Drivers and challenges;
Experiences of Dry toilet projects from rural and urban settings in Zambia

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Dry Toilet 2012 Conference, Tampere, Finland
Dry Sanitation Improvement Programme for Zambia (ZASP)

- Project duration: 2006-2013
- Financing: Ministry for Foreign Affairs of Finland (85%) and Global Dry Toilet Association of Finland (15%); Total budget 530 000 €, ~ 66 000€/ year
- Project area: Kaloko, Masaiti District, Zambia (260 km²)
- App. 12 000 inhabitants (12 communities)
- Building of toilets, water points, hygiene education, promote nutrient cycling, improve community participation etc.
- Local partner: Kaloko Trust Zambia
Dry Sanitation Improvement Programme for Zambia (ZASP)
Sustainable Sanitation Improvement Project for Madimba, Lusaka Zambia

- Project duration: 2008-2013
- Total budget 441 000 € ~ 73 600€/ year
- Madimba Peri-Urban Community Lusaka–Zambia, App. 6000 inhabitants, 1.2km²
- Building of toilets, water points, hygiene education, waste management, governmental level and educational sector involvement etc.
- Local partner NECOS
Sustainable Sanitation Improvement Project for Madimba, Lusaka Zambia
Toilet types

UDD- toilets
(double vault, squatting toilet)

Big model for public places (Kaloko)
Low cost model for families (Kaloko)
Raised UDDT- toilet (different sizes) Lusaka
Toilet with bathroom (Lusaka)

- 57 toilets + 10 boreholes in Kaloko
- 100 toilets + 1 water kiosk in Lusaka

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The drivers

• Free fertilizer (Kaloko)
• Permanent structure
• Health impacts (Lusaka)
• Income generation through clubs (Kaloko) and CBE’s (Lusaka)
• Dignity and pride; ”Nice toilet” (Lusaka & Kaloko)

Success stories 😊
Sanitation clubs (14 clubs, ~ 200 members) and committees
Community based enterprises (CBE’s)
Cost sharing strategy
Hygiene promotion (e.g. PHAST, Drama)
Information dissemination in district and governmental level, DT-knowledge and acceptance
Main challenges

• New concept/Lack of knowledge/Stigma
• Community participation; lack of capacity
• Transport/poor roads
• High number of tenants and people movement in city
• Technological challenges; durability versus cost
• Operation and maintainence, especially in public toilets
Conclusions

• Lots of training and sensitation is needed for new concept
• Without genuine community participation no success will be made
  • Technology must be simple but durable
• Instructions for use, training and proper O&M is essential
  • Cost sharing strategy; more results
• Seeing might be believing, but believing is still not doing!
  • Fund raising aspect is crucial for sustainability (clubs, committees, CBE’s)
• For long term results and scaling up, both local and governmental level participation is needed
More on the projects, check also:

- Emmanuel Mutamba- Drivers for Community participation: Experiences drawn from Swaziland and Zambia (Lecture Hall B, Thu 15.50-16.10)
- Obed Kawanga, Gis Application- poster presentation (Portrait lobby, Thu, 14.30-15
- Jonna Heikkilä, Changing attitudes towards dry sanitation in Msunduza, Swaziland (Lecture Hall D, Fri, 12.10-12.30)
Materials available

• A guide to sanitation and hygiene in developing countries, 2nd edition (2009)
• A sanitation development project in rural Zambia; management, recommendations and instructions (BSc. thesis)
• Evaluation of Urine as Fertilizer on Maize and Cabbage Production in Kaloko Village, Zambia (BSc. thesis)
• Survey and recommendations on Zambian dry sanitation improvement programme (BSc. thesis)
• Towards a common goal. The challenges of the sanitation sector in Zambia. (MSc. Thesis)
• Maintenance of borehole wells equipped with handpumps in developing countries, Case: Kaloko, Zambia (BSc. thesis)
• Yearly reports, Evaluation&workshops reports
• Instruction materials for construction, hygiene education etc.

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Thank you!
Kiitos!
Twatotela sana!

”Forward with Dry toilets, no turning back!”

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