

# PROMOTING ECOLOGICAL SANITATION: SHARING NKKD WATSAN EXPERIENCES

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# PROMOTING ECOLOGICAL SANITATION: SHARING NKKD WATSAN EXPERIENCES

## Uganda showing Rukungiri & Kanungu Districts

- Project benefits population of 520,000 people
- Rural setting, area 2500sq.kms (1000sq. miles), similar to Oxfordshire, UK.



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## Development & Poverty focus

This presentation addresses:

- Development of Ecological Sanitation in Rukungiri & Kanungu Districts.
  - Achievements so far, problems, & potential for the development of Ecosan technology.
  - Contribution of Ecosan Technology to poverty eradication/alleviation.
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## Initial development issues

Awareness creation of:

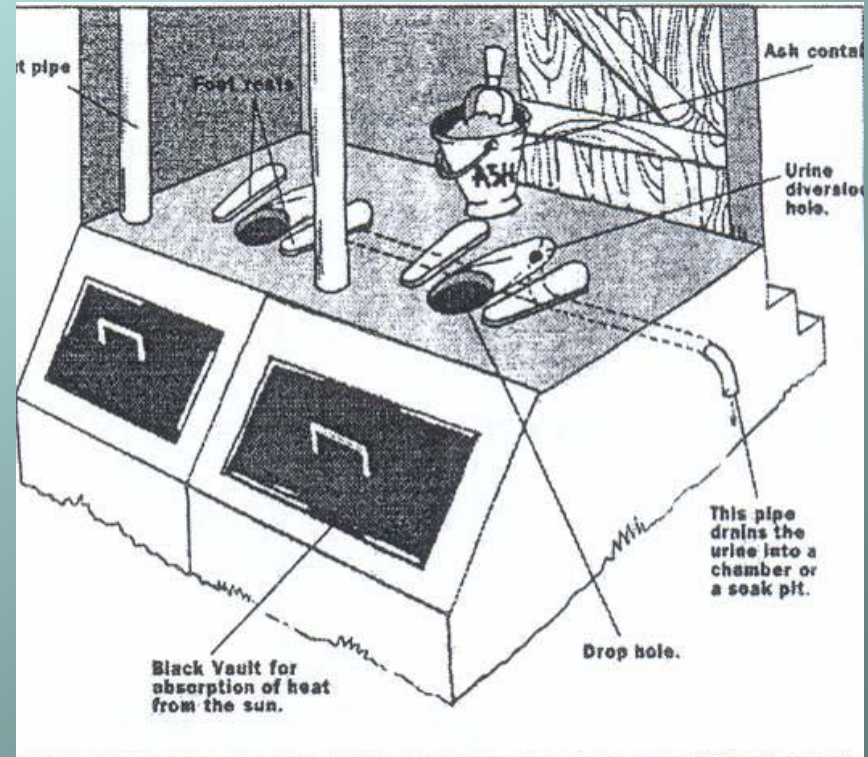
- Ecosan as a new technology in Uganda.
  - Principles of dry/dehydration toilets.
  - Safe/better hygiene behaviour (hand washing with soap) & water/ sanitation related diseases.
  - Concept of recycling and re-use of human excreta as fertiliser and manure.
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## Dry toilets and how to achieve them

To promote pathogen destruction & to render faeces unattractive to flies:

- Divert urine
- Install vent pipes
- Add dry materials
- Provide black access covers



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## Problems and successes

### Problems

- Acceptability of emptying, & re-use of soil and urine
- Construction costs high

### Successes

- Pilot/Demonstration toilet
  - Institutional Ecosan latrines
  - Replication
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## Potential

- In difficult conditions (rocky or loose soil, high water table).
  - Where there is a shortage of land
  - At institutions, good capacity building, influential places for learning new ideas.
  - For flexible householders
  - To improve crops by recycling human waste for horticulture.
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## Hand washing facility

A free - hand tippy-tap with soap suspended on a string near a latrine.

This is a simple hand washing facility affordable by rural people.





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## Horticultural Benefit



Untreated maize



Urine treated maize

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## Poverty eradication/alleviation (Vision for the future)

- Improvement of agricultural productivity.
  - Sale of surplus horticultural production.
  - Social marketing strategy – applying business approach to promotion
  - Reduction of sanitation related diseases
  - Cost efficiency, affordability and replicability
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