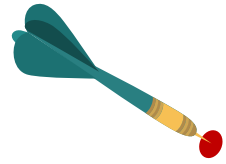




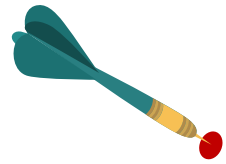
CWIS – Available resources & tools

V. Schelbert Eawag-Sandec

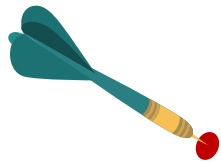
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Why do I need tools?



What tools are there?

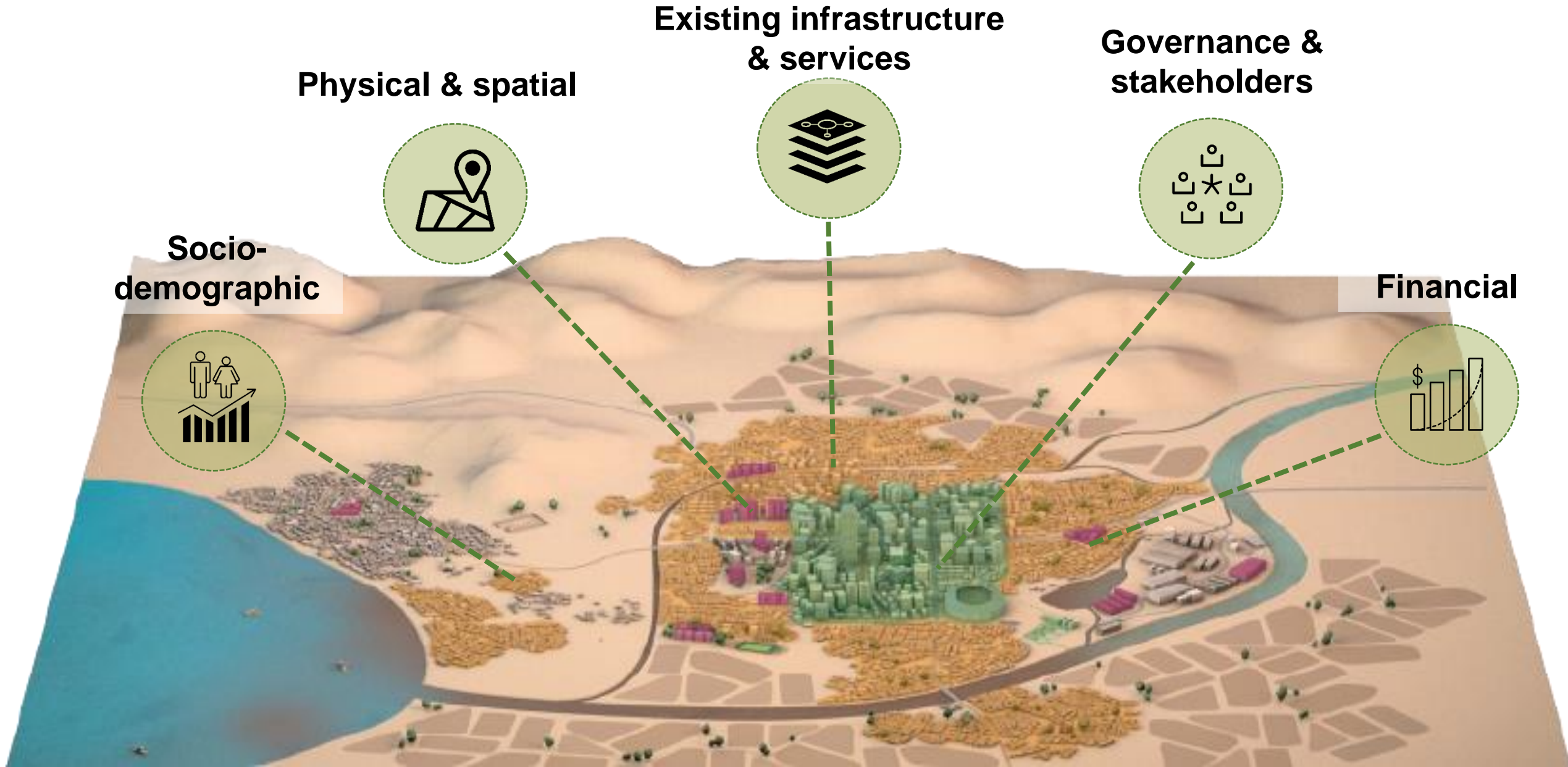


Where can I find these tools and additional resources?

Why do I need tools?

**To collect information so as to conceptualise, plan
and design from evidence!**

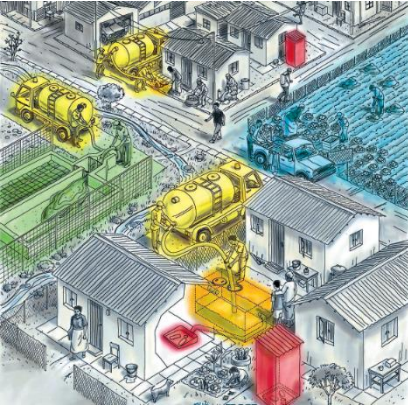
Which Data to Collect?



What tools are there?

There are quite a few. To select the right ones, we need to know what information we seek!

Goals of the Initial Situation Assessment



- Understand the physical context
- Understand the existing sanitation systems & services

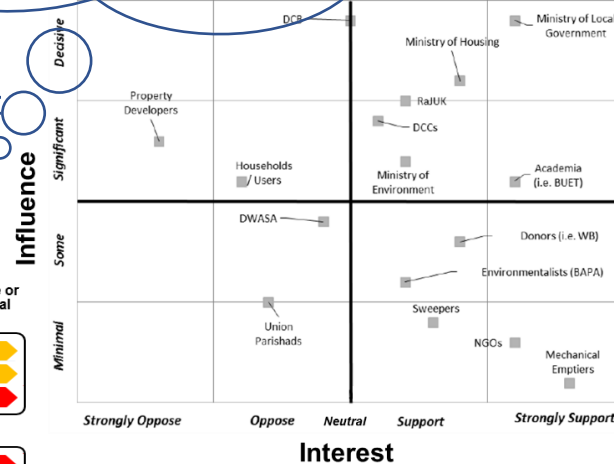
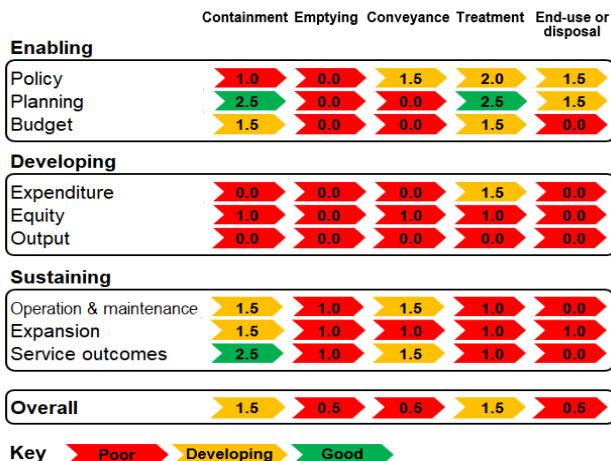
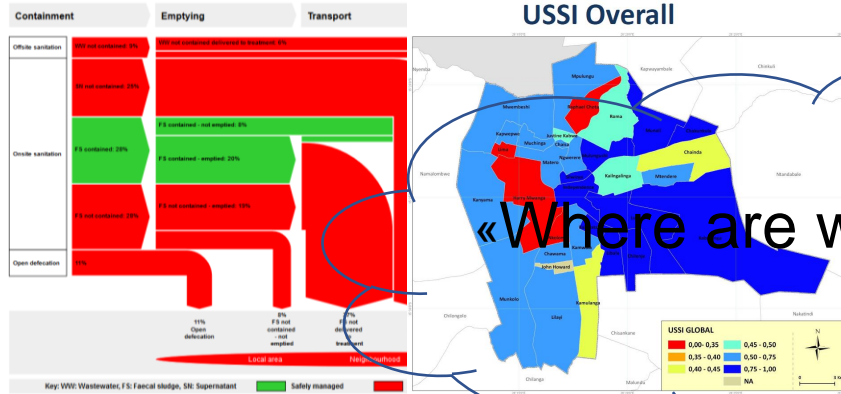
INFRASTRUCTURE & SERVICES



- Understand the institutional & regulatory framework
- Identify and get to know the stakeholders

ENABLING ENVIRONMENT

Diagnostic Tools



«What is the current situation»?

- Fecal waste flow diagram (SFD)
- Urban Sanitation Status Index

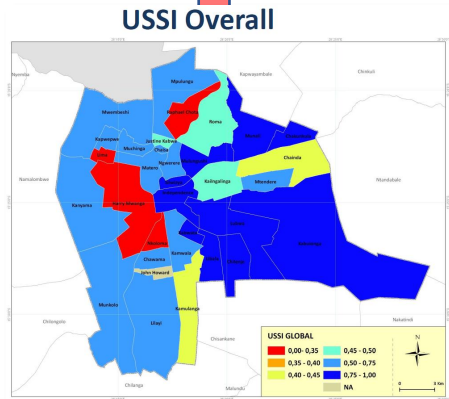
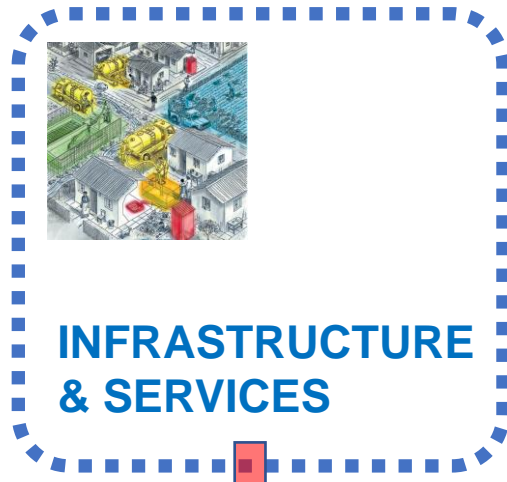
«Why is the situation the way it is»?

- City Service Delivery Assessment

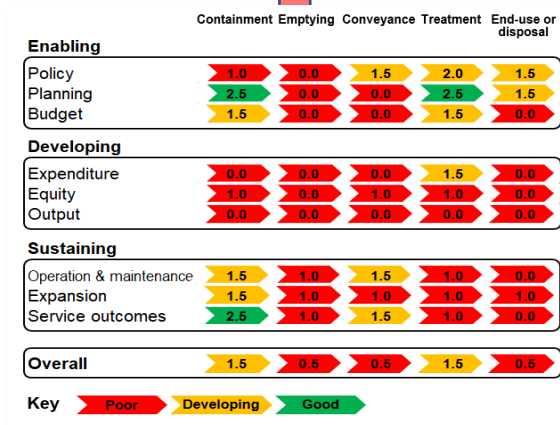
«Who has what interest and influence and why»?

- Stakeholder Analysis

Diagnostic Tools



Urban Sanitation
Status Index (USSI)



City Service Delivery
Assessment (CSDA)

Enabling Environment

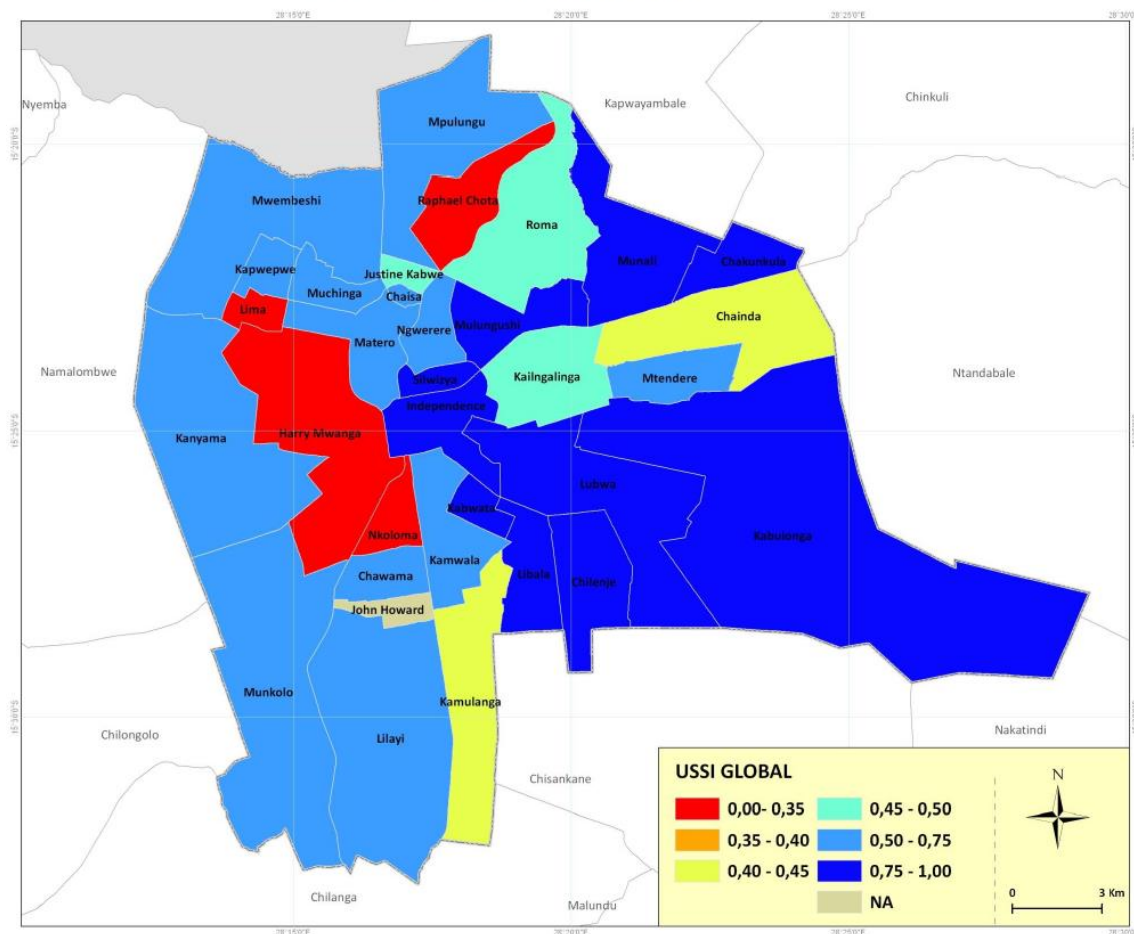
- City Service Delivery Assessment (CSDA)

Infrastructure & Services

- Urban Sanitation Status Index (USSI)

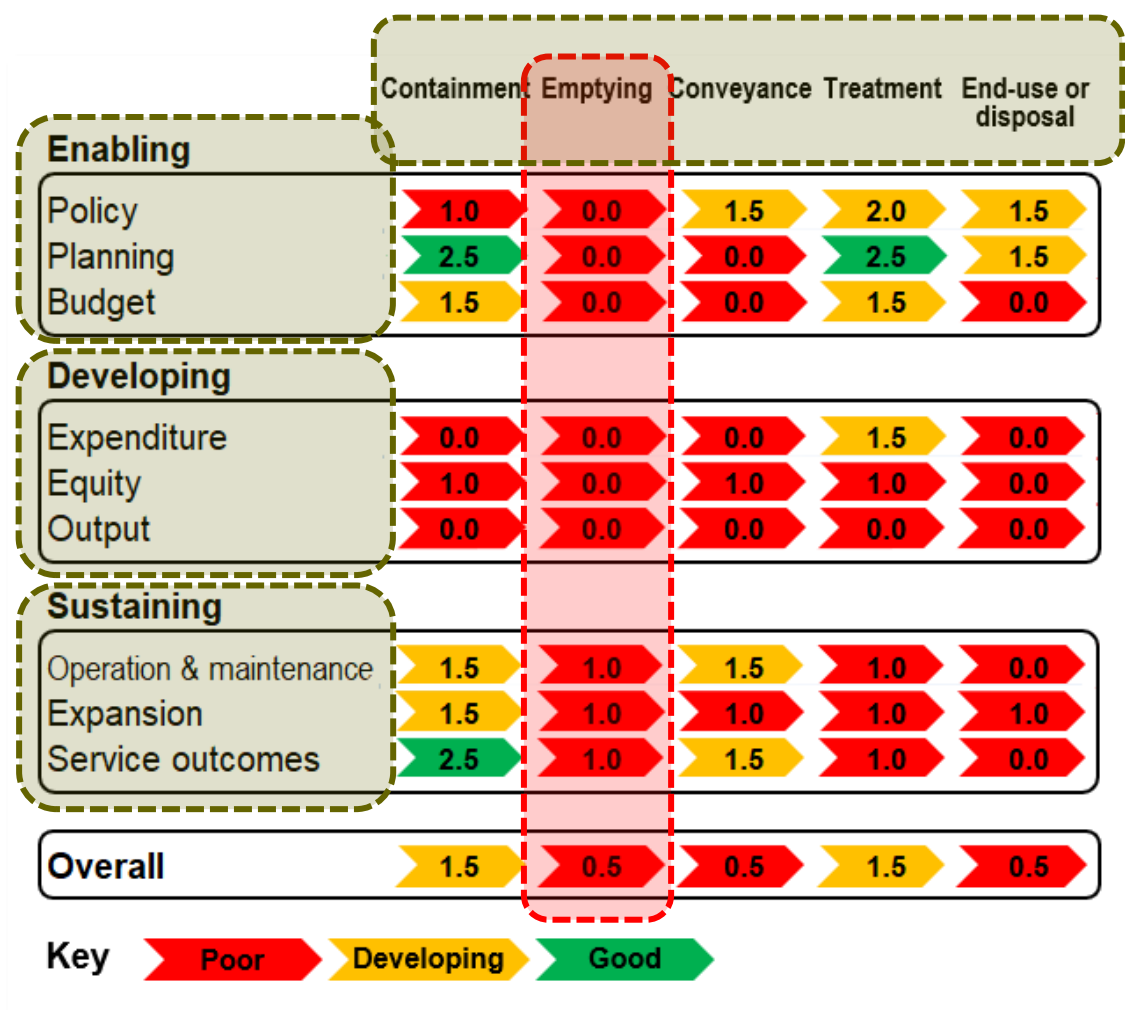
Example: Urban Sanitation Status Index (USSI)

USSI Overall



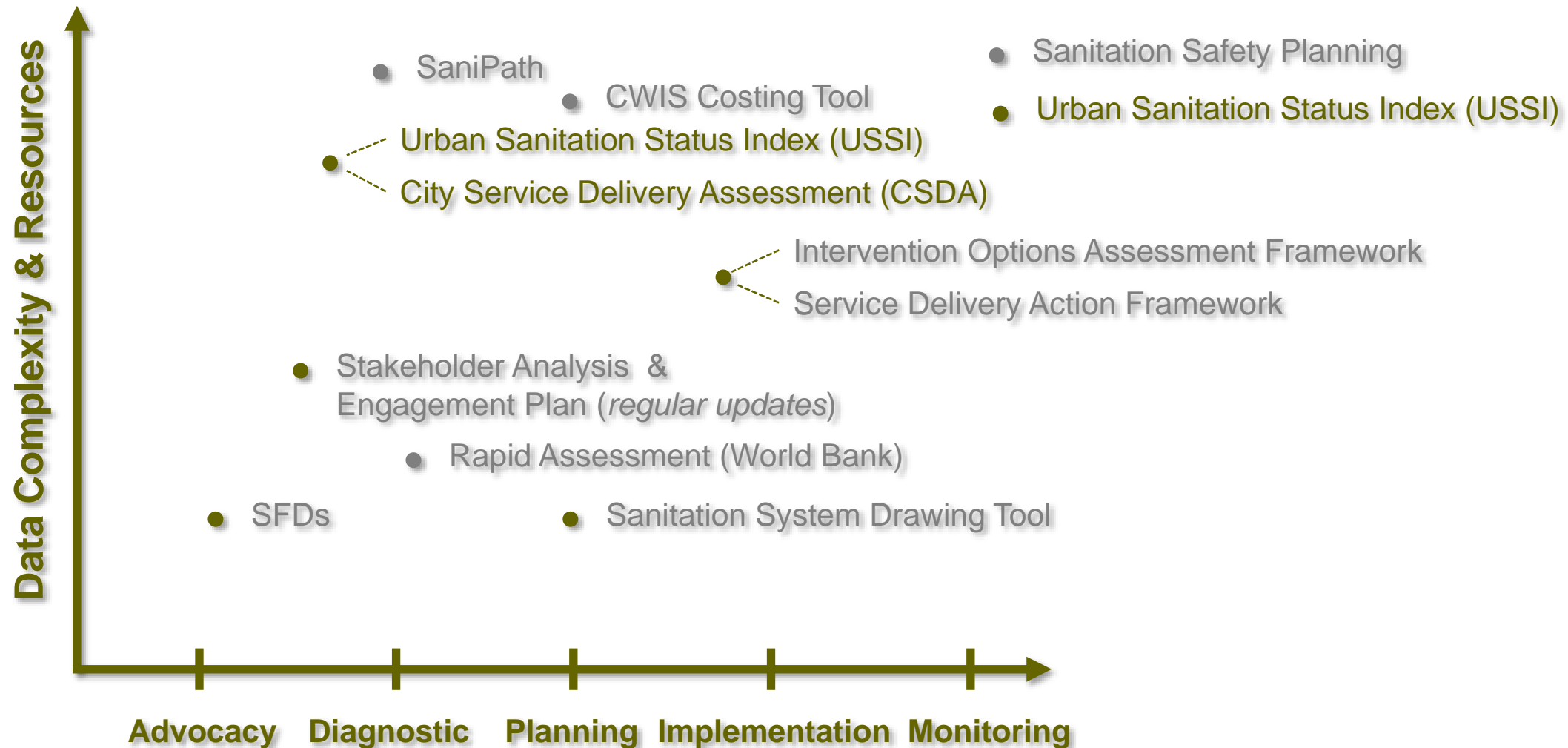
- Full sanitation service chain analysis at neighborhood level
- Strategic prioritization of investments across the city
- Presents complex situation to decision-makers intelligibly

Example: City Service Delivery Assessment (CSDA)



- Examines current status of enabling environment
 - Based on evidence, the CSDA creates traffic light diagramme
 - Based on evidence, the CSDA creates traffic light diagramme
 - Based on evidence, the CSDA creates traffic light diagramme
1. Based on evidence, the CSDA creates traffic light diagramme
 2. Based on evidence, the CSDA creates traffic light diagramme
 3. Based on evidence, the CSDA creates traffic light diagramme
- Red arrows**
Priority areas for deeper analysis
 - Yellow arrows**
Areas to build on and improve
 - Green arrows**
Doing well, focus elsewhere

Overview of Data Collection Tools



Where can I find these tools and additional resources?

No worries. Here are some relevant platforms that provide essential CWIS tools and resources!



The FSM Toolbox offers a suite of tools to assess the overall FSM ecosystem in the city and plan for infrastructure improvements

LEARN MORE



BMGF

Citywide Inclusive Sanitation (CWIS) Initiative



OVERVIEW

The Global Sanitation Crisis

Urban population growth dramatically outpaces gains in access to safe sanitation. As the world continues to urbanize, the challenges of sanitation will only grow. Not surprisingly, sanitation was an off-track Millennium Development Goal – [the target was missed by almost 700 million people](#). The World Bank helps countries address sanitation challenges: ending open defecation, improving service delivery, and closing the loop from access to sanitation facilities to sustainable management of wastewater and sludge. Learn more in this [INFOGRAPHIC](#).

[Moving from the MDGs to the SDGs](#)



RELATED

WORLD BANK
[CWIS Blog Series](#)
[CWIS Video Series](#)



World Bank

Department Sanitation, Water and Solid Waste for Development

ConCad Materials and Resources



The ConCad Materials and Resources online platform aims at providing for free all the original presentations, related literature and resources needed for the Consultant Capacity Development training developed by Eawag. It also links to the three-week Eawag ConCad MOOC. The platform comprises three parts: (i) the Core Training Material; (ii) the Resource Package and; (iii) the [YouTube Channel](#).

Core Training Material

The section comprises all the pdf files of the original presentations developed by Eawag for the three-part ConCad training workshop. Some presentations are available in two versions with Africa or Asia specific elements. The video resources related to presentations are available following each pdf list. For the country-contextualized materials, please contact the country Partner Training Institutes that provides the training.

ConCaD

SuSanA



WELCOME TO THE WORLD OF SFDs

Improving understanding of urban sanitation

Wrap-up: New generation ToRs

- 1 Comprehensive assessment
- 2 Multidisciplinary team
- 3 Mix of sanitation systems
- 4 Equity and inclusiveness
- 5 Stakeholder engagement
- 6 Focus on service delivery



- Consider the **many dimensions** of urban sanitation service provision
- Use a **mix of data collection methods and tools** to collect evidence on infrastructure & services and the enabling environment
- **Engage stakeholders** in the data collection process
- **Trade-off** between data collection and available resources



Online **ADB Sanitation Dialogue 2021**

ACCELERATING INCLUSIVE SANITATION

12–22 April 2021

Mainstreaming Citywide Inclusive Sanitation (CWIS) in ADB Operations

Christian Walder

Water Supply and Sanitation Specialist

Sustainable Development and Climate Change Department

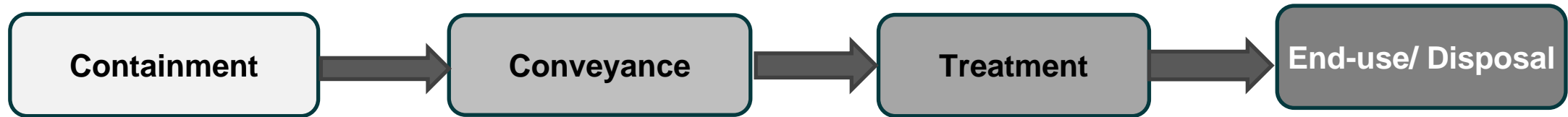
Asian Development Bank (ADB)

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What needs to change?

Investments in urban sanitation need to focus more on

- **All people** achieving safe access to sanitation services
- **More sustainable sanitation services** – financially, environmentally, technically and socially.
- **Holistic city and national sanitation policies, strategies, and investments** to address the entire sanitation service chain:



- **Institutional changes** to develop and sustain new sanitation approaches and improve public and private institutions' roles
- **Accountable systems and incentives** to monitor service performance and enable evidence-based strategic changes to optimize performance

What is City-Wide Inclusive Sanitation?

Public Health, Social,
Environmental and Economics

IMPACT

City-Wide Inclusive Sanitation

Everyone in the city has access to and benefits from sustainable sanitation services, and human waste is safely managed along the whole sanitation service chain

OUTCOME

Capable Institutions

- Political priority
- Accountable, mandated institutions

Safe and Reliable

- Diverse technical solutions
- Regulation & enforcement

Equitable & Inclusive

- Allocation of resources and design of tariffs
- Gender & social inclusion

Sustainable

- Motivated, equipped capacity to sustain
- Viable service providers
- Recovery & reuse

ELEMENTS

- ✓ Evidence-based
- ✓ Incremental process, with realistic, feasible steps
- ✓ Coordinated with: water, drainage and solid waste management

- ✓ Integrated with overall urban development planning
- ✓ Community engagement & behaviour change
- ✓ Capacity building for public and private sector
- ✓ Part of long-term strategies using adaptive planning

HOW

Title (will be hyperlinked to GN)
What is CWIS and why is it important? *
Learning from practice: CWIS examples: <ul style="list-style-type: none"> • Policy and Institutions • CWIS Strategy
Clarifying Institutional responsibilities

Title
TA contracts for CWIS and working with consultants
Developing CWIS Terms of Reference

Title
CWIS Inclusion and sustainability checklist
Increasing gender and social inclusion in sanitation projects
Financing services for the poor
Types of sewerred and non-sewerred sanitation systems *
Selecting technology for O&M
Sustainable sewerage * and treatment options *

Title
DMF CWIS Matrix and Masterlist of indicators
Sample CWIS DMFs

Country Partnership Strategy/
Regional Cooperation Strategy

Completion/
Evaluation



Preparation

Approval

Implementation

ADB Project Cycle and CWIS Guidance Notes

The diagram shows where the GNs are targeted, but they will also be useful at later stages in the project cycle too.



Online **ADB Sanitation Dialogue 2021**

ACCELERATING INCLUSIVE SANITATION

12-22 April 2021

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The CWIS Knowledge Hub is a curated short selection of urban sanitation resources, tools, and other materials on the concept and principles, design, and implementation of citywide inclusive sanitation (CWIS). ASD 2021 participants are encouraged to use these materials to learn more about CWIS, as a complement to the knowledge and practical solutions from the ASD webinars and workshops.

Tools and diagnostics

- Sustainable Sanitation and Water Management Toolbox
- Fecal waste Flow diagram (SFD)
- City Service Delivery Assessment for Citywide Inclusive Sanitation
- FSM Toolbox

CWIS Guidance Notes

- GN:1b What is CWIS?, 24 Mar 2021 ASD Version
- GN:7 Addressing GESI in Urban Sanitation, 24 Mar 2021 ASD version
- GN:8 Financing Mechanisms, 24 Mar 2021 ASD version
- GN:9a Sanitation systems selection, 24 Mar 2021 ASD Version
- GN:10 Technology choices for OM, 24 Mar 2021 ASD version
- GN:11a Alternative sewerage options, 24 Mar 2021 ASD version
- GN:11b Alternative sewerage systems, 24 Mar 2021 ASD version
- GN:12a Options for wastewater and FS treatment, 24 Mar 2021 ASD version
- GN:12b Options for wastewater, septage and FS treatment, 24 Mar 2021 ASD version