



How Women Benefit from Sustainable Technologies for Water, Sanitation and Energy

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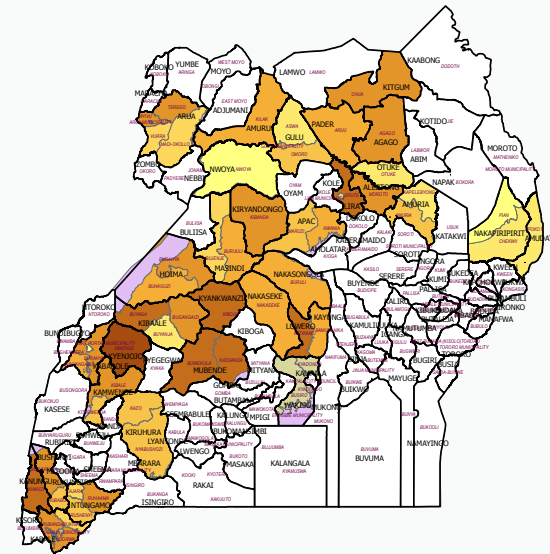
Kampala, 23 June 2016

Outline

- WECF and ARUWE Introduction
- Sustainable Technologies for Water, Sanitation and Energy
- Project Example
- SDG implementation in Uganda

ARUWE is a Ugandan non-governmental not-for-profit organisation

- ARUWE was set up to eliminate discriminative practices that inhibit women's potential in the social, economic and civic sectors
- ARUWE implements in Wakiso, Mpigi, Sembabule, Kiboga and , Kyankwanzi districts



WECF an international non-governmental not-for-profit organisation

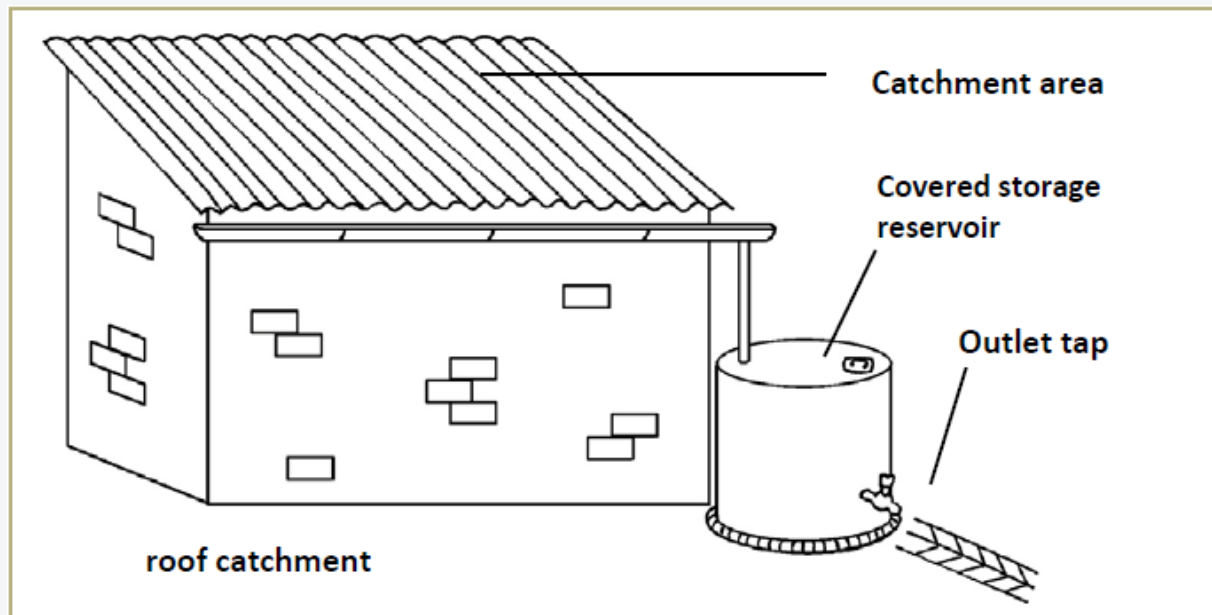
- International Network: 150 Member organisations in more than 52 countries
- 5 Offices: France, the Netherlands, Germany, Georgia, Switzerland
- UN Womens Major Group, ecosoc status, UNEP partner
- Member/Partner of German WASH Network, SuSanA, GW2I



Sustainable Water Supply

Rainwater Harvesting

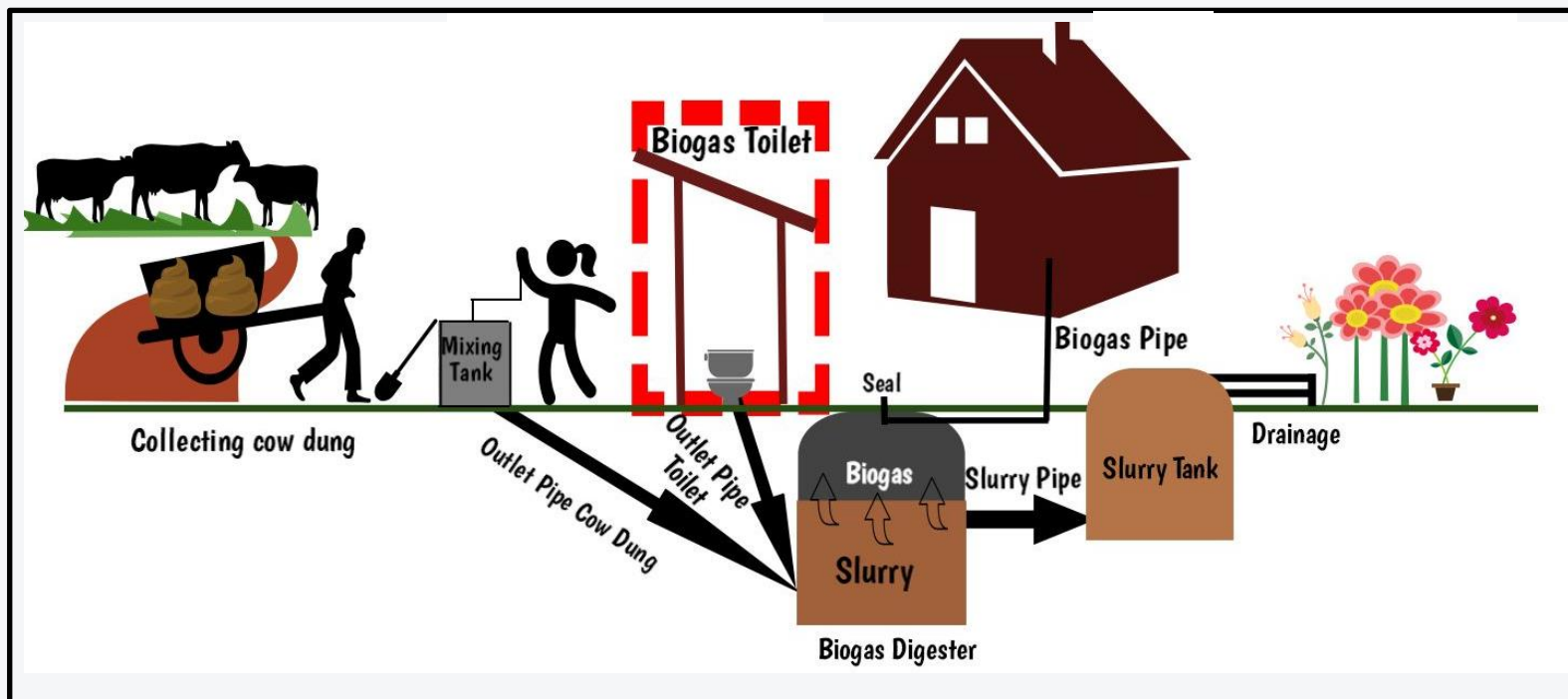
- Tanks made of bamboo
- 6 000 liter volume



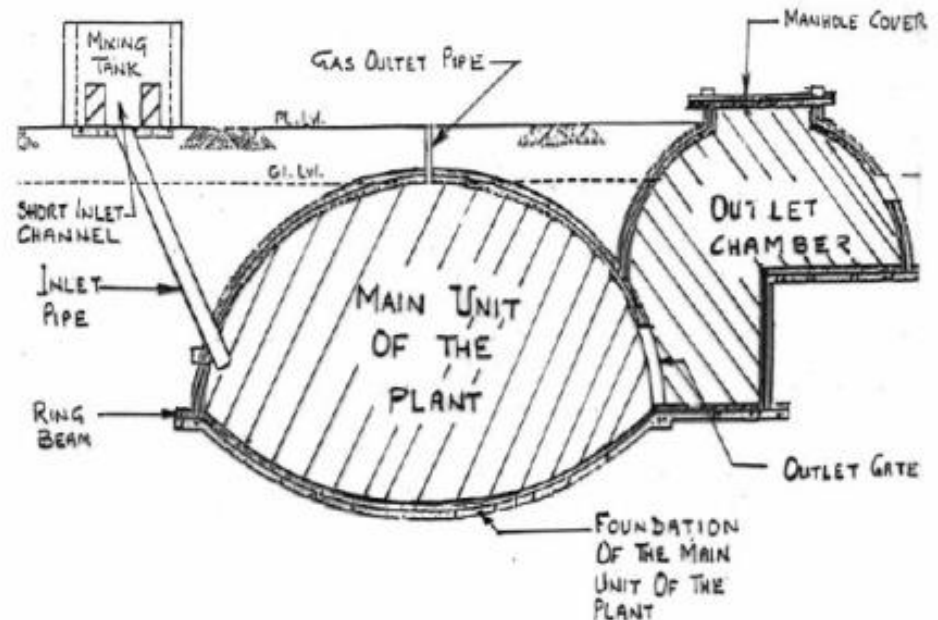
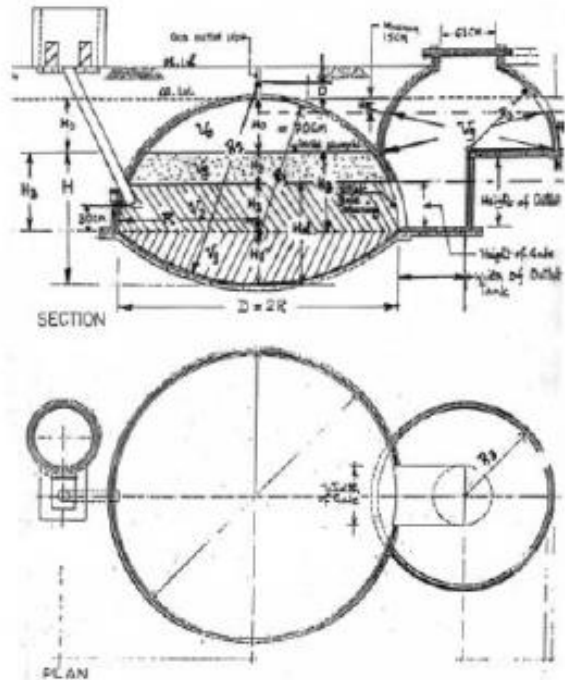
<http://www.climatetechwiki.org/content/rainwater-harvesting>

Sustainable Energy Supply Biogas Plant

- Fed with cow dung and optional human excreta
- 3 000 liter volume



Scheme of the Grameen Bandhu Biogas Plant



Workshop in India in 2013

South-South-Knowledge Transfer

Partner NGOs from Kyrgyzstan, Georgia and Uganda were invited to the workshop in India to learn the sustainable technologies



Bamboo for construction of the biogas digester



Construction of the biogas plant - 1



Construction of the biogas plant - 2



Construction of the biogas plant - 3



Construction of the biogas plant - 4



Feeding the biogas plant



- Cow dung of at least 2 cows per day
- Connecting a pour flush toilet possible



Using the Biogas



Biogas stove

Biogas lamp



Biogas Manual



International Workshop on Green Technologies
Empowering Rural Women

Manual

Small scale biogas plant
Bamboo weaving
Solar driers
Solar collectors
Project examples



International Workshop on Green Technologies
Empowering Rural Women

Jointly organised by:

WOMENS' ACTION FOR DEVELOPMENT (WAFD)

and

INTEGRATED SUSTAINABLE ENERGY AND ECOLOGICAL DEVELOPMENT ASSOCIATION
(INSEDA)

sponsored by

WOMEN IN EUROPE FOR A COMMON FUTURE (WECF)

Date: December 06th to 15th, 2013

Venue: Village Chakchauba, Sewar Blook, Dist Bharatpur (Raj State) & WAFD Center,
New Delhi, India

TRAINING TEAM

Overall training Coordinator-cum-Trainer:

Ms. Zareen Myles, Executive Director, WAFD

Chief Training Coordinator-cum-Trainer:

Engr. Raymond Myles, Secretary General-cum Chief Executive, INSEDA

OTHER TRAINING TEAM MEMBERS:

1. Jaswant Singh (INSEDA's Senior Construction Trainer)
2. Sumit Chaudhry (WAFD Trainer)
3. Trishpai (WAFD Trainer)
4. Mukesh Bahuguna (WAFD Construction Training Assistant)



Rainwater Harvesting Tanks



Running Project in Rural Uganda

In Subcounty Mulagi with around 500 inhabitants and two women groups (Kyankwanzi province)



ERBACHER  STIFTUNG

Safe Water and Sustainable Sanitation for All



www.wecf.eu

Running Project in Rural Uganda



- Community participatory approach through women's groups
- Awareness raising and capacity building
- Implementing biogas plants and rainwater harvesting tanks
- Access to financing



First Results

- Addressing the water, sanitation, energy and agriculture nexus
- Improved living conditions
- Women need less time to fetch water or fire wood
- Women can earn money with bamboo basket weaving
- Girls (and boys) can go to school more regularly
- Cooking with biogas is healthier esp for women



SDG implementation in Uganda

- Community Based Approach
- Rainwater Harvesting and Biogas Digester



Community Voices

I now spend now only a few minutes to cook tea and food. I have more time to market my produce, to be in my shop and for sowing.



Namatovu Nuru is 40 years of age living in ssekamalya village, kiwaguzi parish Mulagi Sub County. She is married taking care of 9 children and her grandmother, her source of income is agriculture especially bananas, beans, maize, onions and pineapple. Before intervention cooking with firewood was hard especially in the rainy season as it was hard to cook with wet wood. During the project implementation process the rains hindered the smooth construction; the other challenge was collection of dung because it was mixed with soils with cattle kraal activity.

Community Voices

I used to walk long distances in search of water. However, the water was dirty and I had severe back pain. I am so happy with the water tank.

Muzizima Benadeta aged 59 years, female of Kiyuunni LC1, Mulagi Parish, Mulagi Sub-County, she is a widow and illiterate.





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