

Sustainable Sanitation Approaches for the Urban Poor: AWF Case Studies

From Waste to Water, Watts, Wheat and Wealth.

CONVENERS: AWF, AfDB, Bill and Melinda Gates Foundation
May 25, 2015. 1240-1350 – Room C06, King Fhad Palace Hotel



Through an innovative urban sanitation model, the AWF is challenging the status quo to improve and develop sanitation services for the urban poor through projects that promote fully integrated and sustainable faecal sludge management systems with reuse.

This system takes into account every part of the sanitation value chain from collection and transport of sludge and treatment options, to the final end use or disposal of treated sludge to increase health and energy security, as well as to generate revenue by creating a sanitation economy for the urban and peri-urban poor, men and women, in Africa.

The AWF boasts 14 urban sanitation projects that are being implemented in 11 countries. Those include a broad mix of projects that are intervening at different steps of the sanitation value chain, both on the demand and on the supply sides of the market. These projects are being implemented through a mix of institutional models (business-led, NGO-led or municipality-led).

The AWF is receiving support from the Bill and Melinda Gates Foundation and the African Development Bank for the implementation of these projects, who in turn are both looking at building on AWF experience and results to establish a joint comprehensive initiative to scale up appropriate and innovative sanitation solutions for urban communities.

CASE STUDIES

During the AfricaSan 4 conference, the AWF is presenting case studies based on three of its 14 urban sanitation projects that best illustrate AWF's Urban Sanitation Framework. Particularly, these projects focus on key sustainability factors, such as public-private part-

nerships, financing systems, technological innovation, increasing demand, capacity building, strengthening municipal institutions, and the integration of business approaches along the value chain.

CASE STUDY 1: Waste management in Grand-Nokoué via a private-public partnership



Country: Benin
AWF grant amount: € 1.1 million

The private-public partnership between the city of Seme – Podji and AGETUR Sa. is improving the collection, transportation and treatment of fecal sludge in the area. The treated waste is reused as fertilizer sold to farmers at a competitive price. The project is expected to improve the lives and living conditions of the people of Grand-Nokoué, by reducing the spread of water borne diseases due to insufficient fecal sludge management.

www.africanwaterfacility.org

Scan this QR code to subscribe to our newsletter



CASE STUDY 2: A new sanitation business in Ghana: waste reuse as organic fertilizers and energy



ers and energy

Country: Ghana

AWF grant amount: € 1.1 million

The project supports the construction of a fecal waste treatment plant that can produce about 500 tons of fertilizer per year, and can generate about 580,000 kWh per year of electricity from the biogas produced from the process. The project will help develop business models that bring sustainable gains through utilization of waste as a resource.

At completion, the project will also have contributed to the improvement of hygiene, health and the quality of life of an estimated 125,000 underprivileged urban dwellers by providing them access to new, safe sanitation services through the expansion of the Ashaiman Municipality's sanitation coverage.

CASE STUDY 3: Improved sanitation services to raise school girl attendance in South Africa



South Africa

Country: South Africa

AWF grant amount: € 1.2 million

Using an innovative social business model, this project will provide affordable and sustainable on-site sanitation services to about 300 schools in South Africa's East London district.

The project will also raise awareness of sanitation practices amongst students, paying particular attention to the needs of girls.

The safe re-use of fecal sludge for urban agriculture will be piloted through a locally developed process to address the complete sanitation service chain and improve the local environment.

EVENT PROGRAM

Moderator: Mr. Doulaye Kone, Senior Program Officer for Sanitation Technologies, Bill and Melinda Gates Foundation

Time	Sessions	Presenters / Panellists
12.40-12.50	INTRODUCTION: Un-sewered Sanitation Improvements for the Urban-Poor	Ousseynou Guene, Franz Hollhuber, Maureen Ntege Wasswa, African Water Facility [French/English]
12.50-13.00	CASE STUDY 1: Public-private partnership in Improved sanitation service delivery	Francine Abiola, Commune de Sèmè Podji , Benin [French]
13.00-13.10	CASE STUDY 2: From waste to energy	Raymond Okrofu, SafiSana, Ghana [English]
13.10-13.20	CASE STUDY 3: Social franchising	Oliver Ive, Amanz' Abantu Services, South Africa [English]
13.20-13.30	AfDB / Gates Foundation: initiative to scale up urban sanitation	Malinne Blomberg, AfDB, Water and Sanitation [English]
13.30-13.40	Open discussion	[French/English]
13.40-13.50	Synthesis	

For more information :
 Ousseynou Guene, AWF Principal Sanitation Officer
africanwaterfacility@afdb.org

www.africanwaterfacility.org
 Twitter: @AWFbroadcast
 Facebook: African Water Facility



Find out more about AWF innovative urban sanitation projects by downloading *“Un-sewered Sanitation Improvements for the Urban Poor: an Overview of the African Water Facility Project Portfolio”* a comprehensive report available on the AWF website.