

Monday 9 July 2018



## The CWRR Newsletter

You are now reading the sixth issue of CWRR's Newsletter 2018.

Your input to the Newsletter is more than welcome! Please send stories and photos of your field trips, project updates, interesting courses or conferences, links to publications, and more, to [MalingaR@ukzn.ac.za](mailto:MalingaR@ukzn.ac.za)

The Newsletter is also available online at [CWRR.ukzn.ac.za](http://CWRR.ukzn.ac.za)

## CWRR Hosts South Sudanese Study Visit

A delegation from South Sudan and Denmark, linked to the [Water for Eastern Equatoria](#) (ProWaS/SSN-EES) project, under the auspices of the Ministry of Water Resources and Irrigation (MWRI) in South Sudan paid a visit to the CWRR. The project is part of a broader collaborative programme between South Sudan and the Netherlands, funded through the Dutch Government with bilateral cooperation from South Sudan. It aims to improve water infrastructure and sanitation facilities in South Sudan, as well as develop quick impact interventions for urgent needs such as insufficient food production and income insecurity.

Project implementers from the Denmark-based international consulting company [NIRAS](#), travelled to KZN with two [Water, Sanitation and Hygiene \(WASH\)](#) staff members, and ministers, director generals and technical staff from the Imatong and Kapoeta states in South Sudan working with WASH.

Part of the project scope includes study visits to countries that have developed and implemented innovative approaches to water management, such as water and sanitation management approaches applied in Durban. This study visit was arranged in partnership with the eThekweni Municipality's [Water and Sanitation](#) division and UKZN's [Pollution Research Group](#), and involved local site visits.

In Pietermaritzburg, the delegation visited [Umgeni Water](#) to gain operational and institutional insight regarding projects on water use and planning and monitoring networks and data management. Subsequently, delegates visited the CWRR, and were informed of the Centre's history, and resilience related projects to address climate change, and water accounting methods. *By Susan Risko*

## Latest publications – journal articles

- ◆ Grassland degradation significantly enhances soil CO<sub>2</sub> emission. [CATENA 2018](#). Khatab Abdalla, Macdex Mutema, Pauline Chivenge, Colin Everson and Vincent Chaplot.
- ◆ Water security at local government level in South Africa: a qualitative interview-based analysis. [The Lancet Planetary Health 2018](#). Richard Meissner, Nikki Funke, Karen Nortje, Inga Jacobs-Mata, Elliot Moyo, Maronel Steyn, Justinus Shadung, Winile Masangane and Ngowenani Nohayi.
- ◆ South African local government perceptions of the state of water security. [Environmental Science & Policy 2018](#). Richard Meissner, Maronel Steyn, Elliot Moyo, Justinus Shadung, Winile Masangane, Ngowenani Nohayi and Inga Jacobs-Mata.
- ◆ Ocean governance for human health and the role of the social sciences. [The Lancet Planetary Health 2018](#). Richard Meissner.

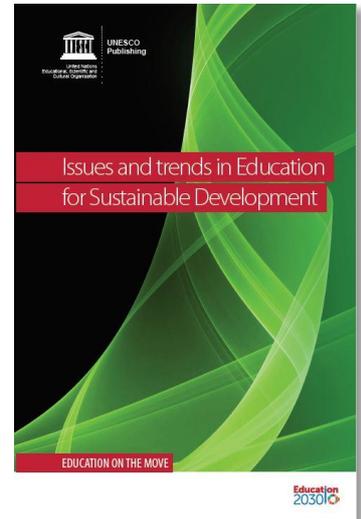
## Fellowship opportunities for Women in water and river management

The International River Foundation (IRF) launches the [Vera Thies Fellowship](#) for Women. The fellowship gives women from developing countries the opportunity to gain valuable work experience through the IRF and its partners, with the goal of advancing women's participation in water and river management to achieve the Sustainable Development Goals. This fellowship goes not only towards supporting the selected candidate, but towards continuing the important work of bridging the gap in women's participation in river basin management. Awarded in the name of the late Vera Thies, a long-time supporter of the IRF, the Fellowship recognises Vera's and the Thies family's long-time philanthropic support and commitment to forward-looking initiatives of the International River Foundation. Read more about the call [here](#) and submit your entry by 29 July 2018.



## Trends in Education for Sustainable Development

UNESCO have just launched a new book on [Issues and trends in Education for Sustainable Development](#) (Leicht, Heiss and Byun, 2018). This book reviews directions for achieving sustainable living, and one chapter by CWRR Associate members Jim Taylor, Rob O'Donoghue and Vivo Venter, explores how learning and training environments are transforming through Education for Sustainable Development (ESD). The chapter reports on how concerns for 'awareness creation' and for 'getting the message across to others' are no longer proving useful, and the importance of co-



engaged learning that is more participatory, reflexive and learner-led. A simple Action Learning process model scopes how learner-led change is now an imperative, especially in the context of the Sustainable Development Goals (SDGs). Seven illustrative cases of changing learning environments, from around the world are then provided.



## A new postdoc fellow

CWRR is welcoming Dr. Shaeden Gokool who has started as a post-doctoral fellow at the Centre this year. Gokool's research focuses on the identification of hotspots



for investment in Ecological Infrastructure, within the uMngeni Research Catchment, supervised by Prof. Graham Jewitt. Gokool carried out his BSc Honours, and MSc in Hydrology supervised by Kershani Tinisha Chetty and Prof. Graham Jewitt. His PhD research in Hydrology was supervised by Dr. Eddie Riddell, Dr. Caren Jarman, and Kershani Tinisha Chetty. Gokool's research interests mainly include the use of satellite earth observation data and associated models to capture and model hydrological processes, and using dual stable isotope chemistry to facilitate improved hydrological process understanding.

## Adaptation Futures 2018 and UMFULA mid-term meeting in Cape Town

During 18-21 June, 1300 scientists, practitioners, business leaders and policymakers from around the world gathered in Cape Town for the biannual Adaptation Futures Conference. The conference aimed to facilitate dialogues for solutions between key actors from diverse perspectives and regions. Over 160 innovative and participatory sessions were held. From the CWRR Prof. Roland Schulze, Dr. Michele Warburton, Dr. Sabine Stuart-Hill, Dr. Tafadzwa Mabhaudhi, Dr. Rebecka Henriksson Malinga and Trevor Lumsden attended. In connection to the conference, a mid-term meeting was held with the [Future Climate For Africa \(FCFA\) project UMFULA](#) (Uncertainty Reduction in Models for Understanding Development Application) in which the CWRR is one of the partner institutions. Prof. Graham Jewitt, Dr. Sabine Stuart-Hill and Dr. Rebecka Henriksson Malinga participated in the mid-term meeting, held at UCT. The CWRR MSc students doing their MSc research within UMFULA, Lizeth Nompumelelo and Xolisile Yende, attended remotely. The meeting aimed at updating the team members of the progress of the work from the three disciplines: climate science, impact modelling and social science, as well as the country specific progress in the two case studies, i.e. Malawi and Tanzania. The meeting was also a preparation for the upcoming annual meeting to be held in Tanzania in November where the majority of the final outputs will be planned. UMFULA is coming to an end during mid-2019.