



afrialliance

Africa-EU Innovation Alliance for Water and Climate

AfriAlliance Action Group: Integrated water resources management and ethics

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Institute for Water Education



Office
International
de l'Eau



WATER
RESEARCH
COMMISSION



UNIVERSITY OF TWENTE.

ITC FACULTY OF GEO-INFORMATION SCIENCE AND EARTH OBSERVATION



The European Water Platform



WATERnet

Building Capacity for Water Resources Management in Southern Africa

Both ENDS
Connecting people for change

akvo.org



WASCAL

West African Science Service Centre on
Climate Change and Adapted Land Use

ICLEI

Local
Governments
for Sustainability



Global Water
Partnership



WE & B

Water, Environment and
Business for Development



AIWA/AAE

CSIR

our future through science

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Project Overall Aim

- Water resources continue to deteriorate despite the adoption of IWRM and some progresses in policies, laws, monitoring programmes etc
- Concurrently, poverty, inequality, social and environmental injustices still pervade the African continent.
- Fundamental shift in managerial attitude and policy is required – balancing and trading off values.
- We propose a systemic-relational perspective to addressing some of these knotty issues
 - Social-ecological systems
 - Criteria for allocating water both to social and ecological constituencies
 - Where should the ultimate value be located? Social systems or ecological systems? Implications for policies and practice?
 - Project builds on Water Research Commission funded project in South Africa

Objectives

- Use the SR perspective to analyse and critique international case studies of IWRM, share lessons and synthesize knowledge for policy and practice
- Co-create knowledge and strategies for the application of the SR perspective to ethically-grounded water resource management – balancing water for livelihood security and environmental sustainability.
- Share the processes and methodology associated with the systemic-relational perspective with policy makers and demonstrate the applicability of its orienting principles.
- Undertake the pilot testing of the hydrogen-sulphide test kits as a low-cost technology for testing the quality of greywater
- Organise a workshop at Southern Africa level for knowledge sharing and training for managers and policy makers on the SR perspective and approach.

Activities and expected results

- Inception webinar workshop
- Analysis of IWRM case studies.
- Organise Action Group specific knowledge sharing workshop.
- Engage with relevant stakeholders and policy makers with regard to water resources management in selected catchments – criteria for water allocations and balancing values – social economic and environmental sustainability.
- Write and share a technology transfer document, detailing how the SR perspective, process and approach can be used in IWRM.
- Identify and present at an appropriate conference.
- Select households in South Africa, Botswana and Morocco, and test the applicability of the hydrogen-sulphide test kits as a low-cost technology.
- Organise training workshops on greywater re-use
- Organise a Southern Africa training workshop on the SR ethically-grounded water resource management.

Impacts and localities

- Policy impacts
 - Practice impacts
- Potentially translate into ethically-grounded better water resource management in the long-run
- South Africa, Botswana, Morocco, Spain and the Netherlands