

Safi Sana : public WATSAN service blocks sanitation is (should be) business

Sitting down while money grows

Safi Sana :

Innovative TPP approach: public –private partnership with civil society as third partner

Lease-or franchise concept for service providers in slums

Dutch investors funding sanitation in Africa.

Sanitation means access to economic products/markets



Urge of Change: Global Waterstress



urbanisation



Climate change



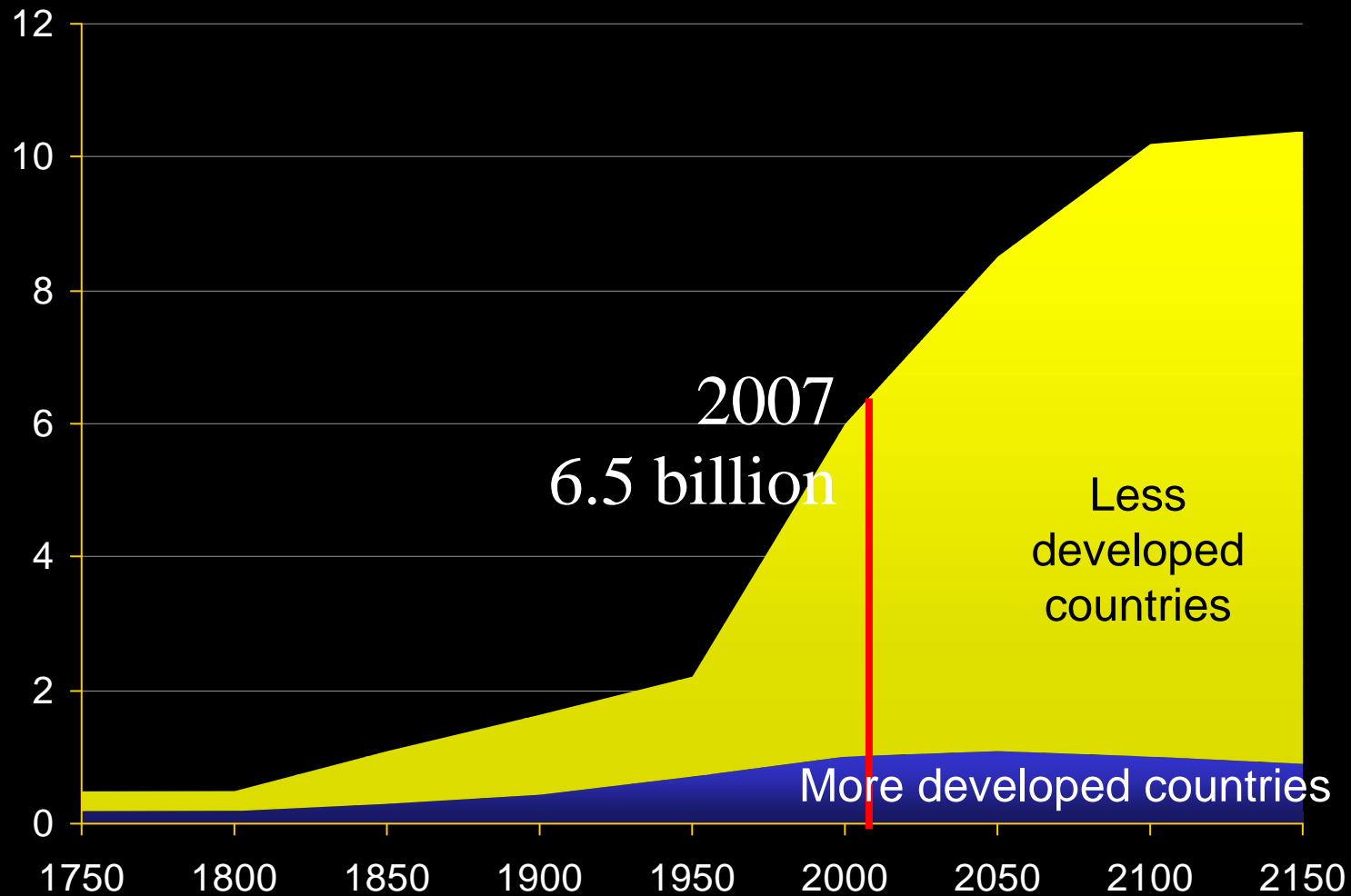
industrialisation



Population growth

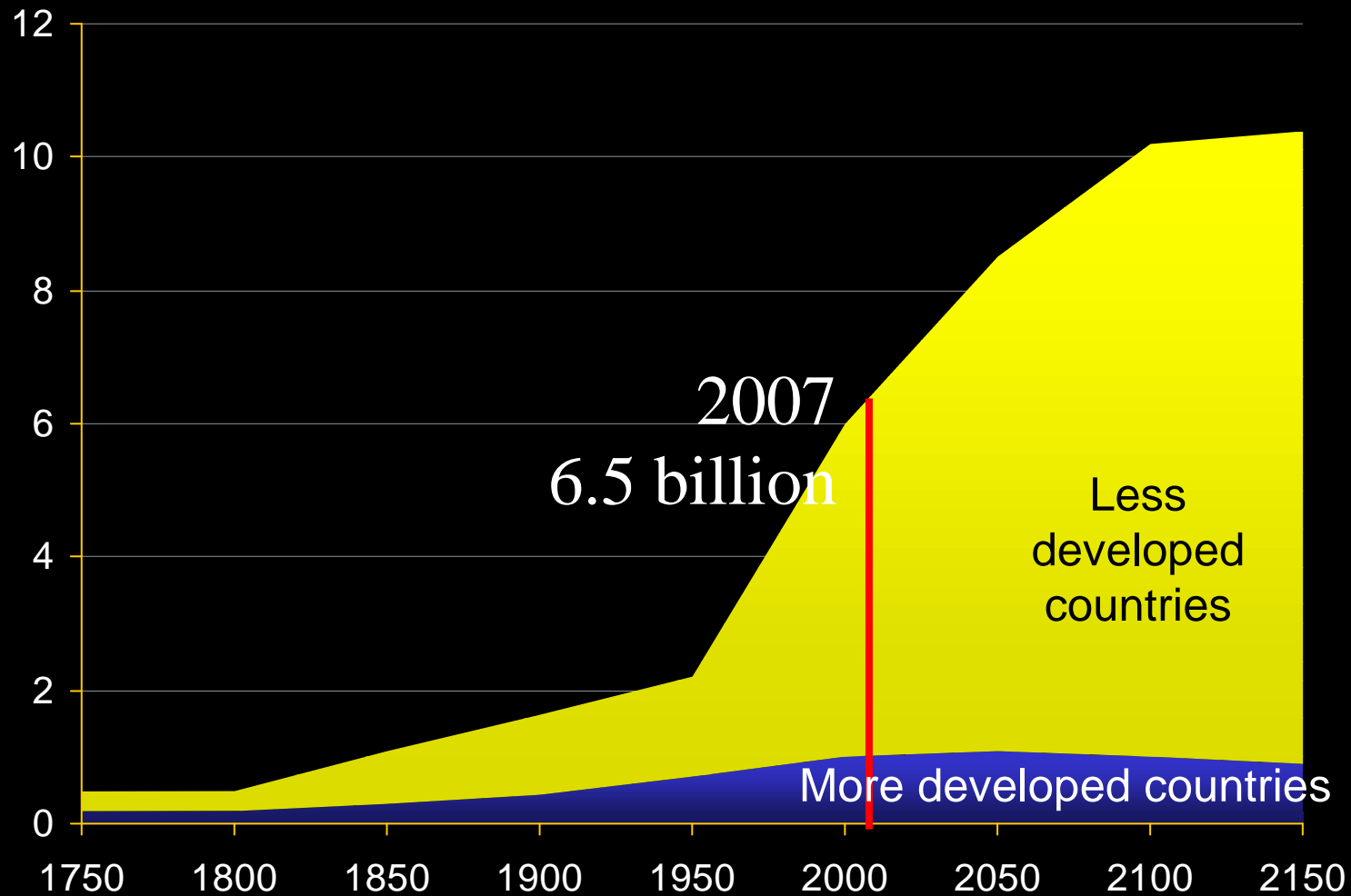
World population is rising rapidly

from 6.5 bn today to 8.9 bn in 2050 and over 10 bn by 2100



World feces/urine production is rising rapidly

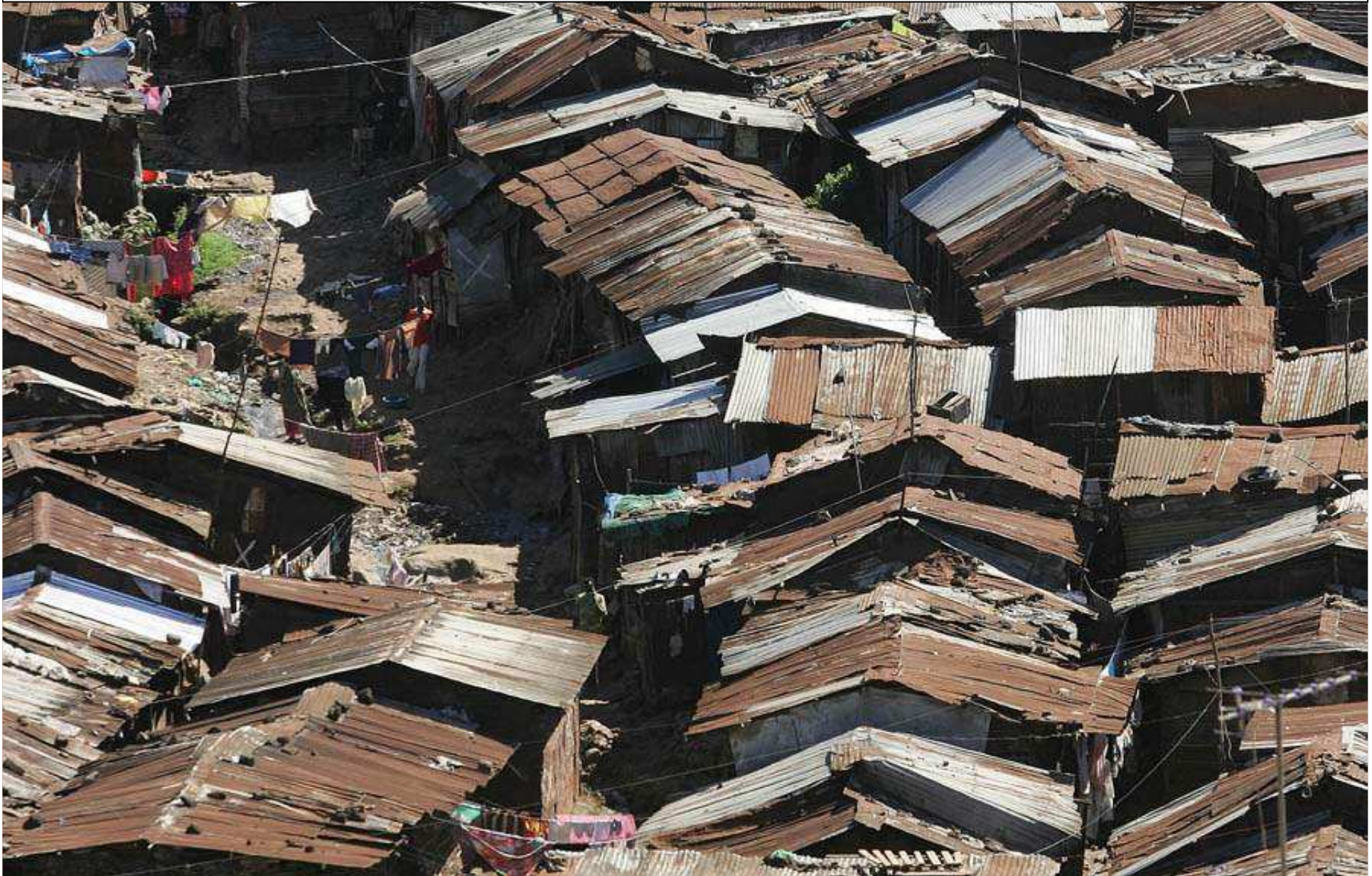
from 7 million tons today to 9 million tons in 2050 and over 10 by 2100



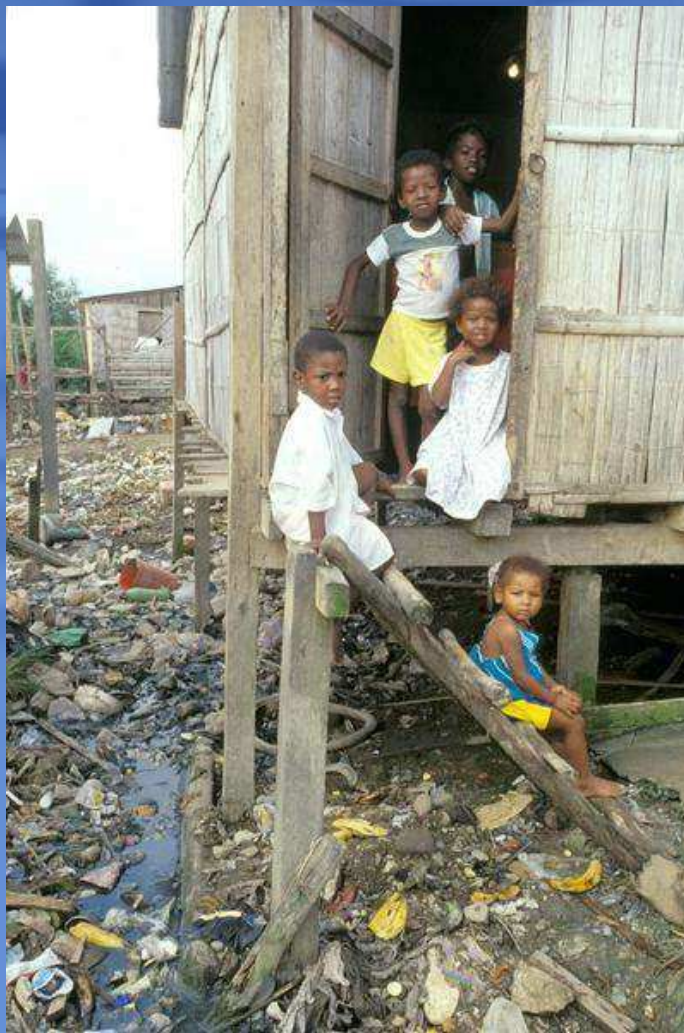
Total urban population will outstrip rural one



By 2035 slums will be mankind's primary habitat



Towards a better future



Waste of nutrients, energy, income Source for employment, income, market

- Urine and feces are equivalent for nutrients
- Bio-waste is equivalent for biogas and electricity
- Urine and feces disposal affect coastal touristic zones, marine ecosystems
- Sanitation offers a chain of employment, product-handling, market

From ... to ?



SAFI SANA
WATSAN public services



for all

bottlenecks

- Negative image, not attractive for investors
- Investment climate, business wise approach
- Western reference (sewer-waterflushed toilet)
- Small Scale thinking not accepted
- No nutrient approach
- No preventive costs approach (who should pay for sanitation)
- Undeveloped Market for sanitation products (agriculture, energy, services)

SAFI SANA : slum watsan projects

Options:

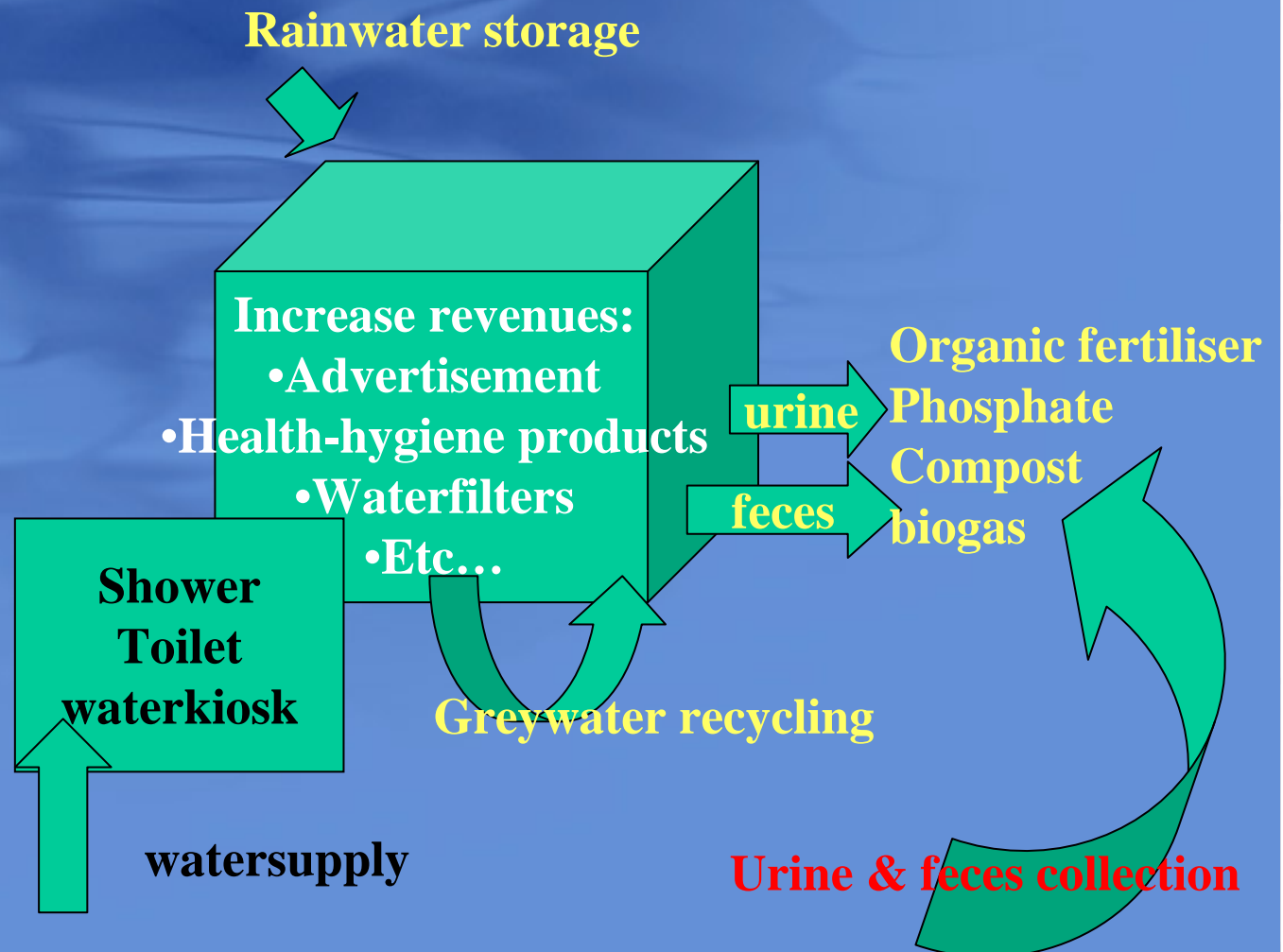
- Accra, Mombassa, Dar es Salaam, Cape Townao
- Urine harvesting (organic fertiliser,P scarcity)
- Feces harvesting (compost, urban farming, biogas)
- Latrine emptying, dumping sites, storage
- Public WATSAN toilet blocs (shower, toilet, waterkiosk)
- Community involvement,public-private-NGO partnerships, embedded in livelyhood improvement
- Private service providers (CBO's, NGO's, private entrepreneurs)

Partners : Helixer, NWP-NGO platform, UN-Habitat, public watersector, technology –and investment partners, equity funds

Spin off: self supporting economic development



Safi sana upgrades



Safi Sana is a franchising concept

Safi Sana is a franchising financial concept:

Basic:

integrated service provision of shower-toilet-waterkiosk

customers: tenants, forensic, dwellers, **NON PROFIT BASE**

1st upgrade: INCREASE OF REVENUES:

extension of service offer (household filters, cartridges, advertisement, health and hygiene products...

2nd upgrade: ECONOMIC BY PRODUCTS for market on a PROFIT BASE

rainwaterharvesting, Urine harvesting, composting, biogas production, greywater recycling

3rd upgrade: MARKET EXTENSION on a PROFIT BASE

collection point plastic feces bags, latrine emptying, , biogas bottling for energy market



Sanitation is; Sitting down, while money grows

- From disposal to collection
- From waste to resources
- From waste to products
- From tax to product marketing
- From costs to benefits (paying for shitting to being payed for shitting)