

Scaling up Faecal Sludge Management in Kenya's Urban Areas

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Water Services Trust Fund



BILL& MELINDA GATES foundation

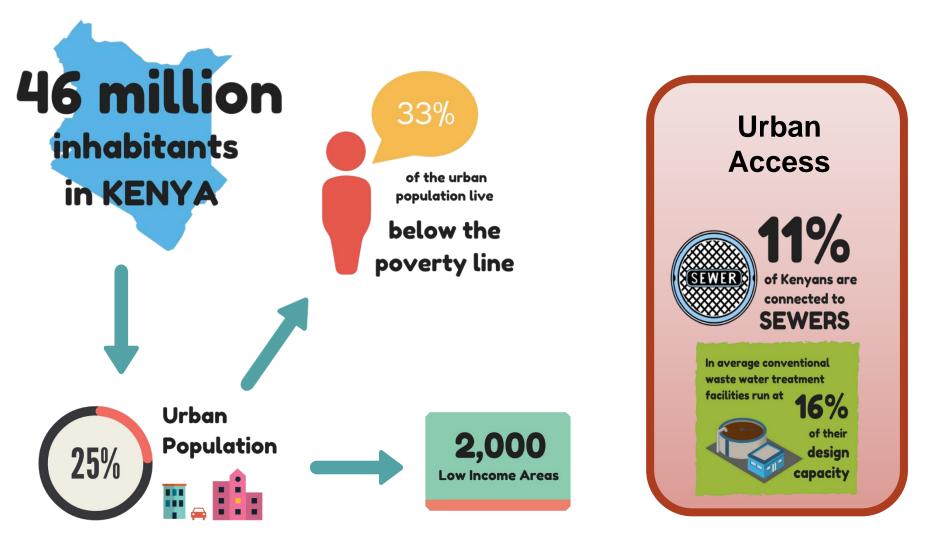






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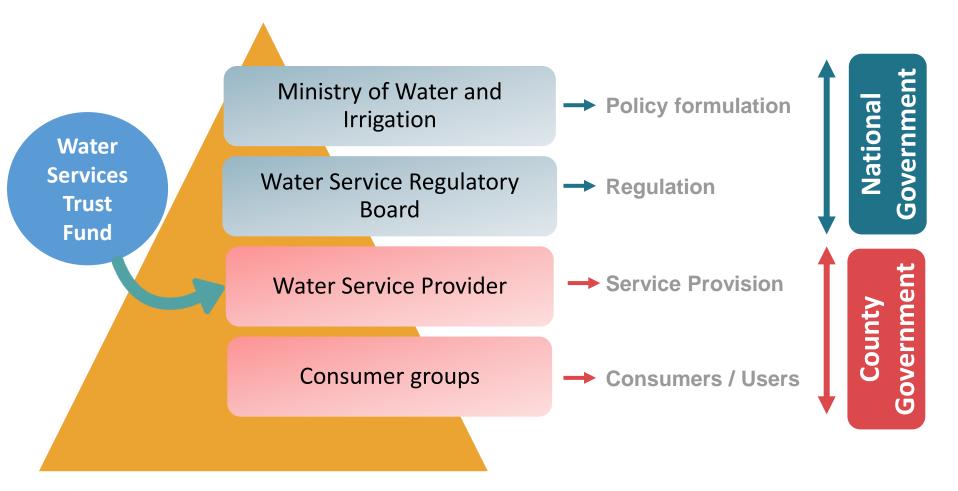
BACKGROUND INFORMATION







REGULATORY AND INSTITUTIONAL FRAMEWORK

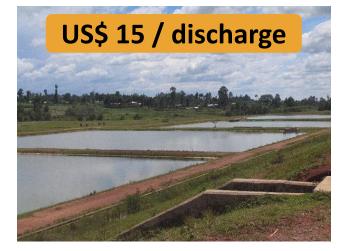






EXISTING FSM SERVICES













WHAT IS UBSUP

Up-scaling Basic Sanitation for the Urban Poor is 7year programme aimed at Improving living conditions of urban poor residents by offering sustainable sanitation to residents of urban low income area (LIA) in Kenya

Financed through Water Services Trust Fund (WSTF)

Targets over 400,000 people with

sustainable sanitation services

US\$ 16.9 million



Implemented by Water Service **Providers (WSP)**

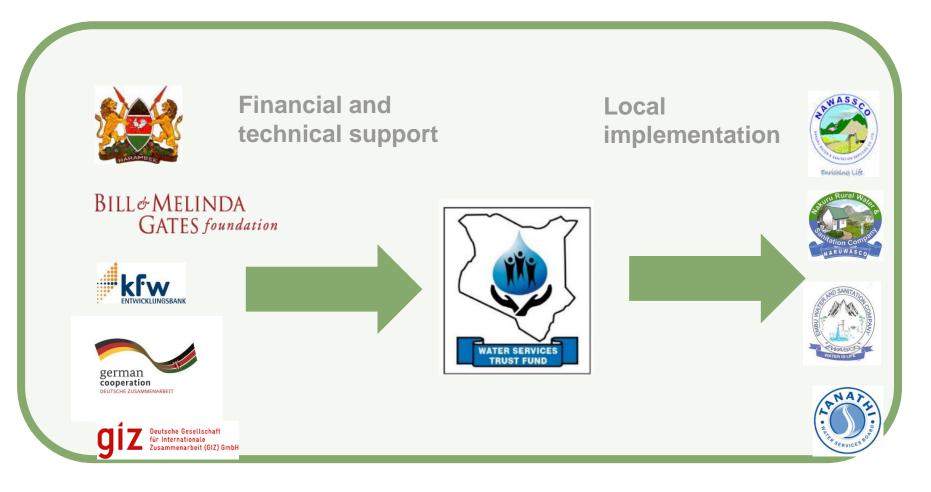


Targeting Sanitation hotspots













MPLEMENTATION

THE SANITATION VALUE CHAIN









Transport









Re use / Disposal

Capture

Emptying

Treating

























CONCEPT DEVELOPMENT

1. Qualitative and quantitative study_____

2. Development of technical, social and financial options covering the whole sanitation value chain

4. Finalizing the concept based on piloting results

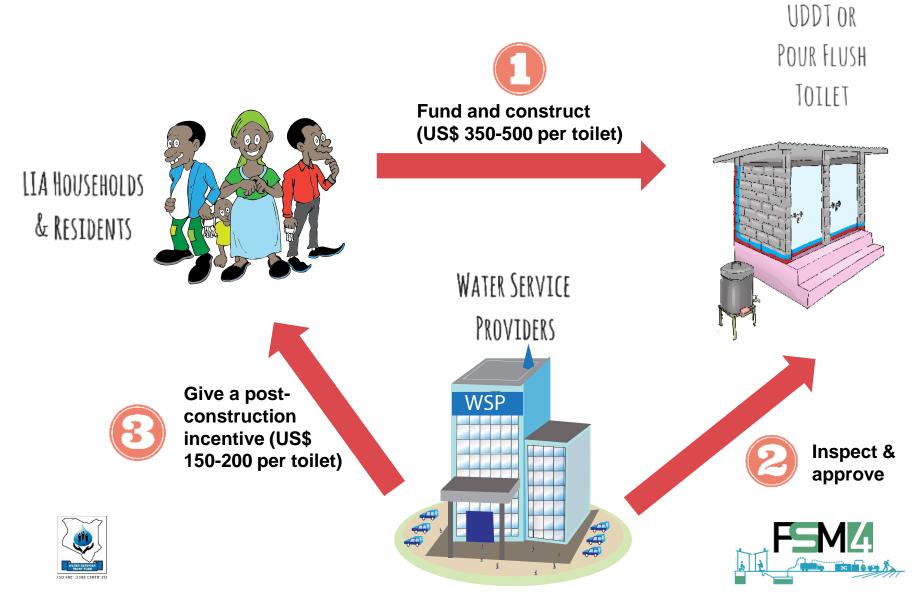
3. Implementing and testing the options at a pilot level

5. Up-scaling using the tested concept



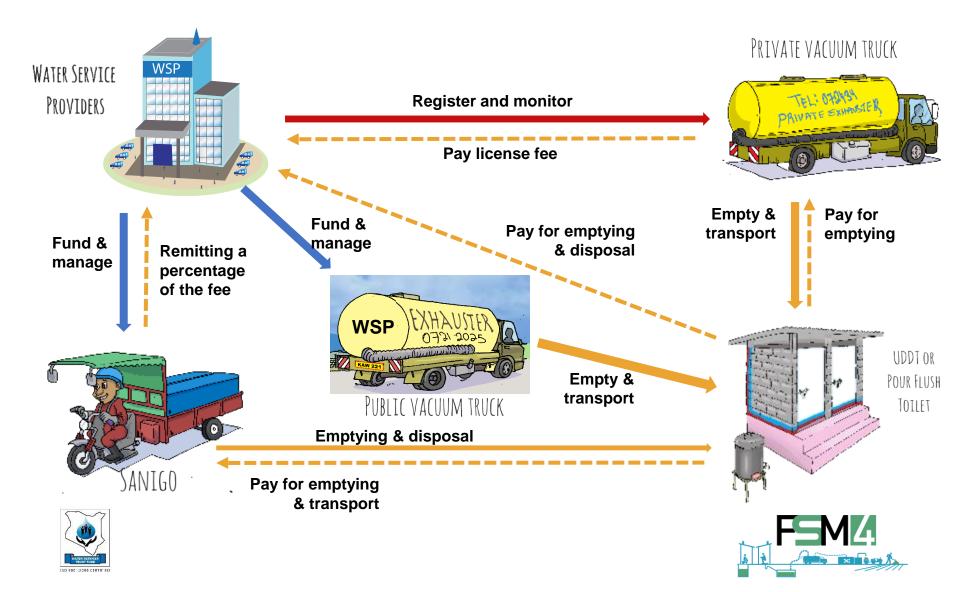


FSM MANAGEMENT Toilets



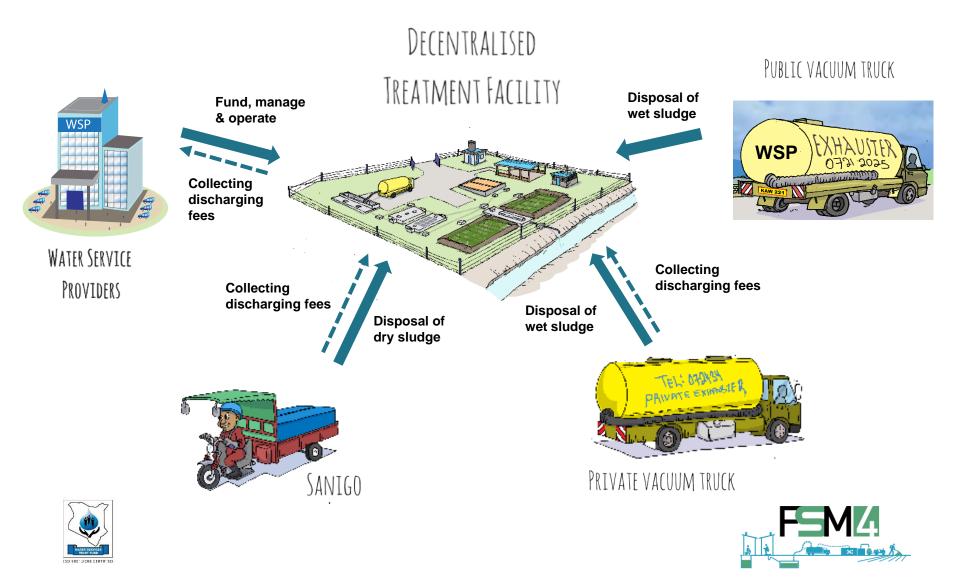
FSM MANAGEMENT :

Emptying & Transport



FSM MANAGEMENT

Sludge treatment



BUSINESS CASE

Capital investment	Recovery period
US\$ 80,000	15 years

Annual capital investment recovery cost	Annual O&M costs	Annual DTF costs
US\$ 5,500	US\$ 6,200	US\$ 10,300

Tariffs for discharge in the DTF				
Truck size	Small (5-10 m ³)	Medium (10-15 m³)	Large (15-20 m ³)	
Fees per discharge	US\$ 13	US\$ 23	US\$ 32	





ACHIEVEMENTS







DRIVERS OF CHANGE

- National urban sanitation concept anchored in sector sanitation
- Activities covering the whole sanitation chain
- Expansion of services in areas where conventional sewerage system is absent
- Affordable sludge management solutions for medium and small towns
- Private sector encouraged to engage in emptying and transportation





LESSONS LEARNED

National up-scaling works best with sector structures

Tried and tested concepts influence policy

A range of technology options is needed

Willingness to pay for sanitation services

Developing sustainable demand for sanitation services takes time

Awareness creation is necessary for up-scaling





OUTSTANDING CHALLENGES

Internal procedures delaying response to demand for sanitation	Decentralised technologies are fairly new in Kenya
Lack of resources in small/medium scale water utilities	Harmonisation of tariffs in the private sector
Marketing of sanitation by- products	Standardisation and compliance with toilet standards

GOING FORWARD...

- Incorporate lesson learned into the next phase of scaling up
- Lobby the government for funding to sustain the momentum of response to needs
- Approach other sources of funding
- Encourage the other programmes interested in up-scaling activities to make use of existing sector structures and teams







THANK YOU ASANTE SANA