

Diagnostic Tools and Guidelines for Fecal Sludge Management

Update on the current WSP program

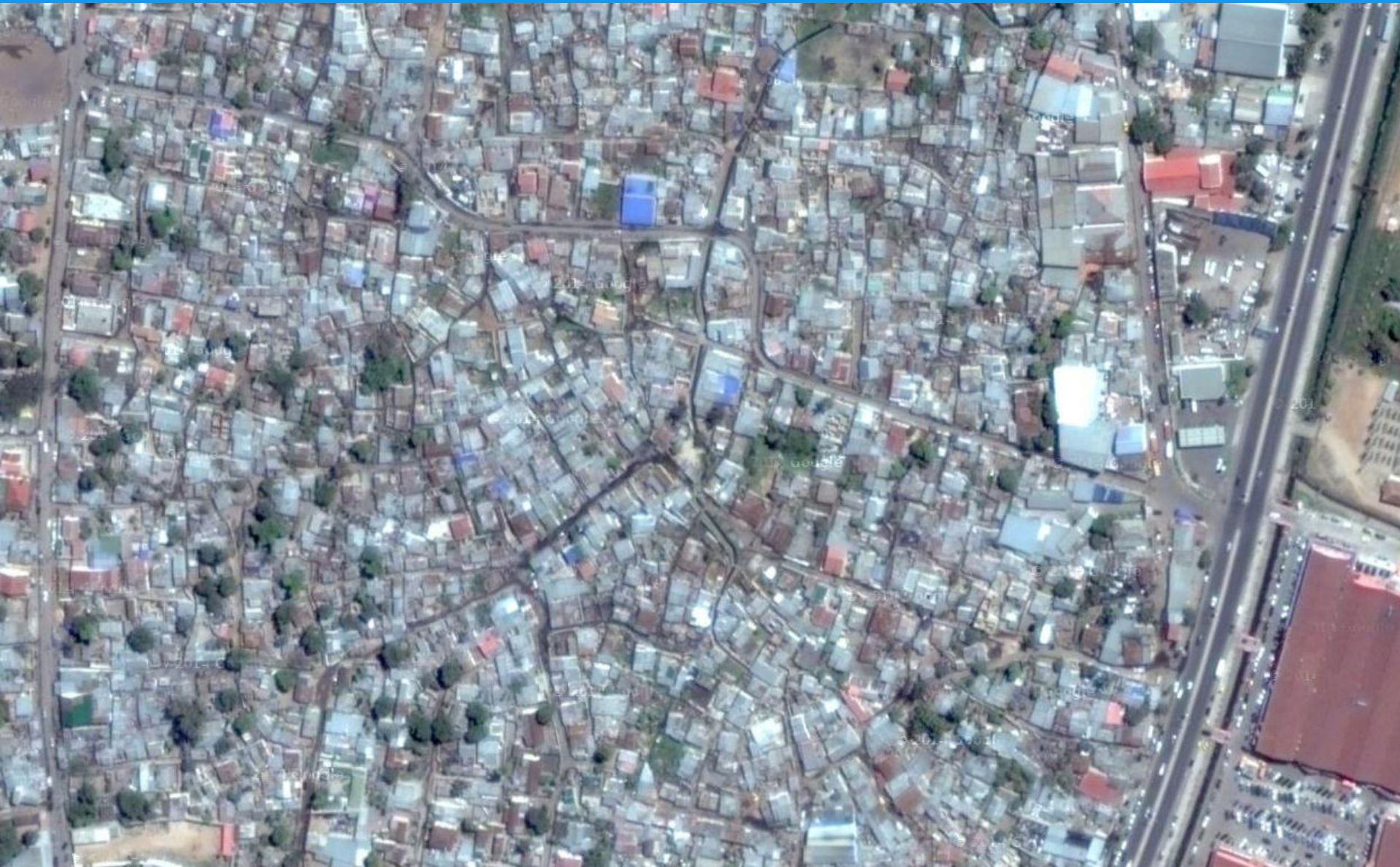
Peter Hawkins, Senior Water and Sanitation Specialist
FSM-3 Hanoi, 22 January 2015



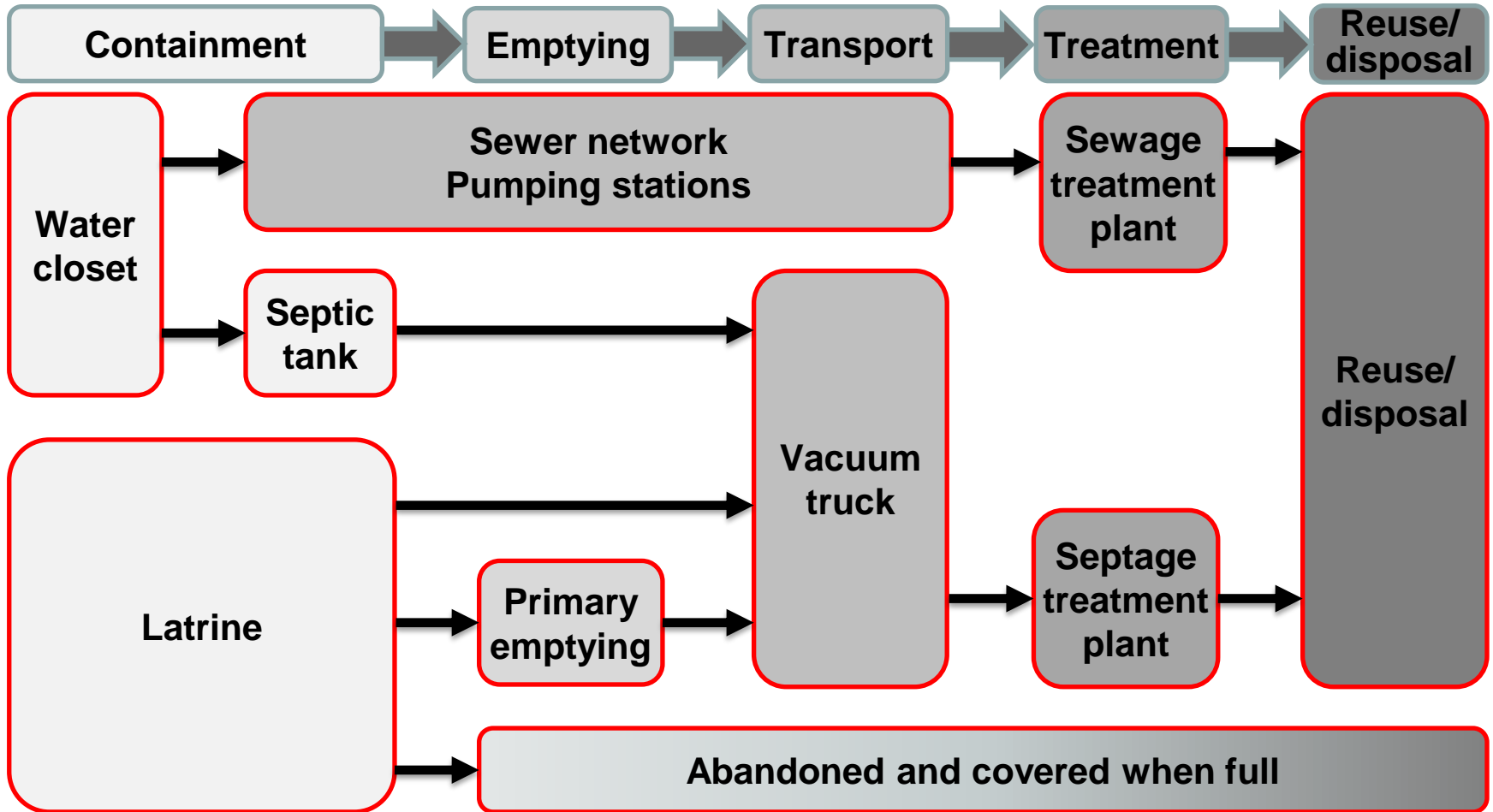
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Delivering Urban Sanitation Services

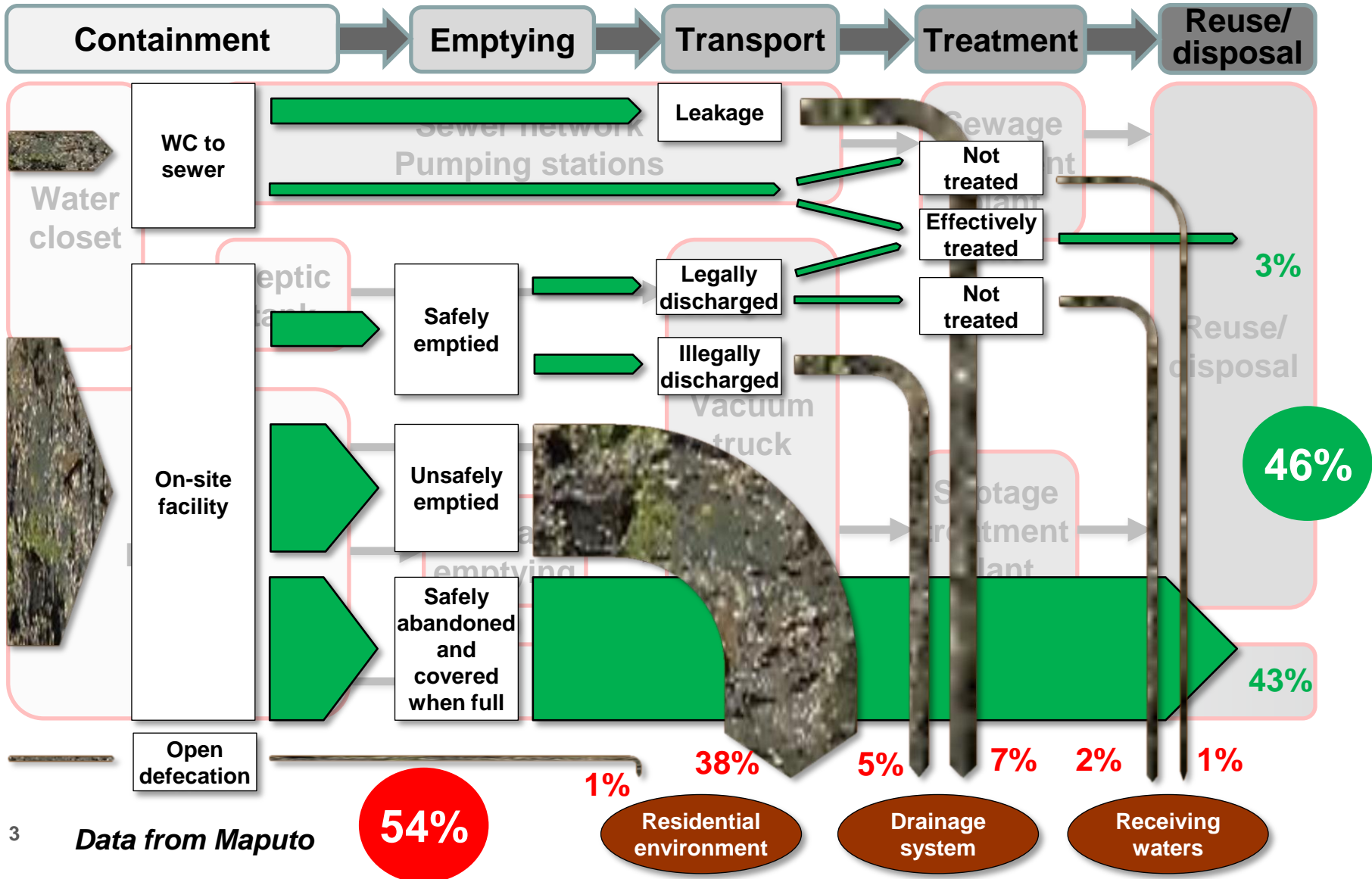


Delivering Urban Sanitation Services

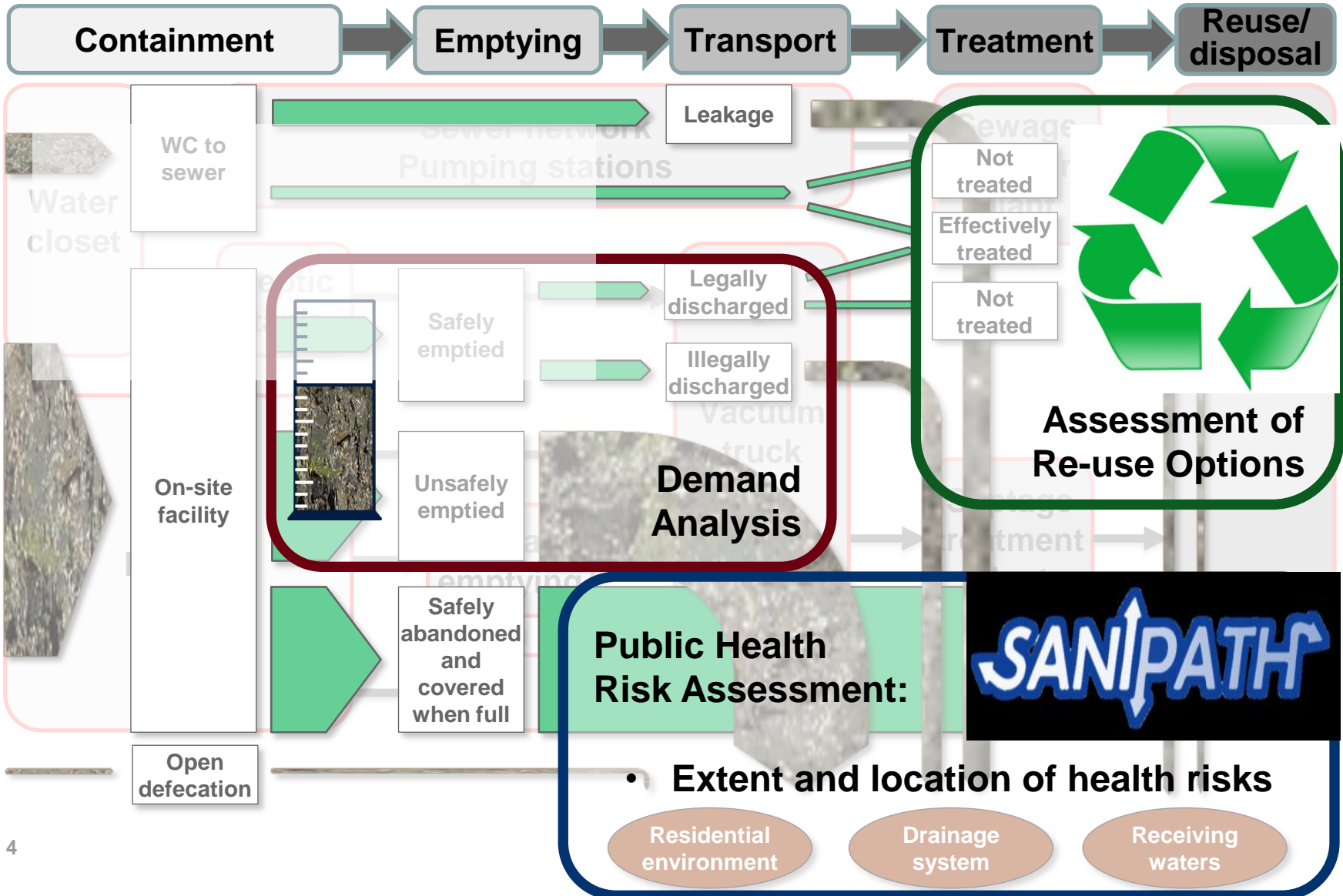


But how does it actually work in practice?

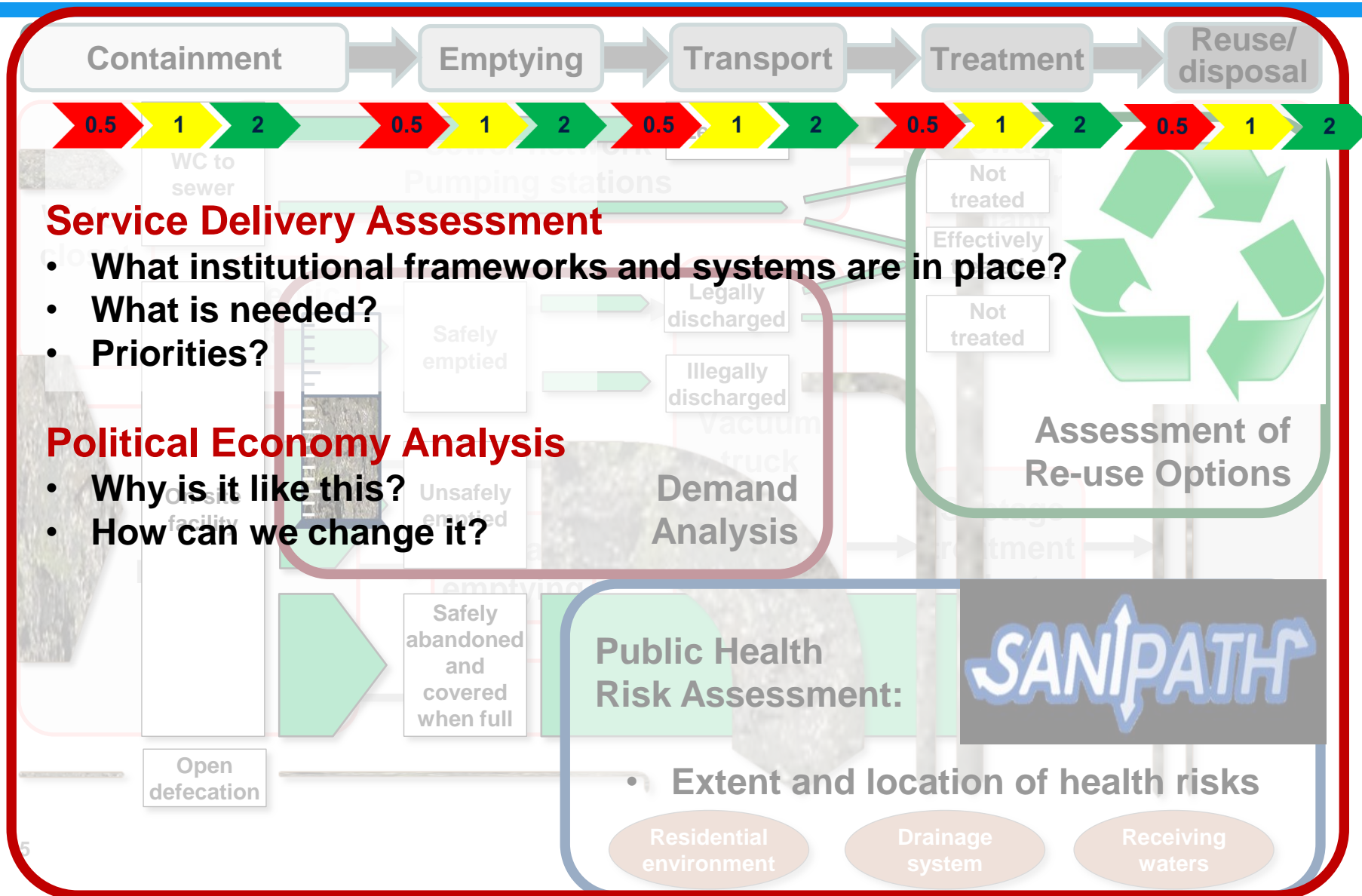
Fecal Waste Flows – the SFD



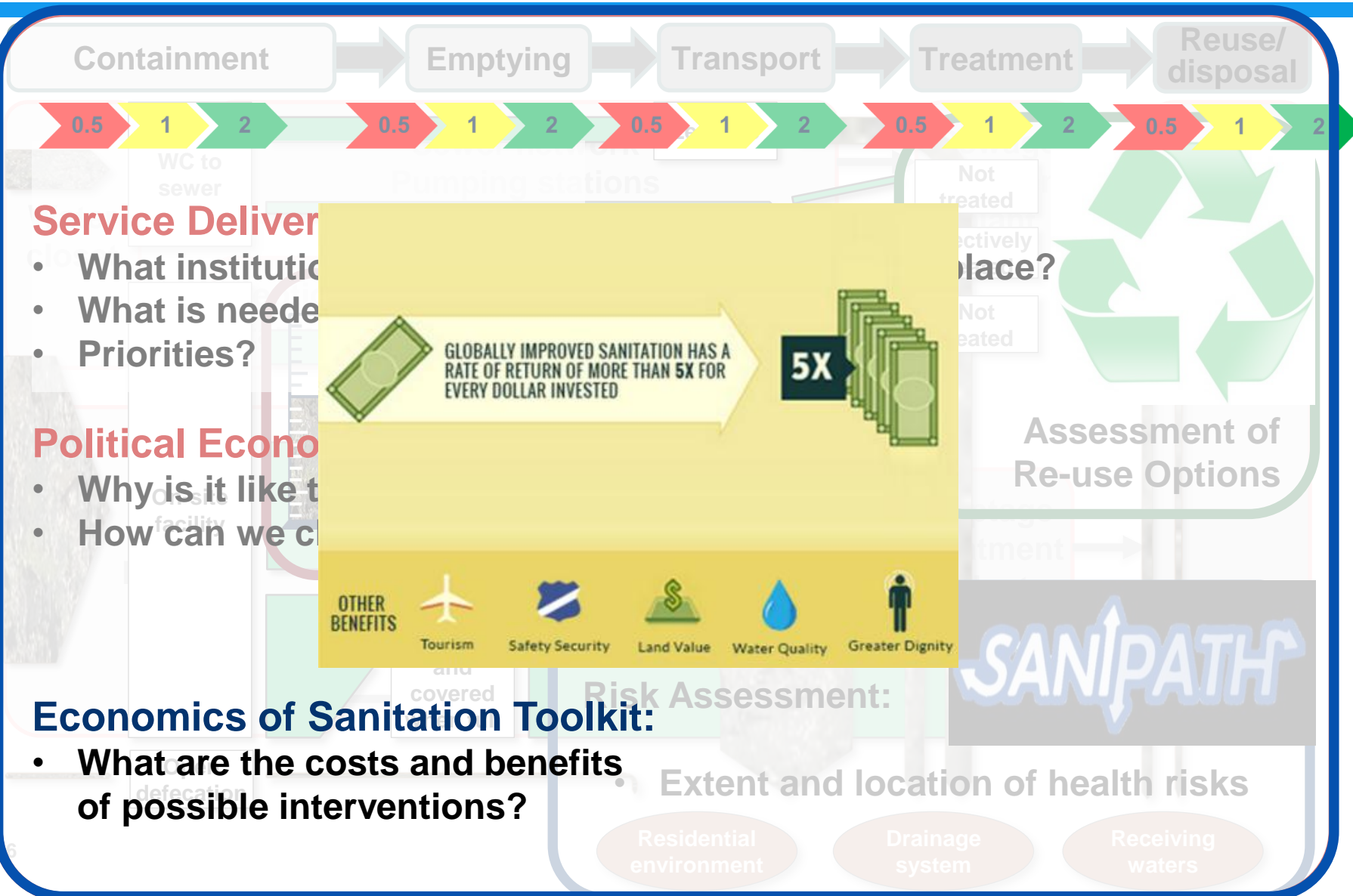
Diagnostic and Decision-making Tools (1)



Diagnostic and Decision-making Tools (2)



Diagnostic and Decision-making Tools (3)



Service Delivery

- What institutions are involved?
- What is needed for service delivery?
- Priorities?

Political Economy

- Why is it like that?
- How can we change it?

Economics of Sanitation Toolkit:

- What are the costs and benefits of possible interventions?

Risk Assessment:

Extent and location of health risks

Residential environment

Drainage system

Receiving waters

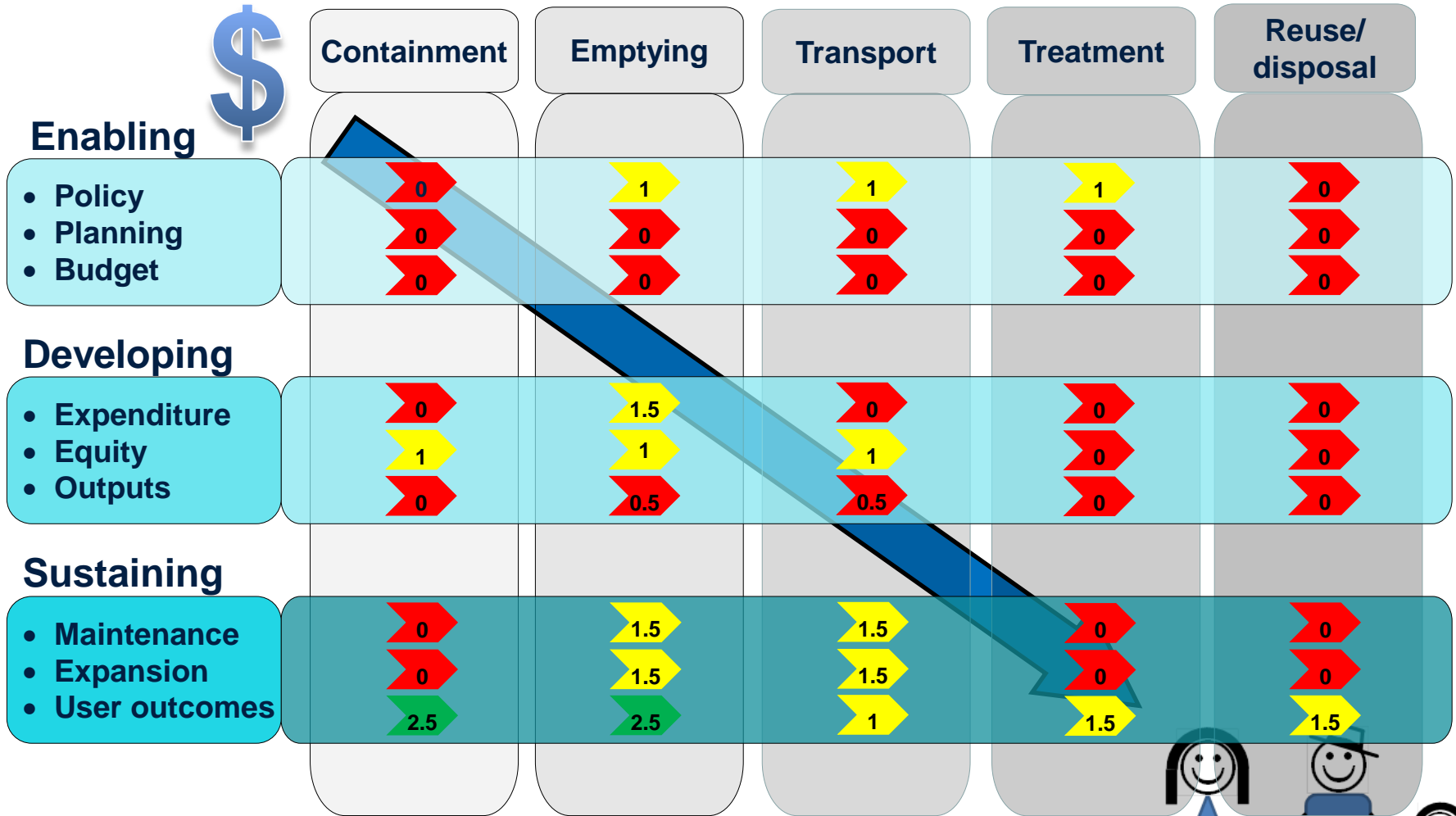
Service Delivery Assessment Framework

	Containment	Emptying	Transport	Treatment	Reuse/ disposal
<p>Enabling</p> <ul style="list-style-type: none"> • Policy • Planning • Budget 	<ul style="list-style-type: none"> - Is FSM recognized? Targets? Institutional roles? Private sector? Regulation? - Investment coordination and prioritization mechanisms? Implementation capacity? - Sufficient budget? FSM expenditure identifiable? 				
<p>Developing</p> <ul style="list-style-type: none"> • Expenditure • Equity • Outputs 	<ul style="list-style-type: none"> - How much is being invested in FSM? - Community engagement? FSM vs. other sanitation expenditure? Poor-inclusive? - Rate of growth and quality of FSM sufficient to make impact? Being monitored? 				
<p>Sustaining</p> <ul style="list-style-type: none"> • Maintenance • Expansion • User outcomes 	<ul style="list-style-type: none"> - O&M costs known and covered? Standards monitored and enforced? - Promotion of FSM? Planning expansion of services? Private sector development? - How much is the service chain “leaking”? Is it reaching the poor? 				

Example: Balikpapan



Service Delivery Assessment Framework



Example: Balikpapan



Political Economy Analysis

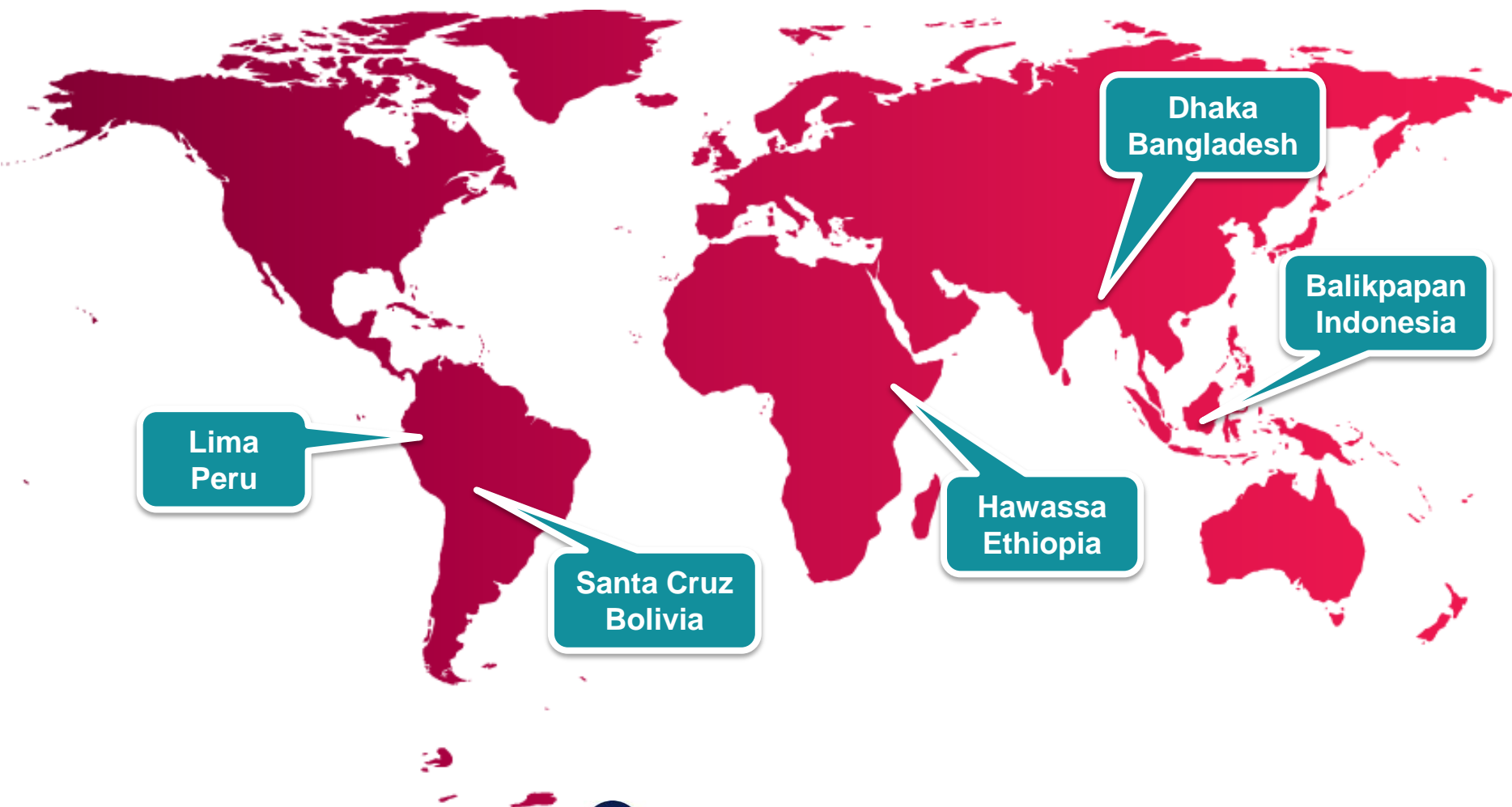
Who will be responsible for and interested in ensuring adequate FSM?

- Many stakeholders. Motivations? Coordination?
- Clarify roles and accountability relationships
- Both formal and informal processes and institutions
- Identify degrees of influence and interest
- Target key centers/individuals of influence
- Align interests for sustainability and 'win-win'
- Consider regulation, rewards, sanctions

Some Implications of this Approach

- By looking at the whole chain, an optimal mix of interventions can be made at different steps
- Shift from investment funding to focus on sustaining operations → more local and less donor funding?
- Need for a locally-based, incremental approach
- Need for more and better skilled staff on the ground
- Major refocusing of institutions (utilities, local authorities, regulator) will often be necessary

Cities for Tools Development



Current Status and Timeline

- Detailed studies in 5 cities:
 - Fieldwork complete in Balikpapan and Dhaka
 - In progress in Lima and Santa Cruz
 - Starts February in Hawassa
- Linked to WB investments for downstream learning
- Fieldwork to be complete by April 2015
- Economics tool – May 2015
- Case study reports – Aug 2015
- Draft tools and implementation guidelines – Nov 2015
- Final publications, website etc. – Feb 2016

Expected Output

- **Diagnostic tools:**
 - SFD *
 - SaniPath *
 - Sludge volume estimation
 - SDA
- **Project design inputs:**
 - Political Economy Analysis
 - Re-use potential and market analysis
 - Economic analysis *
- **Project implementation guidelines:**
 - City-wide diagnostics and planning, including informal settlements
 - Taking account of political and institutional realities on the ground
 - Addressing gaps in the enabling environment
 - Various target audiences
 - Synergies and linkages to growing number of initiatives



Thank You



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