

Introducing the Fecal Waste Flow Diagram Approach

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Where it Emerged From...

- ❑ Global review of urban sanitation experience*
- ❑ Secondary data and interviews on fecal sludge management from 12 developing country cities in four regions:**
 - **Traditional focus on sewerage** by IFIs and governments, but
 - **Most urban dwellers with sanitation access use on on-site systems:** <10% of urban Africa has sewer access
 - **Virtually all poor people** use informally managed on-site sanitation systems
 - **Failure to manage the whole sanitation service chain** results in gross fecal contamination of the environment

* Poor-inclusive Urban Sanitation: An Overview, 2013, World Bank - WSP

** The Missing Link in Sanitation Service Delivery, 2014 World Bank - WSP

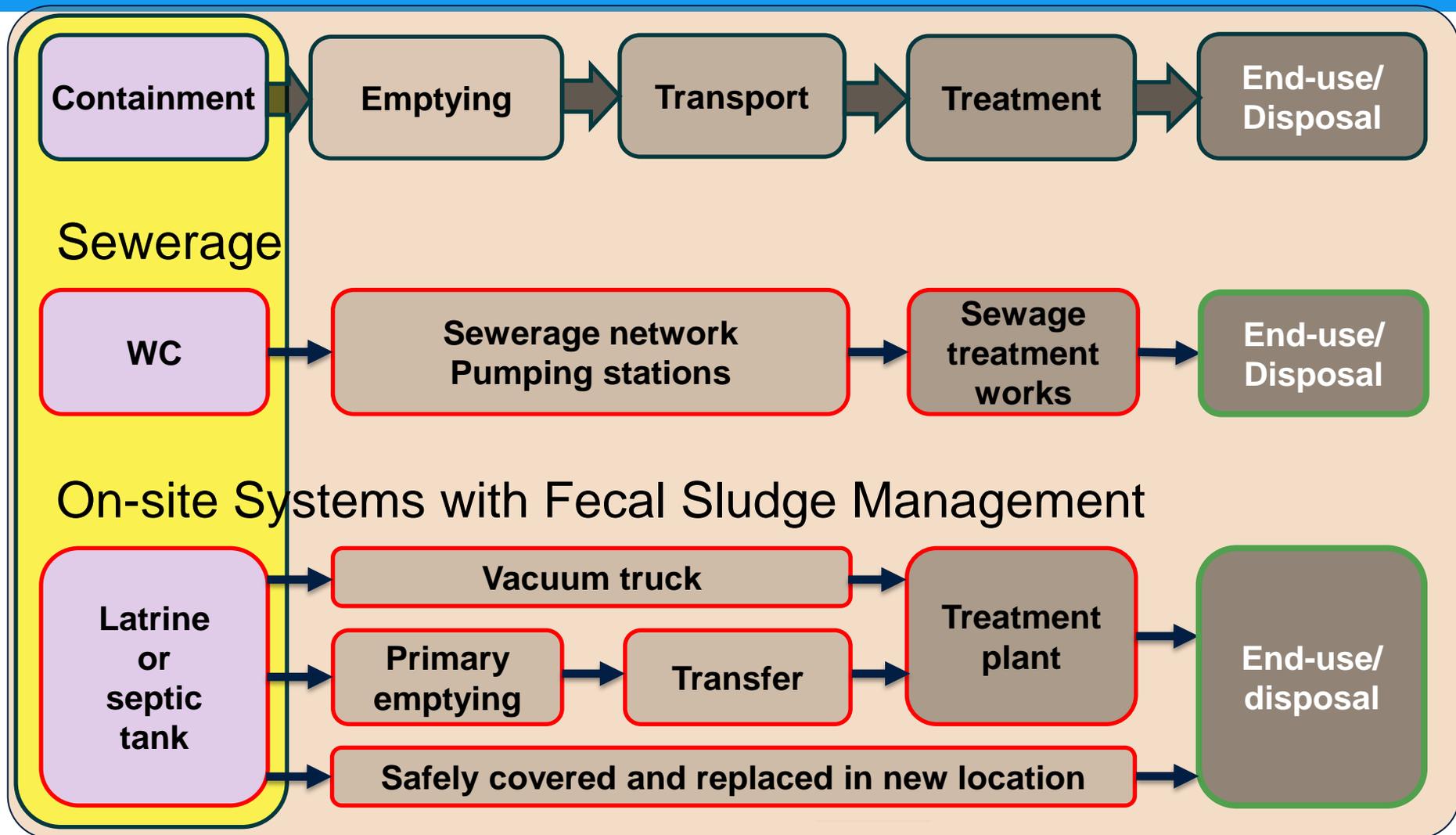
Results of the Status Quo

- ❑ Poor sanitation in informal areas not generally addressed, although often a major city-wide public health hazard
- ❑ Policy and spending usually biased towards sewerage – subsidies for the rich
- ❑ On-site systems often seen as a temporary solution and therefore neglected by city authorities and poorly managed
- ❑ Data on sanitation not collected city-wide so problems not properly identified and prioritized
- ❑ As usual, the main victims are poor people, women and other vulnerable groups

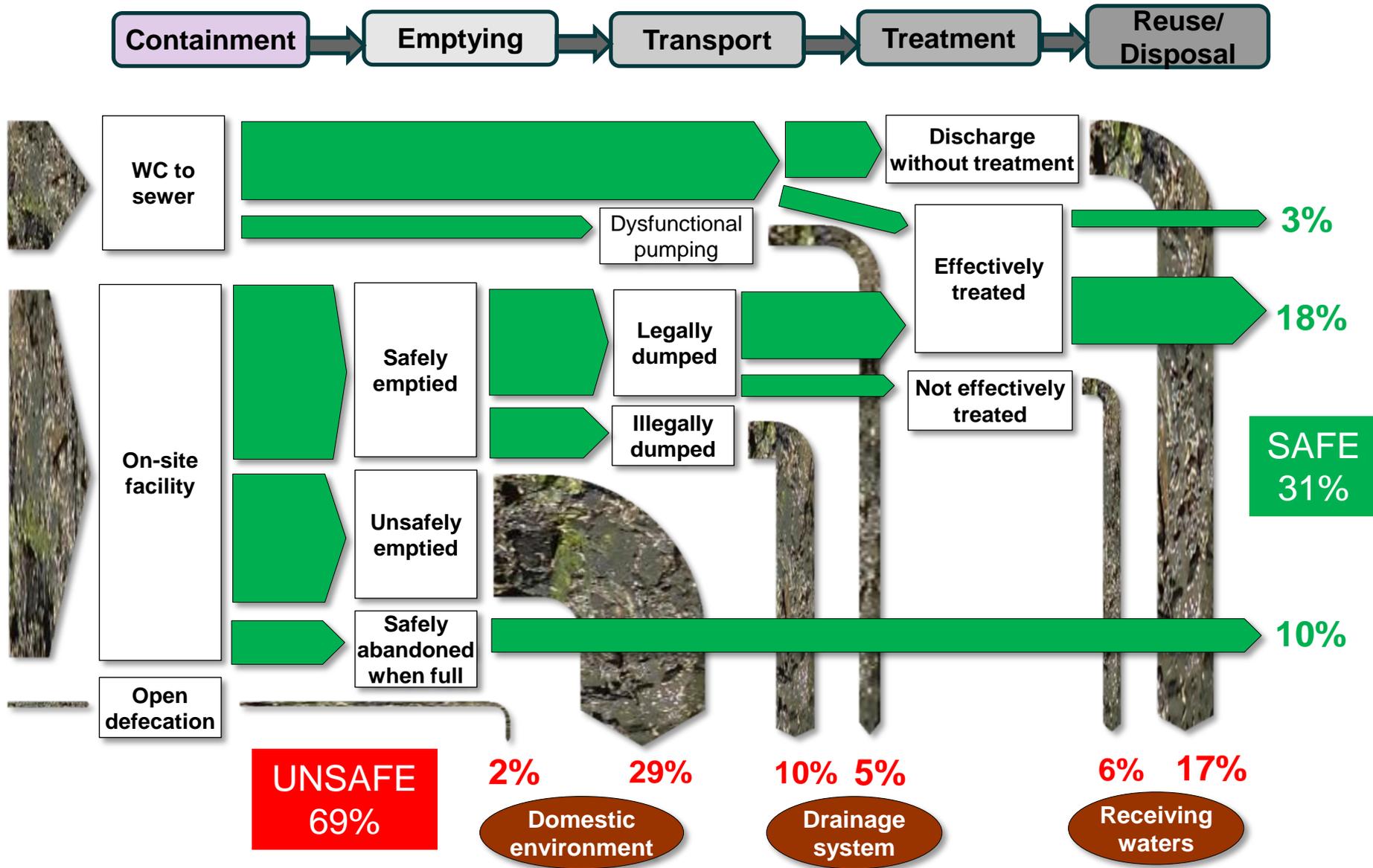
The Sanitation Service Chain

MDGs

Post-2015 SDG Proposals



Dakar, Senegal



What is a Fecal Waste Flow Diagram (SFD)?

□ It IS

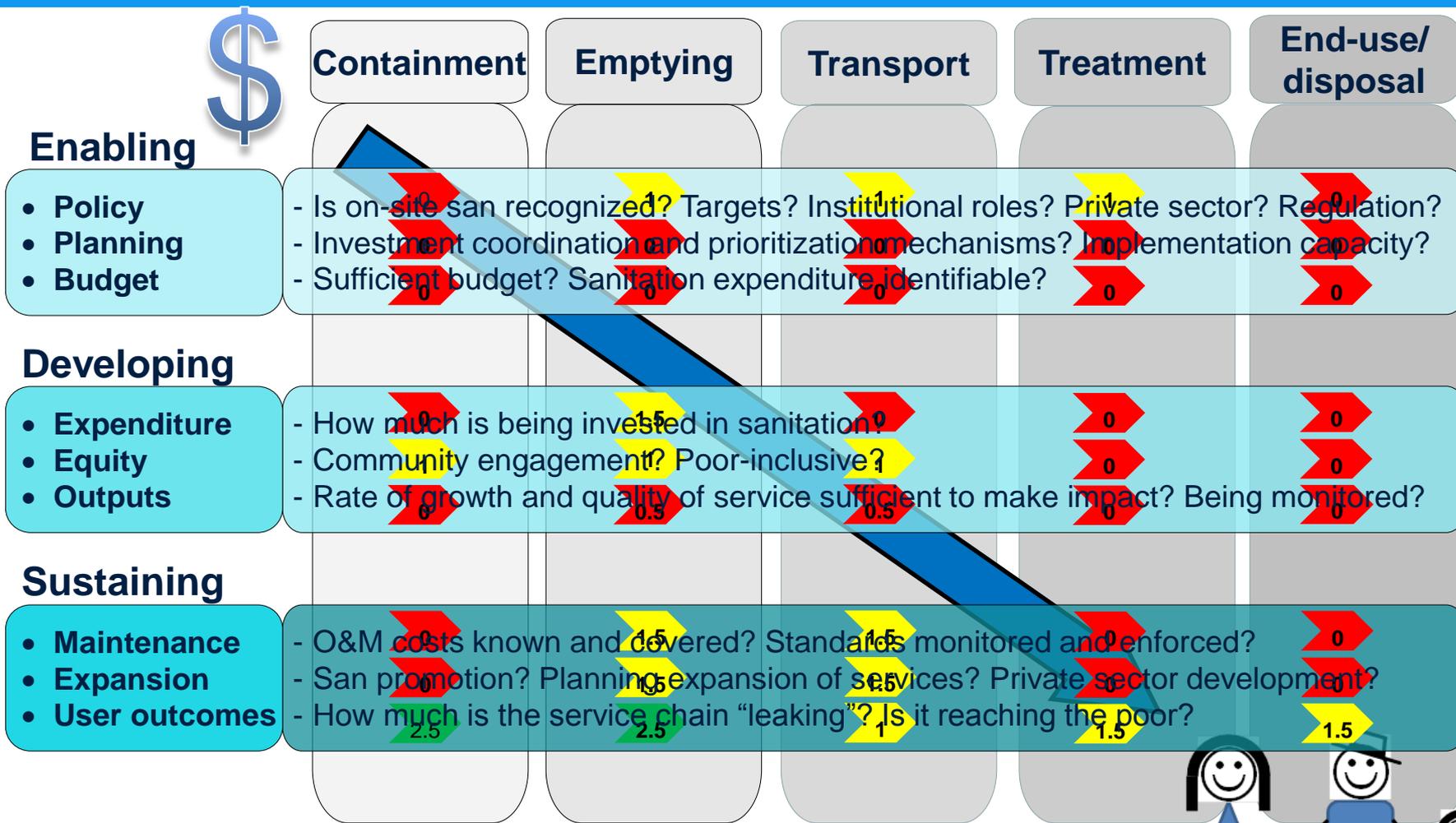
- An effective communications and advocacy tool
- A tool for engineers, planners and decision-makers
- Based on contributing populations and an indication of where their excreta goes
- A representation of public health ***hazard***
- An overview from which to develop sanitation priorities

□ It is NOT

- Based on volumes/mass – these are determined by other related factors
- A representation of public health ***risk***
(*risk = hazard x behavior*)
- A precise scientific analytical tool

Urban Context: Service Delivery Assessment

What systems exist and who is responsible?



Example: Balikpapan, Indonesia



The SFD Promotion Initiative – Origins

- First SFDs published by World Bank - WSP in 2014 to provide a concise overview of sanitation in a city
- Proving to be very effective for advocacy, intuitively understood by both decision-makers, technical professionals
- Well received by sanitation practitioners globally, and spontaneously adopted by many
- Promotion initiative
 - Disseminate the approach
 - Provide technical support guidelines and tools
 - Maintain its credibility
 - Benchmarking and progress monitoring

The SFD Promotion Initiative – Partners

- GIZ/SuSanA – coordinator
- Centre for Science and Environment (CSE), Delhi
- SANDEC/EAWAG, Switzerland
- University of Leeds, UK
- WEDC/University of Loughborough, UK
- World Bank Global Water Practice – Water and Sanitation Program
- Bill & Melinda Gates Foundation – funding

The SFD Promotion Initiative – Objectives

- Develop an interactive web platform hosted by SuSanA:
 - Drafting tool, blank templates, guidance documents, interactive training package
 - Uploaded SFDs with quality controlled by a SuSanA Task Force
 - Fully searchable via both text and an interactive map of cities with an SFD
- Continuously develop, document and disseminate SFD progress

The SFD Promotion Initiative – Phasing

- Phase 1: February 2016
 - Draft methodology and tools
 - Establish website
 - Upload 50 quality-controlled SFDs
- Phase 2:
 - Refine methodology, tools and templates
 - Develop guidance documents and interactive training package
 - Establish Task Force to moderate website
 - Receive and quality control SFDs for posting on website



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On behalf of



Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



Federal Ministry
for Economic Cooperation
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