



CAPABILITY STATEMENT

Sustained Access to Safe Water



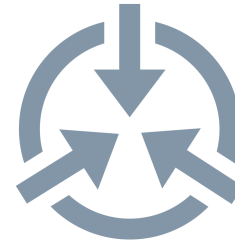
We distill and disseminate knowledge and develop capacity on household water treatment and safe storage (HWTS) solutions to organizations working in low- to middle-income countries.



We develop open content, downloadable HWTS education and training resources



We provide short, targeted training on a range of HWTS and health topics to transfer practical skills and build technical and implementation knowledge



We facilitate and coordinate HWTS cross-sector learning, research, and collaboration



We provide ongoing advice and consulting support, as needed, to help clients troubleshoot, overcome challenges, and improve quality



We help organizations develop and deliver HWTS training programs of their own



Simple, effective, and sustainable solutions

HTWS focuses on simple yet effective technologies to improve water quality and reduce the risk of diarrheal disease, which have proven to be an excellent starting place to achieve sustainable delivery of water services.

HWTS provides safe drinking water in the household to help improve the health of individuals, families and communities.

EXPERTISE

CAWST is a leading global expert on household water treatment and safe storage (HWTS) solutions, with a deep and broad understanding of technologies, approaches, project implementation, monitoring and evaluation.

Our services build the capacity

of individuals and organizations in three core aspects of successful HWTS implementation:

- creating and sustaining demand
- provision of products and services
- monitoring for continuous improvement

Treating water in the home

- protects people from waterborne disease immediately
- is affordable to reach the large number of people currently unserved
- improves a household's resilience
- provides an entry point for further education on health, hygiene and sanitation

Niche leadership

As a leading expert on HWTS, CAWST is an active member of the WHO/UNICEF International Network for HWTS and has served as a technical advisor to the Humanitarian Innovation Fund. CAWST's HWTS Knowledge Base serves as a centralized knowledge and technical support hub for both development and emergency practitioners.

PRODUCTS & SERVICES

We help individuals and groups from civil society organizations, government agencies and entrepreneurs to implement HWTS programs, by providing practical knowledge and skills that can be applied immediately.



HWTS Knowledge Base

A unique online platform and mobile app that act as a clearinghouse for household (point-of-use) water treatment technologies and approaches.

- Technology Fact Sheets
- Country Policies
- Technical Updates
- Questions and Answers
- Projects
- Case Studies
- Research



Education & Training Resources

Training Resources

- HWTS Trainer Manual
- Introduction to HWTS Webinar
- HWTS Options and Evaluation Presentation

Technical Resources

- HWTS Manual
- HWTS Fact Sheets
- HWTS Posters

APPROACH

We provide training and consulting support to practitioners on practical HWTS solutions. Our services are designed to add immediate value to our clients' projects, helping them start, strengthen or scale up their initiatives.



CAWST leads with targeted, practical training



because it catalyzes action and enables water programs to be driven from the outset by local, on-the-ground organizations.



Training empowers organizations to implement technology options appropriately in their context,



Support Training Development

CAWST's education program and development experts help individuals and organizations independently create, deliver and improve HWTS training and education programs. Through customized training and consulting services, we evaluate existing capacity building programs or assess opportunities for new programs, and support clients with training materials, delivery, as well as overall program strategy and approach.



Training Workshops

Our workshops introduce HWTS options: simple, locally available, context-appropriate technologies that can be implemented in households, schools and health centers. The training sessions combine theory, hands-on practice and implementation planning, and are based on adult learning principles and participatory facilitation techniques.

- Introduction to HWTS
- HWTS National or Regional Learning Exchanges
- Biosand Filter for Technicians
- Biosand Filter Project Implementation
- Monitoring for Biosand Filter Projects
- Introduction to Drinking Water Quality Testing



Sector Collaboration

We support stakeholders to meet and develop their capacity to make informed decisions around core aspects of successful HWTS programs: creating demand, financing, appropriate solutions, monitoring for improvement, and capacity development.



Consulting Support

Training alone does not ensure that knowledge and skills turn into action. We support action by providing ongoing technical and implementation coaching to clients by phone, email, Skype, live online chat or in-person site visits.

- Start a HWTS initiative
- Select suitable technologies, products and services with the local community
- Address quality issues affecting products, technologies and services
- Identify what training and support will help project managers, community agents and end users ensure correct, consistent and continued use of products
- Troubleshoot technical issues with different products or technologies
- Understand different implementation models for successful, sustainable HWTS initiatives
- Plan and manage projects including monitoring for improvement





EXPERIENCE: CAWST has provided HWTS capacity development services to over 1,000 organizations globally

Global 2016 Expanded the online HWTS Knowledge Base to provide humanitarian WASH practitioners with practical, useful and geographically-specific information.

Nepal 2015 In the aftermath of the earthquakes emergency, collaborated with ENPHO, our partner in-country, to develop a program supporting the training of volunteers to communicate WASH messages, make recommendations, and bridge the gap between interim WASH solutions and the transition to long-term sustainable interventions.

Afghanistan 2010 Developed materials to help implementers determine which technologies are appropriate in different stages of emergency response. This training was subsequently handed off to our partner in Afghanistan.

Haiti 2010 Rural communities trained by CAWST clients in point-of-use water treatment exhibited lower rates of cholera compared to neighbouring communities, post-earthquake.

SECTORS



Climate Change Adaptation & Resilience

- Instilling skills and knowledge at the household level on point-of-use water treatment to increase reliability of water source and limit vulnerability to water contamination caused by extreme climate events
- Training on environmentally sound, appropriate and sustainable WASH technologies and best practices
- Climate-resilient Water Safety Planning workshop introduces WASH solutions that withstand the impact of extreme climate events including monsoons and landslides, increasing adaptive capacity to climate change



Market-Based Solutions

- Quality control and monitoring support for HWTS entrepreneurs
- Training and consulting support to local entrepreneurs providing point-of-use water treatment services



Emergency Relief & Development

- Disaster resilience, recovery and reconstruction
- Consulting support to organizations, individuals, or projects in HWTS or WASH about emergency preparedness
- Advice on the integration of WASH education and training to ensure correct and consistent use of HWTS solutions in humanitarian contexts
- Education program development for organizations looking to create or adapt content to meet HWTS or WASH needs for emergency preparedness or transition back to recovery



WASH in Schools

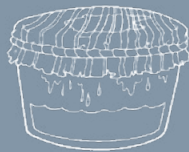
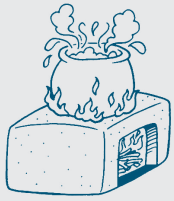
- Monitoring and evaluation of hygiene behaviour in schools, incorporating both the Knowledge, Attitudes and Practices (KAP) and the RANAS (Risks, Attitudes, Norms, Abilities, and Self-regulation) approaches to identify key behavioural motivators
- Integrating water, sanitation and hygiene (WASH) into existing school curricula

Nepal
2016

The Biosand Filter Entrepreneurs' Association Nepal (BiFEAN), initiated and now supported by ENPHO, our WET Centre partner, encourages local entrepreneurs whom they train to produce and sell water filters, and to scale up promotion of the water filters in a coordinated manner. The WET Centre is gradually building the capacity of BiFEAN to provide marketing, quality control and monitoring support to its members. BiFEAN encourages sustainability through a market-based approach to providing point-of-use water treatment services, and this approach will be investigated for the promotion of other technologies.

Honduras
2015-16

CAWST and Pure Water for the World in Honduras, our WET Centre partner, with the help of local teachers, designed a workshop that trains teachers on how to design and integrate WASH themes into their existing curriculum areas. For example, teachers were encouraged to use a story about the effects of drinking contaminated water to teach verb conjugation, hand-washing statistics to teach percentages, and water-borne pathogens to teach biology. As a result, teachers are working together as they integrate the new skill of incorporating WASH into their curriculum. Equipped with these new skills, schoolteachers are taking action on a range of issues, including local clean-ups, teaching children to classify garbage, making handwashing part of the daily classroom routine, and teaching parents to build a new latrine.



CASE STUDIES

**The multiplier effect:
building local knowledge and skills**

Serving Our Neighbor - Tanzania Tanzania

CAWST has delivered a range of training (Biosand Filter Project Implementation, Community Health Promotion, Drinking Water Quality Testing, Monitoring and Evaluation, and Effective Facilitation Skills) and consulting services to develop their capacity in household water treatment solutions, including biosand filters, community health promotion and WASH education.

To help people get clean water and basic sanitation in Tanzania, especially in rural communities where the need is greatest, SON has grown to employ 16 full time employees and several trained part-time and volunteer assistants. Over the years they have constructed 15 round molds for concrete biosand filters, and in 2016 alone, as a result of their projects more than 4,500 people in Tanzania are using better water or sanitation. Serving Our Neighbor are now creating and developing their own education and training materials on clean water, biosand filtration, health, hygiene, sanitation, and HIV/AIDS. They provide training and seminars on a regular basis, and have expanded to two burgeoning satellite programs across Tanzania in Bunazi and Dodoma.

Pure Water for the World Honduras

Pure Water for the World (PWW) in Honduras began as a Rotary project, which expanded rapidly due to high demand. Our client soon found that more education of users was needed for their project to succeed. CAWST's Community Health Promotion training and consulting support improved project outcomes significantly. This organization in Honduras has grown to boast over 90% rates of adoption and correct, consistent and continued use of household water filters, as well as a comprehensive process for working with communities.

PWW has grown to implementing roughly 600 filters each year, to keep up with a waiting list of communities who want filters, and is advancing towards reaching rural dispersed populations -the "last 20%." They have branched out into sanitation and rainwater harvesting, and became a Water Expertise and Training (WET) Centre in 2015, with CAWST's support. They are now capable of providing leadership, training, technical consulting and educational material to other local organizations.



HWTS Knowledge Base

Point-of-use water treatment solutions, from technology options to implementation best practices. An online hub and mobile app for implementers to find solutions and share their experience.

hwts.info





RESULTS & REACH

Since 2001, CAWST has delivered 1,226 WASH training workshops and 464 WASH consulting support visits to clients in 52 countries.

CAWST's clients have reached 11.3 million people with safe water.

KEY CLIENTS

CAWST has provided HWTS capacity development services to over 1,000 organizations globally including INGOs, local organizations, Governments and UN Agencies: UNICEF, WHO, Oxfam, Save the Children, CARE, World Vision, ENPHO, Swiss Red Cross, GOAL, Humanitarian Innovation Fund, and the Governments of Cambodia, Haiti, and Kenya.



ABOUT US

CAWST addresses the global need for safe drinking water, sanitation, and hygiene by building local knowledge and skills on household solutions people can implement themselves

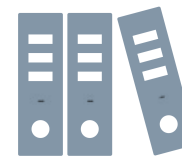
The challenge is two-fold: access to appropriate, affordable technologies and the human capacity to implement. CAWST does not implement or fund water, sanitation or hygiene (WASH) programs, but instead develops the capacity of the thousands of local organizations and governments who are best suited to meet their communities' needs for WASH services over the long term.

Through our network of 1,291 implementing clients in 84 countries, we have reached 15.4 million people with better water or sanitation and 7.7 million people have been trained by our clients using CAWST materials.

Our team is ready to help you reach more people with better water and sanitation. Staff hail from 10 countries, speak 18 languages and have worked in 100 countries.



The Training and Consulting team helps clients develop the knowledge necessary to implement successful projects through training, consulting support, and troubleshooting.



The Education Program Development team creates 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.



The Research Learning team mentors clients in action research, project evaluation, measuring and reporting organizational outcomes and impacts, data management, and data analysis.



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