



Helping You Understand Where the Problem is in your Sanitation Value Chain



Grant Mackintosh, Emanti Management













Content

ATER ESEARCH MMISSION

- 1. SA Brief Background
- 2. SA Approach & Learnings
- 3. Way Forward: SFD



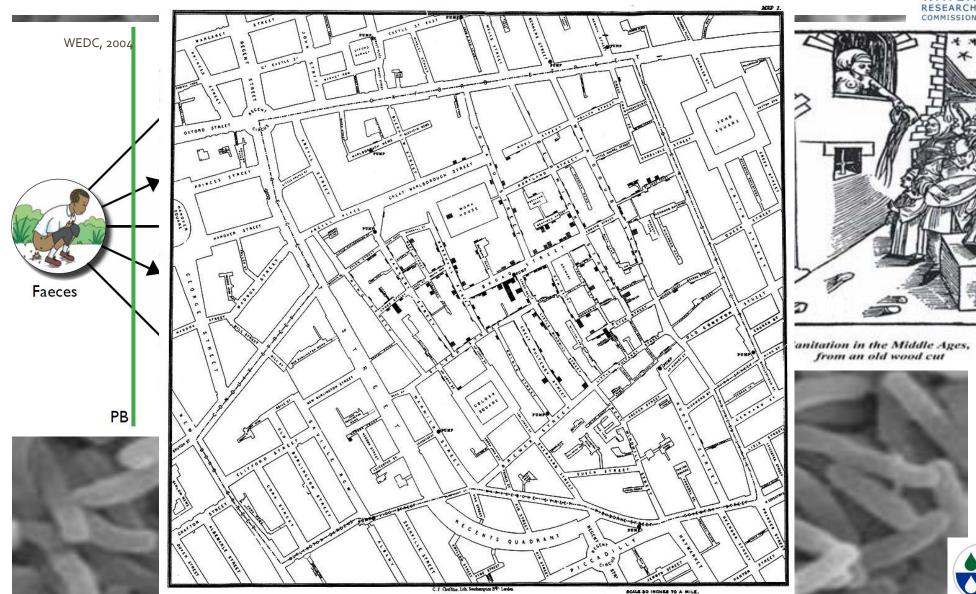


Sanitation: Key Barrier to Disease



NAME AND





Sanitation -

Historically Cinderella of Municipal Services



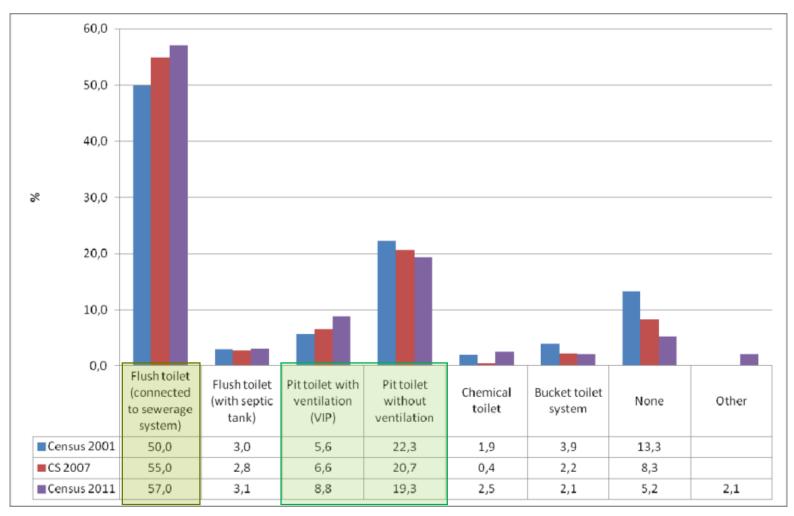




SA Sanitation: Binary Paradigm







Statistics South Africa (2011)



Municipal Challenges / SFD Opportunities





- Regulatory Blue Drop, Green Drop and No Drop
 - No Sanitation "Brown Drop": YET
- Of 824 odd WWTW's; more than 50% of municipal works in a poor/critical condition
- Large roll out of household VIP latrines in South Africa
 - Most municipalities have inadequate planning, policies & procedures for management, O&M budget
 - 60% facilities conducting reactive maintenance; 40% inadequate maintenance capacity
- 14.1 million people do not have access to safe sanitation.

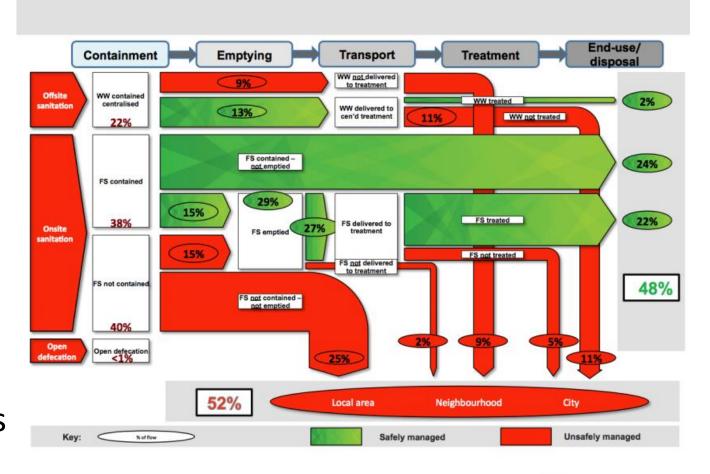




The Starting Point of the SFD: Municipal Planning: What is my Baseline? How do I easily communicate?



- Clear picture of WW and FSM services delivery
- How much and what is / is not treated
- Supports technical decisionmaking, planning and programming
- Also for non-technical stakeholders
- Easy to follow advocacy tool



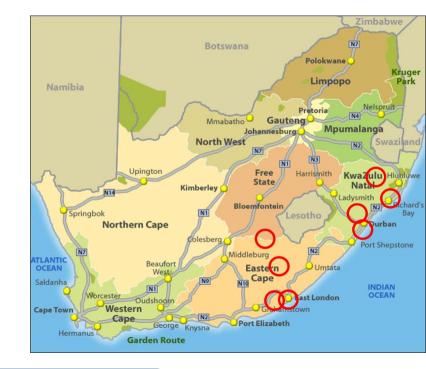


WRC SFD "Catalyst Initiative"





- Develop SFDs for "starter municipalities"
- Working with, and drawing on the lessons of:
 - eThekwini Water and Sanitation (EWS)
 - SuSANA (SFD tool)
 - CSE (partner of WRC)
 - Build on national Municipal Benchmarking
 - Build on WSPs / W2RAP / Sanitation Safety Plans
- 10 RSA SFDs developed to-date: Fast-track Lessons



Introduce SFDs
to the sector/
Sensitise the
sector and
municipalities
about SFDs to
get buy in

Prepare to meet participating municipalities and develop SFDs

Conduct site visits and on site municipal interactions

Develop SFD Report



1. Focus on "Volunteer Municipalities"

- Targeting National Priority Municipalities
- Launched via SALGA/WRC Municipal Benchmarking Master Class workshops (Eastern Cape, Kwa-Zulu Natal)
- Two-day programme
 - Sector stakeholders (e.g. DWS, COGTA, SALGA,
 WRC, consultants, municipalities)
 - Technical aspects of SFD, hands-on/role-playing exercises
- → Municipal Commitment to participate
- → Municipal Commitment to share SFD



2. Harness a "Co-Create Approach" to SFD





Data Harvesting Harvest existing data (e.g. WSDP, IDP, STATSA, DWS, NT, etc.) Check (i) if data collected online is correct/appropriate, (ii) data gaps/availability

• Preliminary municipal engagements, including logistical arrangements



- Municipal status review/discussion, including presentation of "current view"
- Site selection and on-site assessment with municipal team
- Crafting the SFD graphic (1st order) and discussion
- SFD training and skills transfer to municipal team
- Actionables for joint completion of SFD
- Iterative interactions with municipality to close data/information gaps
- Development of draft report
- Submit draft report for review, amendments/additions by municipal team
- Finalise report on feedback received



2017-2022 INTEGRATED DEVELOPMENT PLAN



Assessment

Site Visit &

Co-Finalise Reports

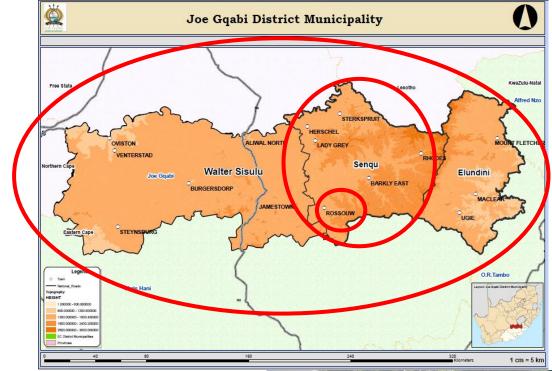


3. Engage with "Municipal Realities"

WATER



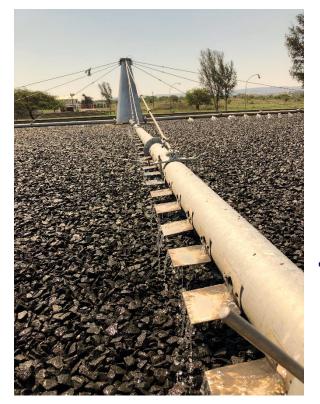
- Allow flexibility within area selection
 - Data availability
 - Areas with challenges
- Site visits crucial
 - Confirm terminology alignment/system understanding
- Data collection gaps commonplace
 - If you don't get data there and then, its difficult afterwards
 - Access to all stakeholders a challenge







4. Check does the SFD Report meet YOUR municipal requirements?



Largely YES, HOWEVER..

municipalities tabled the need for a Report and Process that Addresses the "So What" i.e. highlights scenarios, sets out remedial actions, assists in presenting to Municipal **Decision Makers &** tracks progress







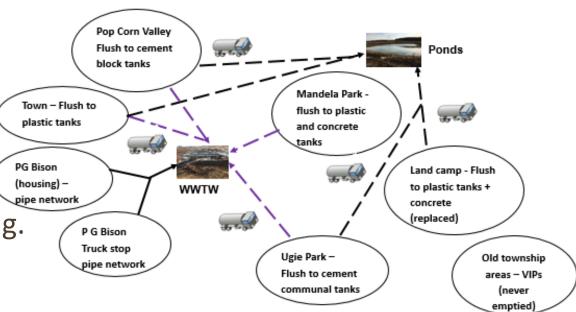


Ensure we Support the SO WHAT





- Demo "Scenario / Planning Options"
- Initiate and guide remedial actions within the municipality and its decision making structures
- Hence, included for municipal benefit:
 - Flow diagram
 - Wastewater sludge status and compliance
 - Current SFD and possible future scenario (e.g. without VIP emptying programme initiated)
 - HR, Water Conservation aspects
 - Remedial Action Plan
- Promote within Municipal Decision Makers
- Support SFDs updates to track status
 - Otherwise, how do we know if we are making a difference



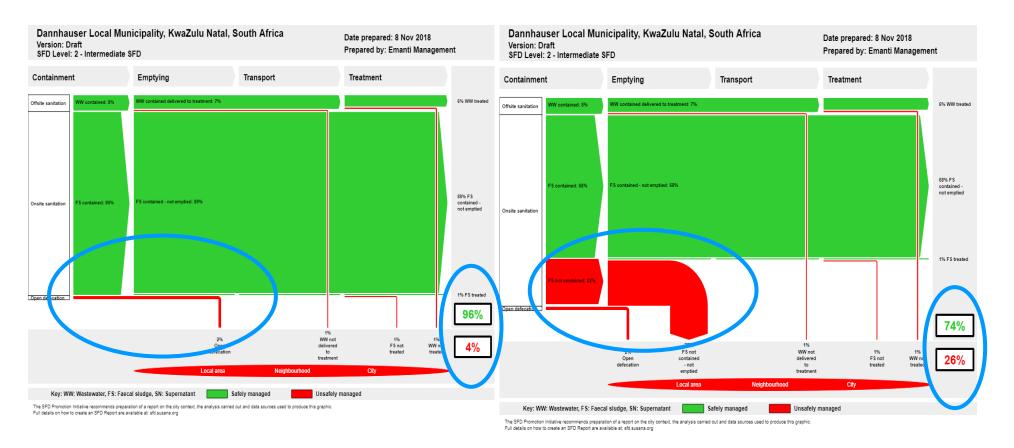


Municipal SFD Report: Adaptations





Project a Future scenario – e.g. no VIP emptying strategy/plan



 Wastewater sludge status/compliance – include "off-site sanitation treated effluent compliance" calculation

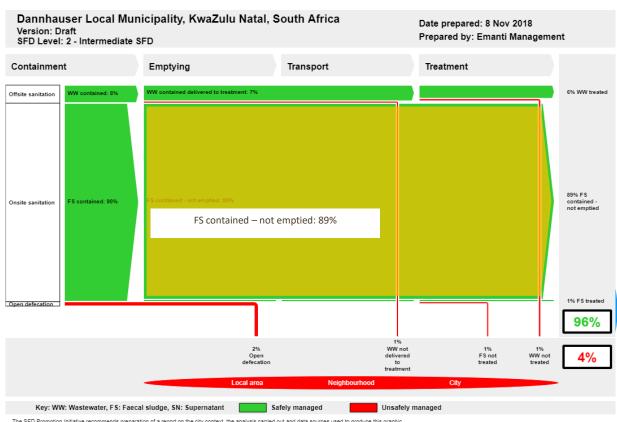


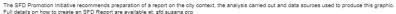
Municipal SFD Report: Adaptations

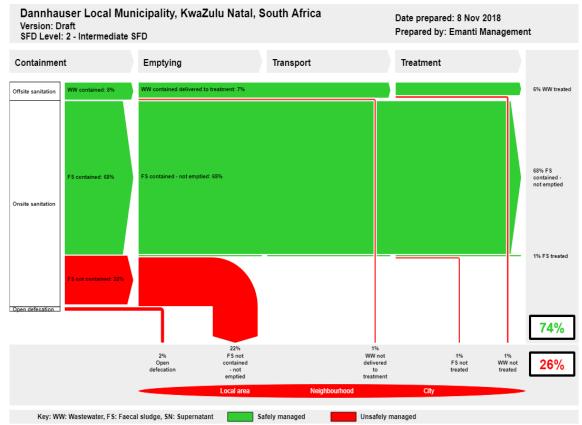




Highlight Risk (via an Amber) and Project a Future







The SFD Promotion Initiative recommends preparation of a report on the city context, the analysis carried out and data sources used to produce this graphic Full details on how to create an SFD Report are available at: std.susans.org



Support a First Order Remedial Action Plan





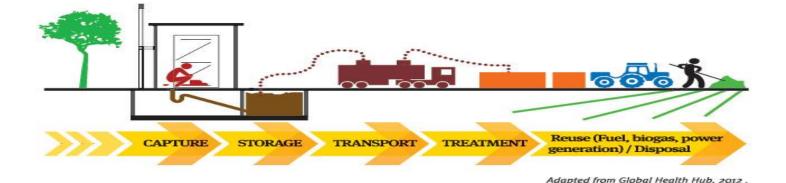
- Need to plan and motivate
- Keep simple
 - Why?
 - What?
 - Who?
 - When?
 - How much?
- Link to, for example,
 - REVAMP Tool and FSM Toolbox
 - "first order cost benefit analysis" of alternate interventions

Shit/Excreta Flow Diagram Action Plan						
Name of System/ Municipality						
Date:						
1. Containment	Status	Comments and Current Interventions	Agreed Action	Responsible Person (Who)	Completion Date (When)	Proposed Budget
2. Emptying	Status	Comments and Current Interventions	Agreed Action	Responsible Person (Who)	Completion (When)	Proposed Budget
3. Transport	Status	Comments and Current Interventions	Agreed Action	Responsible Person (Who)	Completion (When)	Proposed Budget
4. Treatment	Status	Comments and Current Interventions	Agreed Action	Responsible Person (Who)	Completion (When)	Proposed Budget
5. Reuse	Status	Comments and Current Interventions	Agreed Action	Responsible Person (Who)	Completion (When)	Proposed Budget



Supporting Key Stakeholder Communications

- Support participating municipalities in getting the most out of SFDs = drive awareness of Decision Makers
 - Muni Technical Team: technical director & team
 - Top Management Team CM, CFO, Mayor,
 - Elected Officials and Councillors
 - Public / ward awareness & Campaigns













Coming Soon ...

- Completion and Profiling of current SFDs
- Peer Engagements / Learnings amongst SFD Muni's
- Flipper Swim major National Initiatives: more SFDs
 - Presidential Economic Recovery and Growth Plan's "Priority 55"
 - Seed SFDs into upcoming "Operation Phakisa": Call to Action of National Water & Sanitation Master Plan
 - Water Resource Protection: Strategic Water Factories
- Harness Financial Leverage of National Treasury:
 - SFD proxy PIs to drive municipal awareness and budgets
 - Use a national SFD PI View for sector awareness and budgets
- Empowering Other Champions: Train the Trainer:
 - Department of Local Government & Support Agencies
 - Catchment Management Agencies
- Support SAFE via "SFD view" for rural schools and rural clinics



Workstream 1: Municipal Water and Sanitation Services

- 1.1 Reduce
 Demand and
 Increase Supply
- •1.2. Redistribution for Transformation
- 1.3 Managing effective water services and sanitation



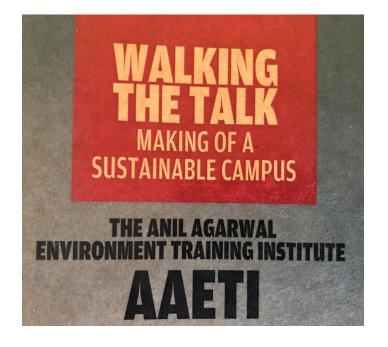














20

Muni SFD developments (inc. skills transfer)



Muni SFD developments (inc. skills transfer)



23