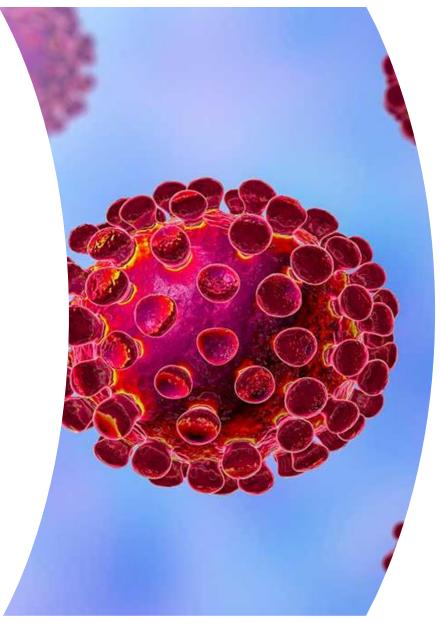
SIDSSA 2020

NEW VISTAS ON HUMAN SETTLEMENTS, WATER AND SANITATION INFRASTRUCTURE

Dhesigen Naidoo







BUSINES MAVERICK

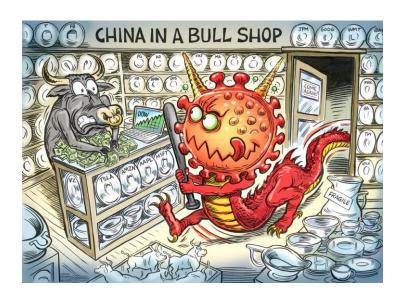
BUSINESS MAVERICK OP-ED

SA needs a robust water resilience strategy amid ratings downgrades and Covid-19

By Dhesigen Naidoo and Xhanti Payi • 7 April 2020



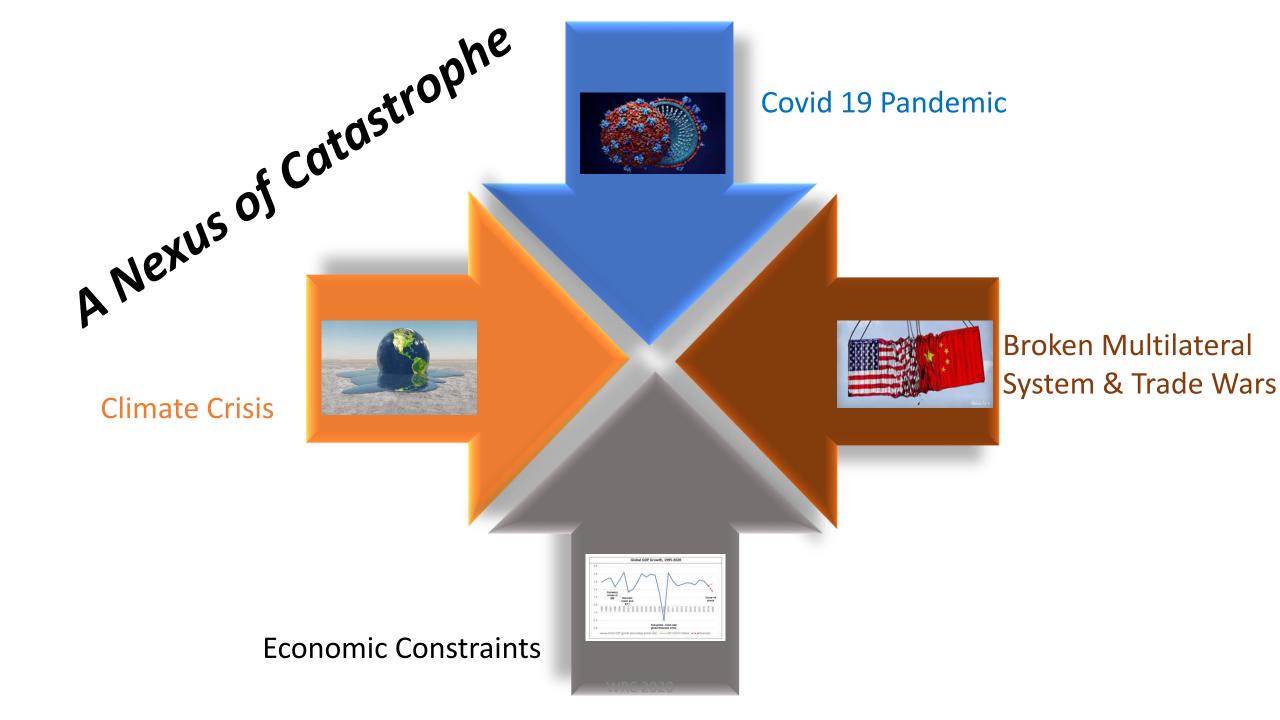
• Water levels at the Vaal Dam on 29 October 2019. I...



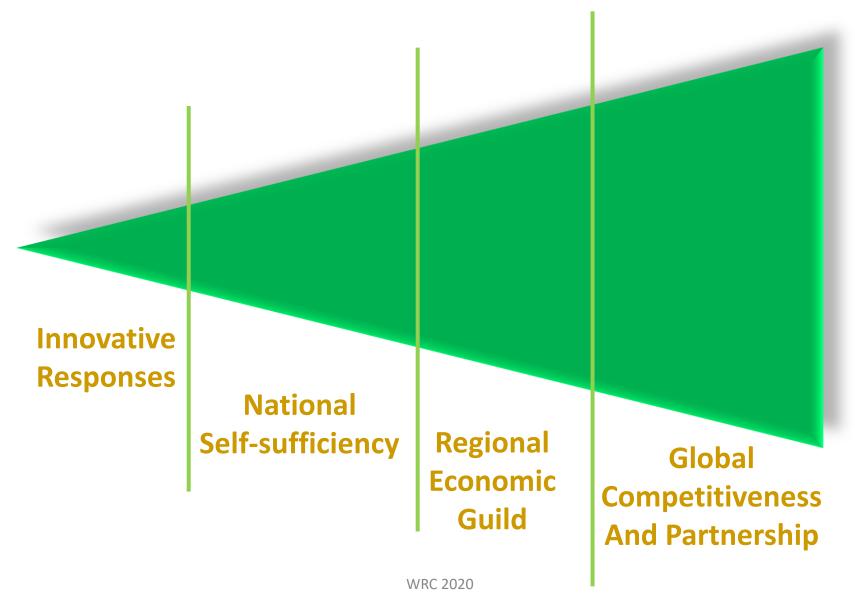


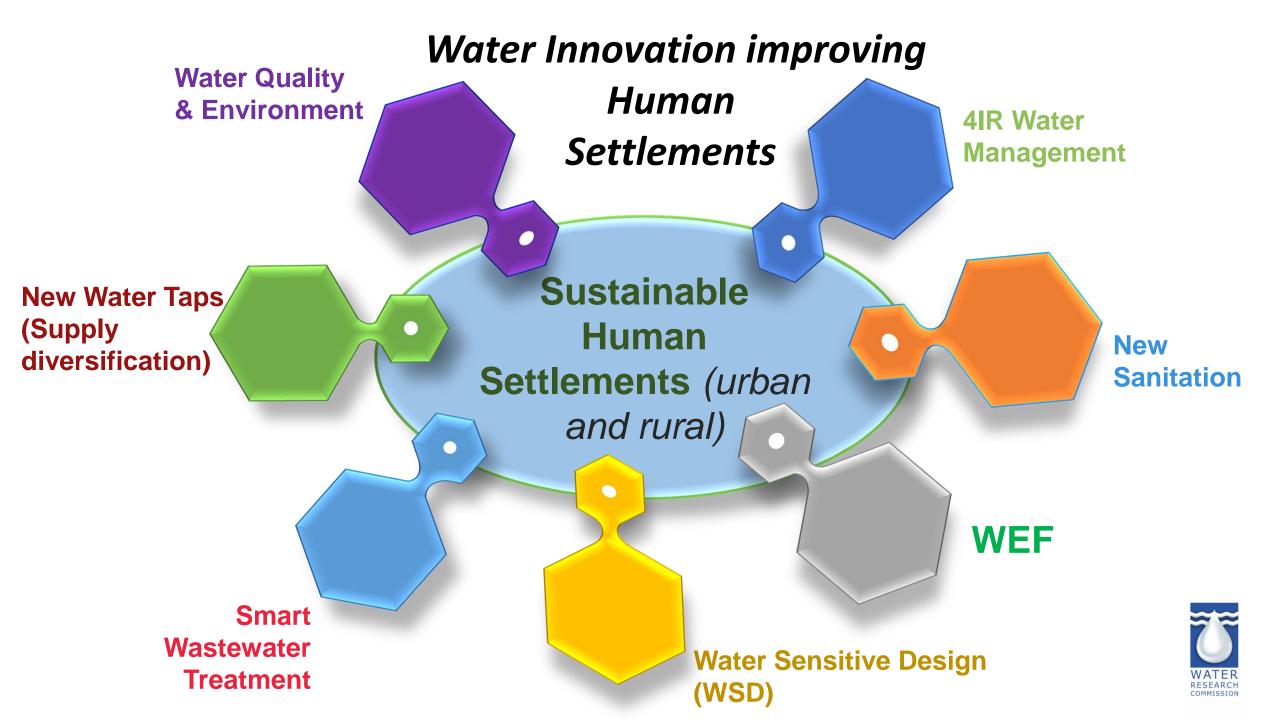






Exploring the Cone of Opportunity







SA's innovation assets can lead industrialisation and global competitiveness





SA's innovation assets can lead industrialisation and global competitiveness This is also the **Eureka Moment** for Youth Leadership

SECTION B: ISSUING OF THE SOUTH AFRICAN NATIONAL STANDARDS

SCHEDULE B.1: NEW STANDARDS

The following standards have been issued in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
Ed 1	Non-sewered sanitation systems — Prefabricated integrated treatment units — General safety and performance requirements for design and testing. Specifies general safety and performance requirements for design and testing as well as sustainability considerations for non-sewered sanitation systems (NSSS). A NSSS, for the purposes of this document, is a prefabricated integrated treatment unit, comprising frontend (toilet facility) and backend (treatment facility) components that a) collects, conveys, and fully treats the specific input within the system, to allow for safe reuse or disposal of the generated solid, liquid, and gaseous output, and b) is not connected to a networked sewer or networked drainage systems

17 May 2019 DTI Notice 275

A quiet revolution: Innovation led Industrialization



SA lead in Sanitation Industrialization

3. National 1. Proof of 2. Pilot Scale Concept Wastewater **Monitoring Surveillance** Rolled out national surveillance **Established monitoring** Established sampling program & National data analysis and integration partnerships covering provincial protocol GIS mapping – heat maps hot spots Preliminary sample analysis National communication Preliminary pilot surveillance Established sewershed sampling profile monitoring data

Stage Gated





