



CAPABILITY STATEMENT

CAWST
Services
to Scale
Inclusive &
Sustainable
Sanitation

NON-NETWORKED SANITATION

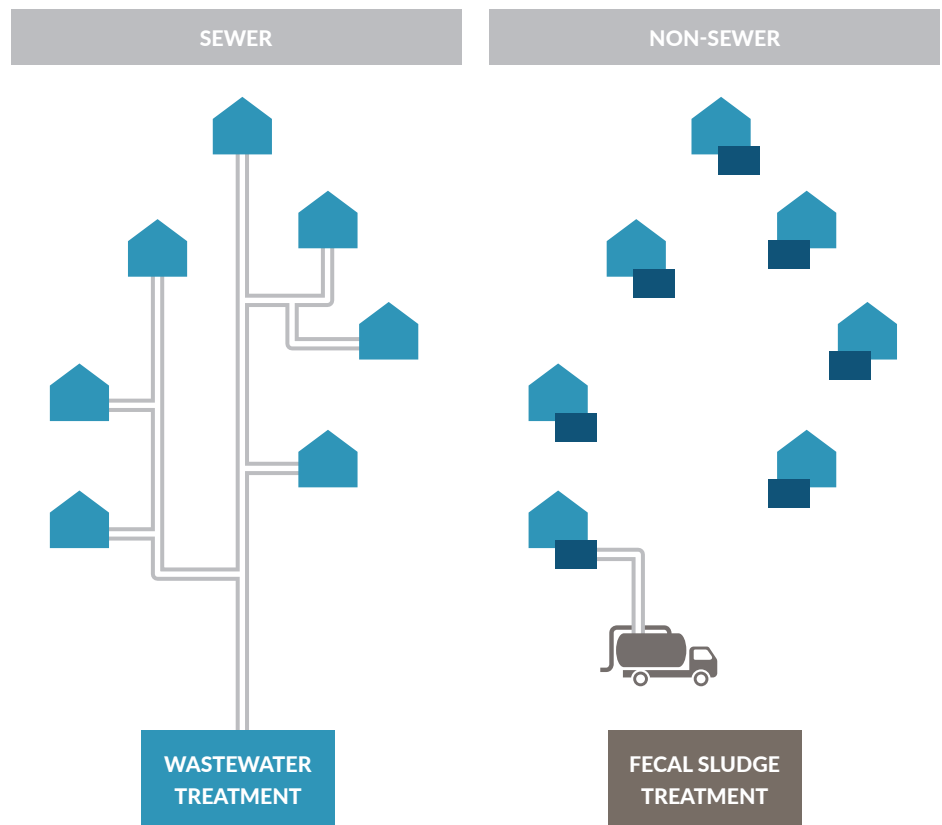
CAWST focuses on capacity development services that contribute to the conceptualization, planning, design, implementation, and management of non-networked sanitation solutions so that everyone can be reached with safely managed sanitation.

To reach everyone with safely managed sanitation services (SDG 6.2), a range of options are required from centrally treated sewerage to more decentralized, non-networked options.

Given the history of sewers and their link to modernization, sanitation plans often focus on sewer upgrades and drainages rather than services that enable the existing non-networked systems to function over the long-term. Services such as emptying, fecal sludge

treatment, and proper disposal or reuse that form part of the solution are often under-resourced and difficult to realize.

Today non-networked systems serve approximately 40% of all households globally (JMP). The management of these systems must be prioritized to reach everyone, especially the most vulnerable. Furthermore, behind the management there need to be people with the relevant knowledge, skills, and motivation to realize these services.



Non-networked sanitation solutions are indispensable to achieve Sustainable Development Goal (SDG) 6: access to sanitation facilities for everyone by 2030

OUR SERVICES

CAWST designs and delivers capacity development services to meet the needs and preferences of sanitation stakeholders and decision makers, such as mayors, municipalities/utilities, empliers, masons, and NGOs that deliver non-networked sanitation services.



TRAINING & FACILITATION

Combining theory and hands-on practice to facilitate learning for participants to be able to implement basic sanitation solutions. Training opportunities include:

- Solving the Sanitation Crisis through Citywide Inclusive Sanitation (CWIS): Demand Creation for Mayors¹
- Introduction to CWIS Planning for Municipalities /Utilities¹
- A First Step Toward CWIS: Planning Fecal Sludge Management (FSM) for Municipalities²
- Introduction to FSM³
- Latrine Program Design
- Latrine Design & Construction
- Environmental Sanitation



TECHNICAL ASSISTANCE

Going beyond training with customized services to identify and support organizations to overcome their barriers to implementation



INSTRUCTIONAL DESIGN

Working closely with training organizations to build their capabilities so that they can design and deliver sanitation training programs by applying the principles of adult learning and participatory techniques



OPEN CONTENT RESOURCES

Open content, downloadable sanitation education and training resources, including competency frameworks, case studies, technical briefs, and training manuals



INFORMATION SHARING

Synthesizing and simplifying information to meet the needs of the end-user, including facilitating exchanges and innovative modes of sharing, such as microlearning



RESEARCH DESIGN

Applying experience to evaluate WASH related needs, technical and training competencies, behavior adoption, and organizational change



MONITORING & EVALUATION

Utilizing qualitative and quantitative approaches to monitor progress, outcomes, and impact

In partnership with:

¹ 500B Solutions & ENPHO

² ITN-BUET

³ EAWAG



FOCUS AREAS:

RESILIENT AND APPROPRIATE ONSITE SANITATION
SYSTEM SELECTION & INSTALLATION

CAPACITY DEVELOPMENT TO ENABLE NON-
NETWORKED SANITATION SERVICE DELIVERY

ALTERNATIVE NON-SEWERED SANITATION
MANAGEMENT APPROACHES

SANITATION KNOWLEDGE MANAGEMENT

PROJECT HIGHLIGHTS

RESILIENT AND APPROPRIATE ONSITE SANITATION SYSTEM SELECTION & INSTALLATION

- **2014** Latrine Design & Construction workshop development to guide the siting, selection, and construction of onsite sanitation systems
- **2017** Evaluation of latrine adoption with Helvetas Haiti, reviewing the impact of trained masons and community agents on the purchase or construction of latrines
- **2018** Latrine Program Design workshop development
- **2020-2021** Suite of microlearning resources related to pit excavation and lining to troubleshoot collapsing latrines

“

CAWST is good at fecal sludge management sector coordination at a larger scale. For example, they mobilized African Pit Emptying businesses into one entity for improved service delivery.”

BRIAN MULENGA, TECHNICAL ADVISOR, WATER FOR PEOPLE, MALAWI

CAPACITY DEVELOPMENT TO ENABLE NON-NETWORKED SANITATION SERVICE DELIVERY

- **2016** NIUA India Sanitation Capacity Building Platform (SCBP) design, a knowledge hub for information sharing, collaboration, and training among local organizations and government bodies
- **2017** AIT FSM Toolbox Training development
- **2019** Facilitation of Pan African Association of Sanitation Actors (PASA) Capacity Development vision and strategy
- **2019-2020** African Water Association (AfWA) collaboration to assess & build capacity of regional implementing partner organizations for AfWA sanitation operator partnership program
- **2018-2020** Co-design and pilot of CWIS through FSM training for municipalities in Bangladesh and training evaluation with ITN-BUET
- **2018-2019** Co-design and pilot of CWIS Demand Creation training for Nepali mayors and CWIS Planning workshop for Nepali municipalities with ENPHO and 500B Solutions
- **2021** Webinar Series: Connecting the Disconnected: Maintaining Knowledge Sharing Among Non-Sewered Sanitation Operators in the Age of COVID-19

ALTERNATIVE NON-SEWERED SANITATION MANAGEMENT APPROACHES

- **2016** Co-developed, with EAWAG, Introduction to FSM Workshop
- **2018** Developed Emptying Service Competencies to better serve emptying sanitation professionals and facilitate coordination among capacity builders
- **2019** Troubleshooting practices to empty septic tanks in Honduras with Pure Water for the World in the absence of formal emptying services
- **2021** Created sanitation & FSM microlearning resources for emergencies and humanitarian crisis

SANITATION KNOWLEDGE MANAGEMENT

- **2017** Knowledge Management Market Study with seecon to determine how SuSanA members prefer to share and learn to inform SuSanA's communication strategy
- **2018** Sanitation Training Resource extension to SuSanA library
- **2019** Development of washcapacity.info catalog of capacity strengthening actors focused in non-networked sanitation
- **Coming soon:** Virtual benchmarking of Fecal Sludge Treatment Plants and emptying equipment options

“Thank you for your help and support. With your help, our local team is ready to provide technical support and advice to their communities in latrine construction to help villages meet their target of being open defecation-free.”

SAYASIN KHONGSAVATH, WASH COORDINATOR, WORLD VISION LAO PDR



RESULTS & REACH

Since 2001, CAWST has:

Served over
1,500
clients

Worked in
87
countries

In collaboration with

7 Water Expertise and
Training Centre partners and

8 training partners,

who increase knowledge and skills

“

“The course helped us learn from our real-life experience and understand the topic better. We will be implementing these experiences in our [municipalities] in the future.”

COURSE PARTICIPANT IN CAWST/ITN-BUET FSM IN CITIES, BANGLADESH

ABOUT US

CAWST addresses the global need for safe drinking water, safely-managed sanitation, and hygiene by working with thousands of in-country organizations to start, strengthen, and scale their projects.



THE CHALLENGE

The challenge is two-fold: access to appropriate, affordable technologies and the human capacity to implement. CAWST does not implement or fund water, sanitation or hygiene (WASH) programs, but instead works alongside thousands of local organizations and governments to meet the WASH service needs of their communities.



OUR TEAM

Staff from over 10 countries that speak 18 languages and have experience working in 100 countries



OUR STRENGTHS

Our Global WASH Advisors help clients develop the knowledge necessary to implement successful projects through training, consulting support, and troubleshooting.

Our Global Learning Advisors create engaging training materials, including technical manuals, workshop materials and awareness-building materials for households and communities. Materials are customized by region, available in multiple languages, and accessible to various literacy levels.

Our Knowledge and Research Advisors mentor clients in action research, project evaluation, measuring and reporting organizational outcomes and impacts, data management and data analysis.

“CAWST has senior staff in fecal sludge treatment knowledge and they provide great trainings on fecal sludge emptying entrepreneurs.”

SAMUEL MALINGA, PROJECT MANAGER, SANITATION AFRICA, UGANDA



Centre for Affordable Water and Sanitation Technology
B12 - 6020 2 Street SE, Calgary, Alberta T2H 2L8 Canada
+1 403 243 3285 cawst@cawst.org cawst.org

Charitable Registration 863751616RR0001 (Canada) APEGA P-8757