



Sub theme 2; Water and sanitation development; Addressing water, sanitation and hygiene needs in Urban, semi-urban and rural areas of Uganda

Integration of Market Approaches to hygiene and Sanitation for Improved livelihoods, Clean and Healthy Environment;

A case of Slum Communities in Makindye and Lubaga divisions, Kampala Capital City.

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UGANDA WATER AND ENVIRONMENT WEEK

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Introduction

- The world is increasingly becoming a city planet, as Stewart Brand notes in his book “*Whole Earth Discipline: an Ecopragmatist’s Manifesto*”. Half of the world population now lives in the cities and 80% will do so by 2050.
- Kampala has a 1.5 and 2.5 million night and transient population, respectively yet the city was earlier planned for about 350,000 people -6.87%[^].
- This paper examines the potential hygiene and Sanitation based enterprises (*such as briquette making, improved public toilet design with a business unit, crafts making from solid cloth waste*) towards contribution to the triple benefits of improved livelihoods; a clean and healthy environment; and enhanced social organization and cohesion among slum dwellers in urban slums.
- This was largely realized through various interventions, which were implemented within the framework of the Descent Living Project in Makindye (Slums of Nabisaalu, Ggaba and Kibuuye) and Lubaga (slums of Kabaawo and Bahati-Mutundwe) Divisions by Environmental Alert in collaboration with Water Aid Uganda and Kampala City Council Authority during the period 2014-2016.

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- The interventions include; Mapping/identification of community based initiatives on sanitation/solid waste management, capacity needs assessments ,targeted awareness creation, sensitization and training, piloting of new technologies/designs for public toilets community mobilization, better access to appropriate technology & tools, added value on existing knowledge, skills and social organization within the slum community, construction of sanitation facilities among others.
- Furthermore, there was active involvement of key stakeholders (e.g. Village Health Teams/Community Based Health Workers; Community Based Organizations, Kampala Capital City Authority; Water Aid Uganda) within and outside the community based on their capacities and mandate.
- Overall the interventions resulted into visible positive changes in the slum communities even after the project ended in 2016.

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Problem Statement

- Poor waste management and disposal is a key challenge in urban slum communities. Thus, it presents serious implications on livelihoods in terms of sanitation and health in the community especially when the waste is indiscriminately disposed off in drainage channels thereby blocking them and contributing to flooding during the rainy season. This eventually promotes infestation and proliferation of water borne diseases like cholera and diarrhea in the communities.
- Despite this, the slum communities in Makindye and Lubaga Division in Kampala City are not just seated. Thus, there are various community based initiatives that aim at better utilization of the waste turning it into other useful products for incomes generation through enterprise development. However, they are using their meager resources, but also limited by improved knowledge, skills, innovation and practices along the enterprise chain for improved efficiency and effectiveness of the enterprises.

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Overall Objective

- To examine the potential Hygiene and Sanitation based enterprises towards contribution to the triple benefits of improved livelihoods, a clean and healthy environment; and enhanced social organization and cohesion among slum dwellers in urban slums.

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Specific Objectives

- To identify the existing community initiatives on utilization of waste in selected slum communities in Makindye and Lubaga Divisions;
- To promote the existing community initiatives on utilization of waste in selected slum communities in Makindye and Lubaga Divisions;
- To identify policy and practice recommendations for consideration by duty bearers towards advancement of community based initiatives on sanitation.

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Key Interventions

- A) Inception meeting – (to introduce the initiative to key stakeholders, selection of project sites ...);
- B) Mapping/identification of community based initiatives on sanitation/solid waste management;
- C) Participatory capacity needs assessments conducted for identified sanitation enterprises;
- D) Targeted awareness creation and training;
- E) Responsive support (e.g. purchase of appropriate technology and equipment) to advance the sanitation based enterprises;
- F) Piloting of new technologies/designs for public toilets with a business unit for income generation through rent fees;
- G) Construction of a drainage channel at Nabisaalu in makindye division.
- H) Facilitating process for operation and maintenance and sustainability of the sanitation based enterprises;
- I) Targeted documentation and dissemination of best practices and lessons learnt
- J) Targeted policy dialogues at division and national levels.

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Key results

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sanitation and hygiene enterprise	Community where the enterprise was promoted	Status of the enterprise in terms of technology and practice before project interventions	Value added to enterprise development through project interventions	Key results from project interventions	Emerging issues
Briquette making	Nabisaalu	<p>The groups supported were clean Energy for Africa(CEFA) and introduced to zibula attudde</p> <p>CEFA was using hands to produce their briquette, which was tiresome, and they were producing poor quality products with low market value.</p>	<ol style="list-style-type: none"> 1. The machines added quality to the products that were produces 2. The groups learnt the benefit of packaging of the products they produced. 3. More knowledge and skills on how to operate the machines enhanced their human capital to be competitive 	<ul style="list-style-type: none"> • Increased production • Quality production • Increased employment (from 65 members to 165 members employed) • Improved incomes 	Support to these community Based Organisations
Construction of the toilet facilities	Mutundwe Kabaawo, Ggaba mission Sub-parish, Mutundwe, Bahat, Ggaba market	<p>Few toilet facilities that were in the communities were in a dilapidsted state which were exposing the community members to the threats related to diarrhea, cholera and other related diseases.</p> <p>Also people were using flying toilets as an alternative for the dirty and unbearable smell of the toilets.</p>	<ol style="list-style-type: none"> 1. The inclusion of the business unit ensured income generation in form of rent.this helps in operation and maintanance 2. The facilities have Hand washing facilities which promotes proper personal hygiene, thus better health. 	<ul style="list-style-type: none"> ▪ Four (4) public sanitary facilities completed; Mutundwe and Ggaba parishes. ▪ Improved sanitation and Hygiene in all the parishes where this study was carried out 	<p>There is need to upscale the public toilet model to other parts of the country.</p> <p>There is need to include an incinerator to the toilet facility to curb the issue of used sanitary towels and diapers.</p>

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Results Cont'd...

- a. Enhanced business skills and knowledge for management of the sanitation and hygiene based enterprises (i.e. production of briquettes, plastic tiles, craft shoes, craft bags)
- b. Fifty-five (55) women and men (39female, 16male) were trained in business management and development skills to enhance effectiveness and efficiency of their enterprises. The training encompassed; *business planning, records management as well as basic accounting tools , business Promotion /advertising, developing the enterprise Marketing Plan, Business Negotiation, Costing and pricing products/services*)
- c. Seven (7) women and youth enterprise groups supported with equipment to enhance their production in , crafts, soap and detergent, briquette among others) and 5 groups were supported with skills and trainings
- d. New public toilet model/design with a business unit developed and tested in mutundwe and Ggaba and in total 4public toilets were constructed and are managed by the communities.
- e. leadership and management skills and Knowledge of community user committee (58 members -34Female/ 24Male) for public toilet facilities in Mutundwe and Ggaba parishes, respectively were enhanced

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Key Outcomes

- Registered changes in attitude, practice, decisions at different levels.
- Improved Sanitation, hygiene and health with reduced incidence of water related illnesses due to increased awareness among urban slum dwellers on best sanitation and hygiene practices.
- Improvements in service delivery such as; extension of prepaid meters(200 pro-poor taps) to communities by National Water and Sewerage Cooperation, addressing challenges around personalization of taps by vendors; willingness by Kampala capital City Authority contracted private garbage collectors to work with community based organisations.
- More community members accessing sanitary facilities for hygiene needs

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Discussion

- Building capacity of community structures.(Operation and Maintenance)
- Operation of the facilities, and management of the business unit.(Shs.500 for showering and shs.200 for toilet use)
- Youth and women equipment support (the production rate increased by 30% for Clean Energy for Africa-CEFA).

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Discussion Cont'd,....

•Training

EA delivered a vocational training to 15 participants. The training covered both the theoretical and practical aspects of briquette production , proper waste management through recycling to produce biofuels as an alternative to energy.



Construction of toilet facilities

A business unit is housed within the facility to complement sanitation

The rationale for the business unit is that one can get at least more than one service when at the facility.



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Changes.



Construction of Nabisalu drainage channel greatly improved the environmental health of the communities and EA supported the community based organization (*Kanaakulya*) group with cleaning tools to do community clean-ups. The community agreed to contribute a clean-up fee(500/= per month) from which at least two youths earn 30,000/= per week

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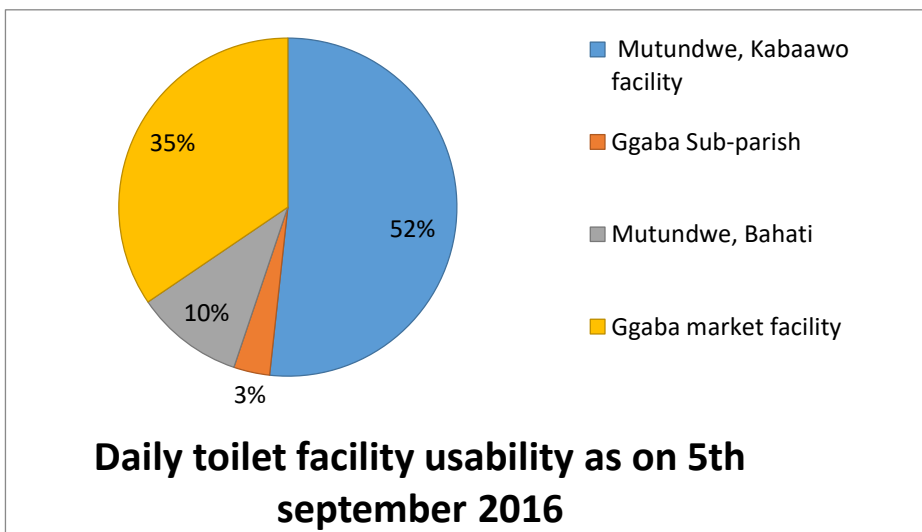
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Changes Cont'd...

Name of sanitary facility	Number of users (per day)	Daily income generation(200/= @)
Mutundwe, Kabaawo facility	150 people per day	30,000/=
Ggaba mission Sub-parish facility	10 people per day	2,000/=
Mutundwe, Bahati facility	30 people per day	6,000/=
Ggaba market facility	100 people per day	20,000/=



- there was an Improvement in sanitation practices in the project areas. For example with construction of the 6 toilets stance giving an average of 1:43 (stance to person ratio.)
- With makindye having the high daily usability.
- The facility has complemented growing businesses in the area (kabaawo parish-car washing bay due to water stand offs.)
- Hand washing has also equally been promoted

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Lessons learnt.

- Communities are receptive to new technologies and are willing to explore new innovations.
- There is demonstrated potential of hygiene and Sanitation based enterprises in contributing towards the triple benefits
- Feasibility assessments need to be done for identified potential construction sites to avoid unforeseen challenges after construction.

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Challenges

- Operation and maintenance of the public sanitary facilities still remains a challenge with the old design yet the facilities are still in the community and have to be management.
- The disposal and management of sanitary towels and diapers among communities is still a challenge because most of the sanitary facilities lack facilities for incineration.
- There is limited access by communities to appropriate technologies and innovations for sanitation and hygiene enterprises.

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Conclusion

- The demonstrated potential of hygiene and Sanitation based enterprises in contributing towards the triple benefits there are several challenges and limitations which must be addressed by the duty bearers and development partners to tap into this potential at different scales.
- There is need for continuous monitoring and backstopping support by KCCA and Ministry of Water and Environment especially for the effective operation and maintenance of sanitary facilities and the enterprises.
- In addition, given appropriate support and guidance, the enterprise groups can become effective in promoting Sanitation and hygiene through market based approaches.

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Key recommendations

Civil Society Organizations like EA and others

- Continuous community hygiene education to be done to increase knowledge and consequently lead to change in attitude and desired behavior;
- Link existing groups to institutions that can further enhance their knowledge and skills in the specific enterprises;
- Need to advance lobbying and advocating for effective policies that promote service delivery to communities;
- Consider scaling up project interventions to other areas where the project was not implemented.

Communities

- Communities should build other social enterprises based on the already established sanitation and hygiene based enterprise e.g. Saving and loan schemes especially around the market-to improve on their capital for re-investment and facility sustainability, job creation, social capital (interaction).

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Recommendation for Kampala Capital City Authority

- a) Future projects could consider refurbishing the already existing yet non-functional public sanitary facilities within the communities.
- b) Step up enforcement on poor sanitary structures and enforcement of the waste management ordinances.
- c) Recognising and supporting community initiatives on waste management through sanitation and hygiene based enterprises- through planning and targeting these groups for training, exposure.

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