



SOLUTIONS, IDEAS, TOOLS, INNOVATION: TRANSFORMING SANITATION SERVICE DELIVERY

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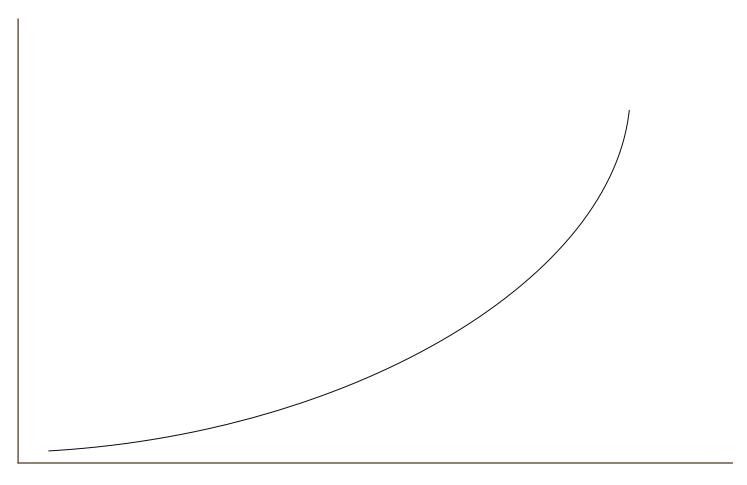
AGENDA

What does Transformation look like?

What could transforming sanitation look like?

Call to action!

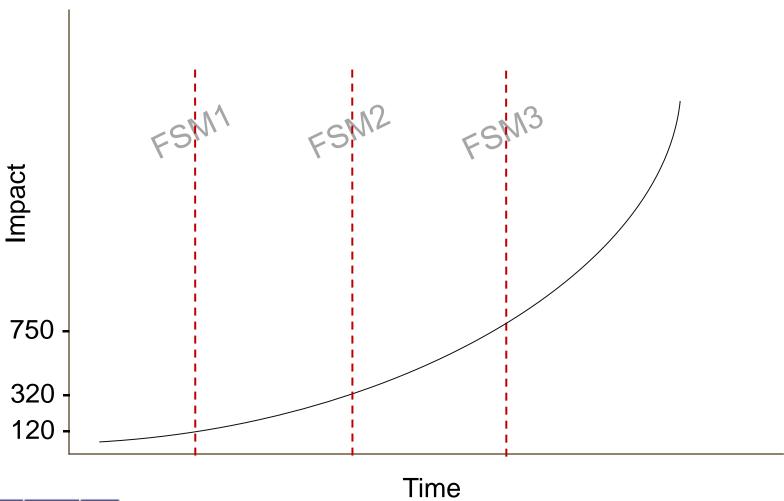






Time

TRANSFORMATION





TRANSFORMATION

What factors contribute? Health? Convenience? Sometimes ... Economics? Always ... What about **Aspiration**?



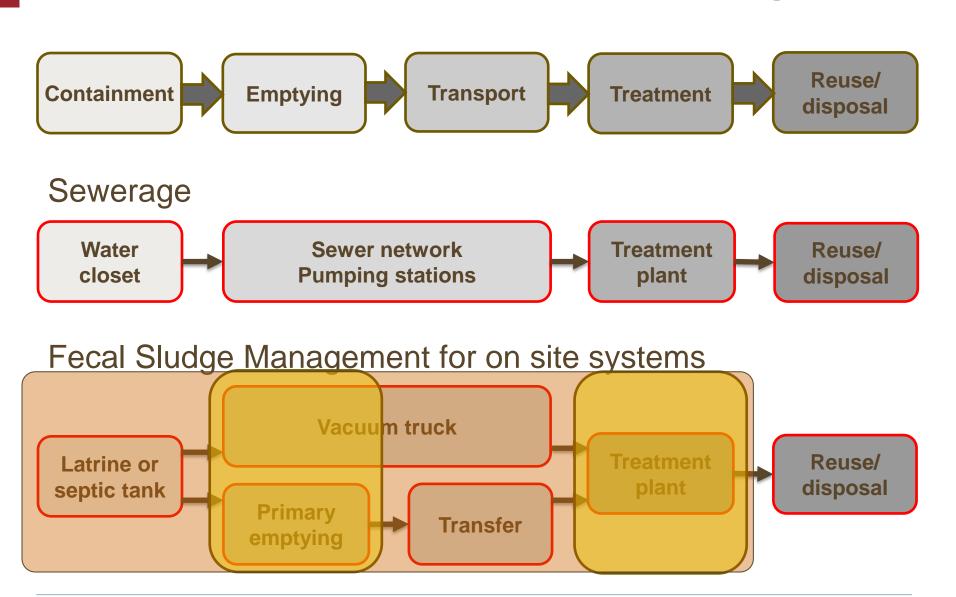
Time

npac

OUR ASPIRATION FOR NON-SEWERED SANITATION?

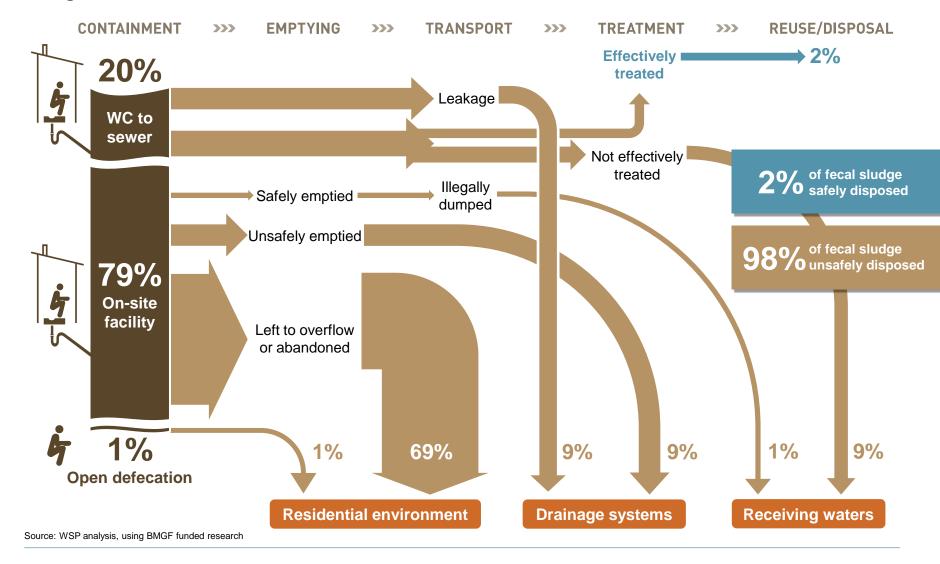
- Today there is only one "Gold Standard" for sanitation: the sewerconnected flush toilet
 - "Flush and forget" is incredibly appealing
- We need another Gold Standard that doesn't require sewer systems!
 - Not just much cheaper to build and operate
 - Just as aspirational!
- Can you remember any other time when everyone in developing countries aspired to a capital- and maintenance-intensive centralized service that was prevalent in developed countries?
- How many people in developing countries today are anxiously waiting for the fixed telephone connections to come to their community & their home?

Sanitation Service Chain: Innovation Targets



POOR INSTITUTIONAL OPEN DEFECATION

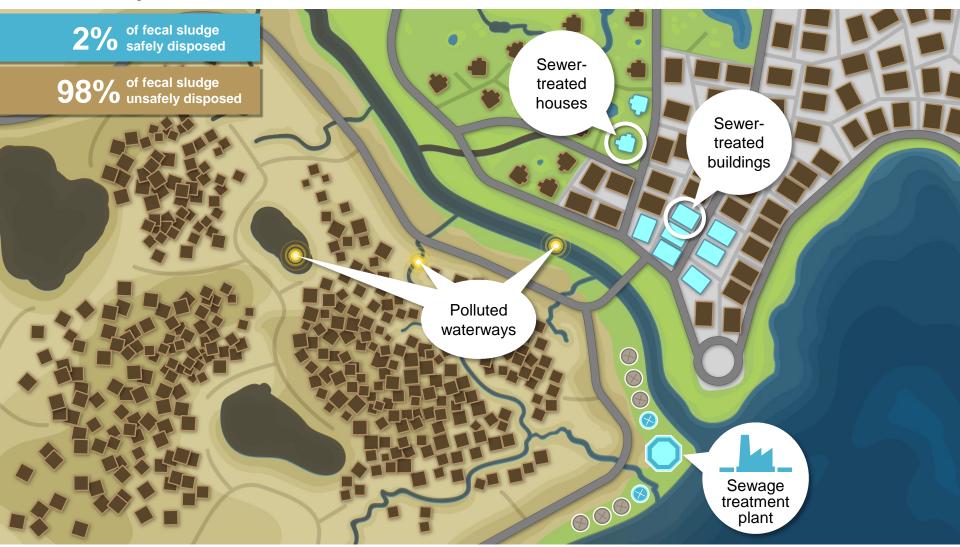
Sludge direct to the environment: no service chain



YEAR 0



YEAR 0













YEAR 4















YEAR 7









YEAR 10



WHAT WAS NECESSARY FOR TRANSFORMATION?

Call to Action!

- Political will
 - Interest from countries, states, cities accelerating
 - Citizen demand is essential
 - Success breeds success ... so share successes!
- Successful FSM planning
 - Requires sufficient human capacity
 - Development & sharing of expertise
 - Tools targeted to each phase (Diagnosis, Modeling, Implementation) and each critical role
 - Requires feedback loops that lead to refinement of plan
- Access to innovations
 - New approaches, business models, public/private partnership structures, ...
 - New technology options
 - New financing options

Thank you! Questions?

Vhat role