



The CEO **Water** Mandate



The South African water context and global water stewardship landscape

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Business Action for Sustainable Growth





NATIONAL BUSINESS INITIATIVE

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The CEO **Water** Mandate



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A quick note on terminology...

Water stewardship:

- Engaging in partnerships with other roleplayers to address shared water challenges

The global water stewardship landscape

*With acknowledgment to the CEO Water Mandate for the reproduction of certain contextual slides

The global water crisis – what is it?

Failure to meet basic human needs for water and sanitation

Local water scarcity and resource depletion

Water pollution

Spread of water-related diseases

Ecosystem degradation and destruction

Threats to economic development and national security

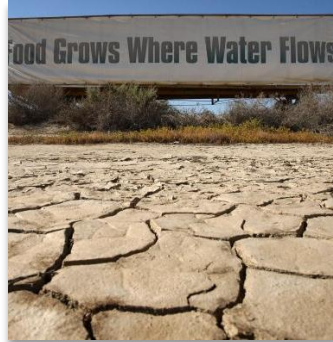
Climate change

We need to significantly improve water access, while facing growing demand and more variable supply



844 million people lack basic drinking water service ([JMP, 2017](#))

2.3 billion people lack access to basic sanitation ([JMP, 2017](#))



Agriculture in 2050 will need to produce almost 50% more food, feed and biofuel than it did in 2012 ([FAO, 2017](#))



Global water demand in terms of water withdrawals is projected to increase by 55% due to growing demands from manufacturing (400%), thermal electricity generation (140%) and domestic use (130%) ([OECD, 2012](#))

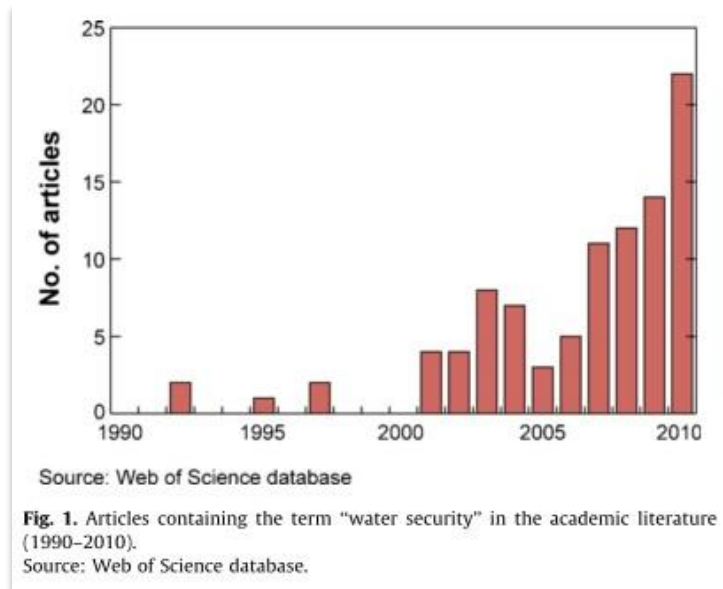


Rainfall and temperatures are projected to become more variable with climate change.

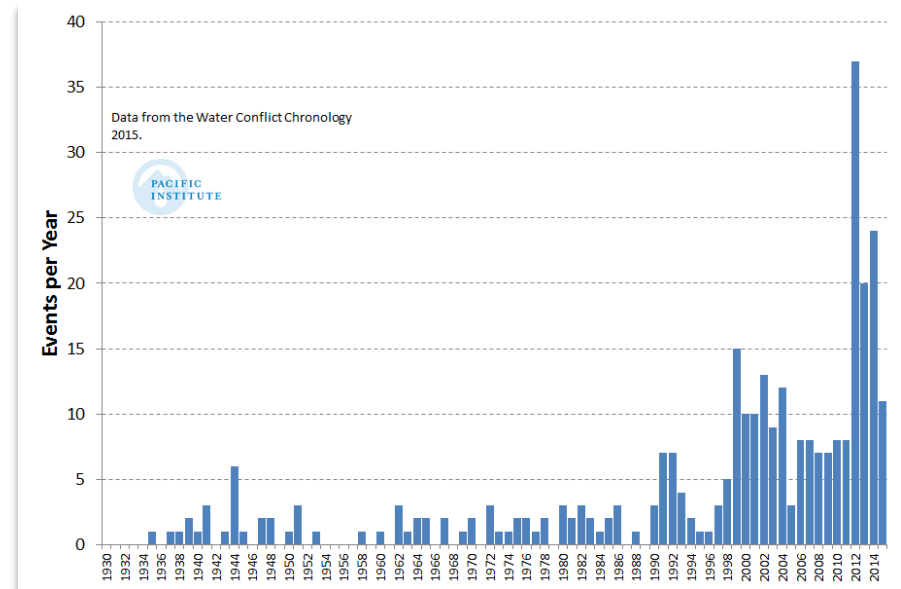
A higher incidence of droughts will have heavy impacts on rainfed smallholder farmers, who produce about 60% of global agricultural output ([FAO, 2011b](#))

This context has led to an increasing global focus on water security

Use of the term “water security” increased significantly since 1990:

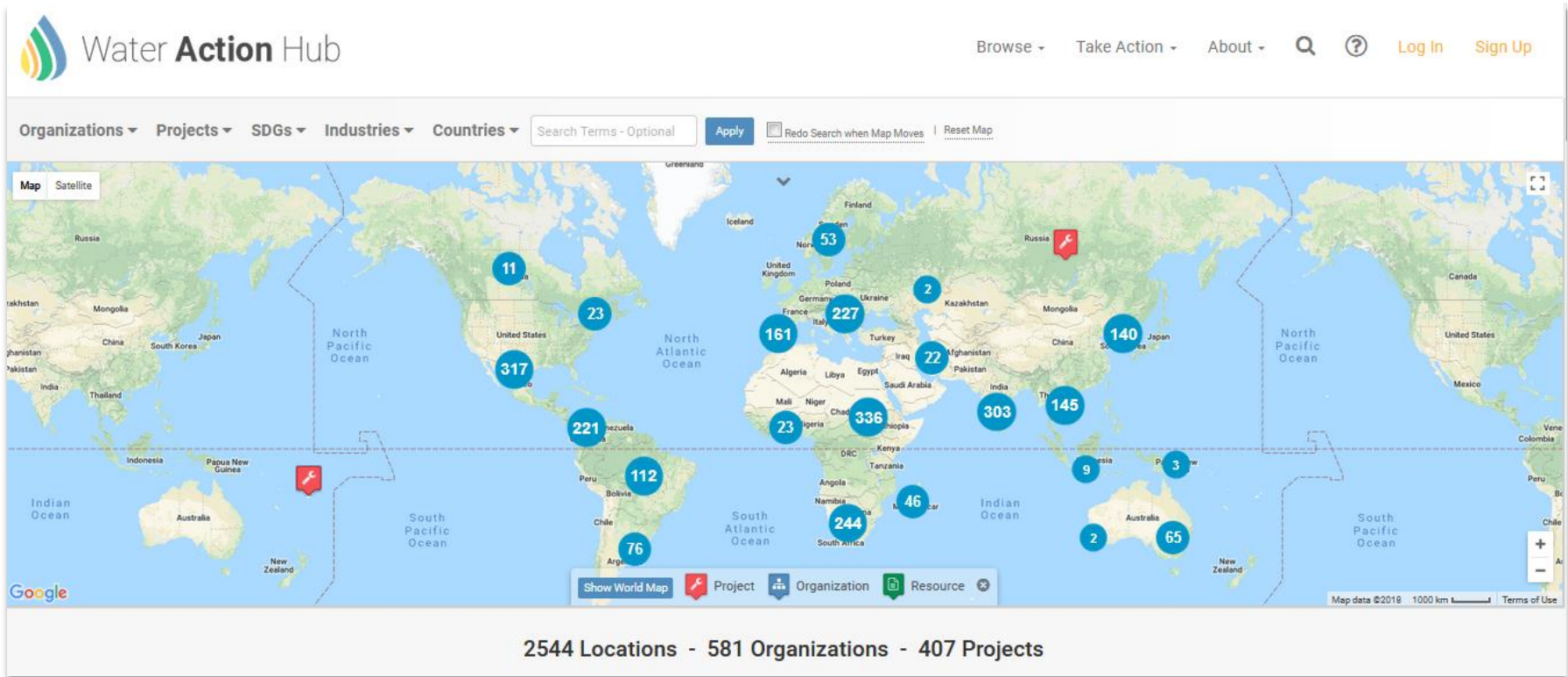


With a sharp increase in recorded water conflict events:



Water conflict events: 1930-2015

Water stewardship has gained traction as a strategic response to the water crisis



And fostered a number of industry-led water stewardship initiatives:



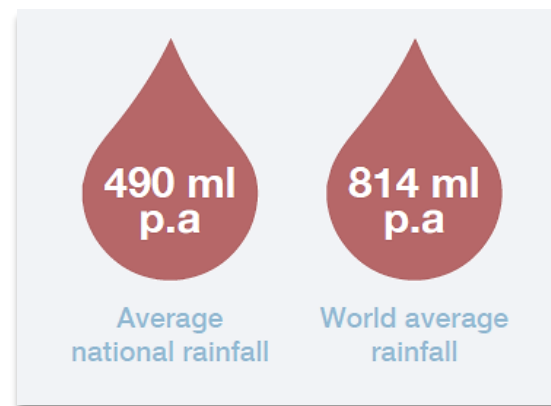
**SWEDEN
TEXTILE
WATER
INITIATIVE**

The 'inconvenient truth' with respect to water is that both operational measures and collaborative action are needed

The national water context

South Africa is a water scarce country facing a growing water supply deficit

- Our annual rainfall is roughly half the global average
- The water requirement in many Water Management Areas already exceeds availability



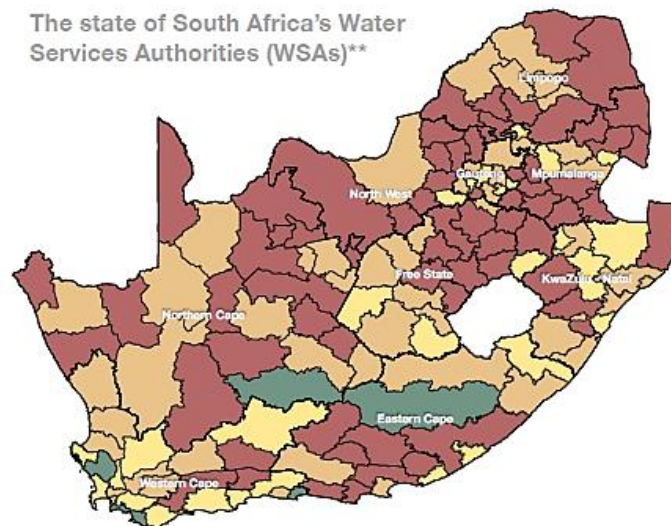
This water scarcity is compounded by stresses on municipal infrastructure and institutions

Province	% Non-Revenue Water	% Water Losses
Eastern Cape	47.8%	45.0%
Free State	51.4%	46.6%
Gauteng	35.9%	27.4%
Limpopo	55.1%	55.1%
KwaZulu-Natal	46.9%	43.0%
North West	51.1%	51.1%
Northern Cape	48.2%	45.5%
Western Cape	21.3%	16.7%
Mpumalanga	47.9%	43.9%
National	41.0%	35.9%

Total Non-Revenue Water per annum

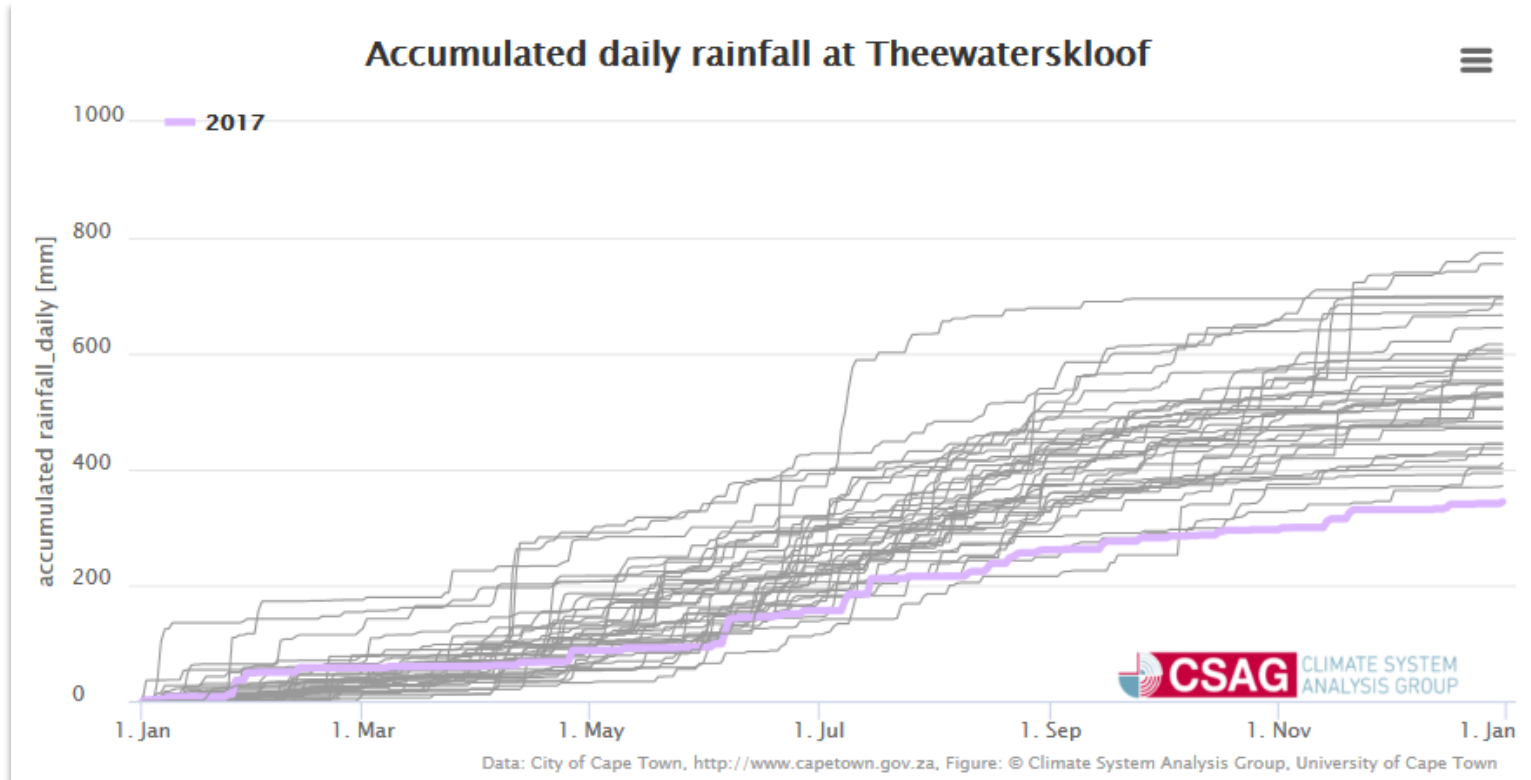
1.6 billion m³*

The state of South Africa's Water Services Authorities (WSAs)**



Status	No. of WSAs	%
Very High Vulnerability	70	46.1%
High Vulnerability	50	32.9%
Moderate Vulnerability	27	17.8%
Low Vulnerability	5	3.3%
Total:	152	100%

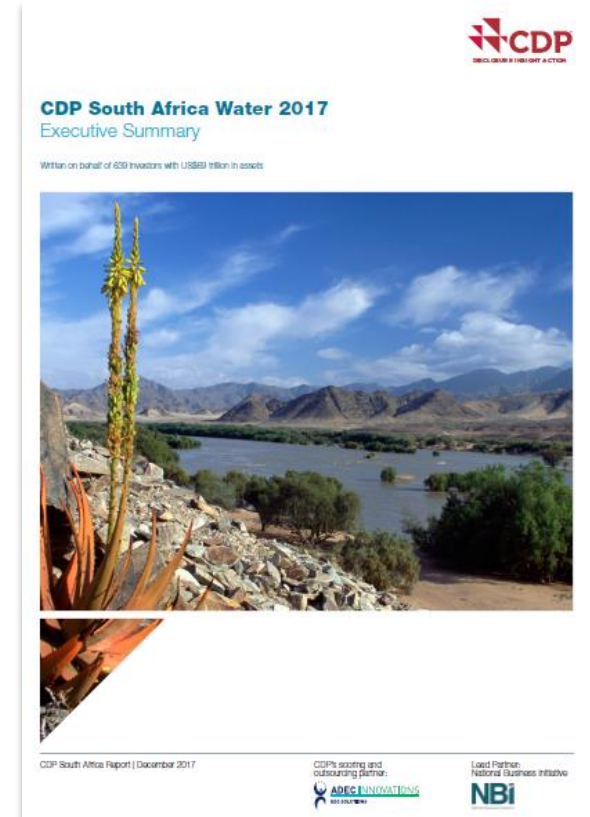
And by increased drought and weather variability



Source: CSAG (2017) <http://www.csag.uct.ac.za/current-seasons-rainfall-in-cape-town/>

We arguably face a perfect dust storm on water issues, made up of:

- A growing population with growing water needs (increasing demand)
- More frequent drought and weather variability (increasing physical risk)
- The poor performance of many water services authorities (institutional risks)
- An associated culture of indebtedness and non-payment (investment risks)



The water challenge in South Africa
isn't simply going to evaporate.
Our collective energies are required.

Water stewardship is a meaningful
part of this journey.

The NBI and water stewardship

The NBI has been working closely with corporates on water stewardship since 2014...



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economic opportunity
through bold climate action

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National Business Initiative

Workshop: Setting Meaningful Water Targets

25 June 2018 – Johannesburg



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Network South Africa

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USING THE ALLIANCE FOR WATER STEWARDSHIP STANDARD

5 November, 2014

Responding to Water Challenges in South Africa

Wednesday, 4 February 2015

Responding to Water Challenges in South Africa

Wednesday, 4 March 2015

Water Risk Management – The Aqua Gauge Water Tool

Wednesday, 1 April 2015

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Thought Leadership Series: Mastering Water & Energy Facilities Management

12 July 2018 – Cape Town



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Climate & Water Seminar

Wednesday, 30 September 2015

Climate & Water Seminar

Tuesday, 13 October 2015

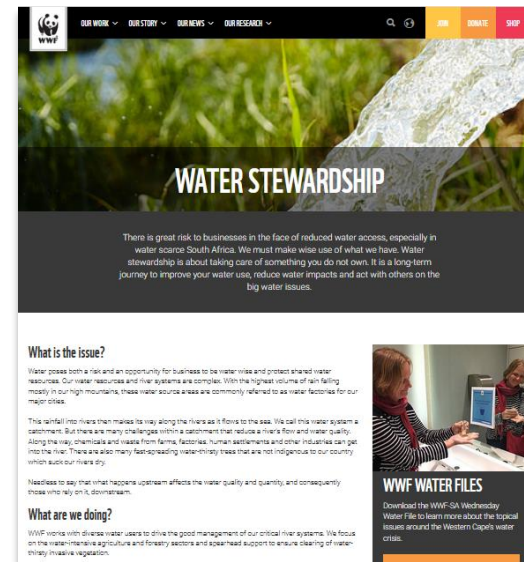
Feedback from Climate Week NYC and Stockholm Water Week

Friday, 23 October 2015

The NBI is also a lead partner in 2 major water collaborations in South Africa:

1. The uMhlathuze Water Stewardship Partnership (UWASP)
2. Western Cape Drought Task Force

Engaging further:



<http://www.nbi.org.za/focus-areas/environmental-sustainability/water/water-stewardship/>

<http://www.iwasp.org/where-we-work/where-we-work/south-africa>

http://www.wwf.org.za/our_work/initiatives/water_stewardship.cfm

For more information



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The National Business Initiative is a voluntary coalition of South African and multinational companies, working towards sustainable growth and development in South Africa and the shaping of a sustainable future through responsible business action. Since our inception in 1995, the NBI has made a distinct impact in the spheres of housing delivery, crime prevention, local economic development, public sector capacity building, Further Education and Training, schooling, public private partnerships, energy efficiency and climate change.

The NBI is a global network partner of the World Business Council for Sustainable Development (WBCSD) and an implementation partner of the CEO Water Mandate, We Mean Business and CDP.

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