

# Safe reuse of wastewater and treated excreta in agriculture: Options, assessments and potential barriers for fulfilment

Mahaweli Reach, Kandy, 25<sup>th</sup> and 26<sup>th</sup> February 2008

## Objectives:

The objective of the workshop is to present and discuss wastewater, greywater and excreta management and agricultural use. The perspectives of the technical and non-technical options for risk reduction will be presented and discussed, as well as the nutritional benefits with the re-use. This will compare with the "WHO Guidelines for the Safe Use of Excreta, Greywater and Wastewater in Agriculture" and with the current management options as related to barriers to disease transmission as well as with different sanitation system solutions, including dry toilets.

Questionnaires for system data collection and exposure assessment will be presented and compared with the current assessments and participatory action plans done.

A participatory forward-aiming discussion will be included and related to different stakeholders, including local government, to assess options for the future and what further knowledge gaps that can be covered during the remaining year of the WASPA project.

## Facilitators:

- Prof Thor Axel Stenström, Stockholm Environment Institute, Sweden. WHO Advisor;
- Alexandra Clemett, WASPA Programme Officer, IWMI.
- Keerthi Wijesinghe, WASPA Programme Officer, COSI, Sri Lanka.

## Programme:

Revised Times	Presentation/Discussion	Person
	<b>DAY 1 – 25<sup>th</sup> February</b>	
20 min (10.00 – 10.20)	Opening. Introduction. Aim of the Workshop. Presentation of participants and facilitators	KW
30 min (10.20 – 10.50)	Summary of the outcomes and obstacles of the WASPA project in Sri Lanka	KW with input from AC
10 min (10.50 – 11.00)	Short views and comments from participants	KW facilitate
11.00 – 11.30	<b>BREAK</b>	
60 min (11.30 – 12.30)	WHO Guidelines for the Safe Use of Excreta, Greywater and Wastewater in Agriculture. How does it apply in the local perspective?	TAS
30 min (12.30 – 13.00)	Questions and views from participants. Local applicability and constraints	KW facilitate with TAS responding
13.00 – 14.00	<b>BREAK</b>	
60-90 min	Technical and non-technical aspects of treatment and reuse.	TAS

(14.00 – 15.30)	Barriers against disease transmission and management options for risk reduction.	
15.30 – 15.50	<b>BREAK</b>	
30 min (15.50 – 16.20)	Group discussion on its applicability in the local context. Possibilities and constraints!	KW facilitate
40 min (16.20 – 17.00)	Group presentations on solutions and outcomes, with comments from facilitators	TAS, AC, KW
	<b>DAY 2 – 26<sup>th</sup> February</b>	
40 min 9.00 – 09.40	Nutrient value of excreta recirculation. Experiences from other areas and crop handling options.	TAS
20 min 09.40 – 10.00	Discussion and comments from participants on the applicability within the local context	
10.00 – 10.30	<b>BREAK</b>	
90 min 10.30 – 12.00	Questionnaire based information gathering on system and based on exposure of different groups of humans as well as crops. Experiences from other assessment sites in Africa and the Middle East	TAS
30 min 12.00 – 12.30	Comments on how this relates to the participatory action plans and assessments done	AC
12.30 – 13.30	<b>BREAK</b>	
60 min 13.30 – 14.30	Group work on the validity of these approaches within the local context. Suggestions of modifications or adoptions. How could the options discussed in the workshop so far fit into the action plans already developed	KW with support from AC
30 min 14.30 – 15.00	Presentation of group work	
30 min 15.00 – 15.30	Discussion on stakeholder opinions and institutional arrangements. Legal options within the local context. Monitoring and the potential role of stakeholders/alliances in this respect.	PJ
15.30 – 15.50	<b>BREAK</b>	
40 min 15.50 – 16.30	The Way Forward. What have we learnt and where is the knowledge and management gaps	TAS, AC, Participants
16.30	<b>Closing</b>	