



Presentation from
**2016 World Water
Week in Stockholm**

www.worldwaterweek.org

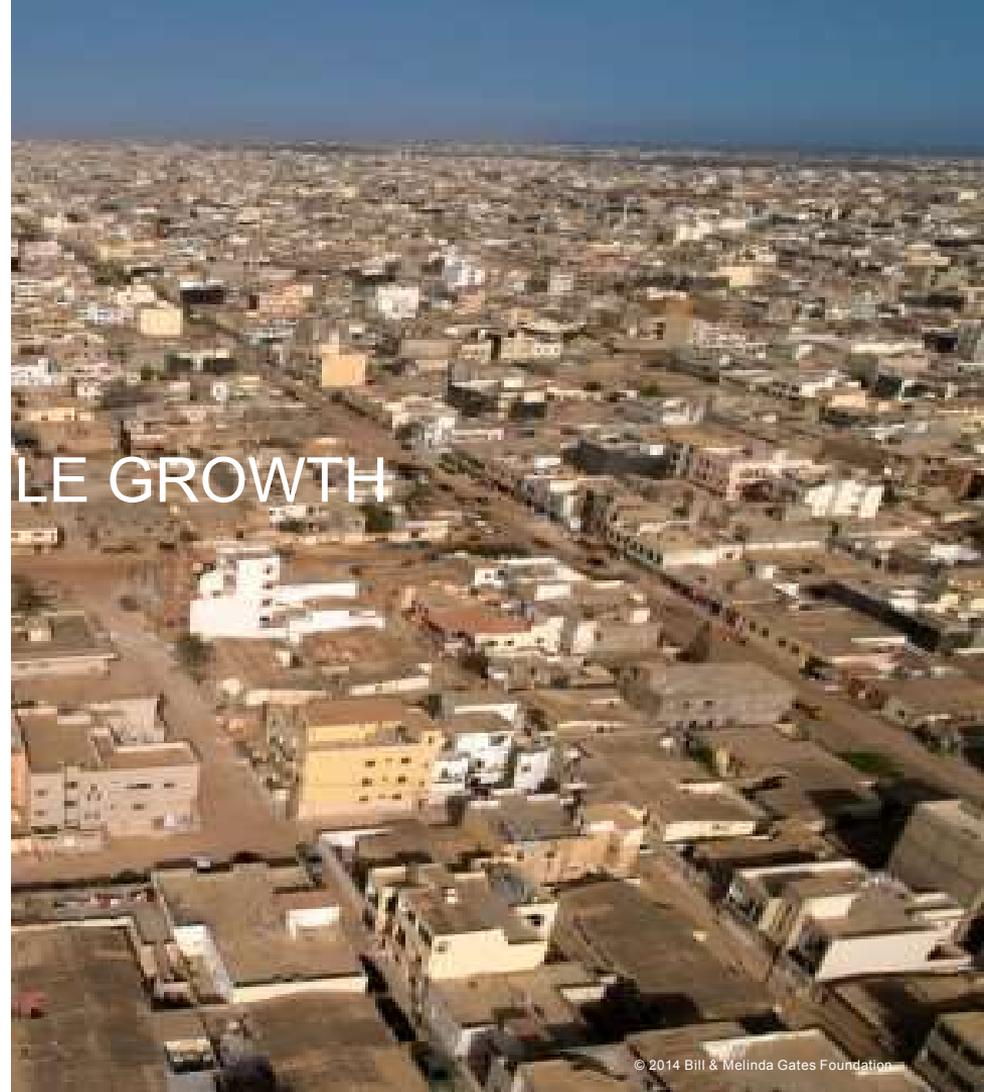
© The authors, all rights reserved

IMPROVING FSM IN DAKAR INNOVATION FOR SUSTAINABLE GROWTH

Jan Willem Rosenboom

Senior Program Officer
Global Development
Water, Sanitation, Hygiene (WSH)

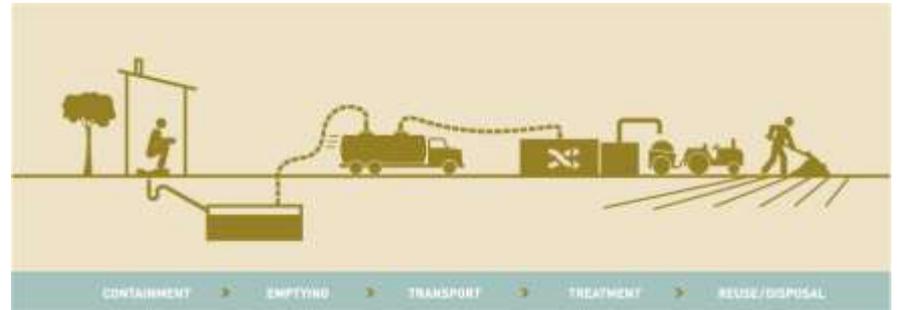
Stockholm, August, 2016



WORKING IN THE CITY OF DAKAR

- Coastal capital of Senegal, > 1million people
- 1400 people/km²: denser than Delhi
- Water supply 80% from ground water sources; vulnerable to salt water intrusion and nitrate pollution
- Some flood-prone areas
- Sanitation: high coverage with mix of sewers and septic tanks, pit latrines

Project Objective: Support ONAS to improve collection, transport and re-use of Fecal Sludge (initially focused on 2 poor neighborhoods)



ATTRACTIVE STARTING CONDITIONS...

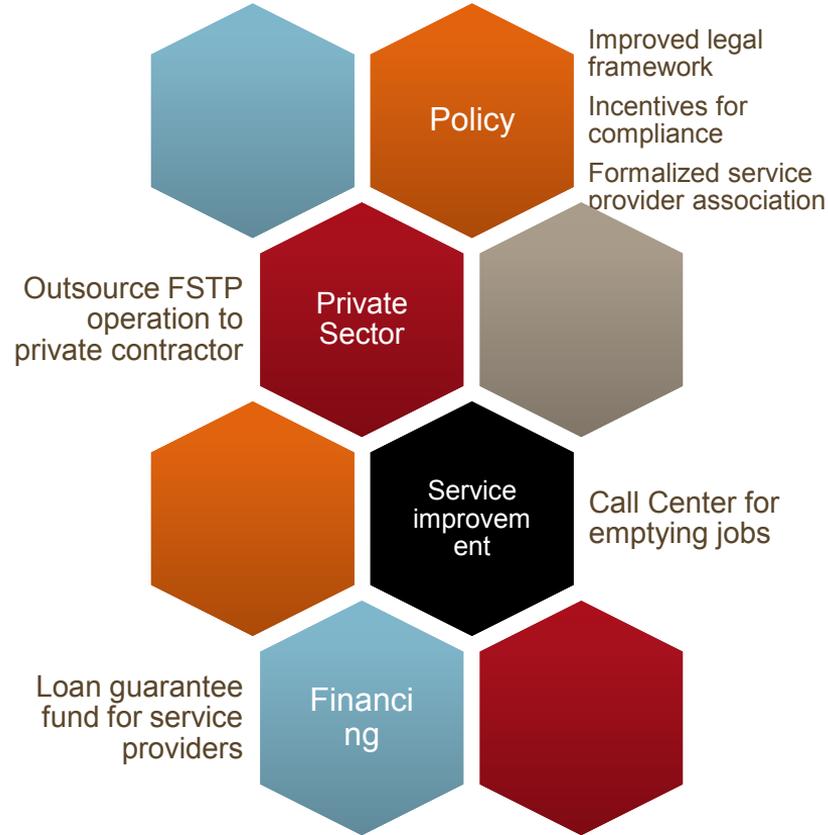
- **Institutional clarity:** ONAS responsible for all sanitation
- **Existing infrastructure:** 3 FSTPs, receiving 400 sludge dumps/week
- **Existing service providers:** 140 trucks, informal association

...but room for improvement

- **Poor enforcement** of regulations
- Very **limited re-use** of treated sludge
- Many informal **manual emptiers** operating in city
- **Poor information flow:** households have to search for providers
- **Poor access to finance** to upgrade or invest in trucks, equipment

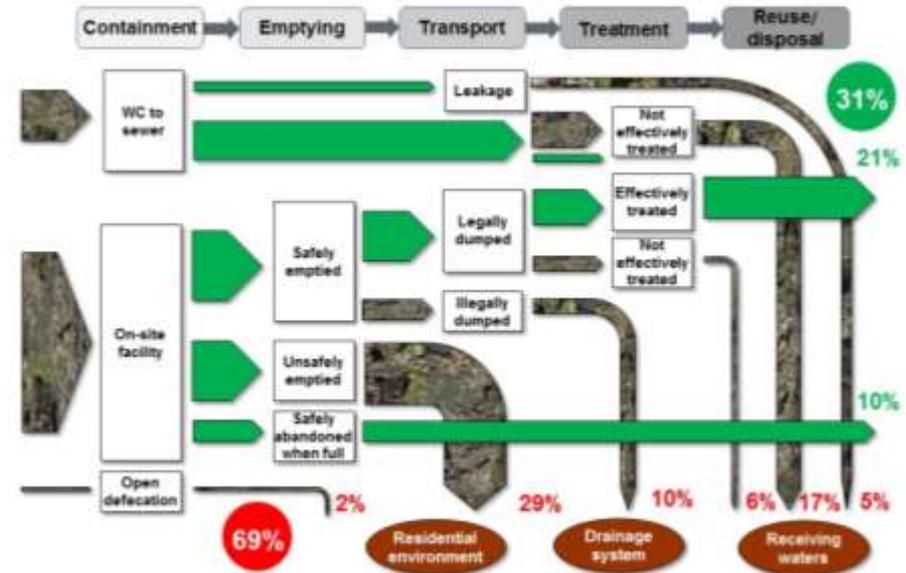


THE INTERVENTION: 4 COMPONENTS



RESULTS SO FAR

- **50 percent increase** in sludge received by FSTPs
- **15% drop in cost** for mechanized emptying service
- **FSTPs make profit** after privatization
- **14 Operators** have upgraded trucks



NEXT STEPS AND KEY MESSAGES

- Pilot FS Processor (more recovery, more value; picture)
- Reach full city through call center
- Replicate to other cities in Senegal, elsewhere

Key Drivers of Success:

- Detailed analysis identified critical parts of sanitation chain requiring support
- Strong, capable utility (ONAS)
- Active and organized private sector providers
- **Institutional Clarity**



THANK YOU

