

UBSUP

Kenya – Nationwide Upscaling

Up-scaling
Basic
Sanitation for the
Urban
Poor



PROGRESS

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



PROGRESS

PILOTING



Development and testing of technical, financial and social options



DTF with bio digester



First model of Sanigo

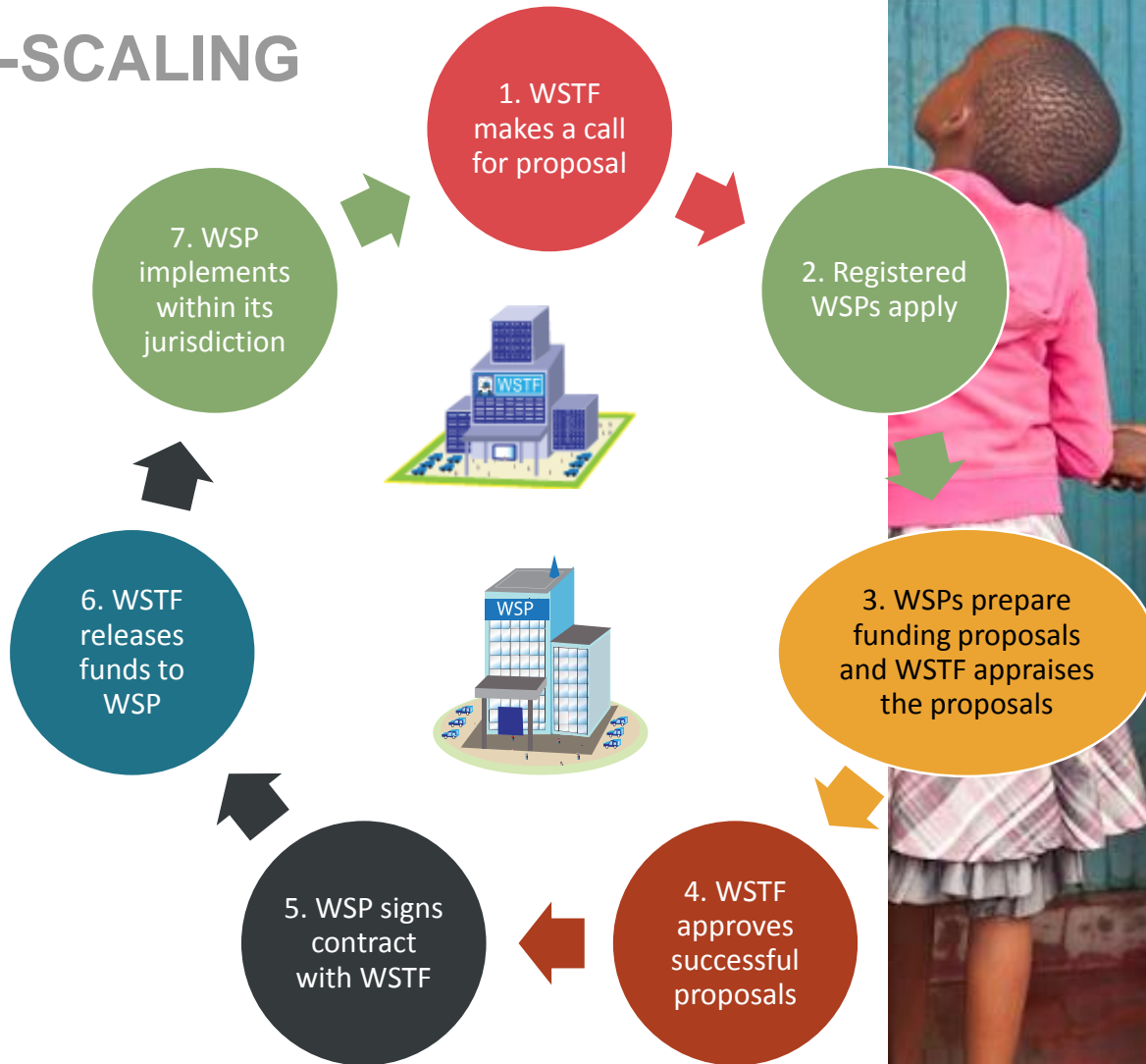


UDDT with moulded plastic squatting pan

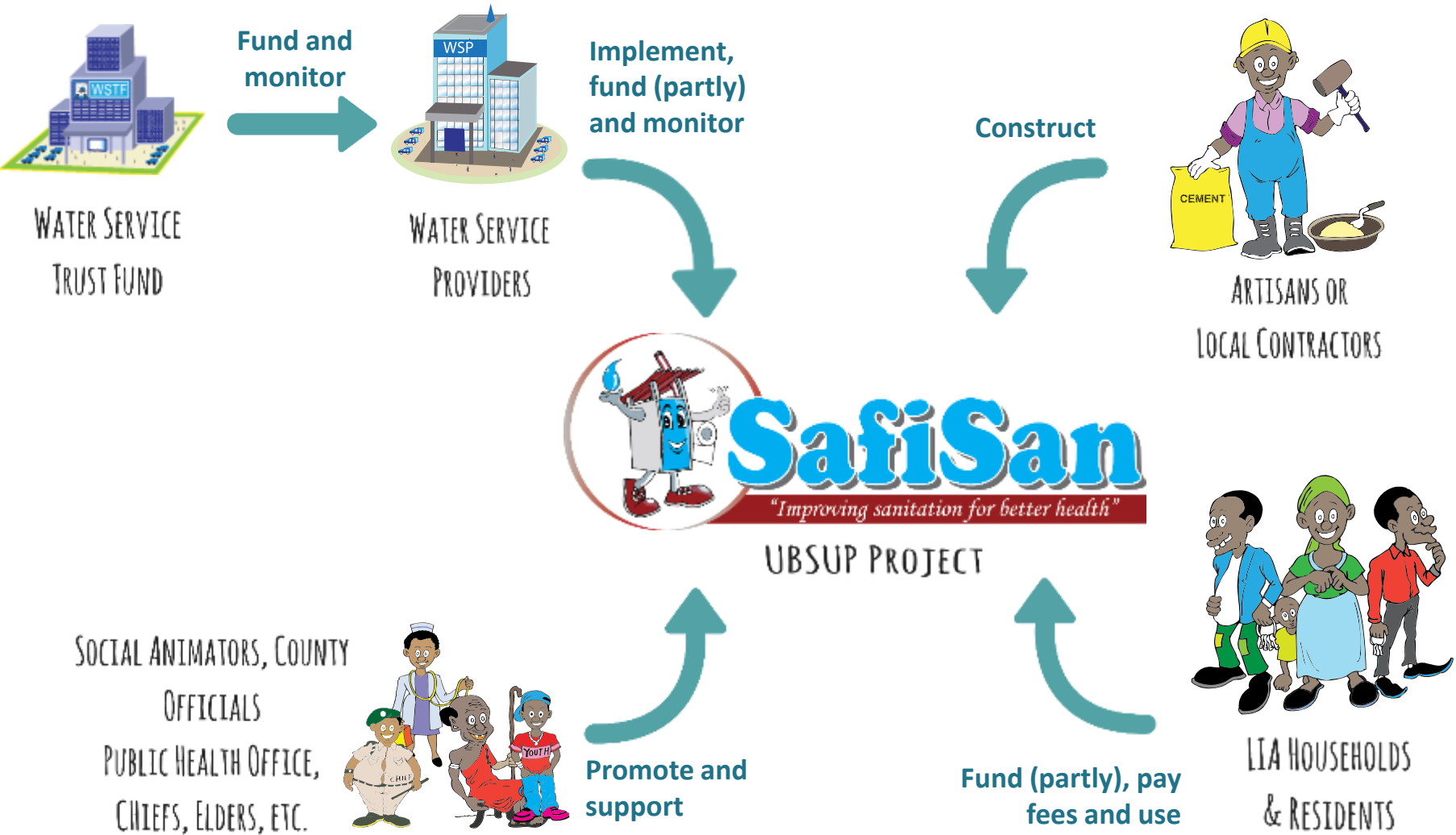


PROGRESS

UP-SCALING



FINANCING MODEL



FSM MANAGEMENT

Toilets

LIA HOUSEHOLDS
& RESIDENTS



1

Fund and construct
(US\$ 350-500 per toilet)



UDDT OR
POUR FLUSH
TOILET



WATER SERVICE
PROVIDERS



3
Give a post-
construction
incentive (US\$
150-200 per toilet)



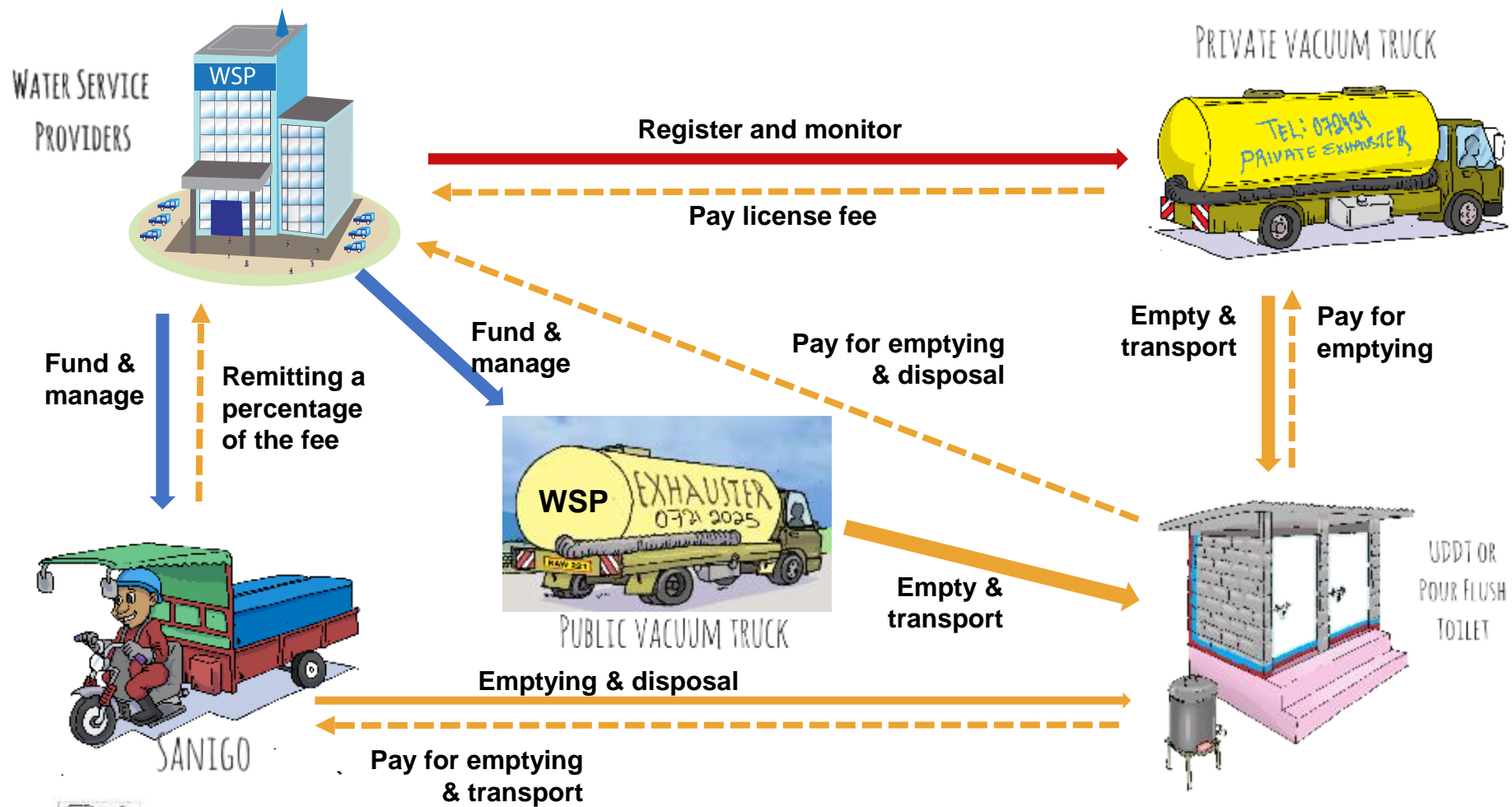
2

Inspect &
approve



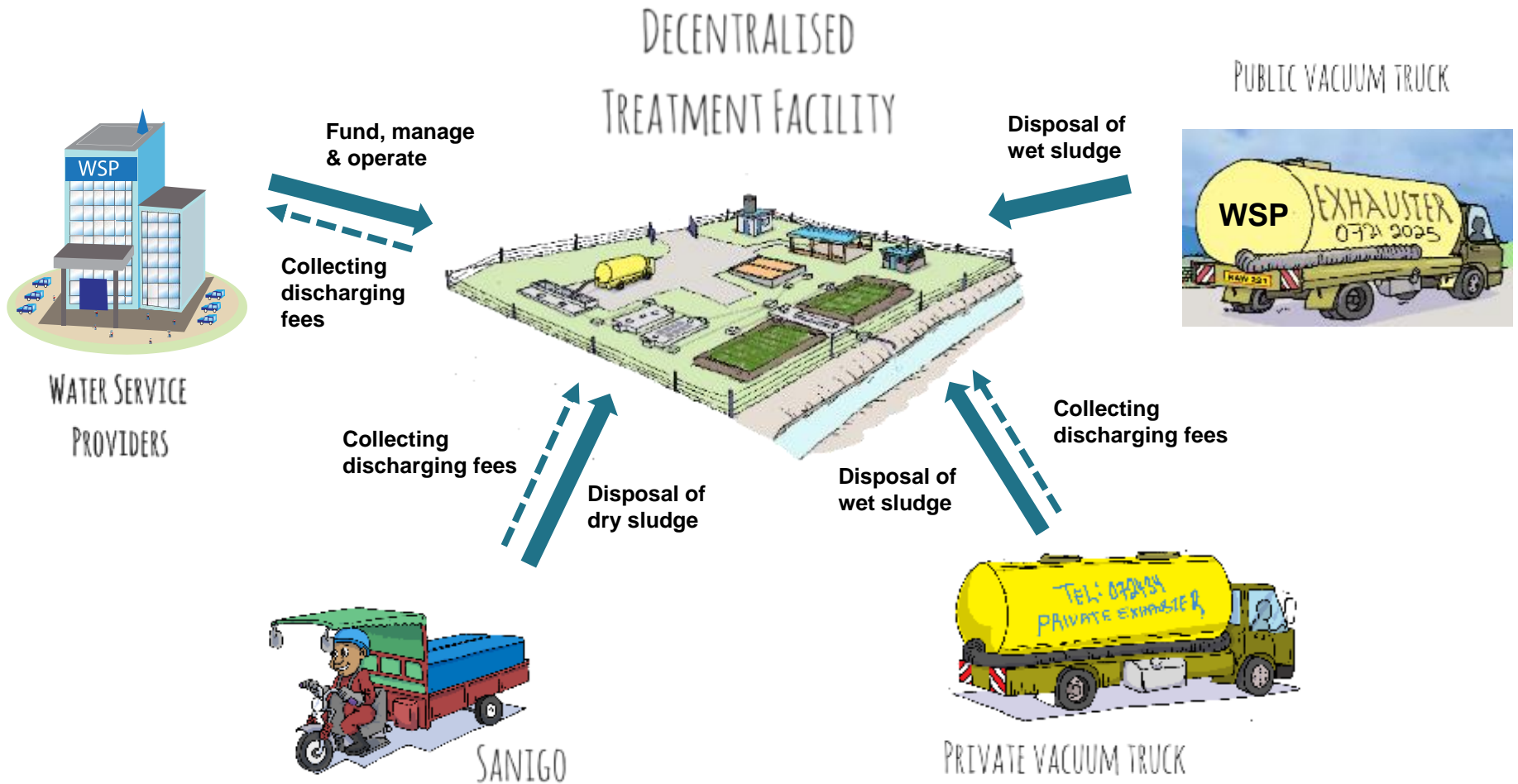
FSM MANAGEMENT :

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 m ³)	Large (15-20 m ³)
Fees per discharge	US\$ 13	US\$ 23	US\$ 32



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**



**THANK
YOU**
ASANTE SANA

