

Workshop on “Planning Tools for City-wide Septage Management using Whole System Approaches”

Team Representatives:

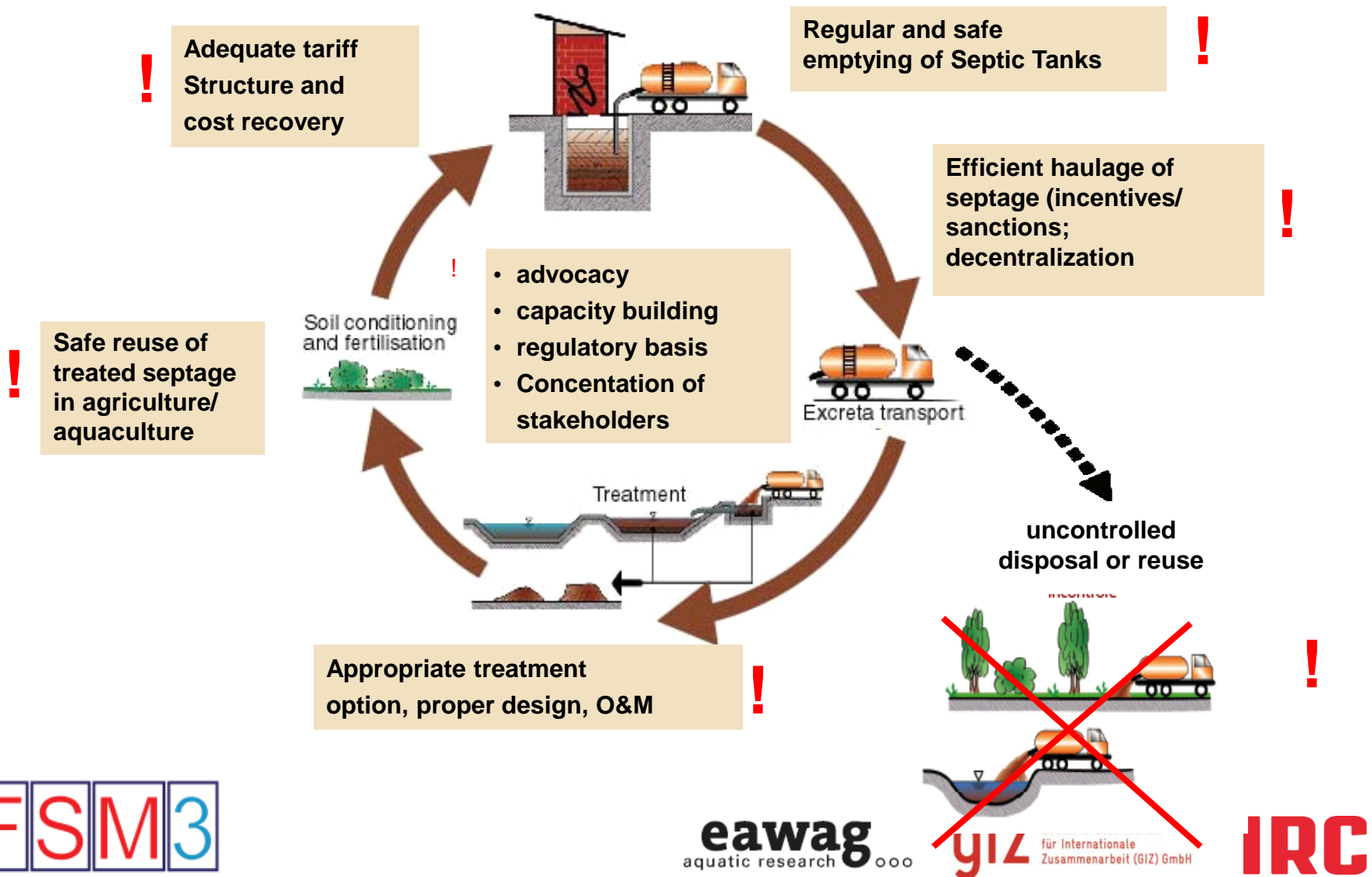
- Dirk Walther, GIZ, India
- Ingeborg Krukkert, IRC, Netherlands
- Christoph Lüthi, EAWAG, Switzerland



Urban Sanitation: Challenges

Financial	Institutional	Environmental	Technical	Social
Limited public financing for sanitation	No single institution responsible for sanitation	Dumping human & solid waste a common practice, at household and city levels	Improper planning practices	Social exclusion at all levels
Public financing focus on networked and not to on-site systems	Limited capacities of state and city officials particularly in smaller towns	Regulations are weak and enforcement poor	Debate still on on-site versus off-site system choices	Unsafe work environment & labour protection
	Land tenure issues limit possibilities of changes in informal settlements	Convergence of waste flows lead to treatment & reuse problems	Improvements in core cities and informal areas limited by street widths	Negative social impacts of sanitation interventions
			Quality concerns during implementation and O&M	

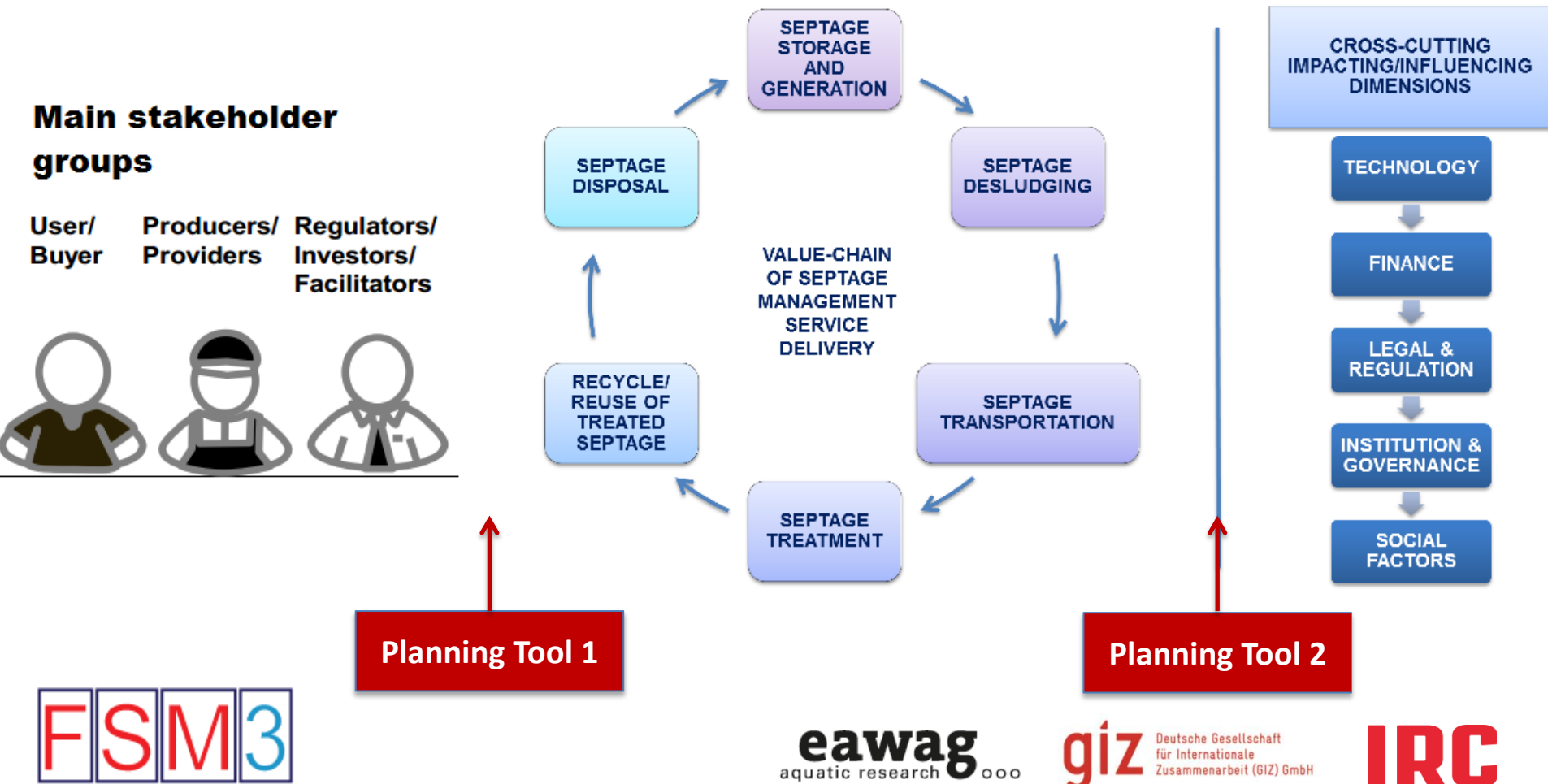
Septage (FSM) Service Chain... (solids alone)



Septage Management: Conceptual Basis and Cornerstones

- **SM Approaches & Determinants For Planning**
 - integration at city scale (complementary role)
 - integration between closed loop value chain elements
- **The Who's and How's in Implementation Framework**
 - review dimensions (data, planning, design, finance...)
 - identify critical action directives for stakeholders
- **Services Management across the value chain**
 - beginning (black & grey water separation) & end (on-site to off-site solutions)

Whole system approach = Value Chain Elements + Cross-cutting Influencing Dimensions + Stakeholders



Learning Objectives

- Share Septage Management **whole system approach** and provide practical means for use in city-wide professional practice
- **Use of tools to increase understanding** of whole system approaches
- Reflection/feedback on **applicability of tools**

Workshop Format

- **Planning Tool 1**

- Rating exercise cum role play to map key issues for FSM from different stakeholder perspective's
- Reflection on what a 'whole system approach' on FSM entails
- Identification of benefits in adopting such an approach

- **Planning Tool 2**

- Modelling exercise to detail FSM planning across value chain and accounting for cross-cutting dimensions at city-wide scale
- Focus on practice-oriented and interactive learning on a typical city (using Harvard Case Method)

Session Plan

Time	Activity	Responsibility
00.00 – 00.15	Introduction to workshop , welcoming the participants and impact presentation	Overall moderator: Dirk Walther, GIZ supported by Ingeborg Krukkert, Christoph Lüthi
00.15 – 01.15	<u>Session 1: FSM whole system perspective along the value chain</u>	IRC
	Introduction to session & presentation on the exercise	Lead: Ingeborg Krukkert, IRC supported by Giacomo Galli, IRC
	Organising participants into groups	
	Ranking exercise: whole system perspective along the value chain	
	Joint mapping + moderated discussions	
01.15 – 01.30	<u>Session 2: City wide septage management tool in typical cities</u>	GIZ + EAWAG
	Presentation , Introduction to exercise & organizing into groups	
01.30 – 02.00	Break	
02.00 – 03.15	<u>Session 2: ...cont.</u>	GIZ + EAWAG
	Exercise: Visualising the city at city-scale service provision	Lead: Rahul M Sharma, GIZ supported by Christoph Lüthi, EAWAG; Nagasreenivas Kanchi & Jitendra M Yadav, GIZ
	Cross-learning of group work	
	Moderated discussions on the comprehensive action items and their prioritization	
03.15 – 03.30	<u>Session 3: Joint Reflection</u>	IRC, EAWAG, GIZ
	Moderated discussions on the exercises and learnings, drivers (commonalities and differentiators) for cities in transition	Lead: Ingeborg Krukkert, IRC supported by GIZ, EAWAG
	Decisions on next steps	

**IRC,
Netherlands**

Ingeborg Krukkert
Giacomo Galli

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Rahul M Sharma

**EAWAG,
Switzerland**

Christoph Lüthi

Team Representatives & Facilitators

- WELCOME TO THE WORKSHOP -

