

# THE WATER HUB

Bring innovation and development together



## TIMELINE

FACILITY	STATUS QUO	CLEAN AND REBUILD	TREAT AND RESEARCH	PLUG AND PLAY	EXHIBIT AND DEMONSTRATE	REPLICATION AND RIPPLE EFFECT
	<ul style="list-style-type: none"> <li>• Derelict</li> <li>• Contaminated sludge</li> <li>• Hazards</li> <li>• Overgrown</li> <li>• Polluted river</li> </ul>	<ul style="list-style-type: none"> <li>• Rebuild office</li> <li>• Secure site</li> <li>• Biomediation of sludge</li> <li>• Monitoring</li> <li>• Polluted river</li> </ul>	<ul style="list-style-type: none"> <li>• Initial ecological &amp; biomimicry-based treatment of polluted water</li> <li>• Initial Research activity</li> <li>• Testing and demonstration of different designs</li> <li>• Improving river health</li> </ul>	<ul style="list-style-type: none"> <li>• Complete development of treatment train and SUDS components</li> <li>• Construction of Plug And Play space</li> <li>• Rapid prototyping</li> <li>• Active research and learning</li> <li>• Restored river health</li> </ul>	<ul style="list-style-type: none"> <li>• Applied research</li> <li>• Best practice guidelines</li> <li>• Demonstration</li> <li>• Education and Training</li> <li>• Replication of technologies for household and stormwater management</li> <li>• Restored river health</li> </ul>	<ul style="list-style-type: none"> <li>• Expansion of research activity to other centres</li> <li>• Community of practice</li> <li>• Restored river catchments</li> <li>• Improved urban centres</li> </ul>



**MR SIVILE MGESE**  
Resident Researcher  
(PhD Candidate, UCT)



**DR KEVIN WINTER**  
Research Director  
(Future Water Institute, UCT)

Tel: 021 650 2975  
kevin.winter@uct.ac.za

## PARTNERS

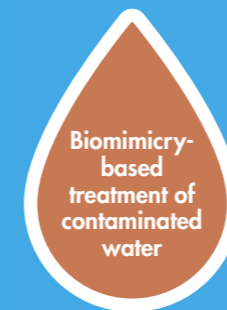


### Scientific Advisory Board Members

Prof N Armitage, Dr K Carden, Mr V Collis, Prof G Ekama, Mr J Frame, Mr J Harris, Prof Sue Harrison, Mr J Mingo, Ms S Royden-Turner, Dr T Sanya, Dr K Winter

Information: [www.wsud.co.za/WaterHub](http://www.wsud.co.za/WaterHub)

## INSPIRING A NEW GENERATION



The Water Hub aims to develop and showcase innovative tools, techniques and management solutions to improve water quality, as well as offer education and training that will contribute to a water secure future for South Africa.





## WATER TREATMENT TECHNOLOGY

A hub for researching advancements in green / bio-technology / biomimicry for the treatment and management of water



CONFIDENTLY  
ADVANCING KNOWLEDGE  
IN GREEN TECHNOLOGIES  
IN **WATER RESOURCE  
MANAGEMENT** BY LEARNING FROM  
**PEOPLE AND NATURE**

## TESTING TECHNOLOGY

Plug and Play centre for demonstrating and testing the performance of innovative water technologies.



## SKILLS DEVELOPMENT AND TRAINING

A centre for accredited training in the skills required for installing, operating and management of emerging water treatment technologies.

