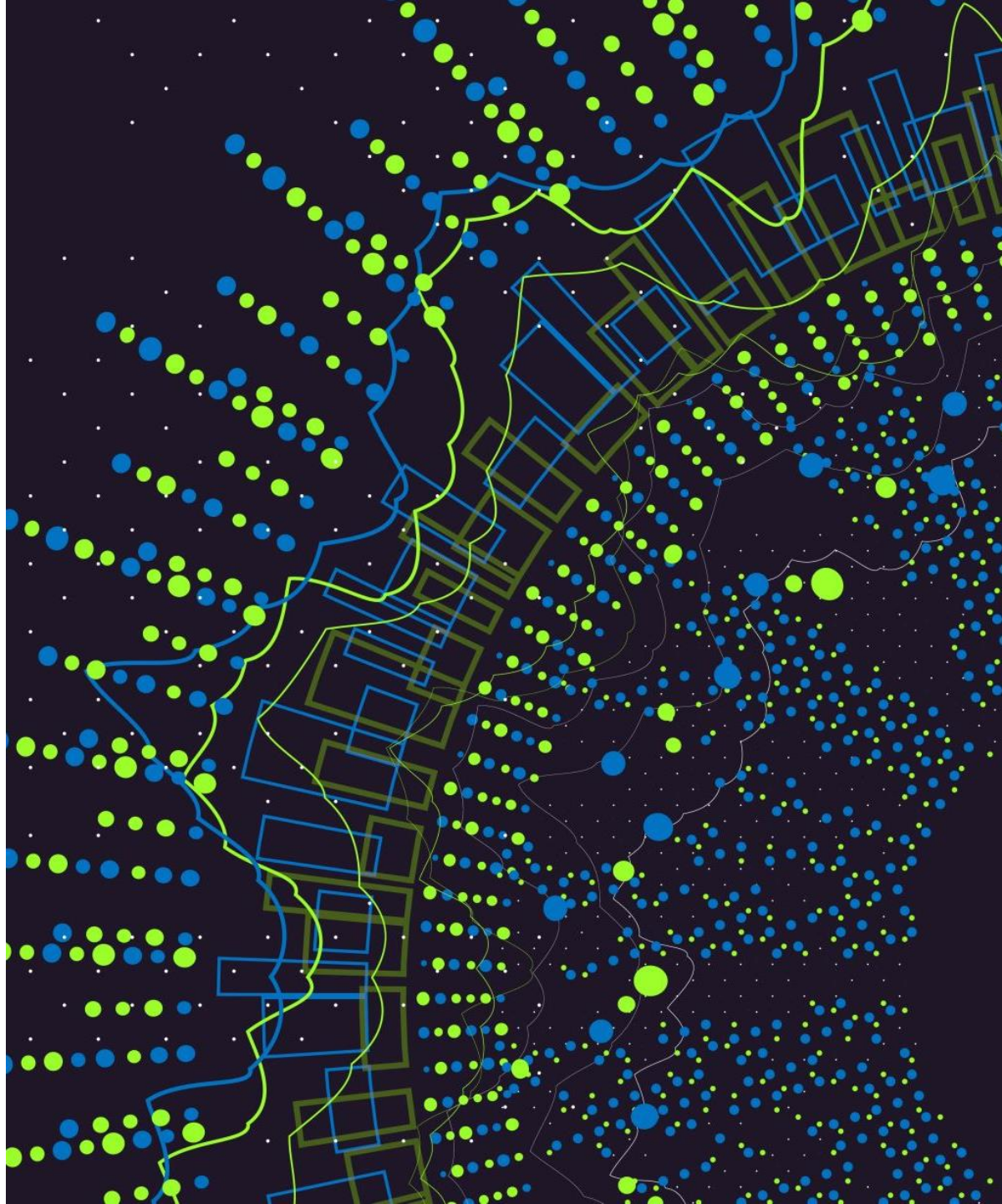
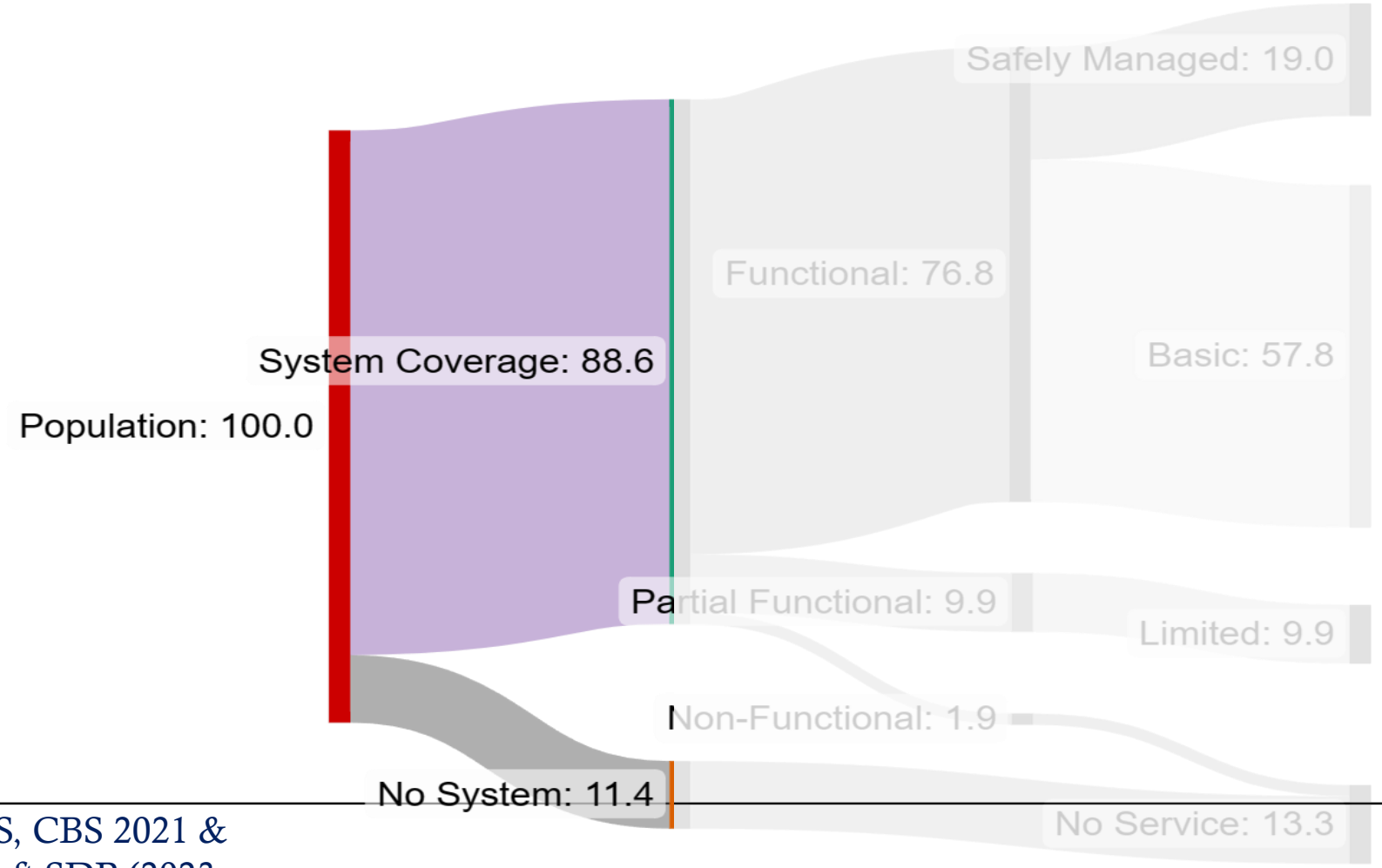
OVERVIEW OF WASH SECTOR AND ROLE OF NEA IN KNOWLEDGE BROKERING

Er. Rajit Ojha, PhD

Senior Divisional Engineer, DWSSM

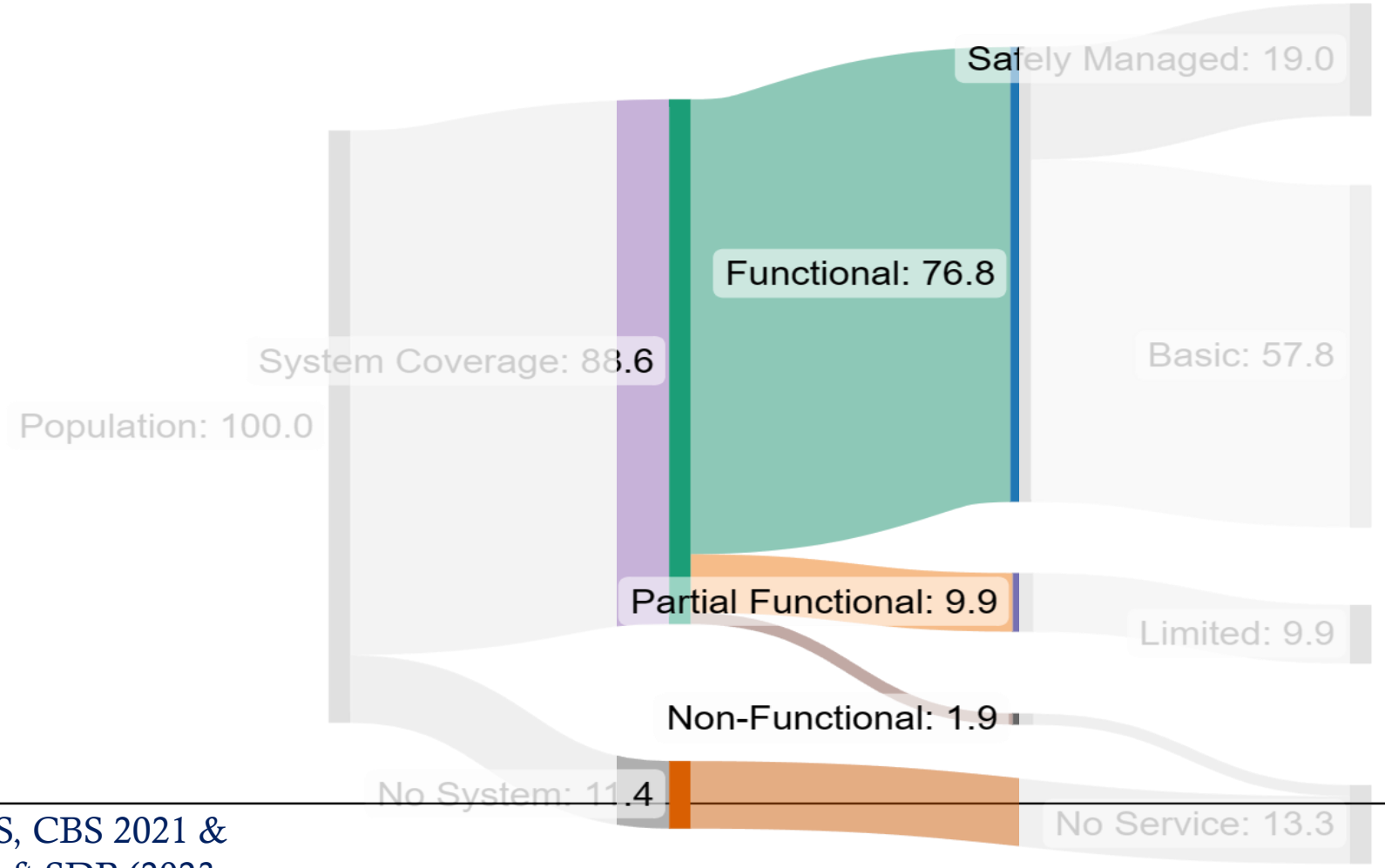


Water Supply Services



Source: NWASH-MIS, CBS 2021 & MICS 2019; Draft SDP (2023-2043)

Water Supply Services



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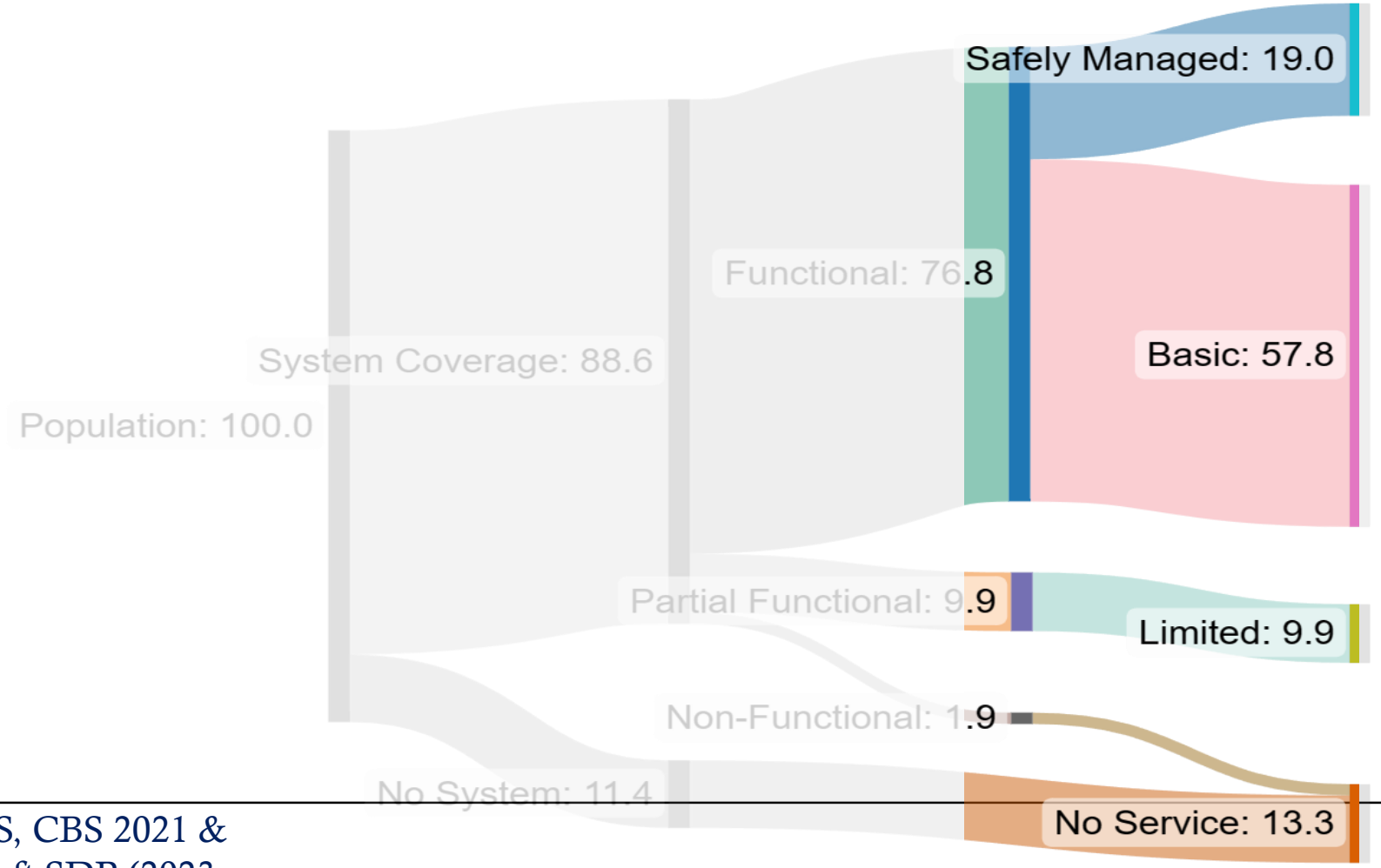
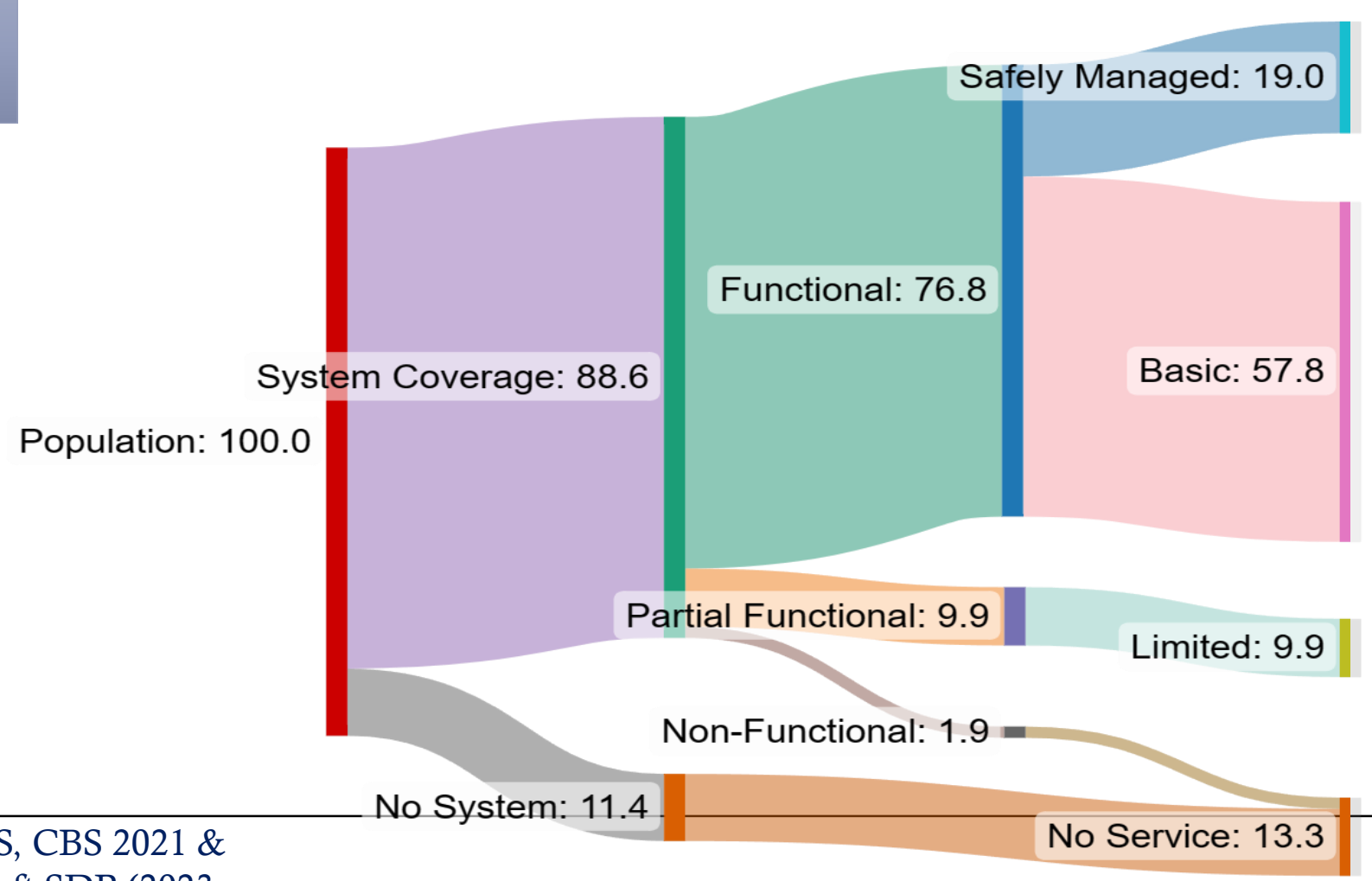
Water Supply Services



Source: NWASH-MIS, CBS 2021 & MICS 2019; Draft SDP (2023-2043)

Water Supply Services

No quantitative data created so far!!

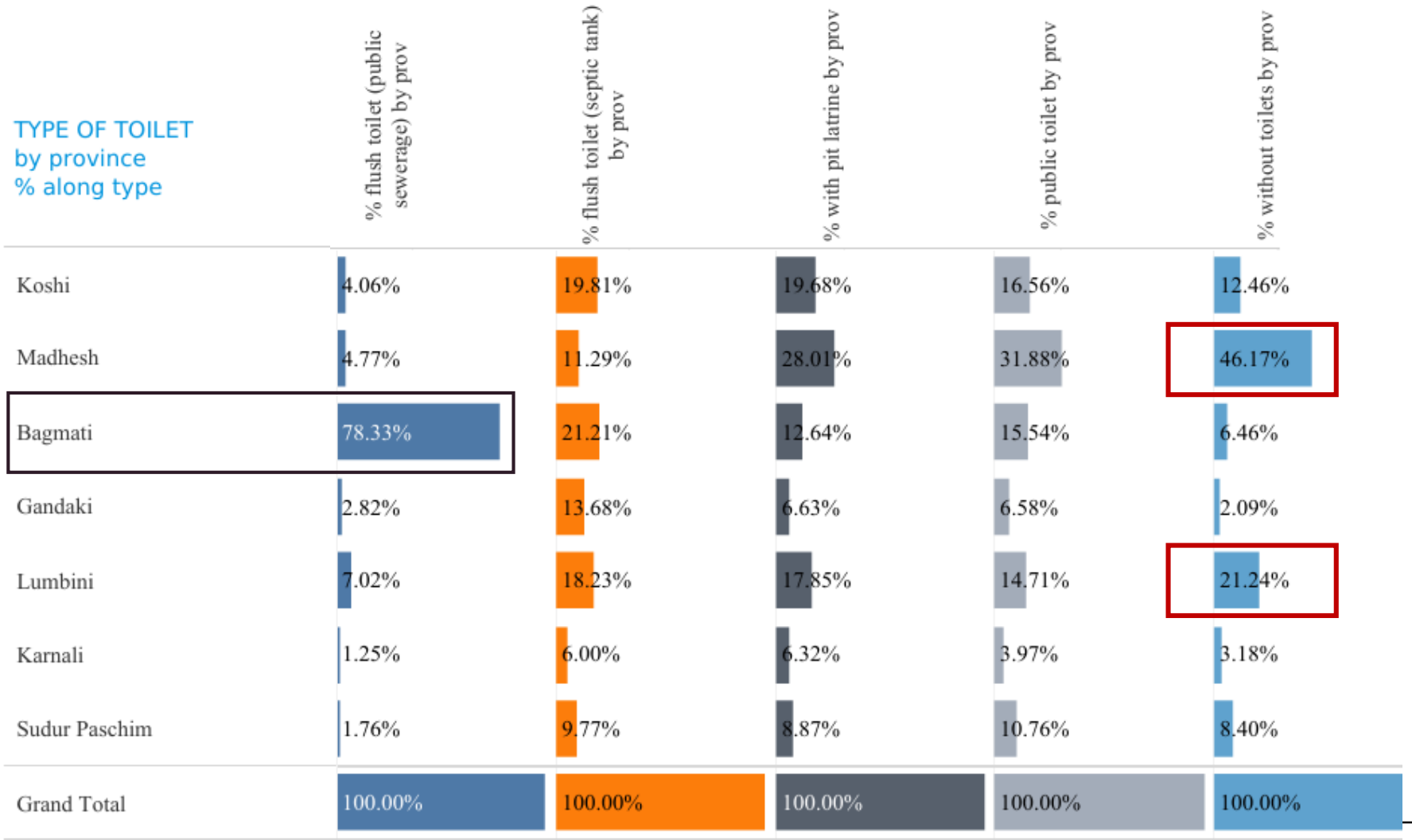


Quality & Quantity

Improved Source and Quantity Ok

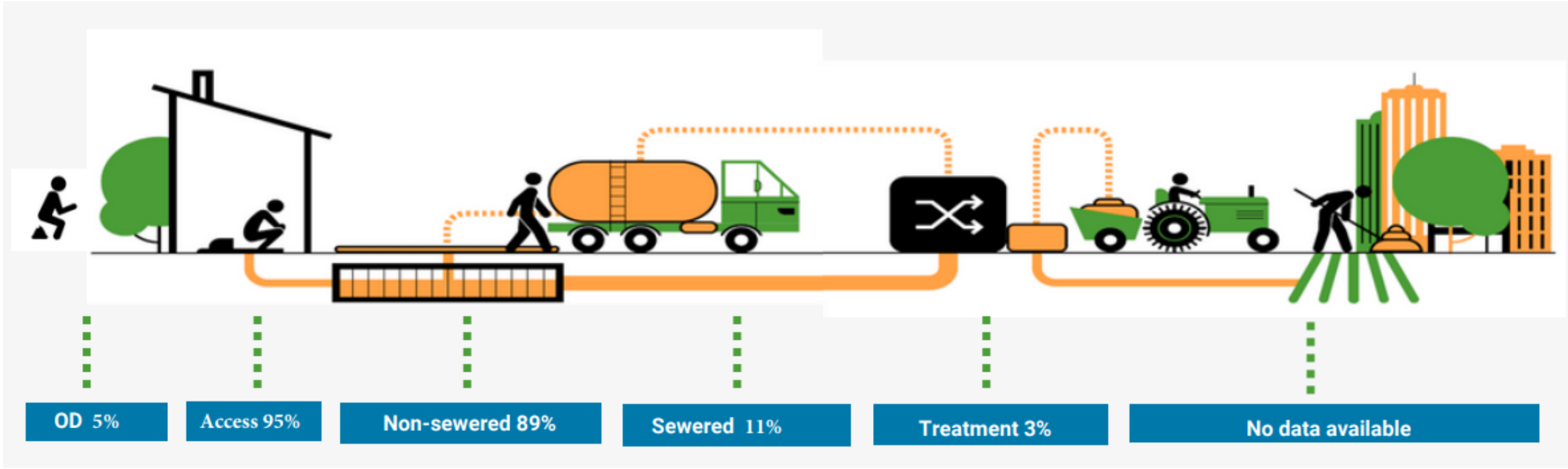
Source: NWASH-MIS, CBS 2021 & MICS 2019; Draft SDP (2023-2043)

Sanitation Services and Hygiene

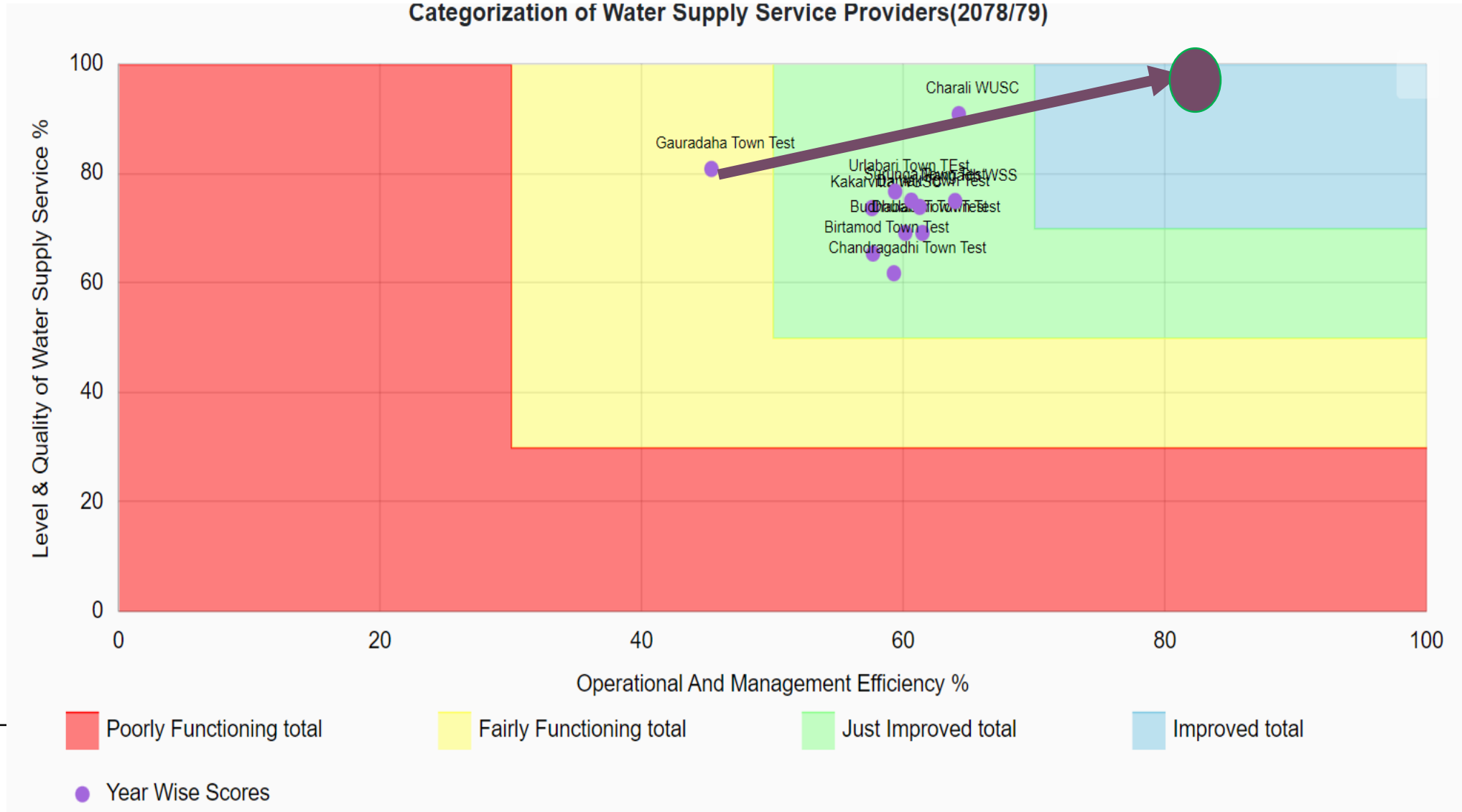


Source: CBS 2021
Analysis Support: Unicef

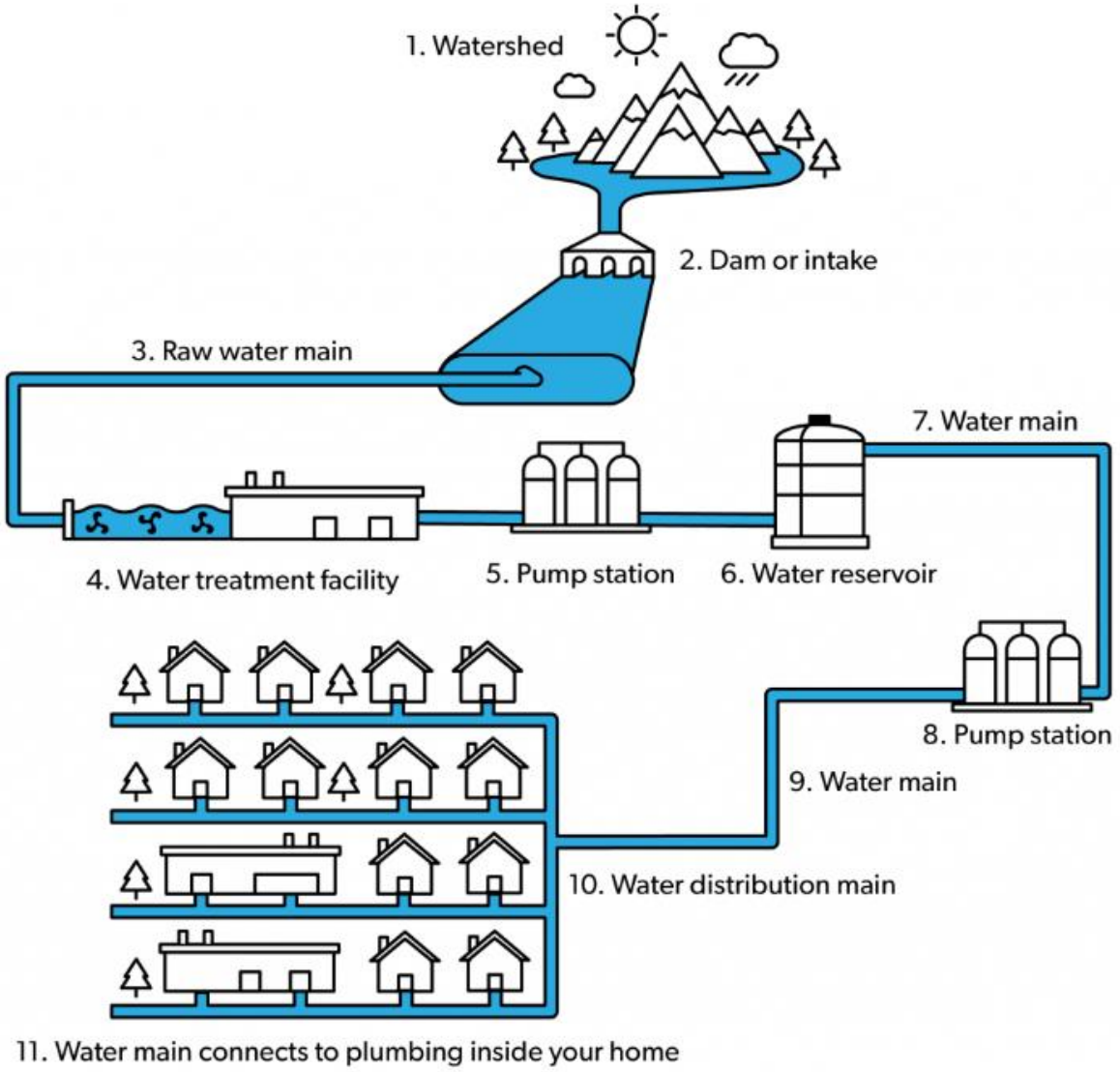
Sanitation Value Chain



IDENTIFY WHERE YOU ARE.. PLAN WHERE YOU WANT TO BE

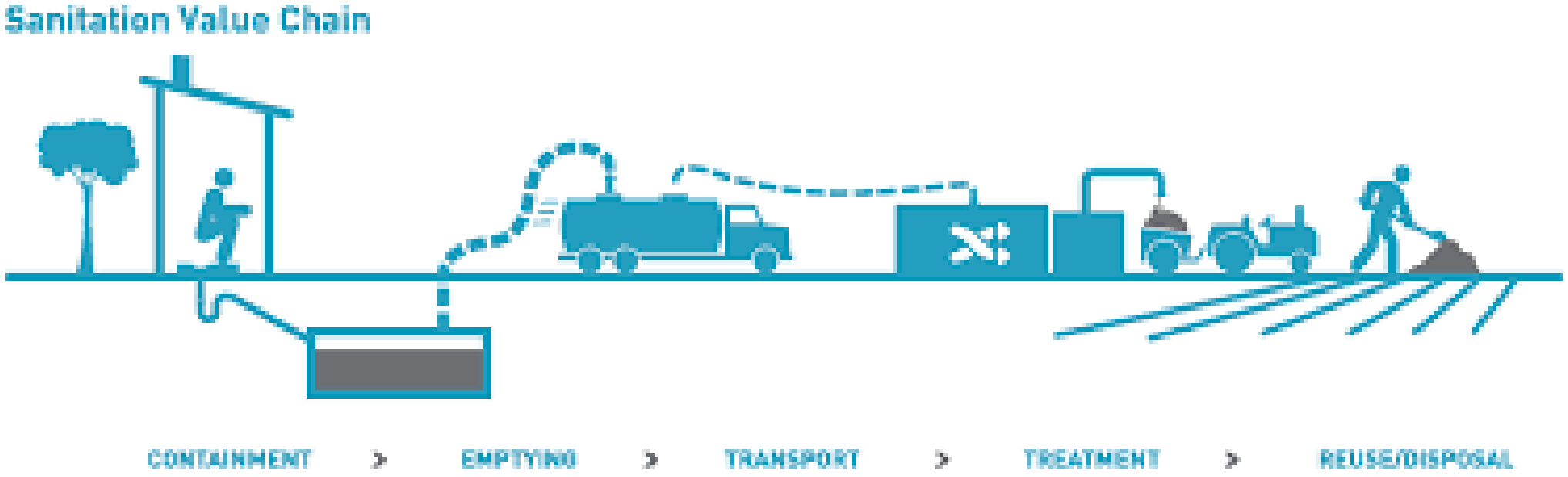


TYPICAL COMPONENTS -WSS



Source: https://opentextbc.ca/plumbing3b/chapter/describe-water-services/

TYPICAL COMPONENTS –SANITATION VALUE CHAIN



Different technological choices /different opportunities /different challenges

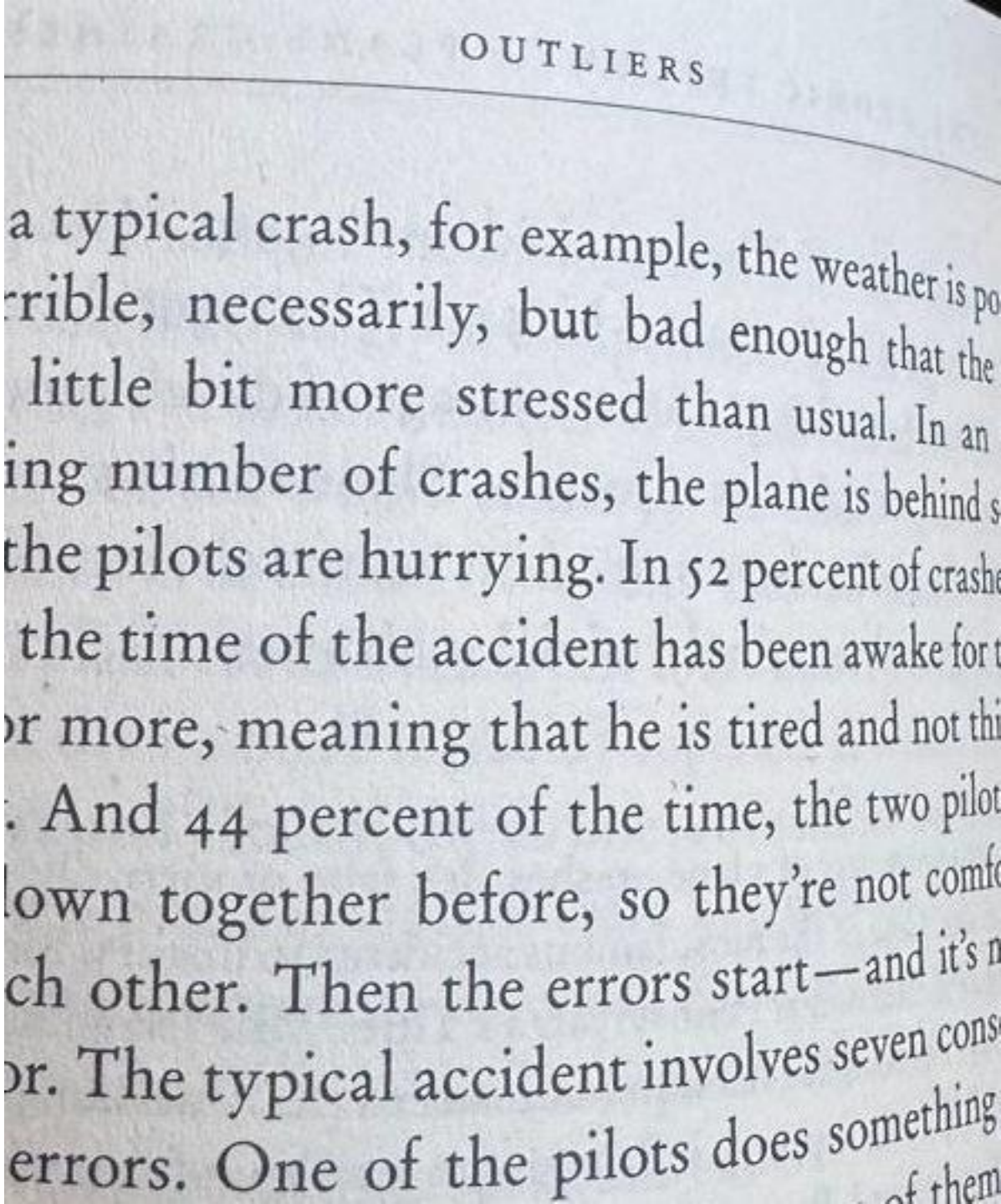
WASH System

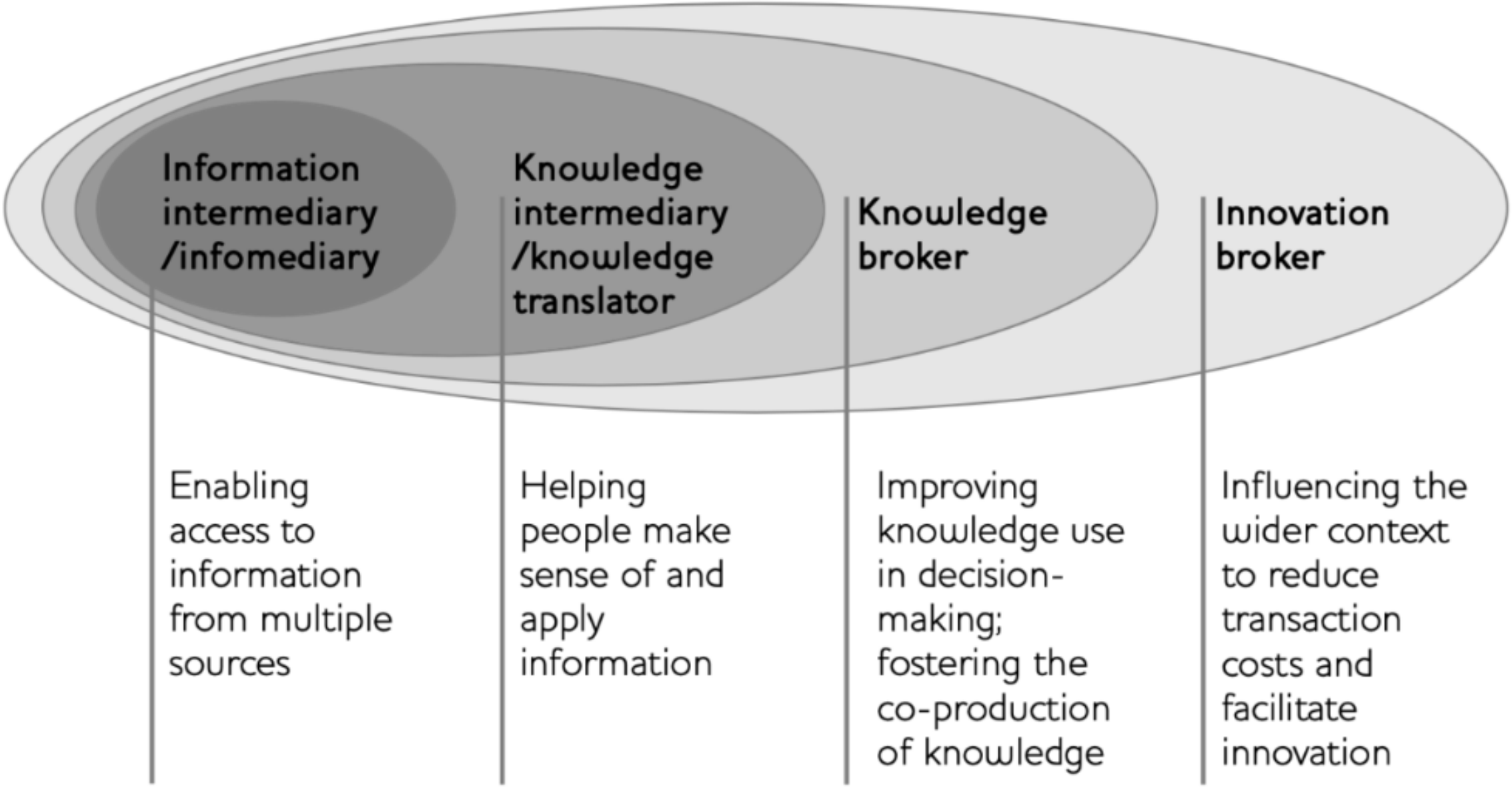
FIGURE 6. NINE ESSENTIAL BUILDING BLOCKS OF THE WASH SYSTEM, AS DEFINED BY IRC

Source: IRC WASH

WHAT IS KNOWLEDGE BROKERING?

MY DREADFUL STORY INSIDE A PLANE THAT MADE ME REALIZE …

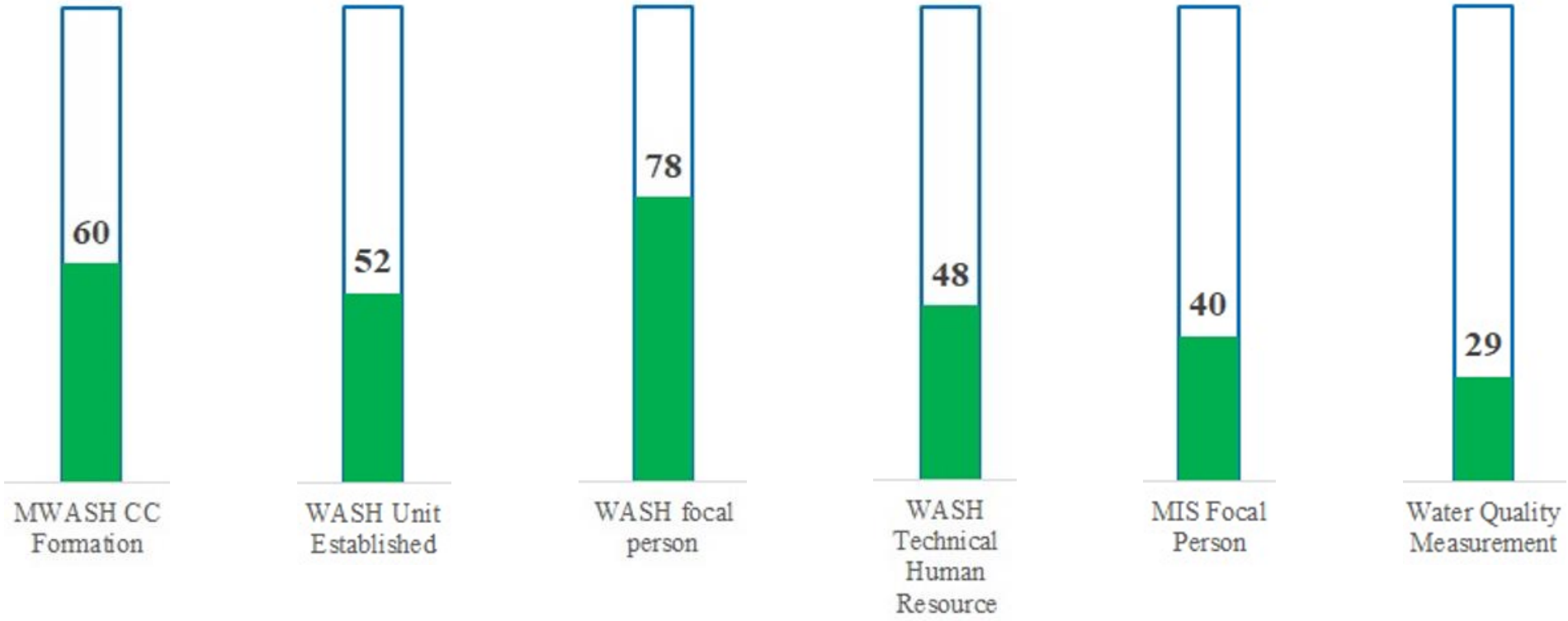




A spectrum of intermediary and brokering functions (from Harvey et al. 2012)

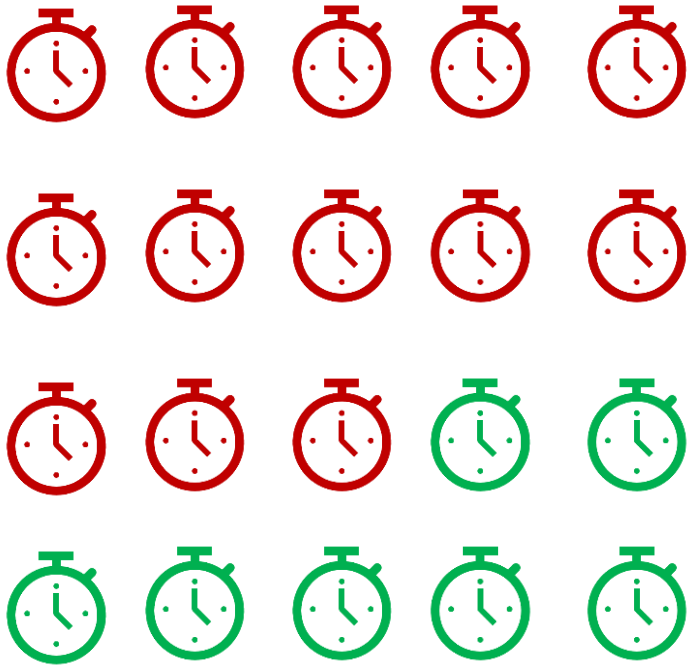
https://research.csiro.au/integration/knowledge-brokering/

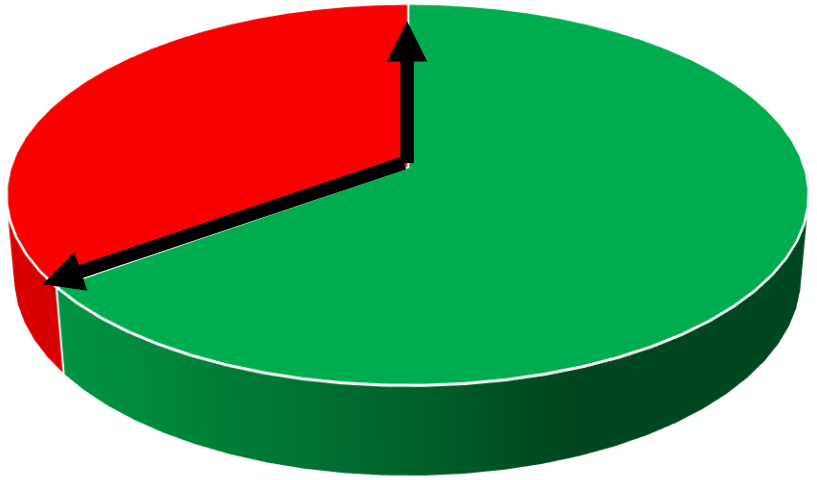
WASH Governance at LG



WASH GOVERNANCE (OUT OF 130 LGs)

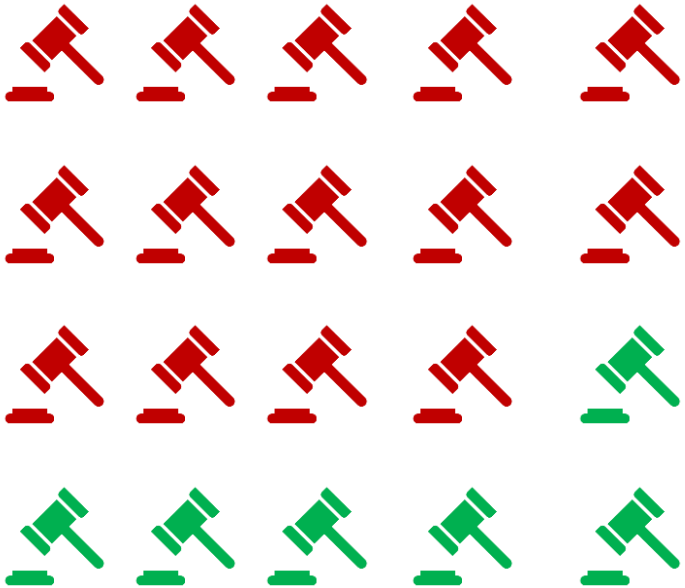
Source: NWASH - MIS





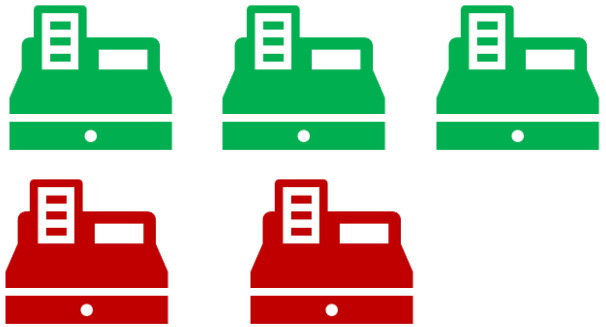
13 out of **20** service providers are not providing 24 hour service ,mentioned in the project documents

Average water supply per day **13** hours



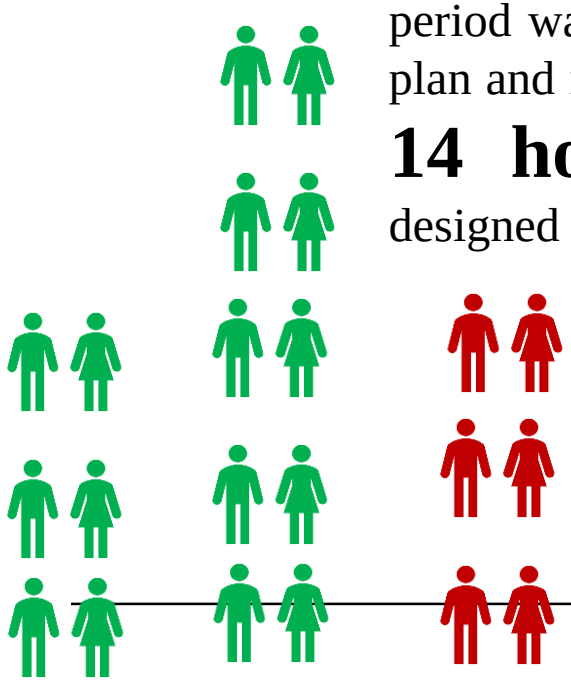
14 out of **20** service providers are not following the tariff discipline

Only **1** out of **3** service providers have more than 90% tariff collection efficiency



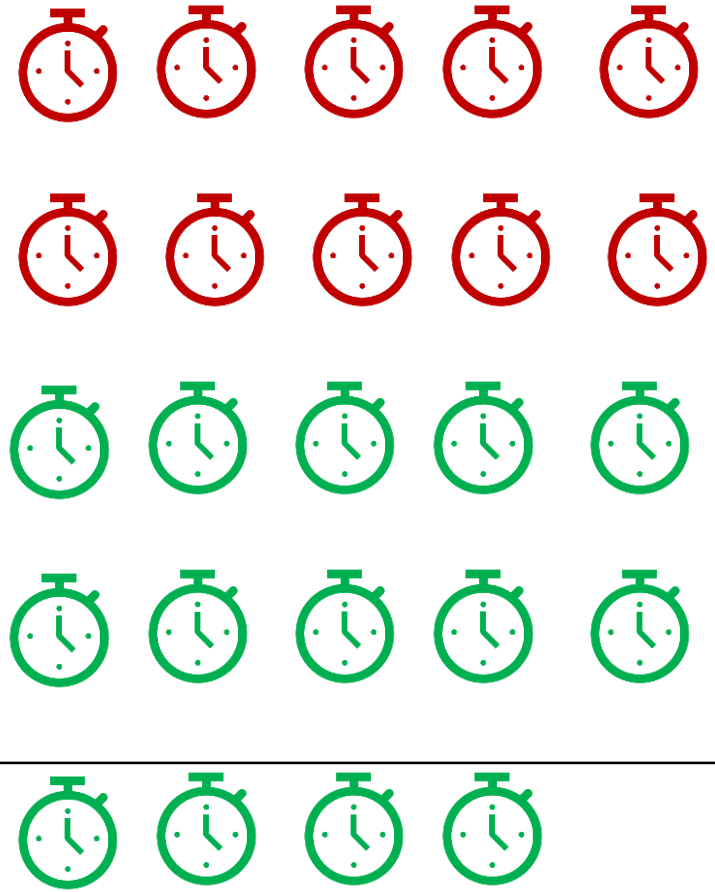
Only **3** out of **5** service providers are able to pay their debts regularly

LWSSP is already handling **more than 60%** of the designed population. Design period was over in 2020. There was no business plan and no proper expansion plan resulting only **14 hour of service** compared to designed 24 hours of service



Surveyed Designed

Expanded without following the hydraulic modeling and technical standards

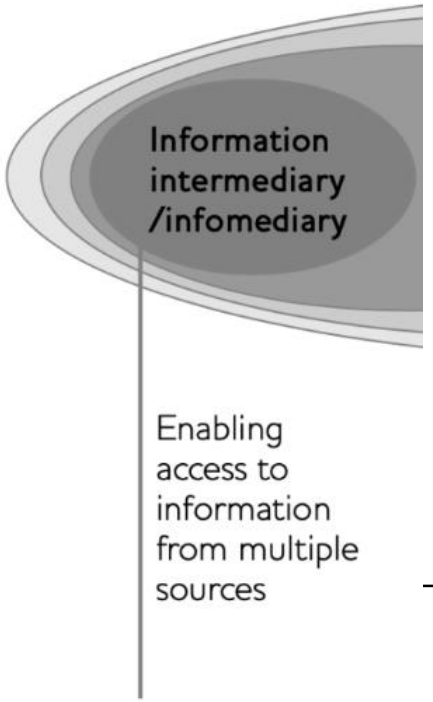


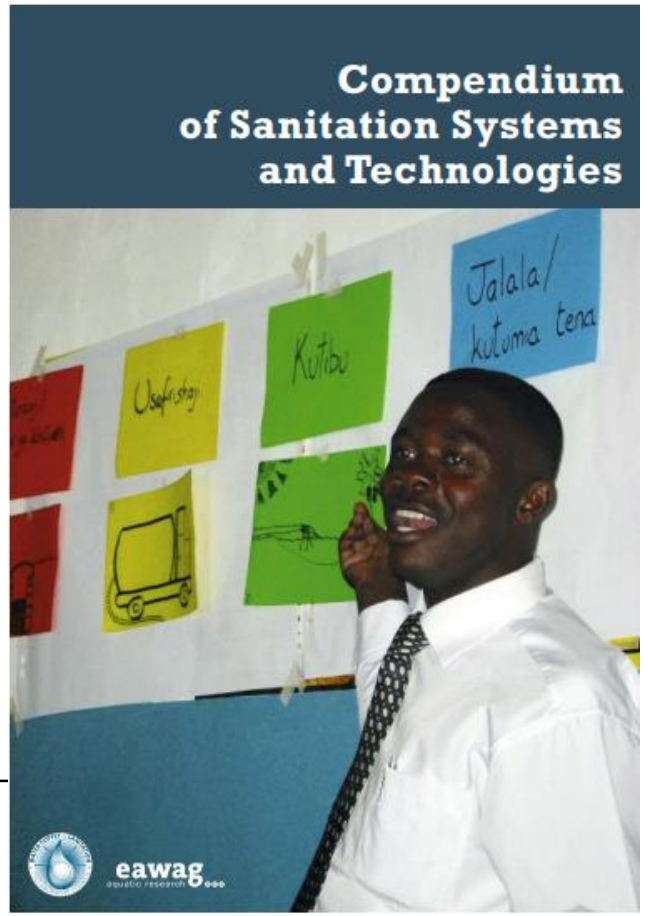
ON THE OTHER HAND ..THERE IS VERY LESS THAT NEEDS TO BE BUILT AND VERY HIGH THAT NEEDS TO COMMUNICATED

FEW EXAMPLES:

VOLUME -12 PREPARED BY DWSSM IS NOT SHARED AMONG

THE ENGINEERS WORKING IN LG'S YET





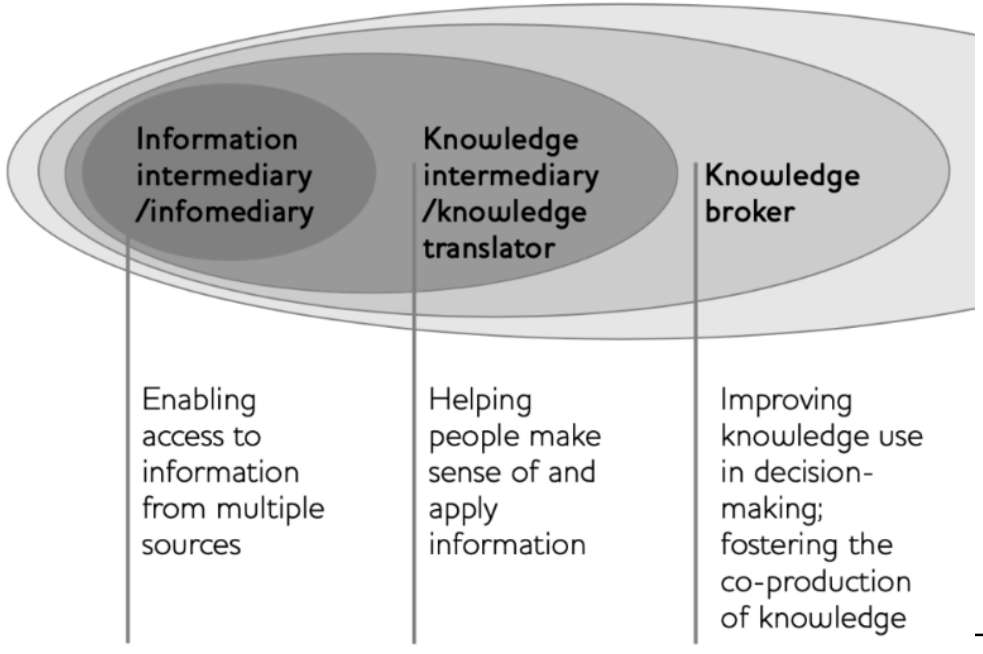
HOW CAN WE MAKE SENSE OUT OF IT? FEW EXAMPLES

Analysis of Demography

Analysis of geography

Analysis of cultural practices etc.

WHAT COULD BE IMPROVING KNOWLEDGE USE ?



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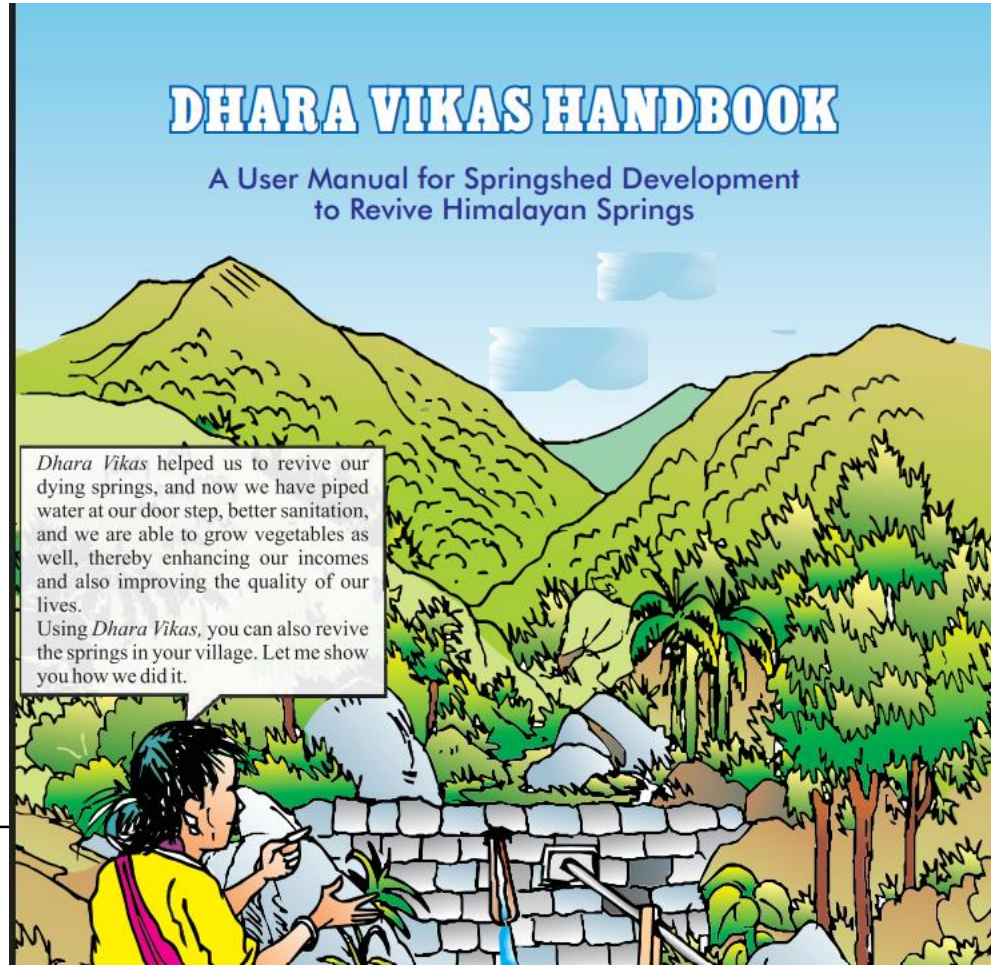

HOW CAN NEA BE PART OF IT?

COMMUNICATION ARRANGEMENTS

KNOWLEDGE REPOSITORIES

SKILL GAP FORMS (DIGITAL REQUEST FORMS)

SERVICE BARRIER ASSESSMENT AND ROOT CAUSE ANALAYSIS

CAPACITY BUILDING INTIATIVES

NETWORKING (NATIONAL & INTERNATIONAL- SOPHEN, IWA ETC.)

JOINT PROGRAM DESIGNS (NWSSTC,NASC,LDTA ETC.)