



Household Water Treatment (HWT) The Perspective of an Educator and Trainer

**World Water Forum
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CAWST: Centre for Affordable Water and Sanitation Technology

CAWST:

- Canadian NGO
 - Licensed engineering consultancy
 - Trainer
 - Developer and open source distributor of training programs
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- Builds capacity in public sector institutions (government and NGO) to deliver water and sanitation services for the benefit of the poor.
 - CAWST does not fund projects nor does it build infrastructure. ..focused only on capacity building

The Questions Posed

1. How can educators ensure their training programs address the real knowledge needs?
2. How do you build local expertise at all levels?
3. How to reach 1.1 billion people?

Why are these the critical questions?

Why are the questions asked critical?

- Lack of knowledge is the root cause of water borne diseases:
 - How water becomes polluted
 - How disease is transmitted
 - Options to provide safe water and sanitation
- Information, Education, Communication:
 - Allows for informed choices about practices and services
 - Develops appreciation for the shared nature of the resource
 - Builds the capacity for people to manage their own water needs → essential for sustained improvement
- The scale of the problem is huge.
- ‘Mass Communication’ is necessary, but not sufficient:
 - Local expertise and understanding must be developed
 - Simply telling people what to do is not enough.

Water knowledge must become common knowledge

How can educators ensure their training programs address the real knowledge needs?

- Start by asking them
 - Participatory training
- Provide continuous service delivery...reinforcement
 - One time efforts will not give sustainable results
- Develop a continuous feedback loop
 - Keep asking; the more they learn, the more they can help you understand what knowledge they need
 - Look for the knowledge gaps and find ways to fill them
- Measure the impact, not just activities

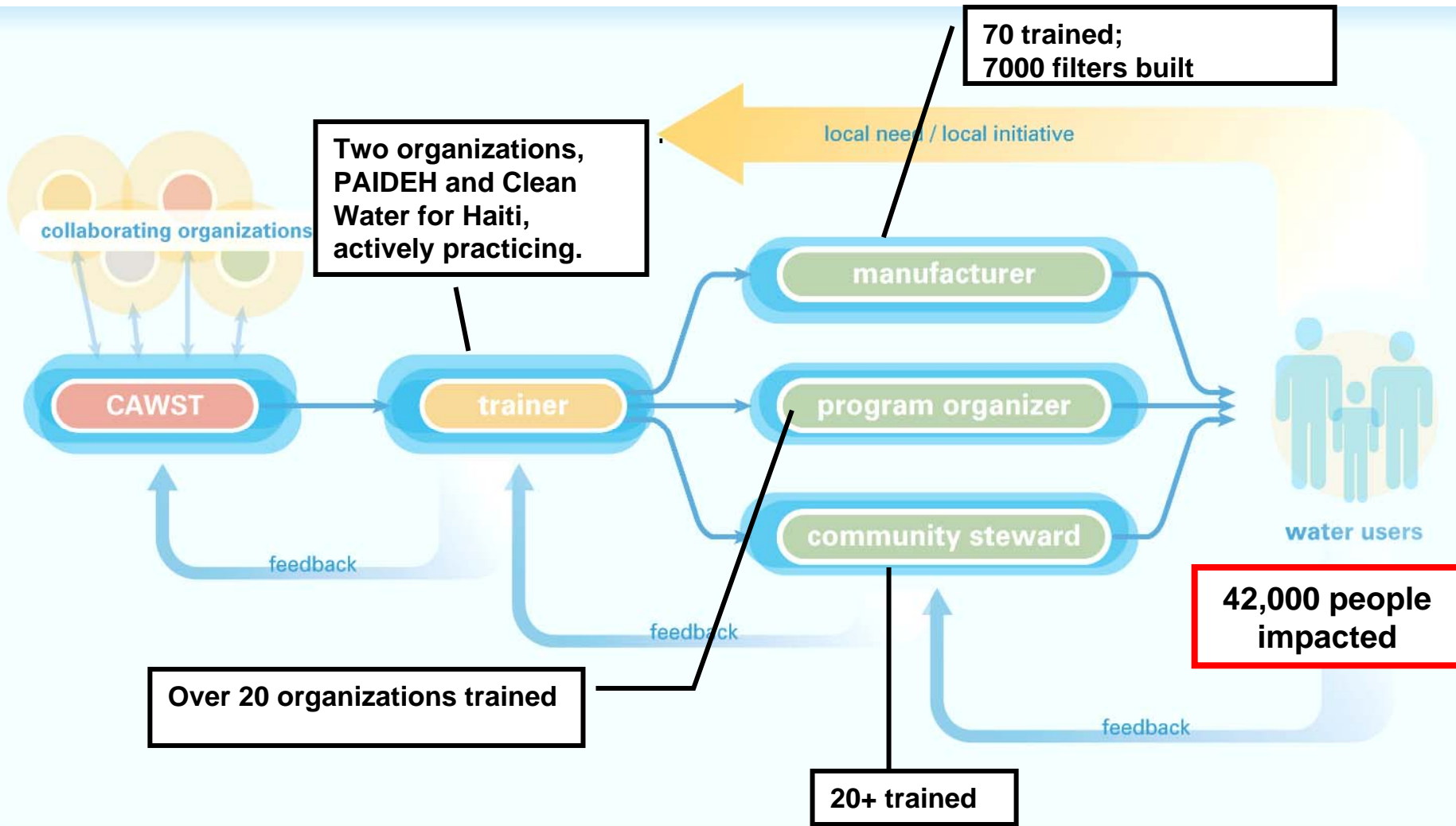
How do you build local expertise at all levels?

- Training programs for local organizations to deliver:
 - Focused on filling the specific knowledge gaps
 - Customized to the participants attending
- Communication from a reliable source:
 - Someone they trust (Show that you care)
 - Someone they can return to with their questions
- Pilots & Demonstrations:
 - Builds implementation/ management skills
 - Provides early successes to create confidence
 - Generates true understanding and acceptance

How to reach 1.1 billion people?

- Networks, both formal and informal, provide the introduction and communication channels.
- Focus on what's needed
 - provides lowest cost to achieve results
 - enough to get people started
- Target the early “influencers”
 - The organizations with leadership and commitment to make it happen
 - The ‘early adopter’ households
 - The women - they are the water managers
 - Use peer pressure/ leaders to influence

Haiti Outcomes / Impact



CAWST investment: \$22,000 USD

Haiti Outcomes / Impact

- Indigenous Haitian Trainer NGO (PAIDEH) initiated pilot HWT program.
- NGO (Hospital Albert Schweitzer) incorporated HWT in community health program.
- NGO (Clean Water for Haiti) formed as direct result of CAWST's training – then became a Trainer.
- Thousands of filters were used for disaster relief in Gonaives in 2005.
- Filter design was locally modified to use less concrete and materials.



