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This presentation is used with Lesson Plan
Introduction to Faecal Sludge Management in the
Introduction to Faecal Sludge Management Trainer
Manual

Available at www.cawst.org/resources and www.sandec.ch

Introduction to Faecal Sludge Management

2016 | May

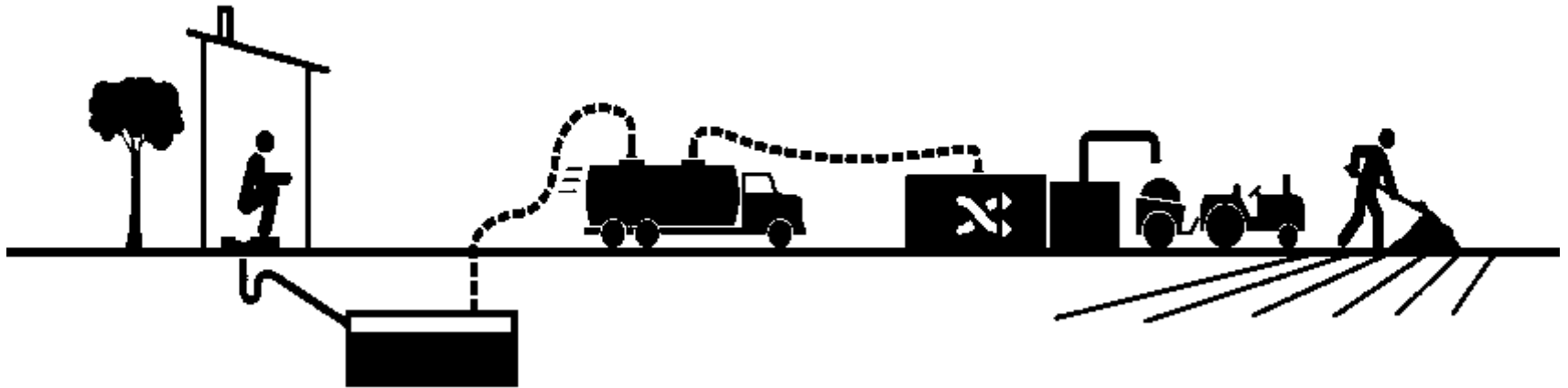


Sandec
Sanitation, Water and
Solid Waste for Development

Learning Outcomes

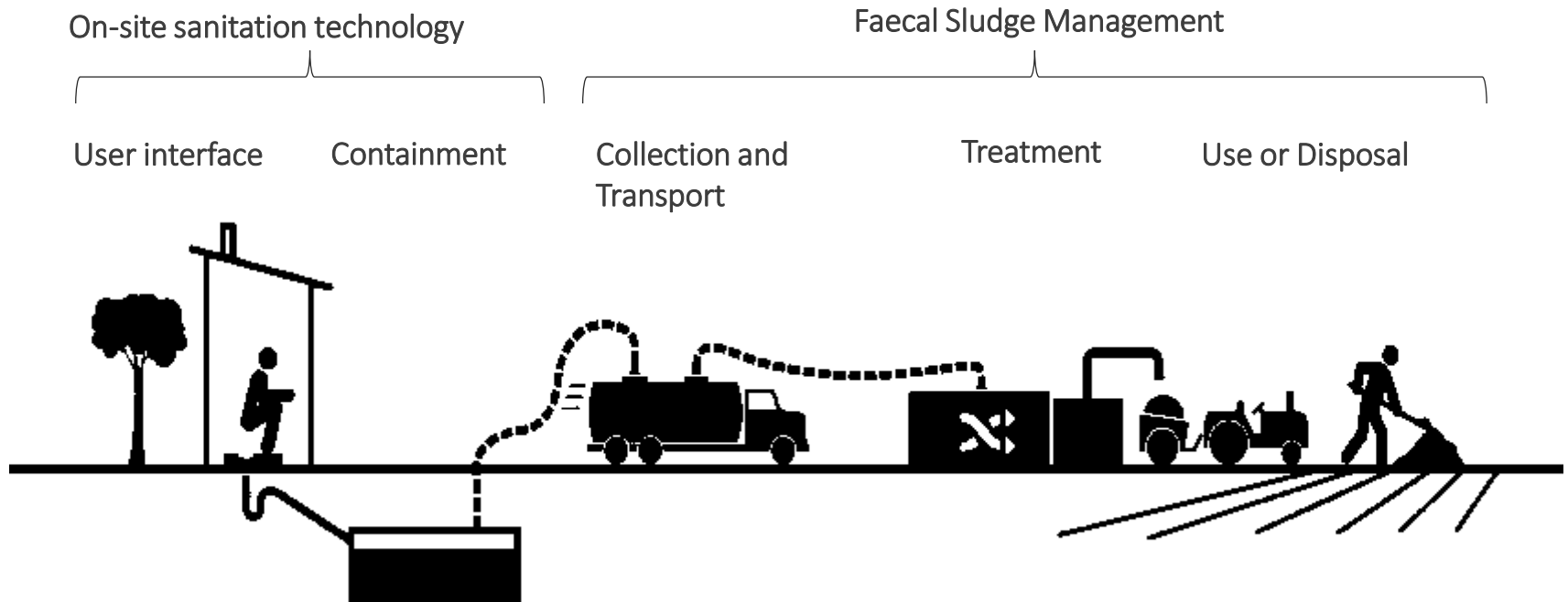
- List the five components of a sanitation service chain.
- Identify the three components that are called “faecal sludge management”.
- Explain the difference between non-sewered and sewered sanitation systems.
- Identify how faecal sludge management can effectively manage sanitation and protect public health.

Sanitation Service Chain



Credit: Bill & Melinda Gates Foundation

Sanitation Service Chain



Credit: Bill & Melinda Gates Foundation

Sanitation Service Chain

- Sanitation service chain is a general term for both sewerered and non-sewered sanitation systems.
- What is a non-sewered sanitation system?
- What is a sewerered sanitation system?

Definitions

Non-Sewered sanitation:

Also called on-plot or on-site sanitation. A sanitation system in which excreta and used water are collected and stored on the location where it is produced. Often, the faecal sludge has to be transported off-site for treatment, use or disposal.

Sewered sanitation:

Also called a sewer system, sewerage system, sewers, connected sanitation, and networked sanitation. A sanitation system that transports wastewater through a pipe network (like a simplified sewer, solids free sewer or conventional sewer) to another location for treatment, use or discharge. This includes centralized systems and decentralized wastewater treatment systems (DEWATS).

Terminology

Non-Sewered
Sanitation



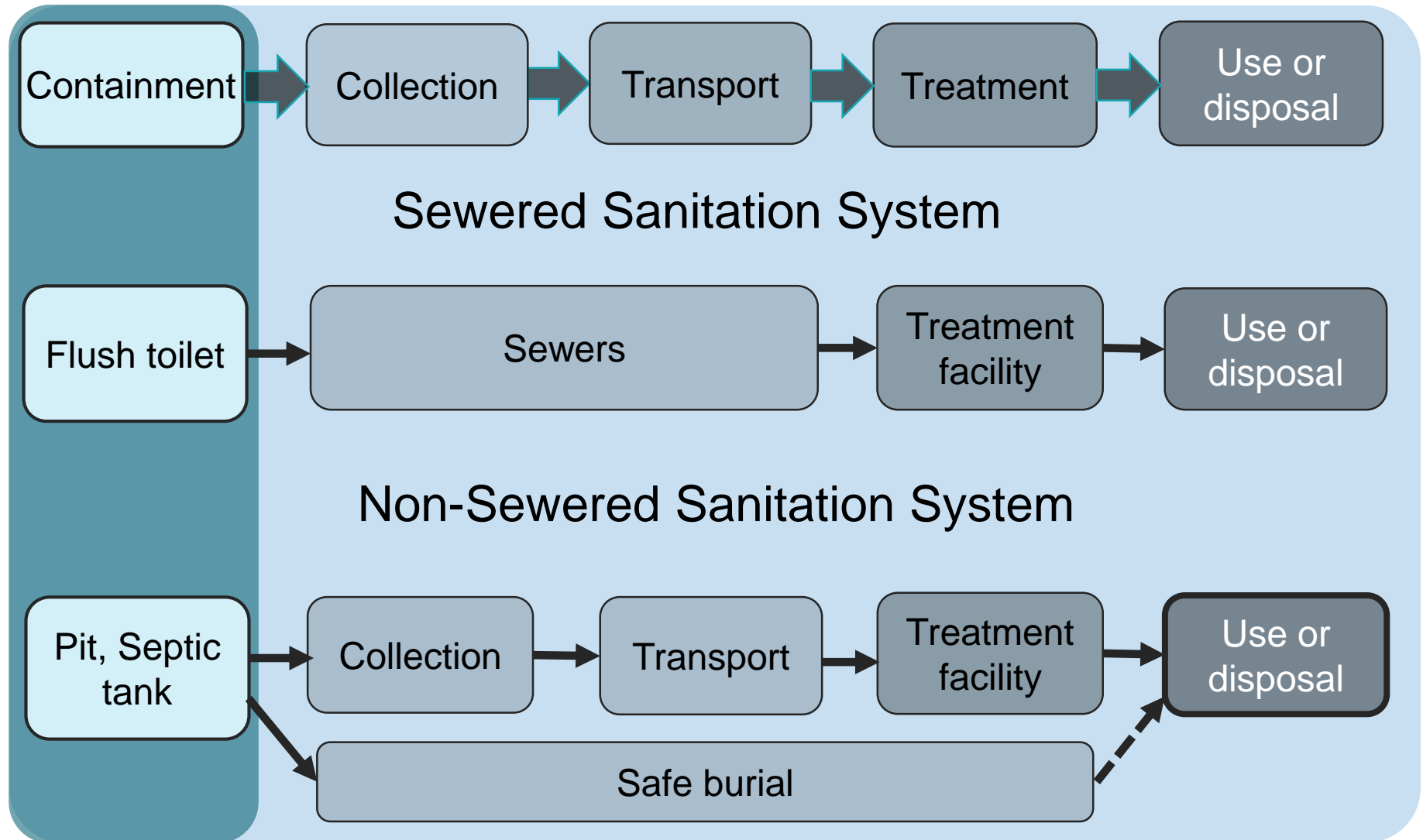
Faecal Sludge

Sewered
Sanitation



Wastewater

Sanitation Service Chain



On-site Sanitation Technology: Septic Tanks

Kampala, Uganda



Credit: Eawag-Sandec

On-site Sanitation Technology: Pit Latrines

Kampala, Uganda



Credit: Eawag-Sandec

On-site Sanitation Technology: Shared

Kampala, Uganda



Credit: Eawag-Sandec

Collection: Mechanical

Kampala, Uganda



Hanoi, Vietnam



Credit: Eawag-Sandec

Collection: Mechanical

Kenya



Credit: Eawag-Sandec

Collection: Manual Emptying with Gulper

Kibera, Kenya



Credit: Eawag-Sandec

Transportation: Motorized

Kenya



Transportation: Manual

India



Credit: SuSanA

Treatment

Uganda



Credit: Eawag-Sandec



Faecal Sludge Use

Soil Amendment
Burkina Faso



Credit: Florian Erzinger

Biogas
Tanzania



Credit: SuSanA

Solid Fuel
Kenya



Credit: Sanivation

Protein
Unknown



Credit: BSF Blog

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