the help of human-derived fertilisers.

Ron Sawyer, Mexico: “ Sanitation as if it really mattered: Getting toilets out of the (water) closet and into the loop”

Ron Sawyer has more than twenty years experience providing participatory training and technical support to development programs in Latin America, Africa and Asia. During the 1980s he was the senior training consultant to the UNDP/PROWESS project for promoting the role of women in water and environmental sanitation services. From 1990 to 1994, as Regional Participatory Development & Training Specialist for the World Bank Water and Sanitation Program in Nairobi, he helped to integrate participatory methods into sector programs in eastern and western Africa. In collaboration with WHO, UNICEF and the International Training Network, he spearheaded the Participatory Hygiene and Sanitation Transformation initiative -- PHAST. Since the mid-1990's he

has been a key collaborator in the Swedish Sida supported **EcoSanRes** program, concerned with investigating and promoting alternative ecological dry sanitation systems. Ron is presently:

- Director of the international consulting group **SARAR Transformación SC**, based in Tepoztlán, Mexico –which is implementing the *TepozEco* urban ecosan pilot program with support from EcoSanRes/Sida;
- Managing a Regional Ecological Sanitation Promotion Project, in collaboration with the Senior Water Policy Adviser of **UNDP/BDP/ESDG** (Bureau of Development Policy / Sustainable Environment and Energy Program- New York); and
- Founding member of the Ecological Sanitation Network – **RedSeco** (*Red de Saneamiento Ecológico* – Mexico).