

Water Governance in Southern Africa: UNESCO Chair in Water Economics and Transboundary Water Governance

The ANU-UNESCO Chair in Water Economics and Transboundary Water Governance will have a public workshop with presentations on some of the leading research on water issues in Mozambique, South Africa and Zimbabwe. The workshop is open to anyone and will take place on **Thursday 25 November**, Acton Theatre, at the Crawford School, Lennox Crossing, The Australian National University. For further details please contact: unesco.chair@anu.edu.au or call +61 2 6125 2872

Schedule

8:30	<i>registration/coffee</i>
8:45	Introduction by Quentin Grafton
9:00	Dr Keith Kennedy – <i>Improved Water Resources Management in Southern Africa: Opportunities using an Integrated Interdisciplinary Research Approach.</i>
9:30	Ms Eiman Karar – <i>The Water Research Commission; the research portfolio, new research areas, research collaborations and potential partnerships</i>
10:00	Panel Discussion
10:30	<i>morning tea</i>
10:50	Dr Hodson Makurira – <i>On-farm techniques to increase resilience against the impact of dry spells on vulnerable sub-Saharan rainfed agricultural systems</i>
11:20	Prof Kevin Rogers – <i>Building a socially robust catchment management strategy in South Africa</i>
12:20	Panel Discussion
12:45-13:30	<i>lunch</i>
13:30	Prof Pieter van de Zaag – <i>Interdisciplinary water research and education in Sub-Sahara Africa - the need for transboundary approaches</i>
14:00	Prof Dominic Mazvimavi – <i>Striving for a balanced river basin development on the transboundary Okavango River Basin in Angola, Botswana and Namibia</i>
14:30	Prof Innocent Nhapi – <i>WaterNet and research in IWRM: Opportunities for collaboration</i>
15:00	Panel Discussion
15:30	<i>afternoon tea</i>
15:50	Dr Stefano Farolfi – <i>Economic value of water for different uses in Southern Africa</i>
16:20	Dr Frances Cleaver – <i>Understanding Water Governance in Challenging Environments: How Institutions Adapt to Change</i>
16:50	Panel Discussion
17:20	<i>conclusion/final talk</i>

Organization

The UNESCO Chair was established in April 2010 as an initial four-year program that links the Australian National University; UNESCO's International Hydrological Programme (IHP) and Institute for Water Education (IHE); WaterNet; International Center for Water Economics and Governance in Africa (IWEGA) at University of Eduardo Mondlane; the International Water Management Institute; Wuhan University, China; University of Pretoria, South Africa; the Global Water Partnership; Water for Africa Research Project at University of London; and the Global Development Learning Network in a research, training and capacity building and knowledge transfer partnership in Southern Africa.

Speakers and topics

Prof Quentin Grafton



The Chairholder is Professor Grafton of the Australian National University. He is Honorary Professor of Economics at the University of Otago, Co-Chair of the ANU Water Initiative and also Director of the Centre for Water Economics, Environment and Policy (CWEPP). His current research in water includes market-based water recovery in the Murray-Darling Basin, rural water trading, water demand, urban water pricing and management, optimal water allocation between use and non-use, and adaptation to climate change.

Ms Eiman Karar – *The Water Research Commission; the research portfolio, new research areas, research collaborations and potential partnerships*



Ms Karar is the director of the Water Research Commission of South Africa. She has an MSc in environmental science, a Diploma in project management and is a registered professional Natural Scientist. She has 15 years of experience in water resources management in general and in governance and institutional aspects in particular. She was the Director at the national Department of Water Affairs responsible for developing policies to support the implementation of the decentralized water management institutions. She was a Commissioner on the Limpopo River and assisted with the design of the Orange River Commission. She authored a number of publications and book chapters.

Prof Kevin Rogers – *Building a socially robust catchment management strategy in South Africa*



Prof Rogers is Director of the Centre for Water in the Environment (CWE), Professor in Ecology at the University of the Witwatersrand, Johannesburg, and immediate past President of the Southern African Society of Aquatic Scientists. The CWE is an interdisciplinary research centre covering fluvial geomorphology, ecology, hydraulics, water policy, natural resource management and protected area management.

His current focus is as scientific advisor on capacity building and strategic adaptive management to the Inkomati Catchment Management Agency. His overriding passion is the development of adaptive management systems that integrate interdisciplinary science, stakeholder needs and co-operative decision making to meet South Africa's innovative water, environmental and protected area legislation. He insists on making sure that CWE science is *used and not just useful!*

Dr Frances Cleaver – *Understanding Water Governance in Challenging Environments: How Institutions Adapt to Change*



Dr Cleaver recently led the Water and development in Africa Research Project at the School of Oriental and African Studies, London, which was concerned with analyzing the effects of water governance policies on equity and access to water in selected African countries. At the University of Bradford she is currently working on research projects concerned with tracking the evolution of water management institutions in African River Basins.

Her professional work is centred on three interrelated themes:

- Institutions, collective action and participatory natural resource management.
- Water governance; policy, poverty and wellbeing.
- The everyday politics of gendered livelihoods and resource access.

Her interests link theoretical and methodological advances with practical policy application and she has pursued them both through research and consultancy work.

Dr Keith Kennedy – *Improved Water Resources Management in Southern Africa: Opportunities using an Integrated Interdisciplinary Research Approach.*



Dr Kennedy is a key member of the CSIR's Water Resource team, part of the Natural Resources and the Environment Research Uni, based in Stellenbosch South Africa. He received a PhD from the Hydrogeology Center at the University of Neuchâtel, Switzerland.

He is a fully licensed geologist and hydrogeologist and is active in related professional and civil society organizations regarding national and international environment and sustainability issues. His passion is to develop active and meaningful community engagement in planning and provision of allocation, wise and sustainable use and re-use practices for our precious water resources. He has advised and negotiated closure and remediation plans, water supply allocation and cost sharing agreements among disputing parties including governments and industry representatives.

Prof Pieter van de Zaag – *Interdisciplinary water research and education in Sub-Saharan Africa - the need for transboundary approaches*



Prof van der Zaag is professor of integrated water resources management at the UNESCO-IHE Institute for Water Education in Delft, The Netherlands, and also holds a professorship at Delft University of Technology.

Pieter has worked long-term in developing countries from 1982 to 2003. He has conducted research in the field of water resources, focusing on the dynamic relationship between biophysical and social processes. He has special interests in agricultural water management, water allocation issues in catchment areas and in the management of transboundary river basins, topics on which he has published widely. He is member of the governing board of WaterNet in Southern Africa and of the editorial board of the journal Hydrology and Earth System Sciences.

Prof Dominic Mazvimavi – *Striving for a balanced river basin development on the transboundary Okavango River Basin in Angola, Botswana and Namibia*



Prof Mazvimavi is the Professor of Water and Environmental Science, and Director of the Institute for Water Studies at the University of the Western Cape in Cape Town. Prof Mazvimavi obtained a PhD in Hydrology from the Wageningen University and the International Institute of Geo-information Science and Earth Observation in the Netherlands. He serves as the Managing Guest Editor for the Journal of the Physics and Chemistry of the Earth. Prof Mazvimavi has research interests on water resources planning and management, hydrological regionalization, effects of land-use change on runoff, and environmental flow assessment. He has previously worked as a Senior Research Fellow at the Harry Oppenheimer Okavango Research Centre of the University of Botswana, and Senior Lecture at the University of Zimbabwe. Prof Mazvimavi plays a very active role in Waternet, which is a SADC initiative aimed at developing IWRM capacity through postgraduate and short-term training programmes.

Dr Stefano Farolfi – *Economic value of water for different uses in Southern Africa*



Dr Farolfi is a senior economist at the French Agricultural Research Centre for International Development (CIRAD). He holds a PhD from the University of Padova (Italy) and a professorship in economics from the University of Montpellier (France). He is Scientific Director of the International Center for Water Economics and Governance in Africa (IWEGA), at the University E Mondlane of Maputo. S. Farolfi holds an international fellowship at the Centre for Environmental Economics and Policy in Africa (CEEPA) of the University of Pretoria. During this period he coordinated a number of projects on water governance and management and taught courses of environmental economics and policy. His main research interests refer to the negotiation and coordination aspects of water management and allocation.

Prof Innocent Nhapi – *WaterNet and research in IWRM: Opportunities for collaboration*



Prof. Innocent Nhapi is an expert in sanitary and environmental engineering. He has previously worked for a municipal council in Zimbabwe for nearly 10 years before joining the University of Zimbabwe in January 1999. At the University of Zimbabwe he was also involved in the running of two masters programmes in water and was attached to the WaterNet Project (regional capacity building project in Southern Africa) at various times in 2004 to 2005. In 2005 he briefly worked for the National Community Water and Sanitation Training Institute

(NCWSTI) in South Africa as a Senior Manager, Higher Education and Training. At NCWSTI, he was involved in the formulation of post-graduate courses and the running of a BSc programme in Community Water Supply and Sanitation, plus other research and training programmes of the Institute. From October 2005 to October 2008, Innocent was with the UNESCO-IHE Institute for Water Education as a Project Manager on the NPT-funded capacity building project on Water Resources and Environmental Management (WREM) at the National University of Rwanda. Innocent has written many journal articles and has also reviewed several papers and research reports and has been an editor/co-editor of a regular special issue of the Elsevier Physics and Chemistry of the Earth journal and an editorial board member of the Reviews in Environmental Science and Bio/Technology journal. In March 2009, Innocent was invited to assist WaterNet as an interim manager. He occupied this post until the end of August 2009 after which he moved to the University of Zimbabwe, Department of Civil Engineering, where he was appointed to sit on the SADC-WaterNet Professorial Chair in Integrated Water Resources Management. Innocent's main research interests are Water Supply and Sanitation, Water Quality Management, IWRM, Stormwater Management, and Institutional Aspects of Water Management.

Dr Hodson Makurira – *On-farm techniques to increase resilience against the impact of dry spells on vulnerable sub-Saharan rainfed agricultural systems*



Mr Makurira is a lecturer at the University of Zimbabwe. He has nearly 20 years of experience in the field of water management. In addition to teaching undergraduate courses in Civil Engineering, he is actively involved in the delivery of the SADC regional Masters Programme in Integrated Water Resources Management at the University of Zimbabwe. Hodson also took part in water sector reforms in Zimbabwe which saw the revision of water legislation and the decentralisation of water management in the country. He has participated in many researches in related to water management leading to journal publications.