WORLD ECONOMY

BUSINESS

INVESTING

Cities around the world should prepare for running out of water, experts say PUBLISHED WED, APR 11 2018 • 9:45 PM EDT | UPDATED THU, APR 12 2018 • 8:39 AM EDT

Andrew Wong

TECH

KEY POINTS

efforts.

of water scarcity. The increasing risks have cast a spotlight on the issue of water theft and mitigation

Cape Town's recent water shortage crisis has raised global concern about the threat

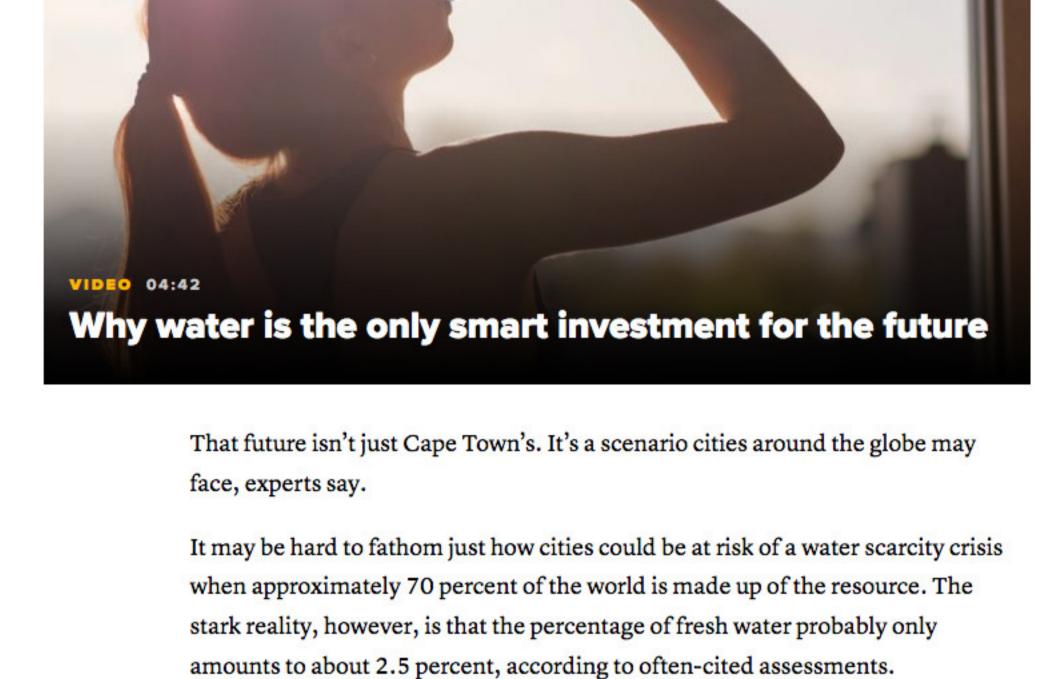
its water taps run dry, and its population thrust into a perilous situation.

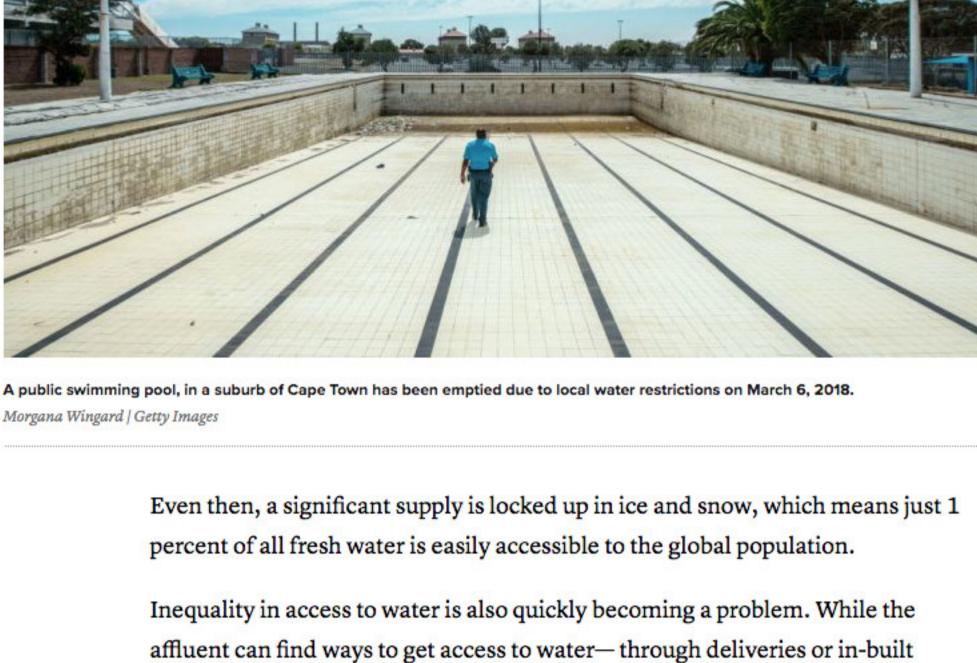
It's called "Day Zero": when Cape Town, South Africa's bustling port city, sees

by severe measures — the city instituted restrictions that amount to less than one sixth of an average American's water consumption. Yet despite that effort,

Originally projected for this year, the impending crisis has been delayed in part

"Day Zero" is still projected to arrive next year. And when it comes, the crisis will see the government switching off all the taps and rationing the resource through collection points.





That situation oftentimes leads to water theft — for profit, for survival, or for both.

tanks - poorer populations are left to their own devices.

cities are not immediately at risk of running out of water.

A 'wake-up call'

global water program told CNBC. "For example, quite a bit of scientific evidence has shown that deforestation changed the hydrological cycle in the Amazon," she said.

Although water scarcity is a very real and pervasive problem, experts said most

Still, it is extremely important that water scarcity is acknowledged as a global

problem because cities should begin working on unique solutions to local

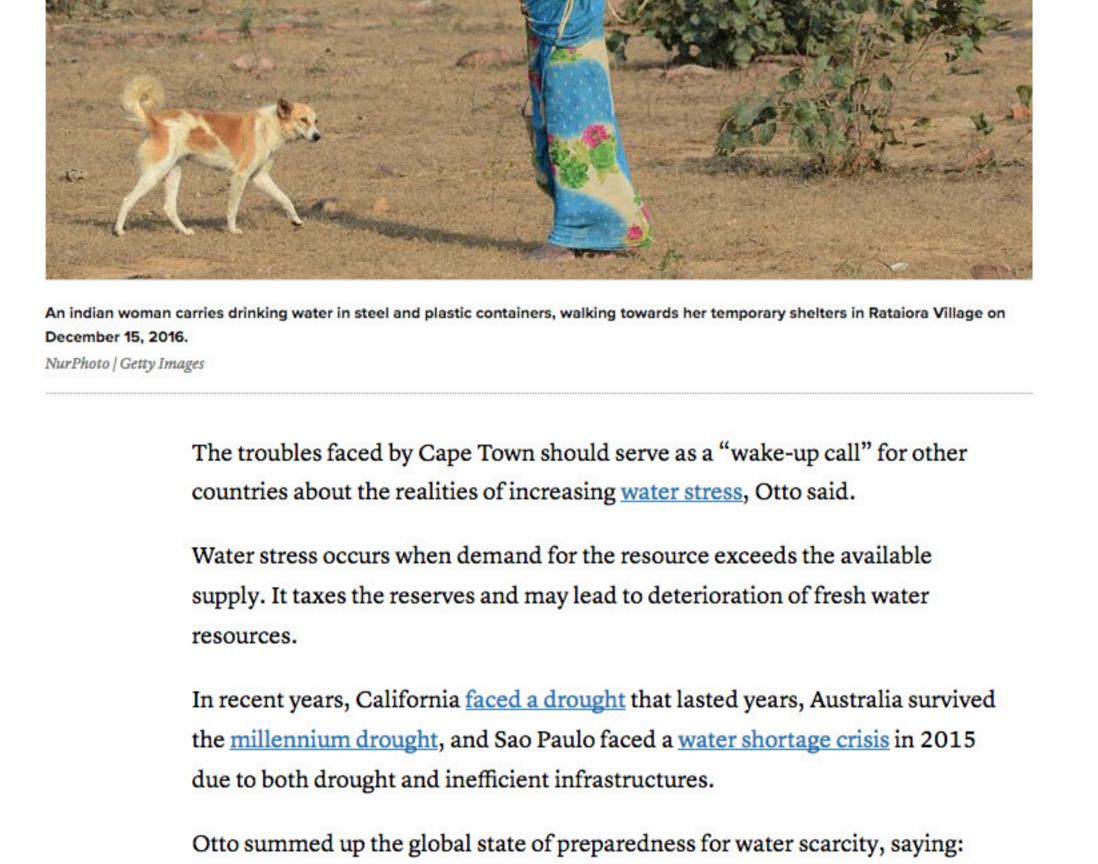
sources of clean water, Betsy Otto, director of the World Resources Institute's

A nation's development has frequently come at the cost of undercutting its

problems now, according to Rebecca Keller, a senior science and technology analyst at intelligence firm Stratfor

"It won't be the same exact scenario that Cape Town is facing," Keller said. "It

might be pollution, drought, drier climates or significant population growth."



"We've either under-invested in measures or allowed existing structures to fall

complicated the issue of water theft, said Vanda Felbab-Brown, a senior fellow

The United Nations' 2010 recognition of water as a human right has

in the foreign policy program at think-tank the Brookings Institution.

"The right to water does not mean the right to free water," Felbab-Brown

explained, saying many people had misunderstood the UN. "In the same

manner that people have to pay for food, they should expect to pay for safe

like Brazil, India and Mexico. Companies and individuals illegally tap into

varies between places, Felbab-Brown said. But, she pointed out, better law

enforcement, water monitoring, and creating comprehensive databases, are

That sentiment hasn't stopped outright water theft on a large scale in countries

pipelines and reservoirs, or they find other ways to avoid water meters. There's no single solution to the issue, however, as the context of water theft

water."

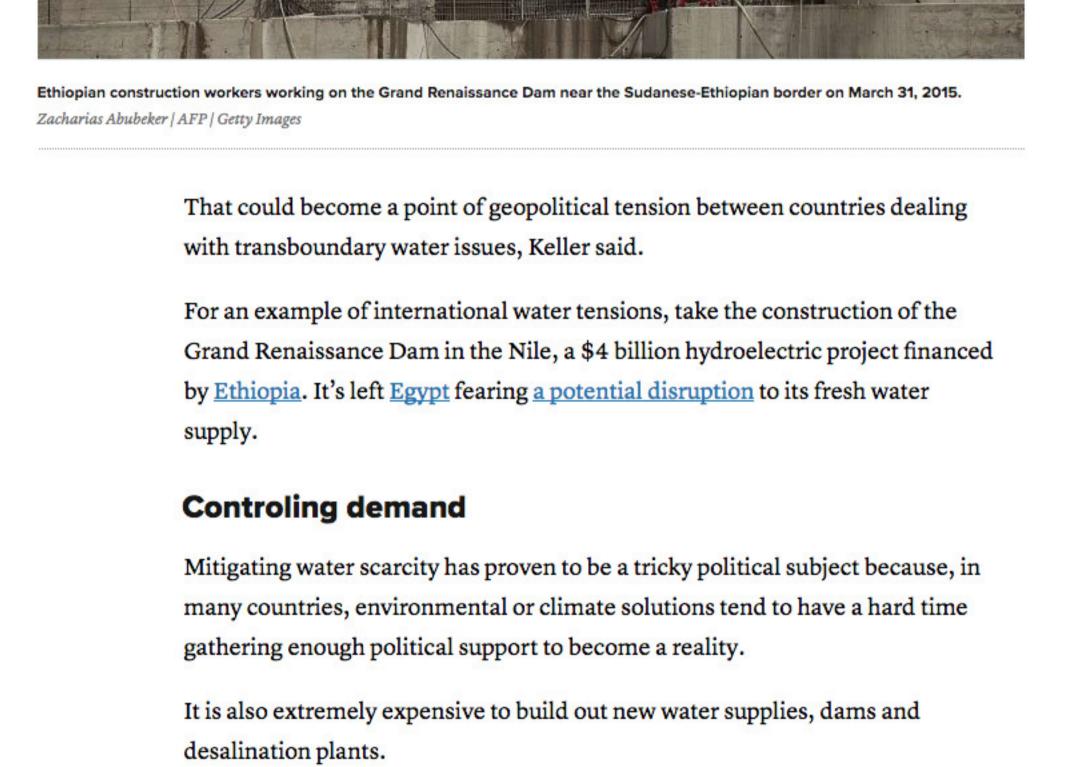
apart."

Water theft

good starting points for governments. "Governments need to recognize that they can't just apply law enforcement without providing legal alternatives," she added.

As of now, water smuggling mostly operates within countries' borders, but it

will eventually occur on an international scale, Felbab-Brown said.



water-efficient behavior. That can be implemented through price controls, Otto said, but it's rarely a popular measure. "There should be two tiers of pricing. Conservation pricing, which charges the

minimum amount for water that is sufficient for basic needs, should be

Consequently, many governments have done little to guide their citizens on

"Unless there is an acute event — a severe drought for example — it is the

[political] constraints that play out in a long time frame," Keller said.

necessary amount, should be charged more," Otto said. On a national level, she said, governments should encourage conversation about conservation issues. That is, saving water will always be cheaper than

provided at low rates. Discretionary water use, which is anything beyond the

The good news, experts said, is there will be time for governments to start preparing for a Day Zero scenario.

building or drilling for new sources, Otto added.

"It's not going to be a surprise. The city is not going to run out of water suddenly," Keller said.

Join the CNBC Panel

Closed Captioning

Privacy Policy

Corrections

Site Map

Careers

Data is a real-time snapshot *Data is delayed at least 15 minutes. Global Business and Financial News, Stock Quotes, and Market Data and Analysis.





MCNBC

Subscribe to CNBC PRO

Data also provided by REFINITIV

Licensing & Reprints

Got a confidential news tip? We want to hear

News Tips

from you.

SIGN UP NOW

y in ⊙ • ≅ 3