



water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



# Blue Deal Presentation

By Ms Eustathia Bofilatos

 DUTCH WATER  
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# WISA Blue Deal session

## Thursday 29<sup>th</sup> September 13:15 – 15:00

### Chair: Kevin McLeod

- 13:15 – 13:20 *Blue Deal video*
- 13:20 – 13:35 Hans Waals: “Keeping a steady course on the Blue Deal Program”
- 13:35 – 13:38 *Crocodile River video*
- 13:40 – 13:55 Eustathia Bofilatos: “Alignment of water governance”
- 13:55 – 13:08 *Vredefort Dome video*
- 14:00 – 14:15 Eric Kuindersma: “Water quality: a Blue Deal perspective”
- 14:15 – 14:18 *Msunduzi River video*
- 14:20 – 14:35 Nkosinjani Mkhize: “Successes, Shortcomings & Lessons Learnt:  
Phase 1 of Blue Deal Msunduzi River Project”
- 14:35 – 14:38 *Blesbokspruit video*
- 14:40 – 15:00 Question & Answers / Discussion



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# ALIGNMENT TO WATER GOVERNANCE



- Municipal water and sanitation services are deteriorating, as borne out by Green Drop and Blue Drop assessments as well as the experience of citizens
- While municipalities are responsible for water services in terms of the Constitution, National Water Act, and Water Services Act, the legislative framework includes checks and balances and requires national government to support municipalities and to intervene where there is non-compliance with minimum norms and standards
- To date, national government support and intervention related to municipal water and sanitation services has not been sufficiently effective to stop the decline in these services, and national government must take responsibility for this
- In response, DWS is putting in place a Water Services Improvement Programme to strengthen its support and intervention at municipal level
- The aim of the programme is to make DWS support and intervention more consistent and systematic as opposed to the current ad-hoc approach

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# OVERVIEW OF THE STATE OF MUNICIPAL WATER AND SANITATION SERVICES

- The 2018 NWSMP indicated that in many municipalities, water and sanitation services are in a poor state and deteriorating:
- 5.3 million households (35%) do not have access to reliable drinking water
- 14.1 million people do not have access to safe sanitation
- 56% of WWTWs and 44% of WTWs are in a poor or critical condition, and 11% are dysfunctional
- 41% of municipal water does not generate revenue and 35% is lost through leakage





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# 1<sup>st</sup> phase projects

-  *Crocodile River*
-  *Blesbokspruit*
-  *Vredefort Dome*
-  *Msunduzi River*





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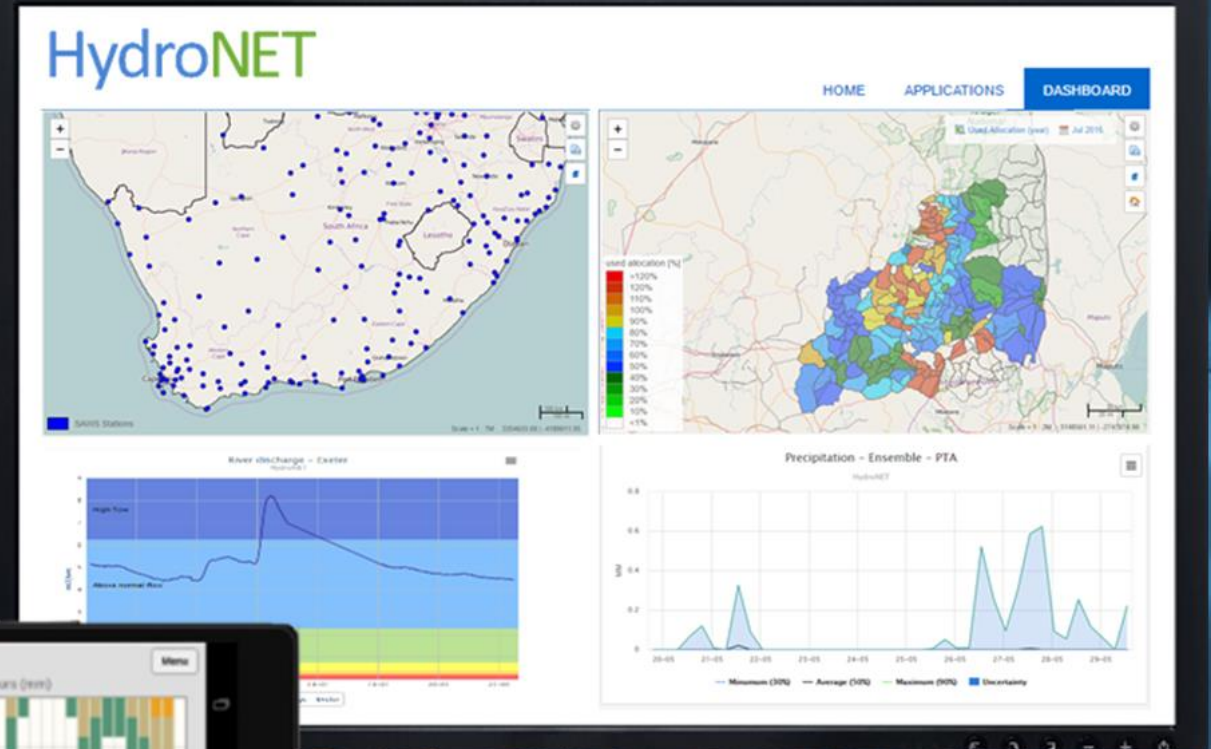
## LEARNING

- Based upon NW&SMP, NDP, and in support of WSIP
- DWS and DWA lead partners, working with national partners SALGA, MISA/CoGTA & WRC
- Learning within the project (Crocodile River - municipalities)
- Exchanging learnings between projects (Crocodile <> Vredefort, Blesbokspruit <> Msunduzi)
- Spreading local project “vertical lessons” horizontally via Partners
- Exchanging experiences by virtual missions and webinars (eg water hyacinth)
- We learn from and with each other (reciprocity)



# HydroNET

Web-based operational decision support system that transfers weather & water data into actionable dashboards and reports



Historical Weather Information

Compliance Monitoring Water Allocation

Water Quality Monitoring

Weather Forecasts



# HYDRONET COMMUNITY IN SOUTH AFRICA

More than 500 users from:

- South African Weather Service
- Gauteng Disaster Management
- Department of Water and Sanitation
- Proto-Catchment Management Agencies
- Wineries
- Farmers
- Agricultural Research Council



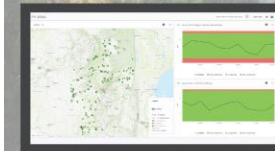
## Your Water Control Room



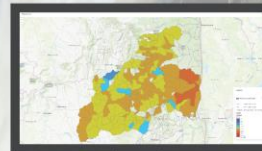
WEATHER FORECASTS



SAWS WEATHER STATIONS



COMPLIANCE MONITORING  
WATER QUALITY



REGIONAL WATER USAGE



COMPLIANCE MONITORING  
WATER ALLOCATION



GRIDDED RAINFALL



## EXPERIENCES PHASE 1

### LIKED

- ‘train the trainer’ WWTW operators on Crocodile River
- Mayor led Support: eg Ngwathe LM, Ehlanzeni DM

### LEARNED

- Importance of inter-institutional cooperation and commitment (IGR) and communications

### LACKED

- More partner alignment (local & national)

### LONGED FOR

- Real partnership with shared objectives & “inter-woven activities”



# CONCLUSION



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- The Blue Deal South Africa Partnership is a learning program in which these local challenges are targeted as pilot areas by different project teams.
- The Blue Deal goal will be achieved by creating an enabling environment in which specific local challenges are collaboratively addressed by regional and local institutions.
- This inter-institutional collaboration addresses poor performing WWTW's, lacking sanitation, failing water services and ecological challenges and improves IWRM.
- The integrated approach includes community involvement, climate change and social inclusion to achieve sustainable solutions.

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**SALGA**  
Inspiring service delivery



**MISA**  
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cooperative governance

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