



### **SFD – its use and potential in the sanitation sector**

**Organised by: SFD Promotion Initiative, SuSanA WG 6 (Cities)**

#### **Background**

The SFD Promotion Initiative has been working over the past year to develop a consistent method and the tools for producing excreta flow diagrams, the SFD (also called Shit Flow Diagrams). SFD is a powerful visualization tool that summarizes and presents excreta flows from containment (user interface) to their final destination in a given city. The Initiative was introduced to the broader sanitation community during Stockholm World Water Week 2015 and generated considerable interest and discussion on uses and potential of the tool for advocacy and planning for urban sanitation improvement.

In the first phase of this project, the SFD approach was applied in about 40 cities worldwide. A key objective of the next phase of this project is to promote and facilitate the use of SFDs by city authorities worldwide, development partners and utilities as part of the urban sanitation advocacy and planning process, by making SFDs a standard tool for identifying key issues and challenges in cities or towns. The next steps of the SFD Promotion Initiative also include:

- Technical refinement: phase 1 SFDs reveal several areas where new research could improve SFD credibility
- Tool refinement: a review of usability of all SFD tools will enable their further refinement and improvement
- Direct support: development of further SFDs in partnership with cities and towns
- Scaling up: availability and promotion of the refined tools will encourage the use of the SFD approach for advocacy and decision support
- Quality control: design and delivery of a support mechanism (web-based FAQs, tools and helpdesk) and the roll-out of a quality assurance process will provide support to stakeholders preparing their own SFDs

Since the early stages of this project, other organizations interested in working with SFDs have approached partners of the initiative with ideas and experiences. In light of this, the proposed meeting is aimed at sharing cases where the underlying thinking of the SFD approach has stimulated and structured discussions about urban sanitation, the design of project proposals and research questions; and has changed the discourse around sanitation.

#### **Goals of the meeting**

The event will be jointly convened by the SFD Promotion Initiative and the SuSanA Working Group 6 (Cities), with the following objectives:

1. To learn how excreta flow analysis have been used in the sector and to understand and document the uptake of the SFD approach
2. To involve SuSanA partners more systematically in the promotion and facilitation of the SFD approach and stimulate collaboration between them
3. To better use the network of SuSanA partners and their connections to cities for this purpose

#### **Time and location**

The meeting will be held at the Stockholm Environmental Institute (SEI), at Linnegatan 87d, in Stockholm on Friday, 26.08.2016, from 14:00 – 18:00, before the start of Stockholm World Water Week.



### Participants

Participant would be interested SuSanA partners, practitioners and local authorities with experience in using SFDs.

### Tentative Agenda

Moderator: Prit Salian

Time	Content	Presenter
14:00 – 14:10	Opening	Arne Panesar (GIZ)
<b>Session 1: Planning and Policy</b>		
14:10 – 14:25	The linkages between SaniPath and SFD: How SaniPath can support actions after a finished SFD process	Suraja Raj (Emory University)
14:25 – 14:40	Developing SFDs from Performance Assessment Data in India	Dinesh Mehta (CEPT University)
14:40 – 14:55	Adaptation of the SFD concept on a national level to monitor safely sanitation and safe treatment of wastewater	Barbara Evans (on behalf of WHO)
14:55 – 15:10	Discussion on Session 1	
<b>Session 2: Resource Recovery</b>		
15:10 – 15:25	Resource Value Mapping: Estimating the Potential for Resource Recovery from Productive Sanitation in Urban Areas	Kim Andersson (SEI)
15:25 – 15:40	Improving urban water services in Chiang Mai, Thailand using ECAM and SFDs	Astrid Michels (GIZ – WaCClim)
15:40 – 15:50	Discussion on Session 2	
15:50 – 16:20	Coffee Break	
<b>Session 3: Technical Aspects</b>		
16:20 – 16:35	Faecal waste volume calculation: the experience of using the tool in two cities in Indonesia	Ingeborg Krukkert (IRC)
16:35 – 16:50	Drawing excreta flow diagrams and additional fluxes, combined with simulation - the Simba# technical tool	Manfred Schuetze (IfaK e.V.)
16:50 – 17:05	The Beaumont SFD Generator: A demonstration of the tool	Andrew Whithesell (Beaumont Design)
17:05 – 17:20	SFD data to graphic converter tool	Barbara Evans (SFD PI)
17:20 – 17:35	Discussion on Session 3	
17:35 – 18:00	Sum-up of the results and closing remarks	Arne Panesar (GIZ) NN [tbc]

## DIRECTIONS SEI Office

**SFD Exchange Meeting – Friday, 26 August 2016, 14:00 – 18:00**

**Transport alternatives to Stockholm Environment Institute (SEI), located at, Linnégatan 87D, 115 23 Stockholm:**

Travel from the **Central Railway Station** in Stockholm to **SEI** by **public transport**:

Exit the central station and start from >Stockholm Central Vasagatan<. You can reach the meeting venue by bus number 69 towards Stockholm Blockhusudden, every 10 min. Get off the bus after 15 min at Berwaldhallen. Head east on Strandvägen toward Oxenstiernsgatan. Turn left onto Oxenstiernsgatan, then turn left again onto Linnégatan.

If unsure then Plan your Public transport trips with the information above and this website: <http://sl.se/en/> .

Download metro map: <http://subway.umka.org/map-stockholm.html>

By Taxi it is a 10 min. ride from the central station

