



IV LATINOSAN
CONFERENCIA LATINOAMERICANA
DE **SANEAMIENTO**
PERÚ 2016



MINISTERIO DE
VIVIENDA
CONSTRUCCIÓN Y
SANEAMIENTO

SFD – UNA HERRAMIENTA PARA FOMENTAR LA PROGRAMACIÓN SOSTENIBLE DE LO SANEAMIENTO URBANO

Cecilia Rodrigues
SuSanA – Alianza de Saneamiento Sostenible
GIZ



Contenido



- Introducción SuSanA
- Antecedentes en saneamiento urbano
- Introducción del enfoque SFDs
- La metodología y herramientas
- Experiencias con los SFDs
- Perspectivas futuras

SuSanA – Alianza de Saneamiento Sostenible



- SuSanA es una red informal de los que comparten una visión común sobre el saneamiento sostenible.
- Funciona como una plataforma de coordinación, plataforma de trabajo, participante en el dialogo de políticas en saneamiento sostenible y como un “catalizador”.
- La meta general de SuSanA es contribuir a la consecución de los ODM/ODS, mediante la promoción de sistemas de saneamiento que consideren todos los aspectos de la sostenibilidad.
- SuSanA actualmente se compone de más de 6000 miembros individuales, 265 organizaciones asociadas

sustainable
sanitation
alliance



Antecedentes



- Foco en sistemas del alcantarillado por instituciones financieras internacionales y gobiernos
- Prácticamente toda la gente pobre usa sistemas de saneamiento in-situ que son manejados informalmente
- Fracaso en manejar cada parte de la cadena de servicios de saneamiento resulta en una gran contaminación fecal del medio ambiente

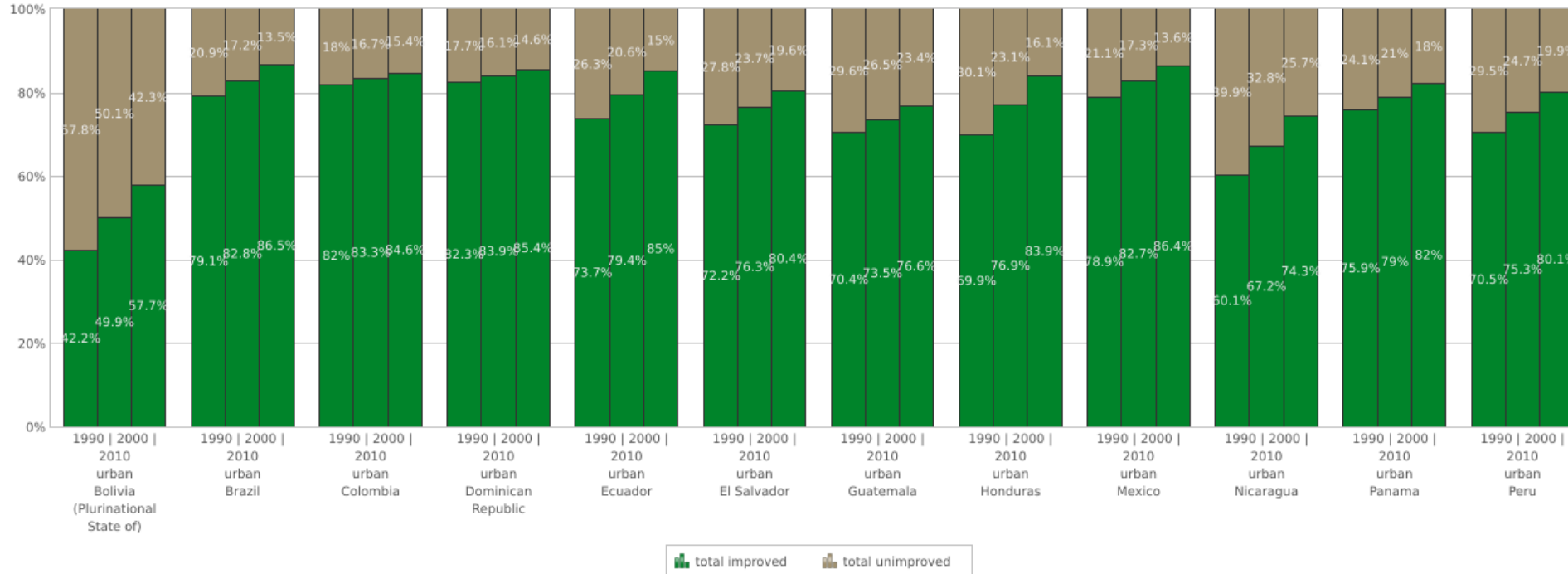
* A Review of Fecal Sludge Management in 12 Cities. Unpublished report, 2013 World Bank - WSP

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

Saneamiento urbano en América Latina



Percentage of population with access to sanitation in 1990 - 2000 - 2010
 Bolivia (Plurinational State of), Brazil, Colombia, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru



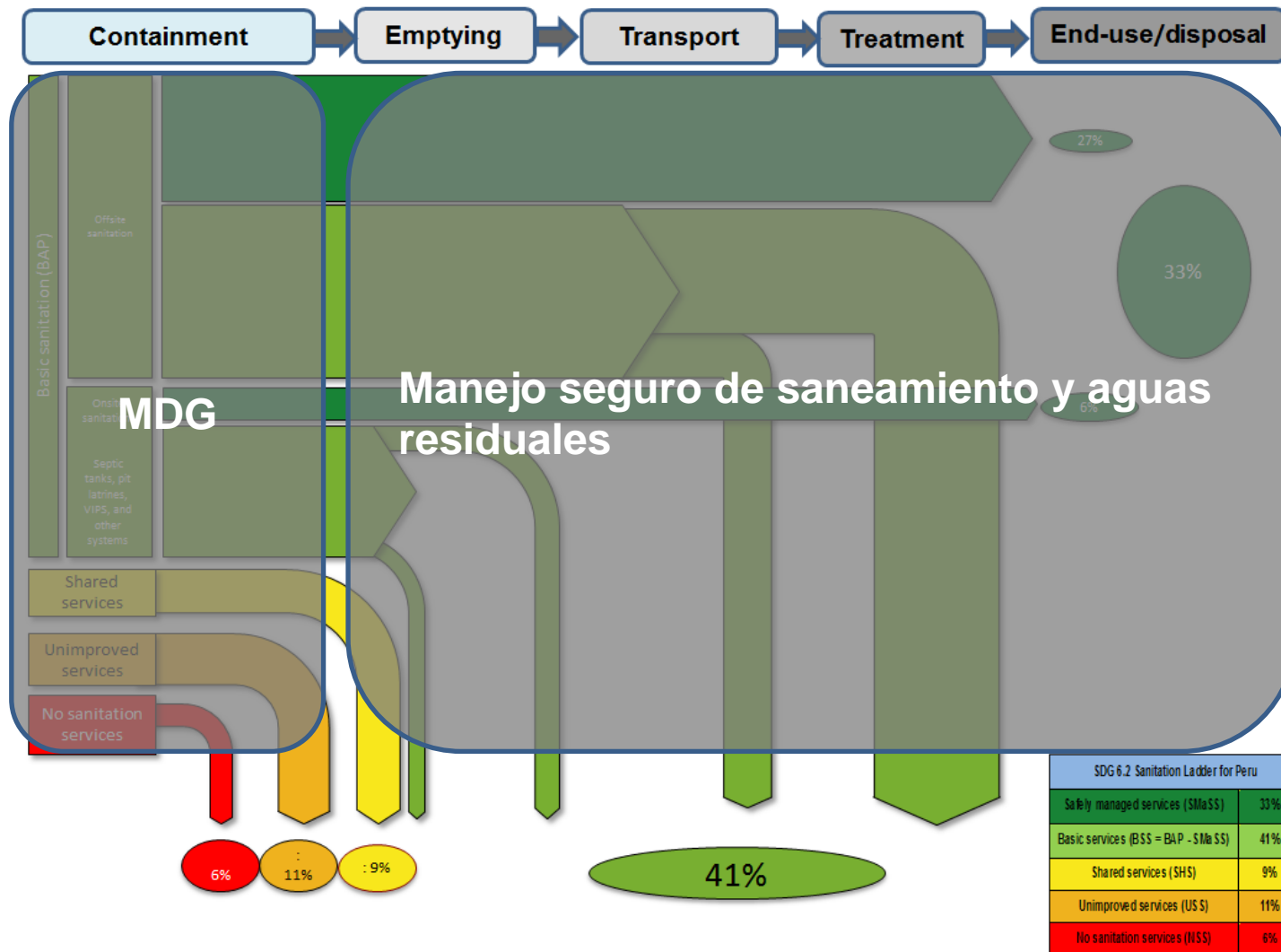
* JMP

sustainable sanitation alliance





Los ODS



* JMP

Iniciativa de Promoción del SFD



SFD Promotion Initiative

sustainable
sanitation
alliance

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

On behalf of

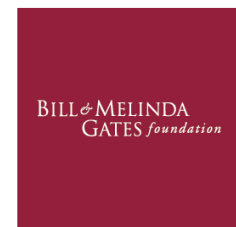


Federal Ministry
for Economic Cooperation
and Development



eawag
aquatic research ^{ooo}

Sandec
Sanitation, Water and
Solid Waste for Development



sustainable
sanitation
alliance



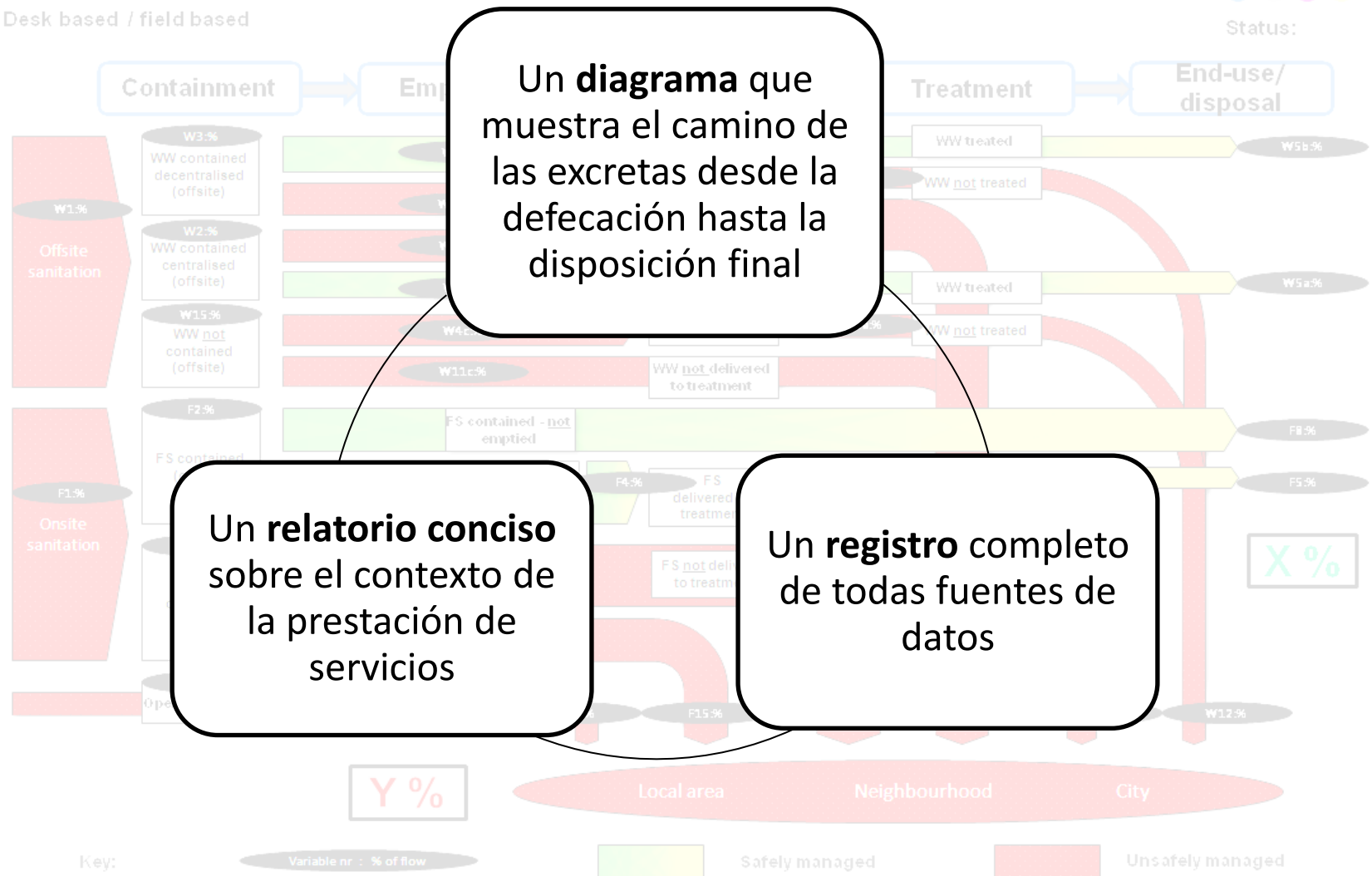


Status:

Que es un SFD?

City name and date of production

Desk based / field based



Un **diagrama** que muestra el camino de las excretas desde la defecación hasta la disposición final

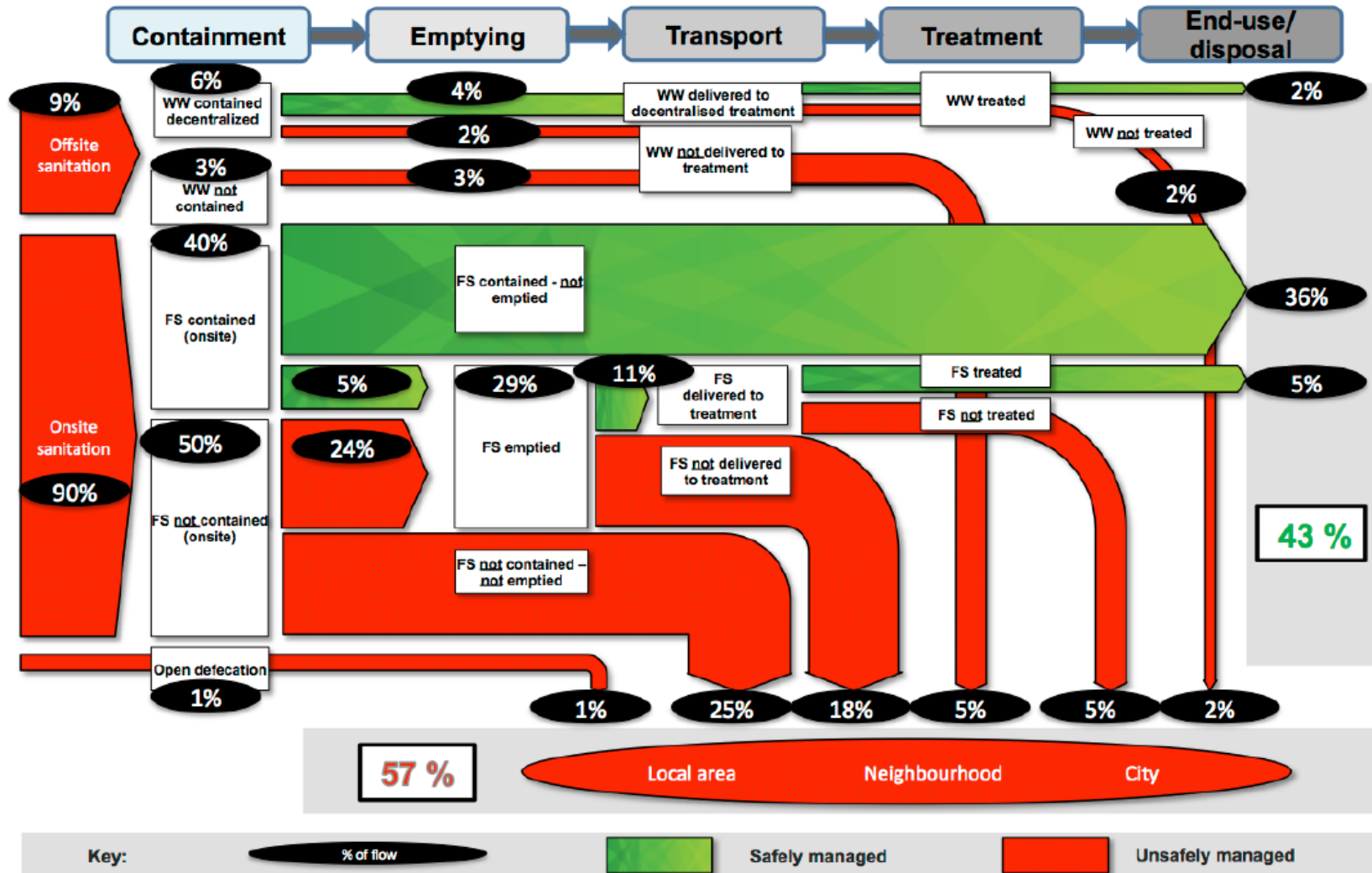
Un **relatorio conciso** sobre el contexto de la prestación de servicios

Un **registro** completo de todas fuentes de datos



SFD Dar es Salaam, Tanzania

Dar es Salaam, Tanzania, 03.09.2015
Field based assessment



Análisis sobre o contexto de la prestación de servicios



- Política, legislación y regulación (p. ej. responsabilidades institucionales, normas)
- Planificación (p. ej. objetivos, inversiones)
- Equidad (p. ej. ámbito de tecnologías asequibles, apropiadas, seguras y adaptables para alcanzar las necesidades de la población urbana mas pobre)
- Resultados (p. ej. cantidad, capacidad y calidad)
- Expansión (demanda, desarrollo del sector)

Control y Verificación de Calidad



Summarize data by the reference numbers assigned to them in the reporting template						
CONTAINMENT:						
EMPTYING:						
TRANSPORT:						
TREATMENT:						
ENDUSE/DISPOSAL:						
	CONTAINMENT	EMPTYING	TRANSPORT	TREATMENT	ENDUSE/DISPOSAL	
Types of data sources used	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Municipal, utility or private local service provider records
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Interviews with city authorities and local government departments
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Documented studies
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Community representatives (interviews desk- and field-based, FGDs only field-based)
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Service providers (interviews desk- and field-based, FGDs only field-based)
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Observation (only field-based)
Further availability of data sources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	This is a one-off exercise no further data expected
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Limited amount of new data expected, SFD to be revised
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Substantial amount of new data expected, SFD to be revised
If updated SFD expected, enter date:						
How has current SFD been used (entire service chain)	<input type="radio"/>	SFD has <u>not</u> been shared with local stakeholders				
	<input type="radio"/>	SFD has been shared with local stakeholders but no follow up action agreed				
	<input type="radio"/>	SFD has been shared and follow up actions have been agreed				
	<input type="radio"/>	SFD has been shared and follow up actions have been agreed and initiated				

sustainable
sanitation
alliance



En resumen, un SFD



- **Es...**
 - Una herramienta efectiva de diagnóstico y comunicación
 - Una herramienta para ingenieros, planificadores y personas con poder decisorio
 - Basado en la poblaciones e en una indicación de para donde las excretas van
 - Una representación de un peligro de la salud pública
 - Una vista general con cual se pueden derivar prioridades de saneamiento
- **NO es...**
 - Basado en volumen/masa – ellos son determinados por otros factores relacionados
 - Una representación de riesgo de la salud pública (riesgo = peligro x comportamiento)
 - Una herramienta analítica científica

sustainable
sanitation
alliance





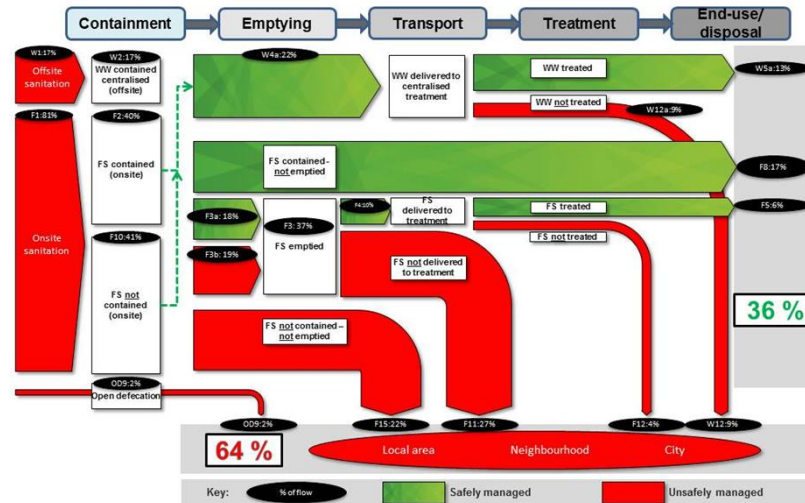
En resumen, un SFD

Moshi, Tanzania

4 ciudades en Uganda

Moshi / Tanzania (23. November 2015)
Desk based

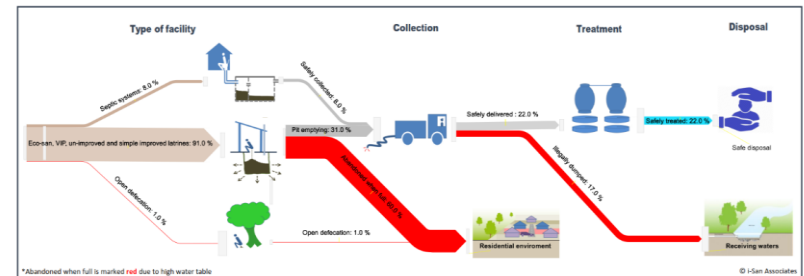
Status: DRAFT



Exercise – Go with the flow, understand the system

Objective is to understand the sanitation system in a town

- **Step 1:** Go with the flow, how is the shit collected, check %, where does the shit go next? What finally happens to the shit?
- **Step 2:** What are the problem(s) portrayed in the diagram? Why are the problems there? (Please write the problems on the flip chart)
- **Step 3:** For every problem, can you identify a solution? Think beyond the box!
- **Step 4:** Please compile all the solutions (on the flip chart)



Shit flow diagram for town 'X'



ISSUES/CHALLENGES	REASONS WHY THEY EXIST	SOLUTIONS
COMPONENT OF SANITATION CHAIN WATER CLEANING WASHING HANDS & ETC. SANITATION FACILITY / CONTAINMENT LAWS / BYLAWS # TYPE OF LATRINE - LINED OR NOT # STANDARDS # MONITORING # ENFORCEMENT COLLECTION & TRANSPORT # COLLECTING VEHICLE / COMPANY # ISUEL OF ACCESS # EXISTENCE OF TREATMENT PLANT # WITNESS TO TREATMENT PLANT # COSTS OF COLLECTION AND TRANSPORT	HOUSEHOLD Lack of water Lack of soap Lack of space Lack of knowledge Lack of money Lack of time Lack of awareness Lack of motivation Lack of skills Lack of information Lack of resources Lack of support Lack of incentives Lack of feedback Lack of participation Lack of ownership Lack of responsibility Lack of accountability Lack of transparency Lack of integrity Lack of honesty Lack of fairness Lack of justice Lack of equity Lack of inclusion Lack of exclusion Lack of diversity Lack of uniformity Lack of consistency Lack of coherence Lack of logic Lack of order Lack of organization Lack of structure Lack of system Lack of process Lack of procedure Lack of protocol Lack of policy Lack of plan Lack of program Lack of project Lack of initiative Lack of innovation Lack of invention Lack of discovery Lack of knowledge Lack of understanding Lack of wisdom Lack of insight Lack of intelligence Lack of intellect Lack of mind Lack of brain Lack of heart Lack of soul Lack of spirit Lack of life Lack of love Lack of compassion Lack of empathy Lack of sympathy Lack of pity Lack of mercy Lack of kindness Lack of generosity Lack of giving Lack of sharing Lack of cooperation Lack of teamwork Lack of collaboration Lack of partnership Lack of alliance Lack of coalition Lack of confederation Lack of federation Lack of union Lack of association Lack of organization Lack of institution Lack of corporation Lack of company Lack of firm Lack of business Lack of enterprise Lack of industry Lack of profession Lack of occupation Lack of career Lack of job Lack of work Lack of labor Lack of effort Lack of energy Lack of power Lack of strength Lack of force Lack of influence Lack of impact Lack of effect Lack of result Lack of outcome Lack of consequence Lack of effect Lack of impact Lack of result Lack of outcome Lack of consequence	HOUSEHOLD Water supply Sanitation facilities Handwashing stations Latrines Collection vehicles Treatment plants Waste management Community education Incentives Training Information campaigns Participatory approaches Ownership transfer Accountability mechanisms Transparency Integrity Honesty Fairness Justice Equity Inclusion Exclusion Diversity Uniformity Consistency Coherence Logic Order Organization Structure System Process Procedure Protocol Policy Plan Program Project Initiative Innovation Invention Discovery Knowledge Understanding Wisdom Insight Intelligence Intellect Mind Brain Heart Soul Spirit Life Love Compassion Empathy Sympathy Pity Mercy Kindness Generosity Giving Sharing Cooperation Teamwork Collaboration Partnership Alliance Coalition Confederation Federation Union Association Organization Institution Corporation Company Firm Business Enterprise Industry Profession Occupation Career Job Work Labor Effort Energy Power Strength Force Influence Impact Effect Result Outcome Consequence


SFD Portal Web



Browser address bar: sfd.susana.org/toolbox

Search bar: IFIs and governments


Navigation menu: About - Toolbox - Resources - News & Events - SFDs Worldwide



SFD toolbox

Here you can find out more about the SFD methods and tools. The guidance documents include: the Manual for SFD Production, the SFD calculation tool, the SFD master diagram and the SFD credibility process. These are all currently under development and meanwhile the draft versions are available.

SFD Toolbox




Methodology

The SFD Promotion Initiative developed a standardized approach with two different levels of data collection to produce city-wide SFDs: desk-based and field-based data collection.

The result is a methodology which helps to produce credible and comprehensible SFDs for cities around the world.


[read more](#)



How to make an SFD

Through working with stakeholders and partners in 50 cities and towns around the globe, we are gaining experience in producing SFDs. With this expertise we are generating easy to understand guidance documents, which will then enable you to produce an SFD for your location too. We will upload all the documents needed to make an SFD and its accompanying report in one place here.

[SFD tools](#)



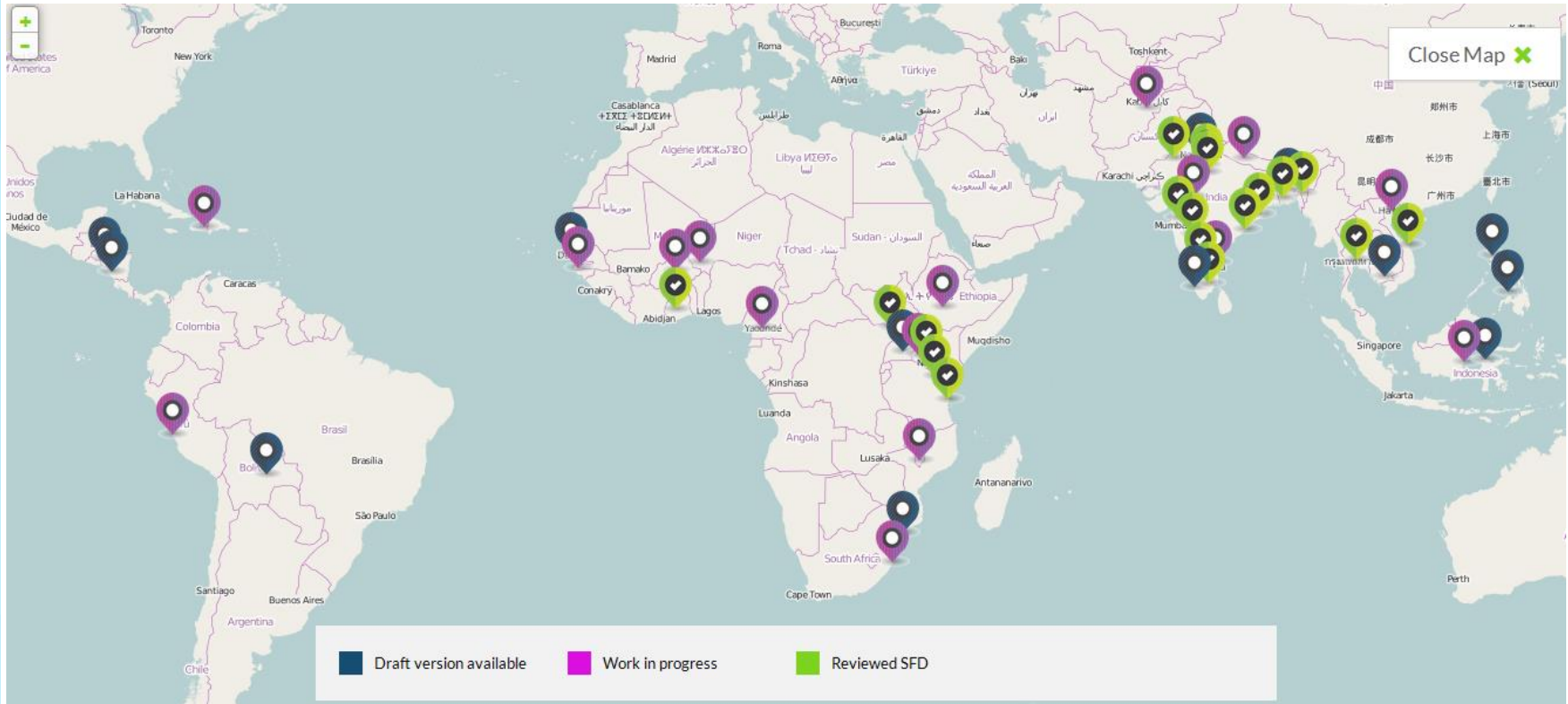
Credibility process

The SFD Promotion Initiative is currently developing a review mechanism for SFDs to promote standardization across cities.

[get in contact](#)

sfd.susana.org/

SFDs alrededor del mundo



sfd.susana.org/

sustainable
sanitation
alliance



Como hacer un SFD?



Methodology

How to make an SFD



How to make an SFD

Through working with stakeholders in cities and towns around the globe, we gained experience in producing SFDs. With this expertise we generated draft versions of the guidance documents, which you are now able to use to produce an SFD for your location. These documents are working drafts, produced under the SFD Promotion Initiative and are currently being field tested.

 [Download of Draft Manual for SFD Production from the SuSanA Library](#)

The Draft Manual for SFD Production includes the following components:

- Part A: Methodology for data collection
- Part B: Stakeholder Engagement Document
- Part C: Guidance note for calculation tool
- Part D: Glossary of variables and terms
- Part E: Methodology for Evaluating Quality and Credibility of SFDs

The SFD Toolbox comprises:

- The Manual for SFD Production (Draft)
- The SFD calculation tool (Draft)
- The Stakeholder Tracking Tool (Draft)
- The SFD Master Diagram (Draft)



SFD Promotion Initiative

Manual for SFD Production

Version 3.0
October 2013



Manual for SFD Production



SFD Calculation Tool



SFD Master Diagram



Stakeholder Tracking Tool

sfd.susana.org/



Como hacer un SFD?



[Part A: Methodology for data collection](#)

[Part B: Stakeholder Engagement Document](#)

[Part C: Guidance note for calculation tool](#)

[Part D: Glossary](#)

[Part E: Methodology for Evaluating Quality and Credibility of SFDs](#)

sfd.susana.org

sustainable
sanitation
alliance





Obrigada por su atención!

Dudas, preguntas, interese?

Cecilia.Rodrigues@giz.de

SFD Promotion Initiative

sustainable
sanitation
alliance

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

On behalf of



Federal Ministry
for Economic Cooperation
and Development



eawag
aquatic research o.o.o

Sandec
Sanitation, Water and
Solid Waste for Development

BILL & MELINDA
GATES foundation



IV LATINOSAN
CONFERENCIA LATINOAMERICANA
DE SANEAMIENTO
PERÚ 2016

