

Welcome to the
Sanitation Safety Planning
Training of practitioners
Step-by-step risk management for safely managed
sanitation systems



seecon



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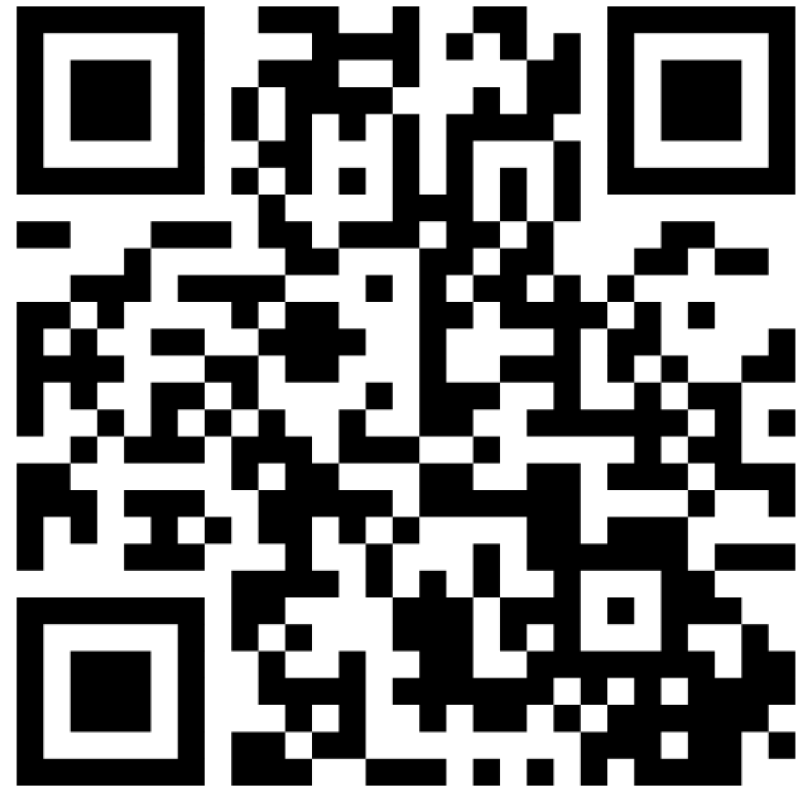
SANITATION
SAFETY
PLANNING

Who are our participants?



SANITATION
SAFETY
PLANNING

Let's see what
you know about
SSP

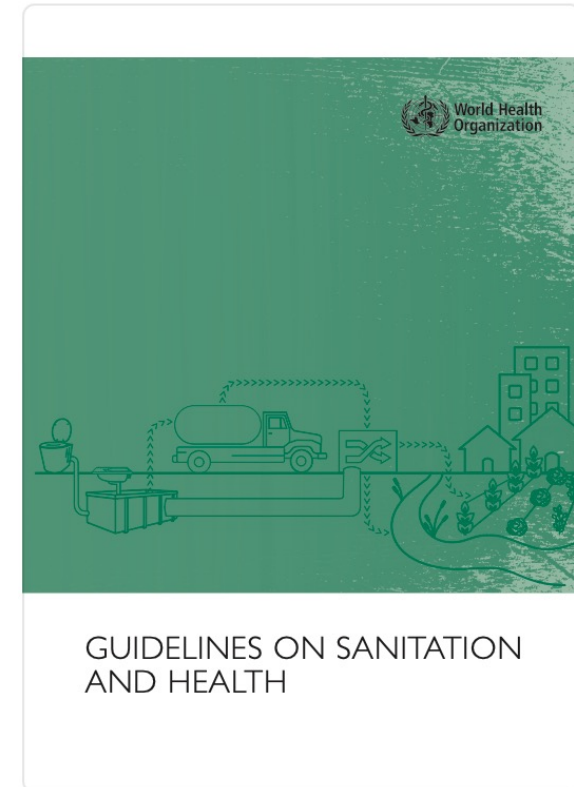


Why do we need Sanitation Safety Planning?

Sanitation

According to the WHO Guidelines on Sanitation and Health:

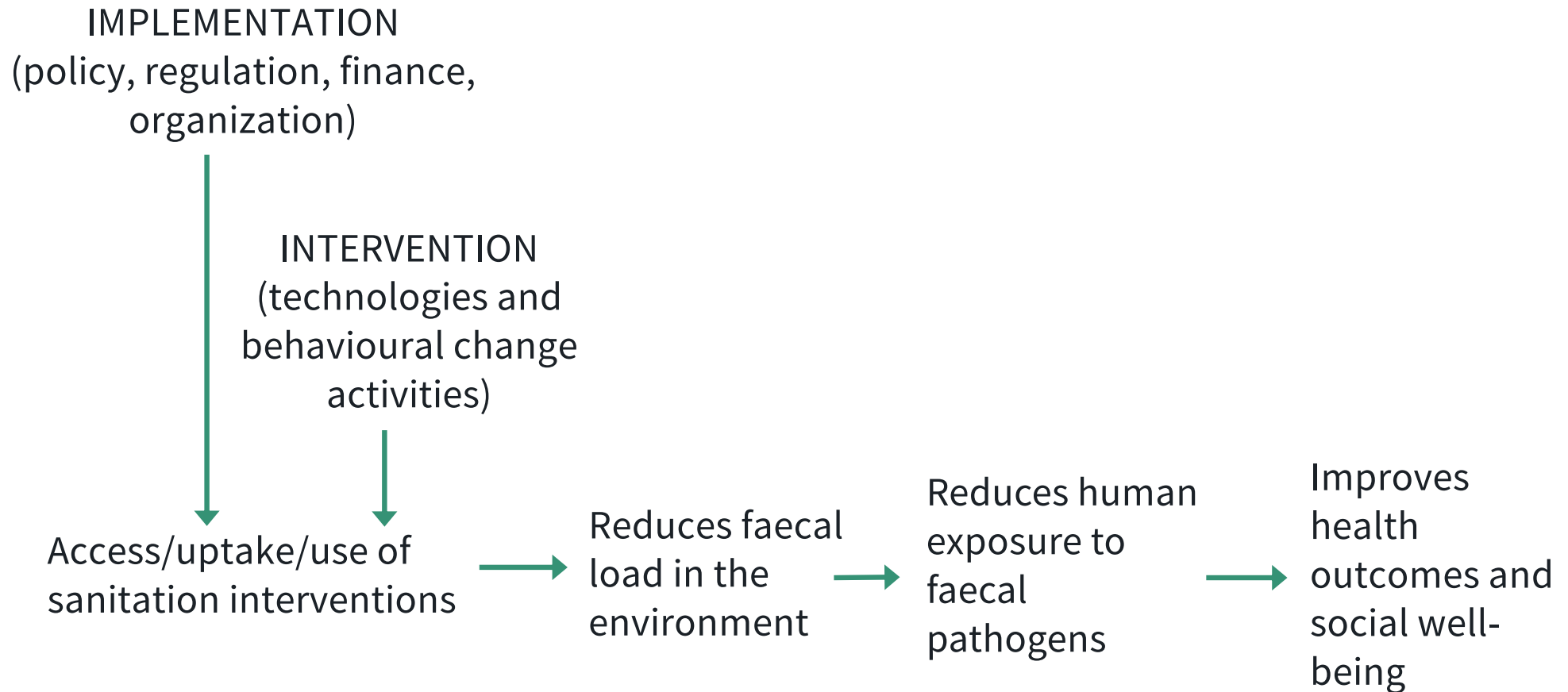
Sanitation is defined as **access to and use of facilities and services for the safe disposal** of human urine and faeces.



Sanitation is a human right, a public good and is meant to deliver cost-effective **benefits for public health, the economy and the environment.**

Sanitation impact on health

Pathways through which sanitation shall provide health and economic benefits



But evidence shows lower health impact than expected



Photos: L. Barreto Dillon

Sanitation systems are not interrupting pathogen transmission

The reality of poor sanitation



**Faecal-oral infections: e.g.,
diarrhea (2016 killed 800 000
people)**

Helminth infections

Vector-borne diseases

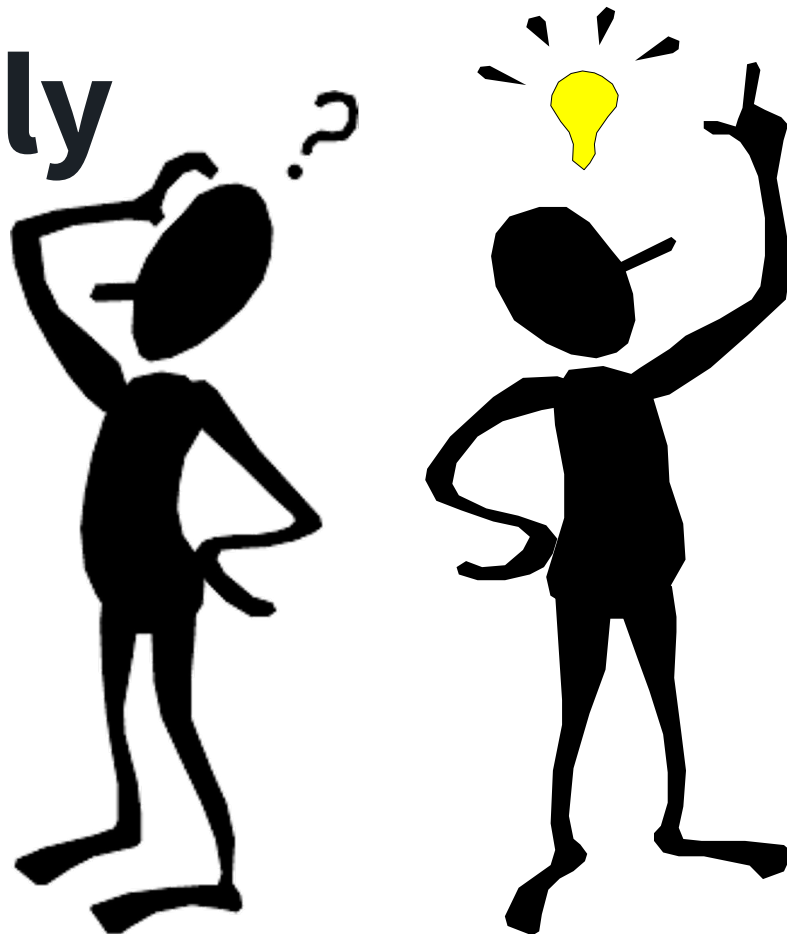
**Sequelae (conditions caused by
preceding infections): e.g.,
stunting.**

Broader well-being: e.g., anxiety

**Consequences of poor
sanitation in public health**

Foto by UNICEF/Al-Safadi

What should we do
differently
then?



We need to ensure

safety

along the entire
sanitation service
chain.

Safe sanitation systems

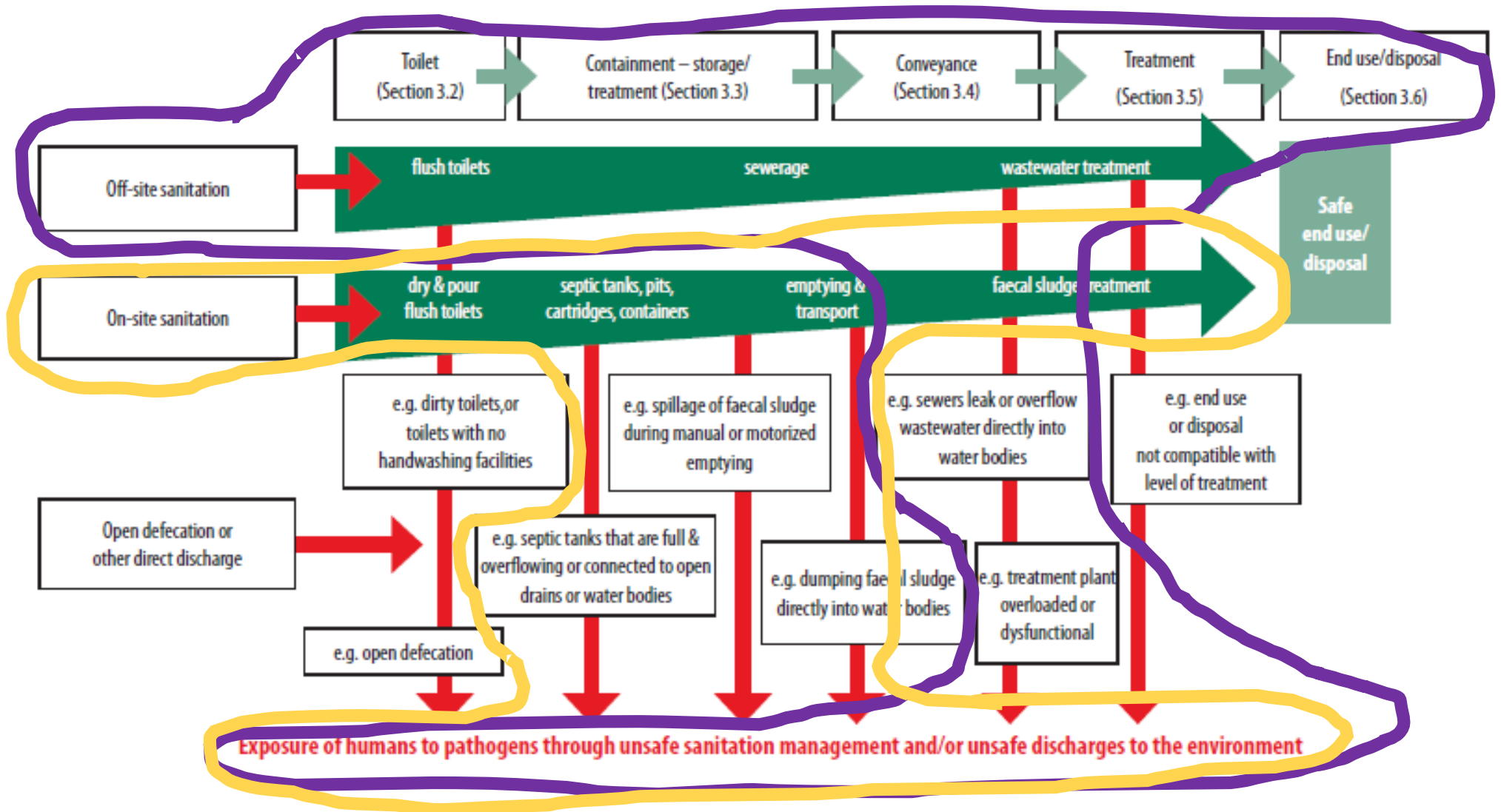


Arrangement of technologies and practices designed to separate human excreta from human contact at all steps of the **sanitation service chain**.



Failures at any step of the sanitation chain result in negative health outcomes

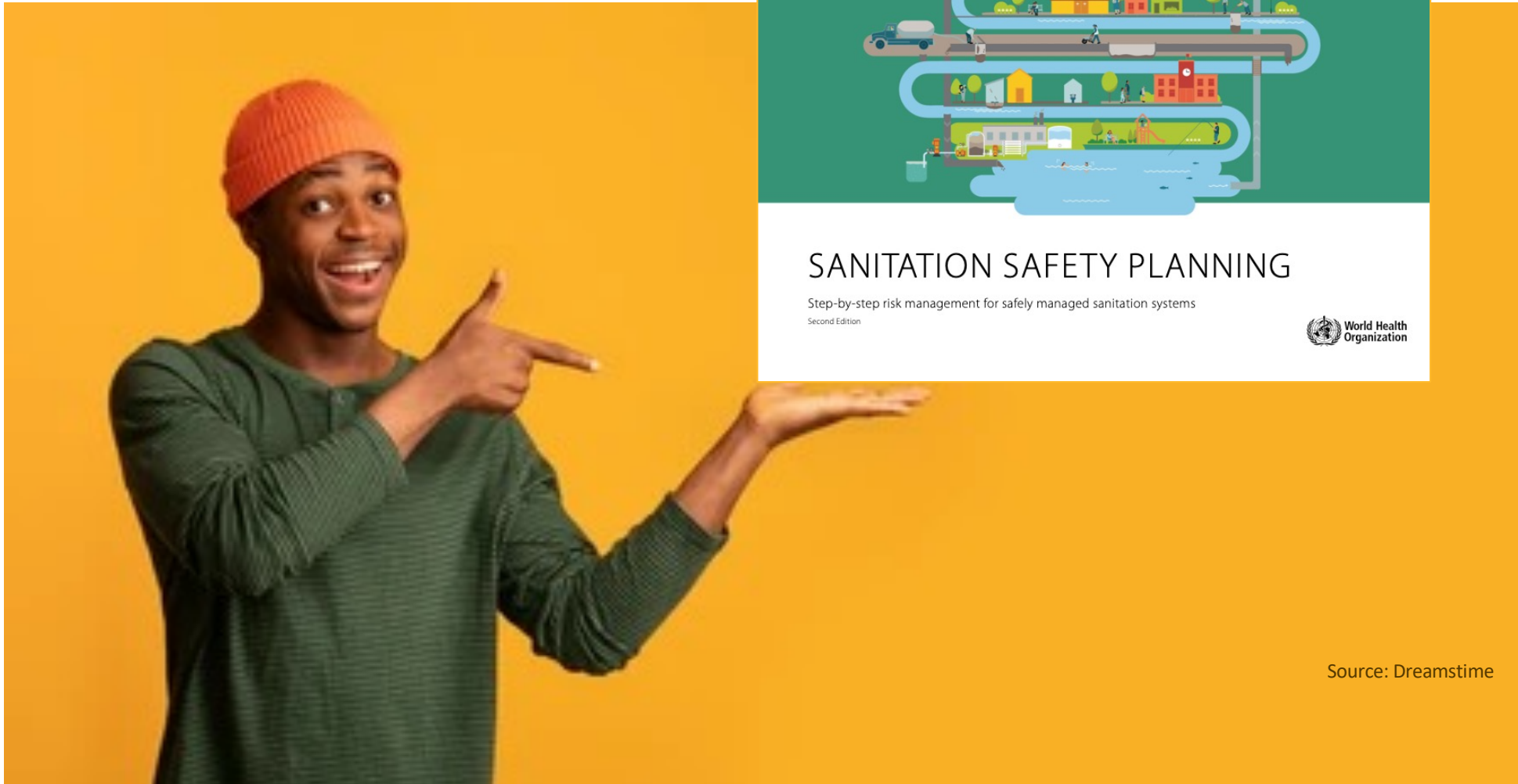
Typical failures





Risks should be managed along the entire sanitation service chain



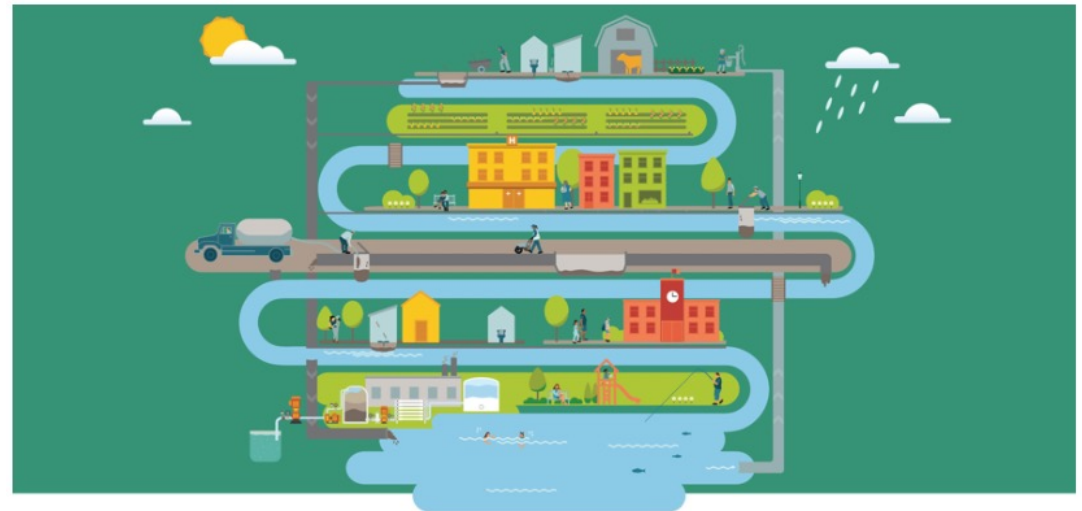


Source: Dreamstime

Sanitation Safety Planning - SSP

WHO recommended approach for local risk **assessment and management** for sanitation systems

- Step-by-step **risk-based approach**
- Assists in the implementation of **local level risk assessment and management**
- **For the entire sanitation service chain** - from toilet, containment/storage and treatment, conveyance, treatment and end use or disposal



SANITATION SAFETY PLANNING

Step-by-step risk management for safely managed sanitation systems
Second Edition



SSP ensures that the system is managed to meet the health objectives

WHO 2006 Guidelines for the safe use of wastewater, excreta and greywater

SSP was first published to make the 2006 WHO Guidelines on reuse more widely adopted.

Today, SSP is used for the entire sanitation system



SSP manual – Second Edition, 2022

Key updates in this second edition of Sanitation Safety Planning include:

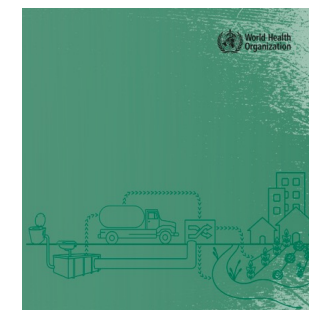
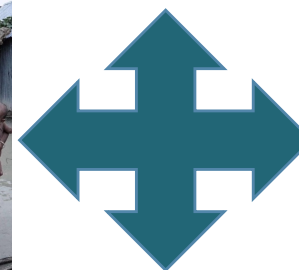
- **simplification** of the SSP process
- reorientation to support recommendations on local-level risk assessment and management in the WHO Guidelines on sanitation and health, **covering all steps of the sanitation chain**, with or without safe end use
- **inclusion of climate risks**



Discussion paper:
Climate, Sanitation and Health



Draft | July 2019



GUIDELINES ON SANITATION
AND HEALTH



SANITATION SAFETY PLANNING

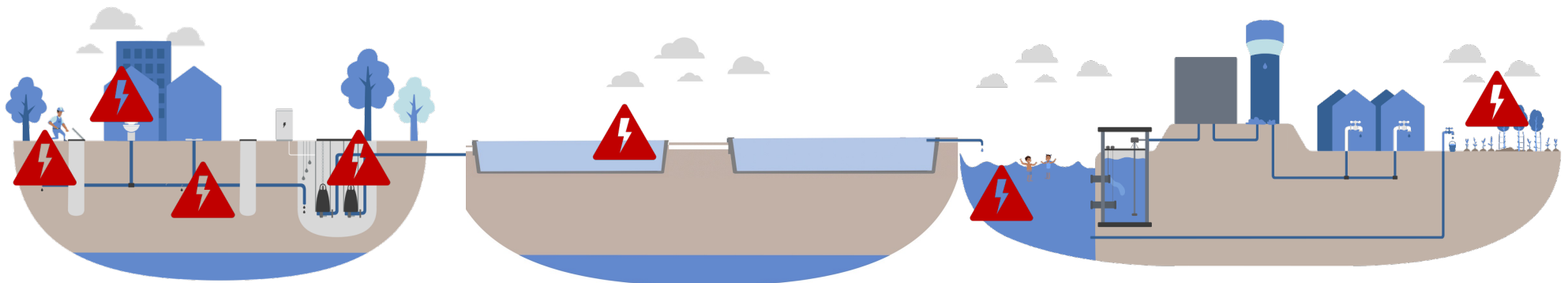
Step-by-step risk management for safely managed sanitation systems
Second Edition



How does SSP work?

Risk assessment and management tool:

- Map and describe the **sanitation system**
- Identify the affected people or **exposure groups** (users, workers, communities, farmers, consumers)
- understand **transmission pathways** of excreta-related infections
- identify what could go wrong (**hazardous events**), evaluate the risk
- prioritize **highest health risk**
- Implement and monitor **control measures** to avoid exposure



SSP Modules



Objectives of our training

To empower practitioners—future change agents and multipliers—with essential skills and resources, enabling them to:

- Facilitate the effective implementation of SSP processes within their communities.
- Competently identify and prioritize health risks along the sanitation chain.
- Support the successful implementation of SSP initiatives, ensuring that sanitation services are safe and effective.

Training methodology

Hands-on

Inputs

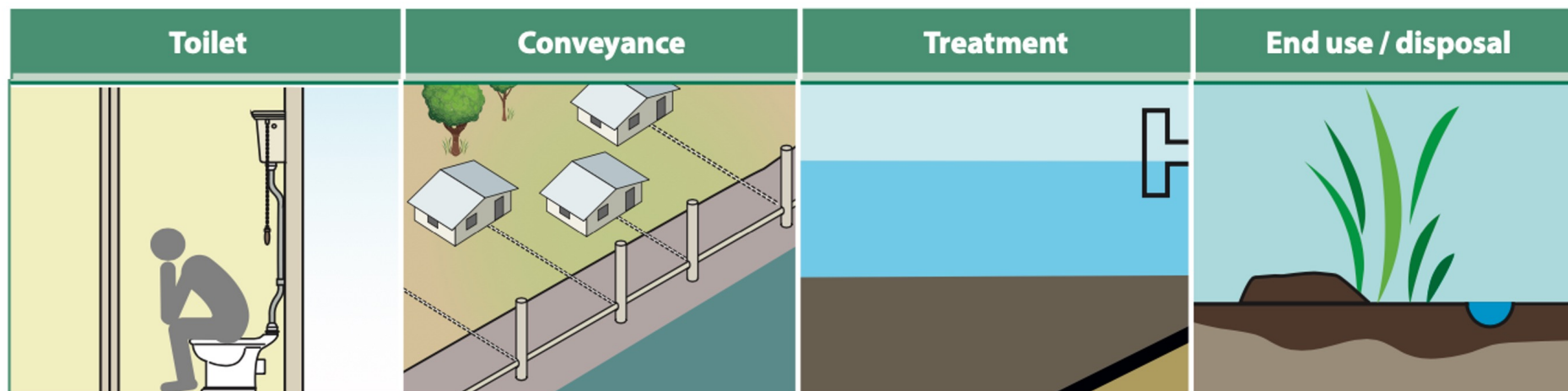
- **Lectures** with explanation of each step of the SSP methodology.
- **Examples** from your SSP manual and the 2018 WHO Guidelines on Sanitation and Health.
- **Plenary discussions.**

Working in groups

- **We will all develop the SSP for the sanitation system - Fuhais WWTP.**
- You will form groups of 5 or 6 persons.
- Each group will be responsible for one part of the sanitation systems.
- You will use a template to prepare the SSP.
- You will report back to plenary.
- At the end, will all have a consolidated SSP.

Development of SSP for Fuhais and Maheis

Sanitation System: Flush toilet with sewerage and offsite wastewater treatment



**Group 1:
Conveyance**

**Group 2:
Treatment part 1**

**Group 3:
Treatment part 2**

**Group 4:
Disposal /Reuse**

Agenda

Time	Sunday 16.02	Monday 17.02	Tuesday 18.02	Wednesday 19.02	Thursday 20.02
9:00 – 9:15	Participants start arriving		Welcome and recap	Welcome and recap	Welcome and recap
9:15 - 9:30					
9:30 – 10:10	Welcome speeches ACWUA, WHO, UNICEF and Secretary General, Ministry of Water and Irrigation What is SSP and what is expected from this week's training Maha Halalshe, UJ Group Photo		Module 3, Step 3.1: Identify hazards and hazardous events and step 3.2: Identify and assess existing control measures <i>(Lecture and group work)</i>	Cont. Module 4, Steps 4.1: Consider options to control risks <i>(Group Work)</i> Module 4, Steps 4.2 and 4.3: Develop and implement an improvement plan <i>(Lecture and group work)</i>	Final Group Work <i>(Instructions and groups preparation)</i> Group presentation to policy makers and decision makers
10:10 – 10:30	Tea break and networking with authorities (20 min)	Field trip to Fuhais			
10:30 – 11:00	Introduction of participants and to the training			Tea break (10:45 – 11:00)	
11:00 – 13:00	Participants Entry test Piloting SSP in the Arab States (FAO Project) Introduction to Course Project Module 1: Prepare for sanitation safety planning <i>(Lecture and group work)</i>	<i>(We will have lunch at the Orthodox Club)</i>	Module 3, Step 3.1: Identify hazards and hazardous events and step 3.2: Identify and assess existing control measures <i>(Cont. of group work)</i> Module 3, Step 3.3: Assess and prioritize the exposure risks <i>(Lecture and group work)</i>	Module 4, Steps 4.2 and 4.3: <i>(Cont. group work)</i> Module 4: SSP incremental plan <i>(Presentation of results and plenary discussions)</i> Module 5: Monitor control measures and verify performance <i>(Lecture)</i>	<i>(Arrival of policy makers and decision makers)</i> Final session in Arabic Introduction by UNICEF /WHO Presentation of teams facilitated by Dr. Halelshe, Discussions in 5 tables: How to integrate SSP to our national initiatives? What could be our next steps? Presentation of discussions in plenary Closing and invitation for lunch
13:00 – 14:00			Lunch break		
14:00 - 14:50	Module 1: Prepare for Sanitation Safety Planning <i>(Sharing in plenary)</i> Stakeholders in South Jordan Project <i>(Conversation with Dr. Halelshe, UJ)</i> Module 2: Describe the sanitation system <i>(Lecture)</i>	<i>(We continue working at the Orthodox Club)</i> Module 2 Describe the sanitation system <i>(Group work)</i>	Module 3: Risk Assessment <i>(Presentation of results and plenary discussions)</i> Module 4, Steps 4.1: Consider options to control risks <i>(Lecture)</i>	Module 5: Monitor control measures and verify performance <i>(Group work and sharing in plenary)</i>	<i>(Final session only with participants)</i> Reflections for way forward UNICEF / WHO Participants Exit test Evaluation of the training Final words, thank you and good bye! UNICEF / WHO
14:50-15:00			Tea break		
15:00 – 15:50	Module 2: Describe the sanitation system <i>(Group work)</i>	Module 2 Describe the sanitation system (cont. of Group Work) (Describing the sanitation systems in South Jordan Project <i>(Conversation with Dr. Halelshe)</i>	Module 4, Steps 4.1: Consider options to control risks <i>(Group work)</i> Implementing SSP in South Jordan Project <i>(Conversation with Dr. Halelshe)</i>	Module 6: Supporting programs <i>(Lecture and group work)</i>	Participants' departure
15:50 – 16:00	Feedback, instructions and closing day 1	Feedback, instructions and closing day 2	Feedback, instructions and closing day 3	Feedback, instructions and closing day 4	

Resources



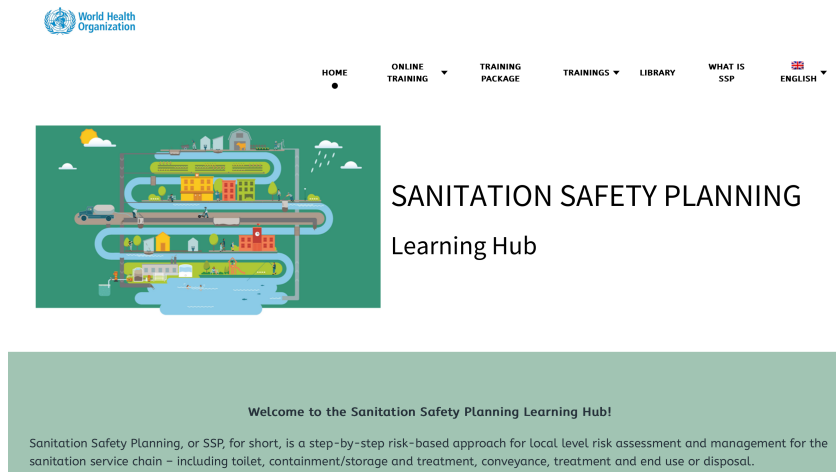
SSP Manual



SSP Worked example



WHO Guidelines on Sanitation and Health



SSP knowledge Hub



Template for SSP in Fuhais

<https://ssp-learninghub.creation.camp>



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WHAT IS SSP



Training videos



PowerPoints, Trainers guide, worksheets



Your training



Supporting documents



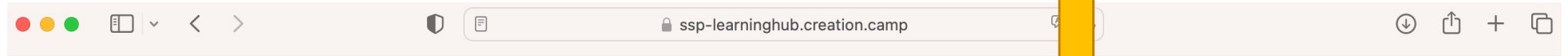
SANITATION SAFETY PLANNING

Learning Hub

Welcome to the Sanitation Safety Planning Learning Hub!

Sanitation Safety Planning, or SSP, for short, is a step-by-step risk-based approach for local level risk assessment and management for the sanitation service chain – including toilet, containment/storage and treatment, conveyance, treatment and end use or disposal.

SSP requires capacities from a range of stakeholders to initiate, develop, implement, monitor and sustain the process to safely manage



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ENGLISH

ESAWAS AUG2023

CSE INDIA FEB2024



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Download and save

D1.2 Group Work, SSP template Fuhais.docx

Sanitation Safety Planning
Amman, Jordan. February 16-20, 2025

Sanitation Safety Plan

Fuhais

developed by
participants of the SSP Training

Part of the Sanitation System analysed:	
--	--

Group participants:

- XXX
- XXX
- XXX
- XXX
- XXX

Date:

Place:

MODULE 1: Preparing for Sanitation Safety Planning

Sanitation Safety Planning Manual



Guidance notes and examples

Get further information on key concepts and their application in examples and real-world cases for each module



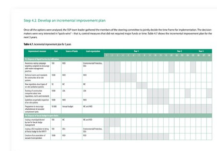
Tools

Get a quick start for a first SSP by using the templates provided, adapting them to your local context.



Worked example

Follow a full worked example from the start to finish of the SSP process using tools and with decision points along the way explained.



WHO 2018 Guidelines on Sanitation and Health

Introduction, scope and objectives	Chapter 1: Introduction
Recommendations and actions	Chapter 2: Recommendations and good practice actions
Implementation guidance	Chapter 3: Safe sanitation systems Chapter 4: Enabling safe sanitation service delivery Chapter 5: Sanitation behavior change
Technical resources	Chapter 6: Microbial aspects Chapter 7: Methods Chapter 8: Evidence on the effectiveness and implementation of sanitation interventions Chapter 9: Research needs Annex I: Sanitation system factsheets Annex II: Glossary of sanitation terms



GUIDELINES ON SANITATION AND HEALTH

THANK YOU
Let's start!



SANITATION
SAFETY
PLANNING