

REPUBLIQUE DU SENEGAL
MINISTRE DE L'HYDRAULIQUE ET DE L'ASSAINISSEMENT
OFFICE NATIONAL DE L'ASSAINISSEMENT DU SENEGAL (ONAS)



8th World water forum Brasilia 2018

Sanitation in Dakar, Senegal

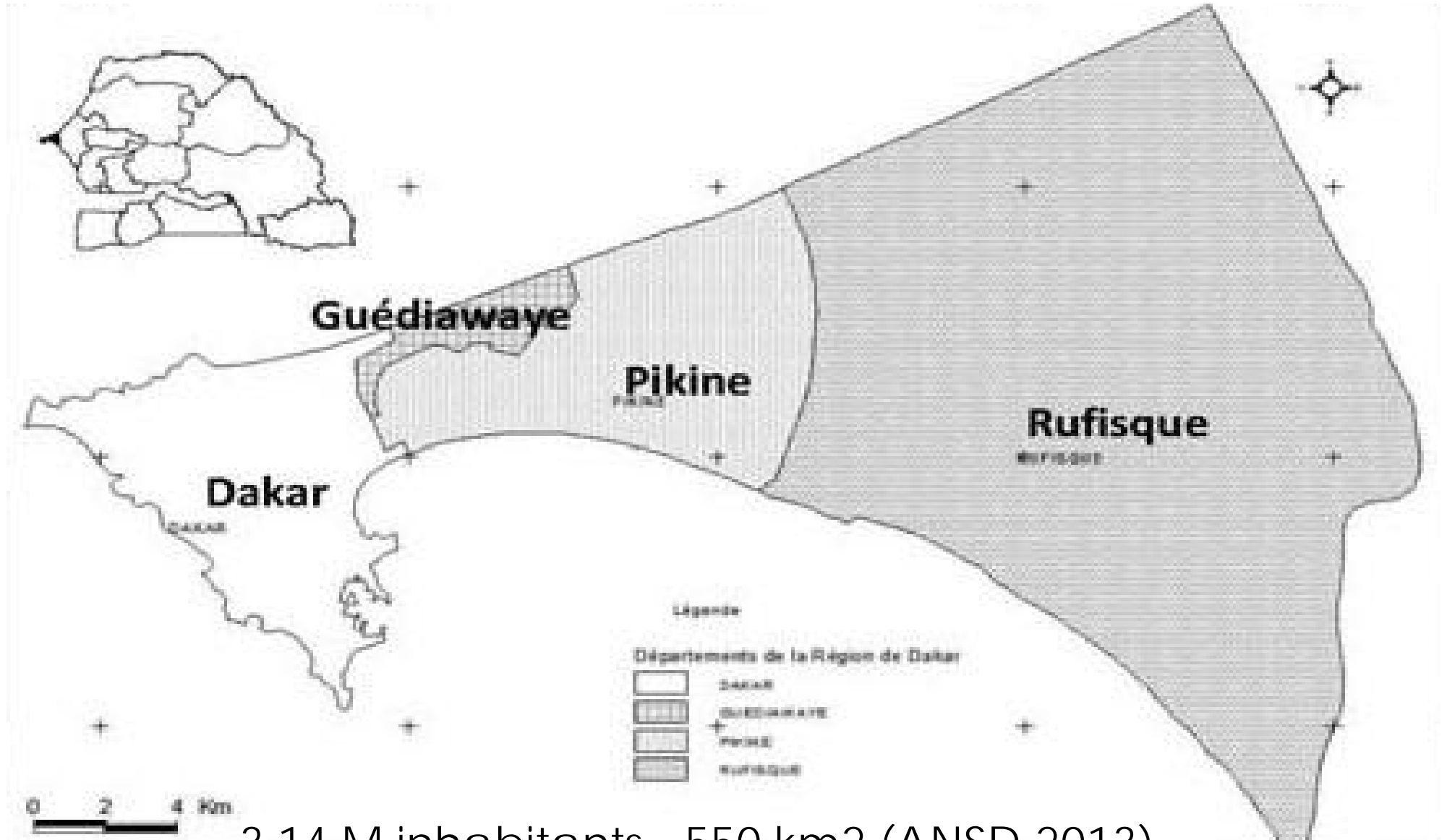
Mix of sanitation options – Zoning of the city

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THE CITY OF DAKAR

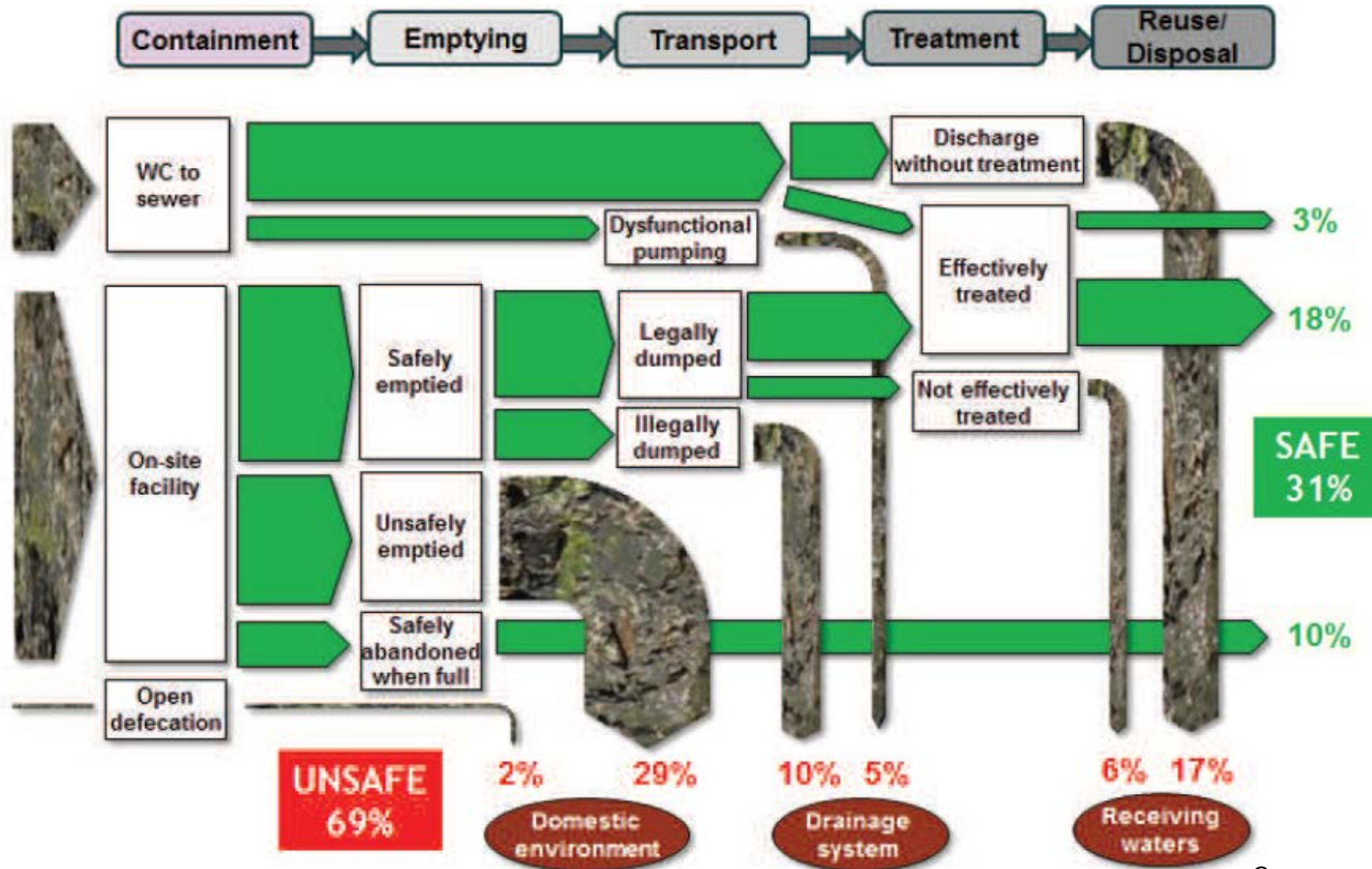


3.14 M inhabitants - 550 km² (ANSD 2013)

KEY SANITATION FIGURES


- 25% connected to sewerage vs 75% using on-site systems
- 1100 km of conventional sewerage
- 212 km small diameter gravity sewerage
- 05 Wastewater treatment plants – 42 300 m³ of WW /day
- 04 Fecal sludge treatment plants – 1 500 m³ of FS /day
- ~200 vacuum trucks (100% owned by private)

SHIT FLOW DIAGRAM OF DAKAR



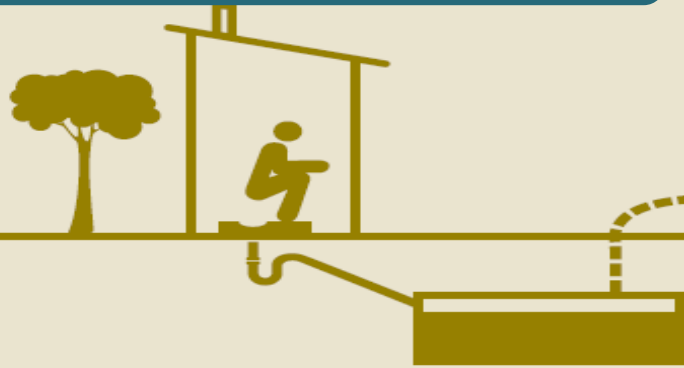


SANITATION APPROACH

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- Considering all segments of the Service Chain
 - Strengthening & Inclusiveness of the local private sector
 - PPP for O&M of treatment plants
 - Guaranty fund for emptiers
 - Research & Innovation in Technologies and management
 - Improvement of households access to quality service
 - Enhancement of sanitation infrastructures
 - Focus in Fecal sludge management

FSM PROGRAM IN DAKAR

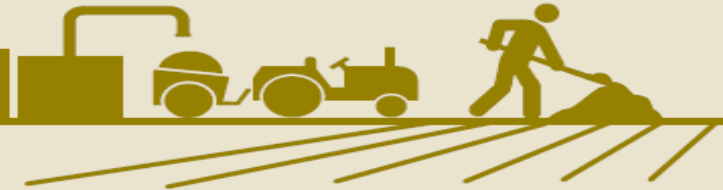
CAPTURE / STORAGE



TRANSPORT



TREATMENT & REUSE



- Innovative Toilets for flood prone areas
- Funding mechanism for poor
- Communication campaign
- Call center

- Guaranty fund for operators (30 trucks)
- Regulation of business (licensing)
- Fighting illegal dumping

- O&M by private
- A new treatment plant (400 m3)
- Omniprocessor (WTE unit)
- Reuse in agriculture & construction

ZONING & SANITATION OPTIONS

MASTER PLANS

Irregular areas

On-site sanitation (OSS) & Fecal sludge management (FSM)

Planned areas

Conventional Sewerage (CSS), OSS & FSM

Difficult conditions areas

OSS & FSM, Small Diameter Gravity Systems (SDGS)

Flood prone areas

Innovative OSS & FSM, SDGS, CSS





***THANK YOU FOR YOUR
ATTENTION***