










# WADER GROWTH 2015 – 2022

A REPRESENTATION OF THE GROWTH OF THE WADER TECH ACCELERATOR PORTFOLIO

	TOTAL PROJECTS SUPPORTED 	GENDER FEMALE  BLACK FEMALE  MALE  BLACK MALE 	TOTAL INVESTMENT AMOUNT 	TRL ALLOCATIONS  WADER SELECTS INNOVATIONS BETWEEN TRL 5 AND 8	ORGANISATIONS  UNIVERSITIES  SMME
2015 - 2017	9	0 0 9 2	R9 035 316,06 (DSI FUNDING)	TRL 1: 0 TRL 5: 0 TRL 2: 0 TRL 6: 3 TRL 3: 0 TRL 7: 1 TRL 4: 0 TRL 8: 5	1 8
2018 - 2022	30	5 2 25 7	R31 181 150,87 (GBS FUNDING THROUGH DSI)	TRL 1: 0 TRL 5: 1 TRL 2: 0 TRL 6: 13 TRL 3: 0 TRL 7: 7 TRL 4: 0 TRL 8: 9	8 22
2020 - 2022	7	2 0 5 2	R3 255 900,00 (UNDP FUNDING)	TRL 1: 0 TRL 5: 3 TRL 2: 0 TRL 6: 4 TRL 3: 0 TRL 7: 0 TRL 4: 0 TRL 8: 0	0 7
2015 - 2022	46	7 2 39 11	R43 472 366,93 TOTAL	TRL 1: 0 TRL 5: 4 TRL 2: 0 TRL 6: 20 TRL 3: 0 TRL 7: 8 TRL 4: 0 TRL 8: 14	9 37

## TESTBED PARTNERS



## science & innovation

Department:  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA



WATER TECHNOLOGIES DEMONSTRATION PROGRAMME  
An initiative of the Department of Science and Innovation  
and the Water Research Commission

## FUNDING PARTNERSHIP



# A CREDIBLE WATER INNOVATIONS ACCELERATOR

WADER is an initiative emanating from a DSI and WRC partnership, that implements a technology deployment approach for the water sector and is key to supporting the systematic demonstration, scale up and deployment of new and appropriate technologies.



science & innovation

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WATER  
RESEARCH  
COMMISSION

wader

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# HUMAN CAPACITY DEVELOPMENT:

WADER BUILDING CAPACITY IN WATER SECTOR INSTITUTIONS FOR INNOVATION

## YECOP

Young engineers changemakers programme

### YOUNG ENGINEERS CHANGEMAKERS PROGRAMME

### OUTPUTS

2019/2020 – 2021/22

1 Year programme

30 Engineers in programme

Bootcamp

3 Bootcamps  
(OVERVIEW ON WATER SECTOR)

Masterclass by international  
and national experts

3 Masterclasses  
(ADVANCED WASTEWATER TREATMENT)

Local site visits

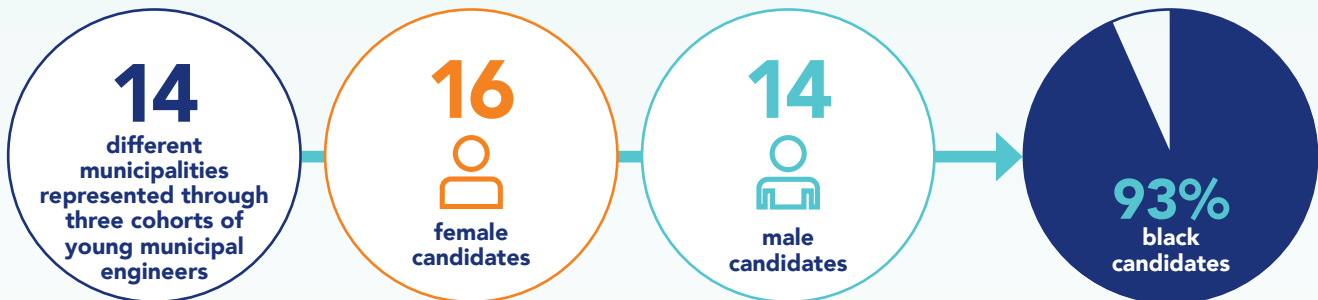
3 Local site visits  
(EMERGING INNOVATIONS)

International visits

3 International study tours  
(EXPOSURE, EXPERIENCE AND BUILDING OF  
NETWORKS FOR SELECTED CANDIDATES)

Final workshop with young  
engineers and their managers

R3 million budget (WRC AND  
SECTOR PARTNERS IN KIND SUPPORT)



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# wader

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The Water Technologies Demonstration Programme (WADER) is a technology accelerator furnishing innovative solutions for the African continent.



## NON-REVENUE WATER

TECHNOLOGY READINESS LEVEL

9

### AQUATRIP SOUTH AFRICA

A leak detection device that monitors the flow of water during specific set times that are predetermined by the customer. Water is shut off or the customer is notified when a leak is detected.



## RAINWATER HARVESTING

TECHNOLOGY READINESS LEVEL

8

### EDC TANKS

An innovative all-in-one system encompassing functionalities of rainwater harvesting that is technology functionally superior, cost-effective, modern, efficient and effective.



TECHNOLOGY READINESS LEVEL

8

### ZAMBEZI SANITATION

Slide-on Gutter is a rainwater harvesting system which is easily fastened onto the roof material, typically inverted box rib (IBR) sheeting or corrugated iron.



## DIGITAL INNOVATIONS

TECHNOLOGY READINESS LEVEL

7

### HYDRO BLU (PTY) LTD

A predictive software system that enables hydrogeologists to make data-driven decisions when identifying suitable locations to drill sustainable boreholes.



TECHNOLOGY READINESS LEVEL

9

### LOOK SEE DO

A Remote Technician and Virtual Training tool which enables interaction without having to be at a site physically.



TECHNOLOGY READINESS LEVEL

9

### CARIN BOSMAN

**SUSTAINABLE SOLUTIONS**  
Water Quality Monitoring Data Visualization, Management and Reporting Software-as-a-Service ("SaaS") aimed at digitizing the process of capturing field data.



## AGRICULTURAL SOLUTIONS

TECHNOLOGY READINESS LEVEL

7

### AGANG BOKAMOSO FARMS (PTY) LTD

A vertical modular hydroponics pipe system which affords cultivated plants continuous access to a mineral solution even while the irrigating system is off.



TECHNOLOGY READINESS LEVEL

8

### AGRI DRAINAGE

An innovative solution that facilitates substantial water, energy and cost savings whilst also facilitating notable crop yield improvements, gains in net revenue and improved soil health.



To partner with the WADER Programme or explore the various mechanisms and solutions that the programme has to offer, visit the WADER website on: [wader.org.za](http://wader.org.za) or contact the WADER Programme Manager, Dr Manjusha Sunil on email: [manjushas@wrc.org.za](mailto:manjushas@wrc.org.za)



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