

# 2025 Water and Wastewater Workshop

Keynote address

**Shauna Curry** BE'94

*Engineer. Advocate. Global leader. Innovator. Educator.*

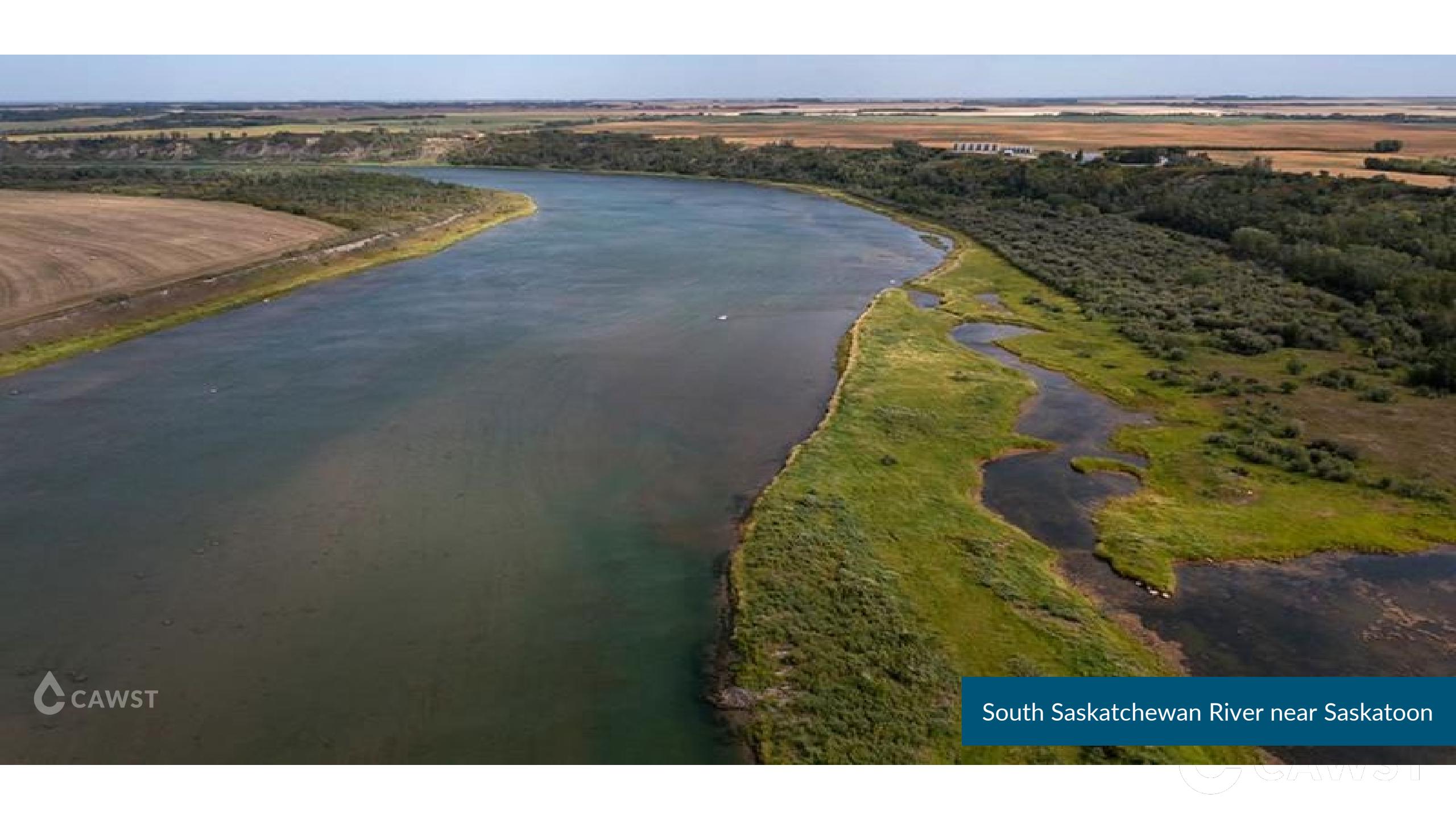


**1** How will humanity respond to the challenges while setting us up to navigate an uncertain future?

**2** What best equips us to make the greatest contribution to our world?

**3** How can you build connections, foster relationships, tap into the skills and talent of each other?

“The Passage” by: Jim Elzinga/Roger Vernon, Guardians Of The Ice  
Columbia Icefield, The Canadian Rockies



South Saskatchewan River near Saskatoon





Rio Magdalena, Colombia



Sharanamati Village, Nepal  
Photo: Gavin Gough



Water collection at a refugee camp in  
Africa  
UNICEF



Water collection  
Rural, Congo





CAWST

Child collecting water in Kenya

CAWST



Water storage, Syrian refugee camp  
Mann District, Jordan



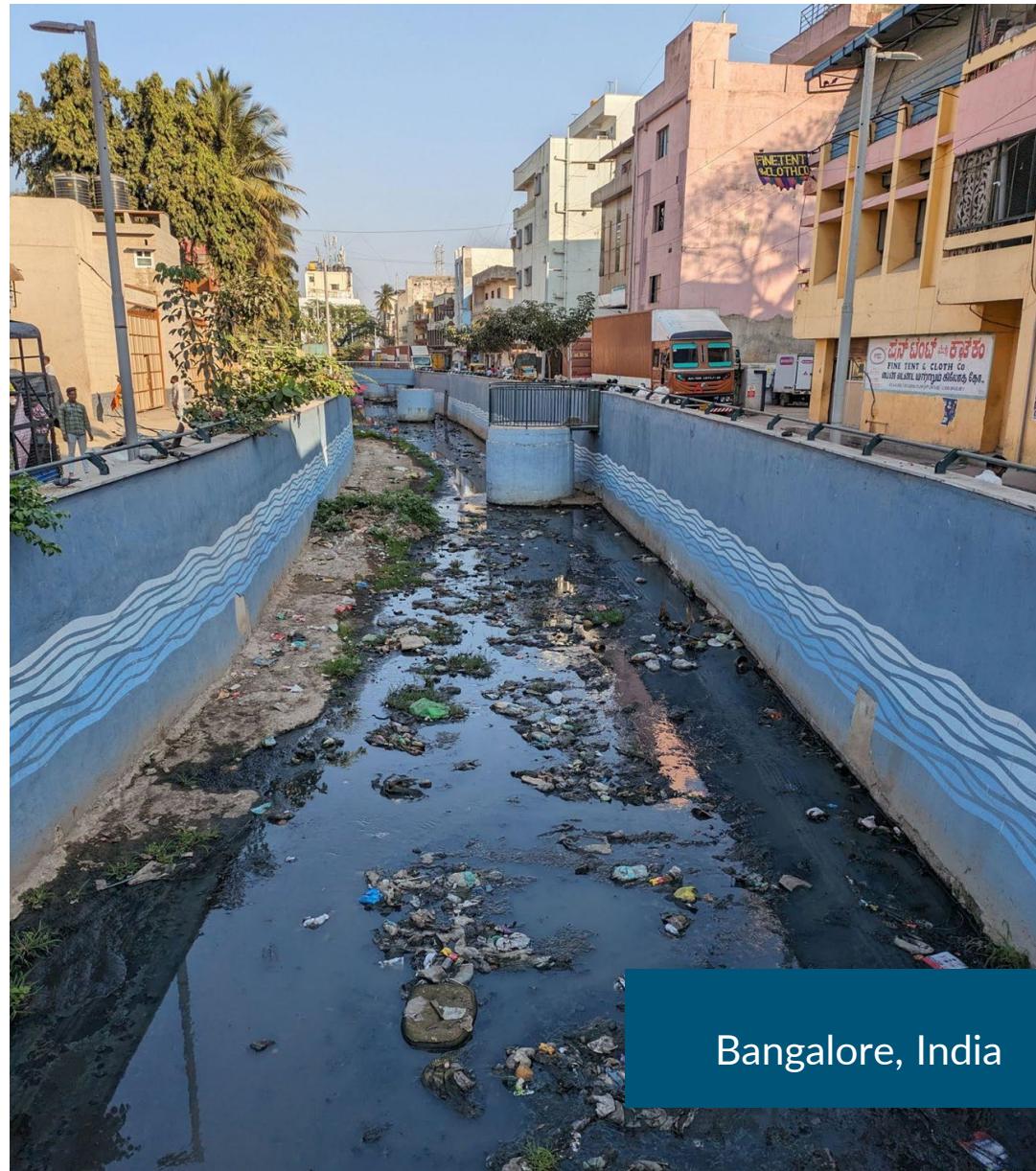


Mohammadpur Lakhanpur Village,  
Desari Bihar, India



Caracas, Venezuela





Bangalore, India



Democratic Republic of the Congo,  
Central Africa



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Shashemene, Ethiopia

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More than  
2.2 billion people  
live without  
safely managed  
drinking water



Data source: WHO/UNICEF 2023  
Koloko, Zambia

**3.5 billion people  
still live without  
safely managed  
sanitation**

Data source: WHO/UNICEF 2023  
Teknaf, Cox's Bazar, Bangladesh



# Canada: coast to coast to coast



# Rural British Columbia

British Columbia

## B.C. Interior communities face millions in water upgrades, including former home of the 'world's best water'

Interior Health enforcement of new water standards creates backlash in small communities



[Tom Popik](#) · CBC News · Posted: Mar 15, 2025 7:00 AM MDT | Last Updated: March 15

### Canal Flats struggles for a solution

In Canal Flats, the cost and necessity of the infrastructure upgrades weigh on the mayor's mind.

"If the government is going to start downloading more and more stuff like they have been lately to the municipalities, they have to supply the municipalities with a way to deal with it, whether that be money, whether that be support, whether it be bringing people in to do it," Dougherty said.

"But just to download it on smaller communities, it's a hardship."



Canal Flats, BC

Some 800 residents in Canal Flats get their untreated tap water from municipal wells, which Interior Health has deemed to be at risk of groundwater contamination. (courtesy Village of Canal Flats)

Rural  
**Nunavut**



Cambridge Bay

Rural  
**Nunavut**



Cambridge Bay

Rural  
**Newfoundland  
& Labrador**



Valley Pond, Town of Branch

Rural  
**Newfoundland  
& Labrador**



Town of Glenburnie-  
Birchy Head-Shoal Brook

# Urban

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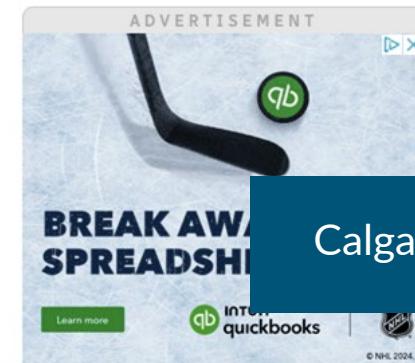
Why Calgary's water main break is a big deal

▶ 9 months ago | 6:35

## Why Calgary's water main break is a big deal

9 months ago | News | 6:35

After a major water main break plunged Calgary's supply into a critical state, officials expressed concern that the city could run out of water. The reason? The impacted pipe is a key artery in the city's water infrastructure system. The longer it takes to repair, the more it puts water supply at risk.



Calgary, Alberta

CAWST

# Urban



**FIGHTING** C

**THE RECORD**, Kitchener, Ont.

## E. coli will have 1000

Two to 10 per cent of estimated 2,000

## The seven who died

7 people died, 2,321 got sick: They are more than numbers

By NICOLAAS VAN RIJN  
STAFF REPORTER

Lenore Al, 66; Edith Pearson, 83; Vera Cox, 75; Laura Rowe, 84; Evelyn Hussey, 84; Betty Trushinski, 56; And little Mary Rose Raymore.

The seven who lost their lives — and the 2,321 people who got sick — were the true

she impacted their life, how she made differences in their life.

Lenore Al was a retired laundry worker and was suffering from a minor bladder infection, before her rapid decline. But her son Robert said, she was basically a healthy woman. She was, her family said, a quiet person and an avid reader. One of her reasons for retiring was to spend more time with her husband John, a retired manager and part-owner of a furniture manufacturer.

The Office of the Chief Coroner announced Friday that the expert committee appointed to study deaths that may have been related to the Walkerton E. coli outbreak has updated its findings after reviewing additional deaths since its previous announcement on July 26.

The committee has reviewed a total of 27 deaths and assigned them to the following categories:

- Four deaths were directly caused by the E. coli outbreak in

"The biggest example obviously is places like Walkerton."



In April 2000, days of heavy rains washed cow manure from a nearby pasture into Walkerton's water system through a cracked well, creating the worst E. coli outbreak in Canadian history. Seven people died, and more than 2,000 fell ill. (Haydn Watters/CBC News)



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Columbia Icefield, The Canadian Rockies



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Calgary, Alberta

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University of Calgary, Alberta





Sharanamati Village, Nepal





Pierre Payan, Haiti





Gurugram, Haryana, India

# Newfoundland & Labrador



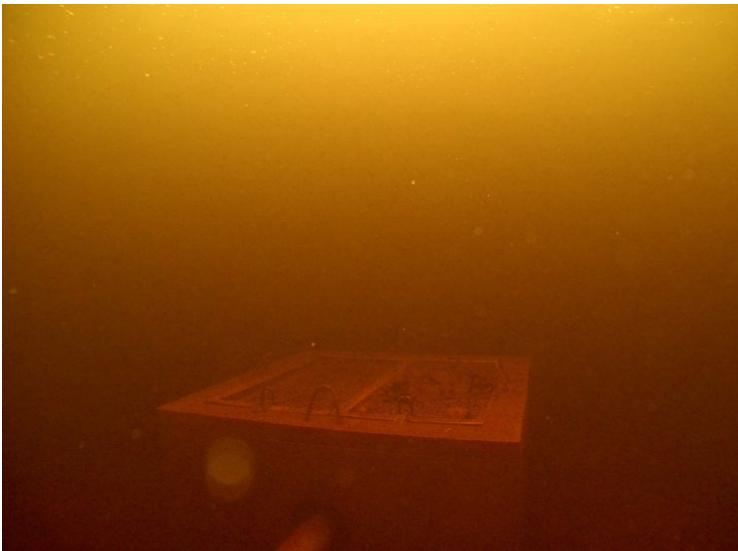
Mobile training unit



Potable Water Dispensing  
Units (PWDUs)



A resident fills up  
their jug in a PWDU



Town of Glenburnie-Birchy  
Head-Shoal Brook



Town of Branch



CAWST

Delhi, India

CAWST



**1 person ▶ 5,000 filters ▶ 25,000+ people**



# 6 million



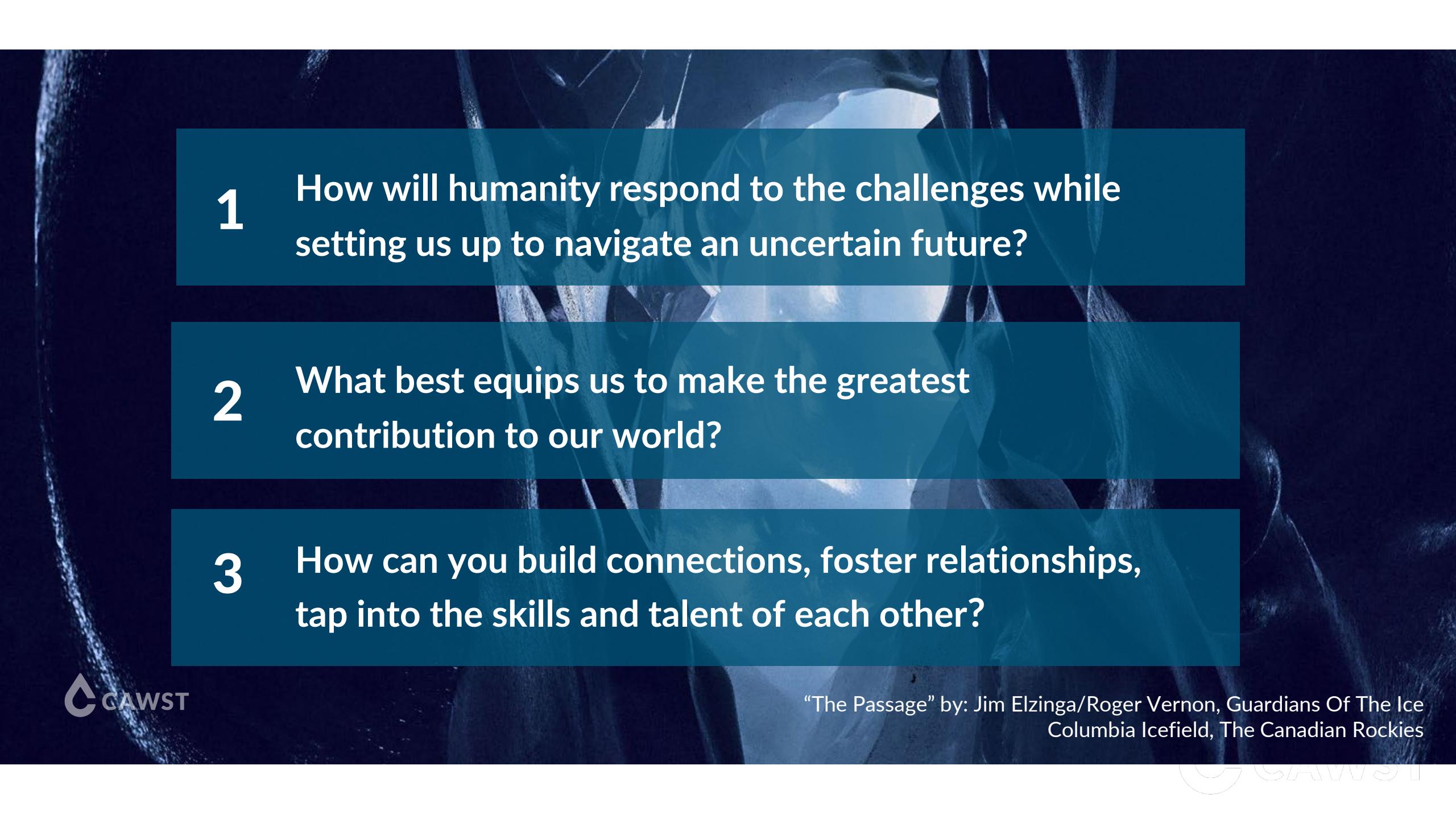


Ndola, Zambia, Africa



**100 million  
by 2030**

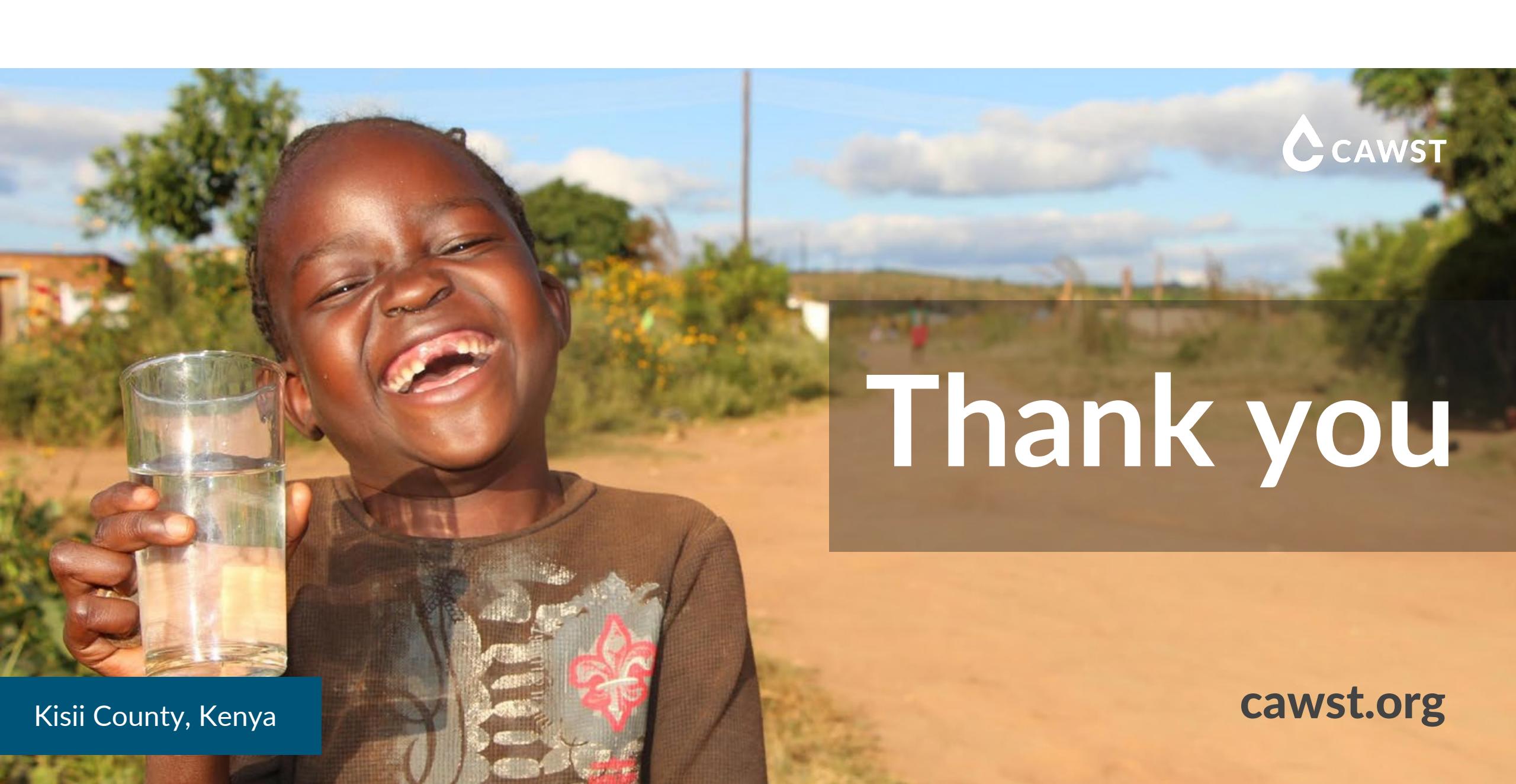




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Kisii County, Kenya



Thank you

[cawst.org](http://cawst.org)