

Report on Study Tour, Ecosan Capacity Development and Vision Workshop Kenya, September 2010



By

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Disclaimer

Content of this report is the sole responsibility of the authors Ms. Pradnya Thakur (Ecosan Services Foundation, India) and Mr. Martin Wafler and Mr. Johannes Heeb (both seecon international gmbh, Switzerland).

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Background

Drawing from the successful establishment of the Indian NGO *Ecosan Services Foundation (ESF-India)* as one-stop-shop for training services, promotional activities, project implementation, and consultancy services in ecological sanitation in South Asia, GTZ-ecosan intends to initiate a south-south knowledge transfer to support the young African ecosan market, fill the demand for consultancy, training and other capacity building services not only in Kenya, but all over Africa, and to establish a Kenyan organisation “ESF-Kenya” as local service provider.

In order to perform the activities, consultants were appointed. Ecosan services foundation, India and Seecon International were appointed as consultants for the Study Tour, Ecosan Capacity Development and Vision Workshop.

Study Tour to existing projects in Kenya

Objective:

To familiarise the Kenyan Stakeholders with the local conditions in order to provide the proper context for the organisational development of “ESF Kenya”.

Sites Visited:

- Urine-Diverting Dehydrating Toilets (UDDTs) at the household and school levels,
- Decentralized wastewater management plants comprising of biogas digesters
- Bio-Latrines installed for public places such as markets, bus parks, and boat landings and informal settlements

Site I: Bio latrine Centres at Market Place

Project is operated and maintained by Ugunja municipal body on trial run to see the cost effectiveness of the project with reference to O and M of the project.



On Tuesdays weekly market takes place in Ugunja



Public toilet linked to DEWATS at Ugunja market



Washbasin with broken/missing lever (Ugunja market)



Collection counter at toilet block

Photos (source: P.Thakur, 2010)

Site I: Bio latrine Centres at Market Place

Observations / comments made:

- Toilet block is well maintained
- Lids of biogas settler and baffle reactor are in broken condition.
- The O and M agency is selling water to shopkeepers in the market at the rate of 10 Kenyan shillings for 20 lit which is an additional incentive to O and M agency of the toilet block.
- Charges for users:
 - Toilet: 5.0 Kenyan shillings
 - Bathroom: 10.0 Kenyan shillings
- Amount collected by O and M agency is 1000 shillings/day
- Community consultation and handover to CBO is pending task for that further support is needed.

Site II: Low flush toilet systems connected with decentralized treatment systems In St. Patrick Rambula Secondary School



Low flush Toilet pans



Decentralised Treatment systems



Reuse Gardens at School Premises



Site II: Low flush toilet systems connected with decentralized treatment systems In St. Patrick Rambula Secondary School

Observations / comments made:

- Well maintained toilet blocks
- Reuse of treated waste water and urine for the garden and farms in school premises
- Urine storage in underground storage tank.
- Need of separate urine storage tank
- Post implementation support is needed for O and M and reuse of nutrient.

Site III: Urine Diversion Dehydration Toilets at Household levels



Houses of Beneficiaries



Double door UDDT at Mumias



Faecal compost



UDDT with Roof top rainwater harvesting



Crops with urine application



Crops without urine application

Site III: Urine Diversion Dehydration Toilets at Household levels

Observations / comments made:

- Well maintained toilet block
- Toilet block with rainwater harvesting system is really a sustainable solution
- Reuse of ecosan product and comparative study with-urine and without urine is good example.
- Need of documentation of reuse aspect and case study

Site IV: Rosa project of Urine Diversion Dehydration Toilets at School level at Nakuru



Small-scale constructed wetland planted for treatment of greywater



Girls' and boys' UDDTs at Crater View Secondary School, Nakuru



Stagnant urine in urine-diversion squatting pan due to blockage of urine pipe



Drying shed for processing faecal matter from UDDTs



Wetland for Grey water treatment



Urinal for boys



Urinal for girls

Site IV: Urine Diversion Dehydration Toilets

Observations / comments made:

- Grey water management system was ok.
- Toilet block was not well maintained
- No internal lock for door at girls toilet block
- Urine collection tank which was underground was full and no further storage system
- Majority of the holes in urine pan was blocked
- Project is over so lack of resources for post implementation support.
- The nice part is further scale up of this project in this area so Need of further capacity building at the project to make it sustainable.

Ecosan capacity development train the trainers workshop

Objective:

To teach sanitation experts, community officers who are from Ecosan projects, water institutions and NGO's on training concepts and good practises of Ecosan.

Participants attended: 17

Participants of the workshops were from water companies, water board, beneficiaries of some existing ecosan projects, NGOs working in grass root level.

Ecosan capacity development train the trainers workshop

Agenda of Workshop:

Session	Facilitated by
Wrap-up Field Trip	Mr. Wafler (seecon gmbh) Ms. Thakur (ESF-India)
National Sanitation Policies/Strategies (Input Presentation & Discussion)	Mr. Onyango (GTZ)
Community Participation (Group Work & Consolidation)	Mr. Wafler (seecon gmbh) Mr. Osumba (GTZ-ecosan)
Community Led Total Sanitation (CLTS) Campaign in Africa & Asia (Input Presentations & Discussion)	Mr. Otieno (Plan International) & Ms. Thakur (ESF India)
Social Marketing for Behaviour Change	Ms. Thakur (ESF-India)
Monitoring & Evaluation (Groupwork & Consolidation)	Mr. Wakala (GTZ-ecosan) & Mr. Wafler (seecon gmbh)
Initiation of Capacity Building Initiatives (Input Presentation)	Ms. Thakur (ESF-India)
Financing of ecosan Activities in Kenya (Facilitated Group Discussion)	Mr. Wafler (seecon gmbh) & facilitation of group discussion by Ms Thakur (ESF-India)

Ecosan capacity development train the trainers workshop



Participants and resource persons



Participants interacting in a group work



Participants performing a role play on promotion of ecosan



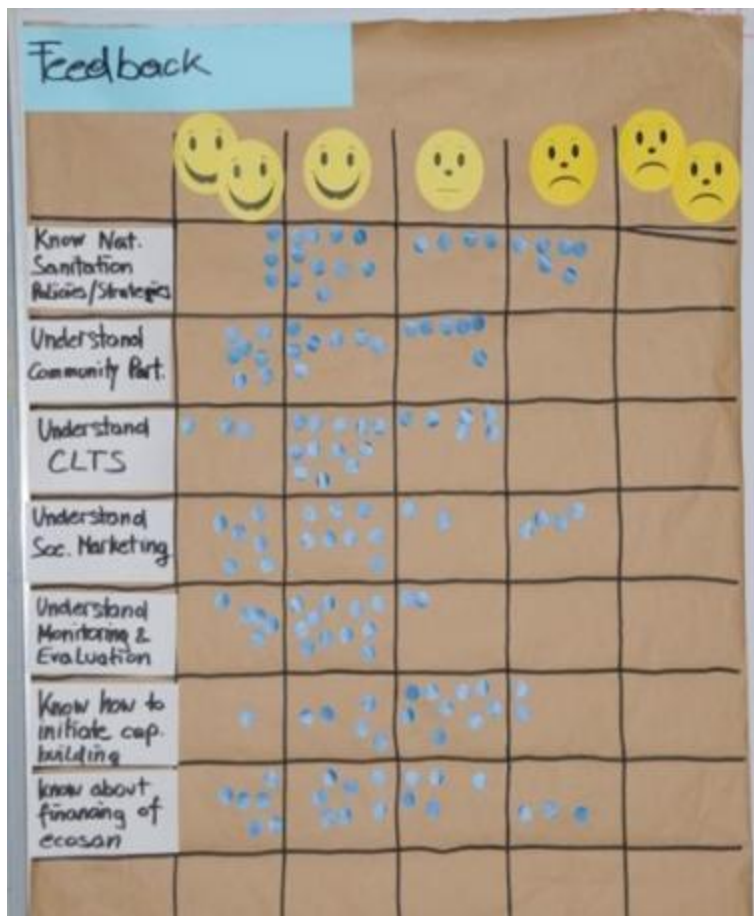
Group photo



Felicitation of Participants

Ecosan capacity development train the trainers workshop

Feedback



Observations:

- A diversified group of participants was present for the workshop.
- Very active participation from all the participants.
- Major emphasis was on financing from government.
- Some subjects like social marketing and initiation of capacity building approach was new to them.
- Participants expressed need of such program in future.

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