

AUDA-NEPAD Water CoEs

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AFRICAN UNION DEVELOPMENT AGENCY



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saam vorentoe



Dr. Nico Elema

**Director: Centre for Collaboration in
Africa**

**Network Director: AUDA-NEPAD
Southern African Network of Water
CoEs / PERIPERI-U (Disaster Risk
Reduction)**

ne@sun.ac.za



Photo by Stefan Els

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AUDA-NEPAD Western African CoE Network in WASH

1. University of Cheikh Anta Diop (Senegal)- Coordinator
2. International Institute for Water and Environmental Engineering (Burkina Faso)
3. University of Benin (Nigeria)
4. National Water Resources Institute (Nigeria)
5. Kwame Nkrumah University for Sciences and Technology (Ghana)

AUDA-NEPAD Southern African CoE Network in WASH

6. Stellenbosch University (South Africa) – Coordinator
7. International Centre for Water Economics and Governance in Africa (Mozambique)
8. University of KwaZulu-Natal (South Africa)
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14. Namibia University of S&T
15. National University of S&T (Zimbabwe)
16. University of Mauritius

AUDA-NEPAD Eastern and Central Africa CoE Network in WASH

17. Makerere University (Uganda)
18. Water Research Center, University of Khartoum (Sudan)
19. Ethiopian Institute of Water Resources, Addis Ababa University (Ethiopia)
20. IGAD Climate Prediction and Applications Centre (Kenya)



**PERIPERI-U
(Disaster Risk
Reduction)**

21. Bahir Dar University – Bahir Dar, Ethiopia
22. Makerere University – Kampala, Uganda
23. Moi University – Eldoret, Kenya
24. Ardhi University – Dar Es Salaam, Tanzania
25. Universidade Técnica de Moçambique (UDM) – Maputo, Moçambique
26. University of Antananarivo, – Antananarivo, Madagascar
27. Stellenbosch University – Stellenbosch, South Africa
28. Ahmadu Bello University – Zaria, Nigeria
29. University of Ghana – Accra, Ghana
30. Gaston Berger University – St. Louis, Senegal
31. University of Bab Ezzouar / Built Environment Research Laboratory – Algiers, Algeria
32. University of Buea – Buea, Cameroon

Both Secretariats are hosted by the Centre for Collaboration (CCA) in Africa at SU International

AUDA-NEPAD Networks of Water CoEs

-> ArcX

Western African CoE Network

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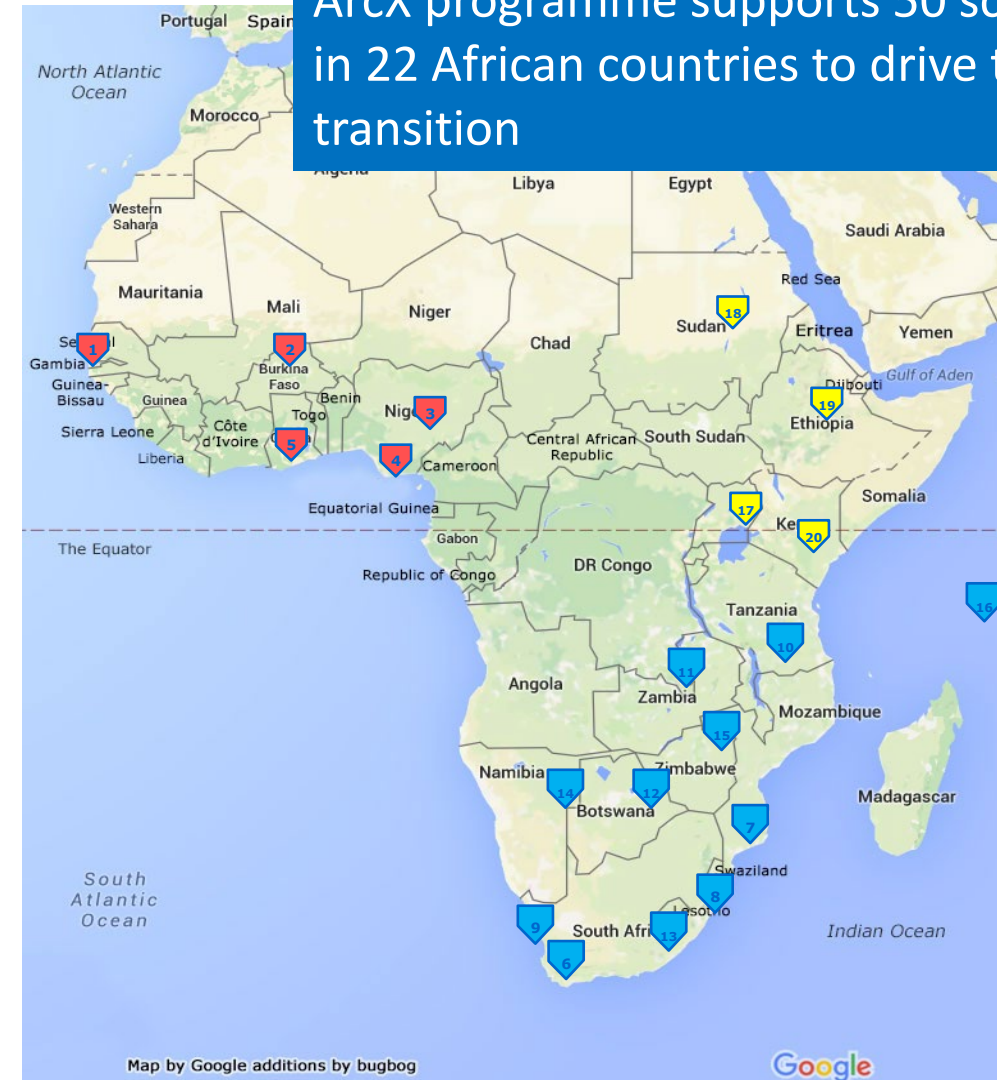
Southern African CoE Network

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14. Namibia University of S&T
15. National University of S&T (Zimbabwe)
16. University of Mauritius

Eastern and Central Africa CoE Network (since aug.2017)

17. Makerere University (Uganda)
18. Water Research Center, University of Khartoum (Sudan)
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ArcX programme supports 50 science hubs in 22 African countries to drive the green transition



Background



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1. AMCOST and AMCOW - Establish an African Network of Excellence in Water Sciences and Technology Development. 22 November 2006, Cairo, Egypt

RESOLUTIONS OF THE
INTER-MINISTERIAL DIALOGUE BETWEEN AMCOW AND
AMCOST ON ESTABLISHING AFRICAN NETWORK OF
CENTRES OF EXCELLENCE IN WATER SCIENCES AND
TECHNOLOGY

Adopted on 22nd November 2006
Cairo, Egypt

PREAMBLE

WE, the Ministers responsible for science and technology and water, meeting at the Inter-Ministerial Dialogue on Establishing an African Network of Centres of Excellence in Water

2. European Commission (EC) initiated a process to provide funding to support the establishment of an African Networks of Water Centres of Excellence - 2007



- ~2009-2014
- Joint Learning
 - Joint design and delivery of seminar
- Knowledge management
 - Educational material, Aquaknow, international workshop, e-conference

Ministerial/High Level Resolutions

- **AMCOW 2013:** “to develop a Human Capacity Development Programme aimed at addressing junior professional and technician level capacity challenges in the water sector”. Decision: EXCO/11/2013/CAIRO/17.
- **Joint Africa -EU Strategy (JAES),** As a flagship programme of the AU/NEPAD, the Networks of Water Centres of Excellence have also been identified as key partner which provides a high -level co-operation platform for the EU and African partners.
- **SADC Minsters for Water 2013** : Approve the AU/NEPAD SANWATCE Business Plan (Section 5.2.9.7);
- **SADC Ministers responsible for Science, Technology and Innovation, Education and Training Maputo, 2014** : Ministers noted and supported the activities of the AU/NEPAD SANWATCE and called upon Member States to nominate institutions to form part of the Regional Network.

- ~2016-2020
- 1. Expand the networks to also include Central/East Africa (CEANWATCE)
- 2. Research in IWRM at RBOs (include research 141 outputs)
- 3. Human Capacity Development
 - Definition of needs, priorities and gap analysis, through multi-stakeholders participative approach for all NEPAD CoE Networks
 - HCD National Frameworks on the water sector, including M&E for WANWATCE, SANWATCE and CEANWATCE Networks.
 - 22 pilot trainings implemented

ACEWATER III 2024-2027



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48 Months - 2024-2027

Budget: EURO 5 Mil

- Action1: Research for STI +
 - Research to inform TBWM decision-making, Capacity development and technology transfer, Data management and data sharing in the water sector towards decision support systems
 - *Objective and indicators: to engage with countries/ministries and institutions in scientific collaboration with the AUDA NEPAD CoE networks for improved water resources management and decision-making. This will lead to increased human capacity at management, administrative and technical levels at national level education and management institutions identified during ACEWATER II.*



ACEWATER III 2024-2027



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- Action 2: Human Capacity Development for STI +
 - Implement and further embed the Human Capacity Development Programmes addressing junior professional and technician level capacity challenges and fostering a sustainable capacity development approach for TBWM.
- Action 3: Short-term staff and post-graduate research exchange.
 - *Objective and indicators: It is the objective of the ACEWATER III project to create opportunities for 79 staff and 120 emerging scholars to undertake short-term research- and skills exchanges between member institutions of the AUDA-NEPAD Water CoEs.*



ACEWATER III 2024-2027



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- Action 4: Cross-cutting: Performance Monitoring, Evaluation (M&E) and Learning.
 - Environment, Health, Gender, Youth, Governance and transparency
- Action 5: Publication, communication and dissemination
 - *Objective and indicator: It is the objective of the ACEWATER III project to provide 152 opportunities for staff and 48 opportunities for post-graduate students to attend regional conferences, and attend the biennial AMCOW General Assembly and AfricaSAN conference.*



ACEWATER III - Monitoring and Evaluation

Outputs: 2024-
June 2026 (to
date)

	Target	Achieved 2024 - June 2026	Ongoing/Outstanding 2026 & 2027
Research			
Number of Publications	No target	20	No target
Number of Symposia hosted	No target	2	No target
Number of Symposium delegates	No target	450	No target
Total nr of Post Graduate students	No target	14	No target
Nr of Scientific data-bases/data sets	No target		No target
Coordinated, targeted and sustainable STI strategies at political, socio-cultural, sectoral	not specific	tbc	No target
Increased human capacity at management, administrative and technical levels at national level education and management institutions identified during ACEWATER II.	not specific	tbc	No target
Human Capacity Development (short course training)			
	Target	Achieved	
Number of Short courses	40	17	22
Nr of delegates per short course	50	48,06	n/a
Number of participants trained	2000	817	1183
Short-term exchange mobilities			
	Target	Achieved	
Number of individual short term mobilities	200	44	156
Publication, communication, dissemination (stakeholder engagements)			
	Target	Achieved	
Number of policy/stakeholder engagements	No target	35	no target
Number of participants from ACEWATER III	200	132	68
Audience reach	No target	1461	no target

ACEWATER III - Research



2ND RESEARCH EXCELLENCE AWARDS

**Dr. Charles Gyamfi –
Best Mid-Career Researcher**



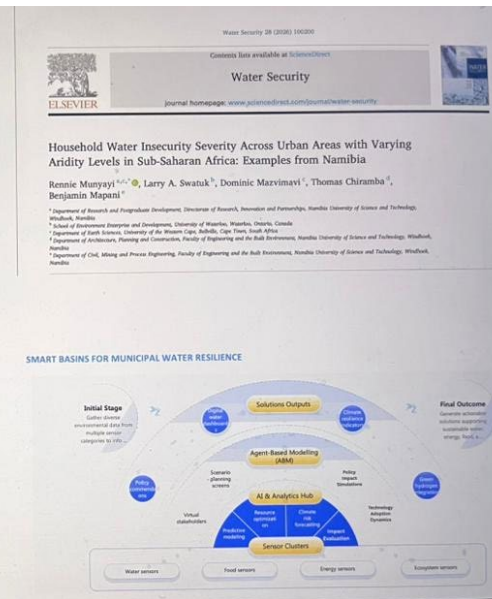
For more information about people-centred measurements of urban water security contact:

Rennie Munyayi
Manager: Research & Postgraduate
Development Manager
PhD Fellow in Urban Water Security -
University of the Western Cape
rmunyayi@nust.na

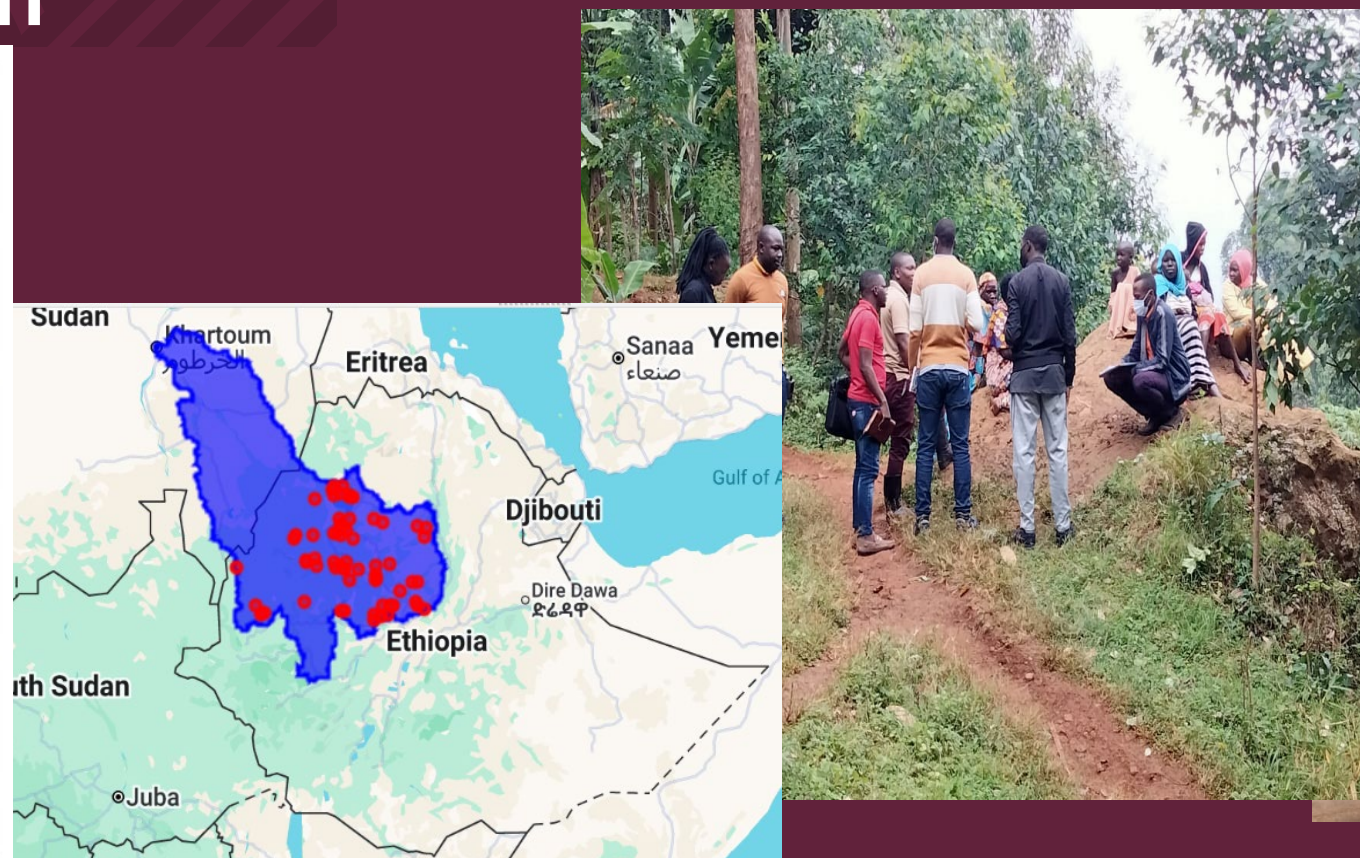
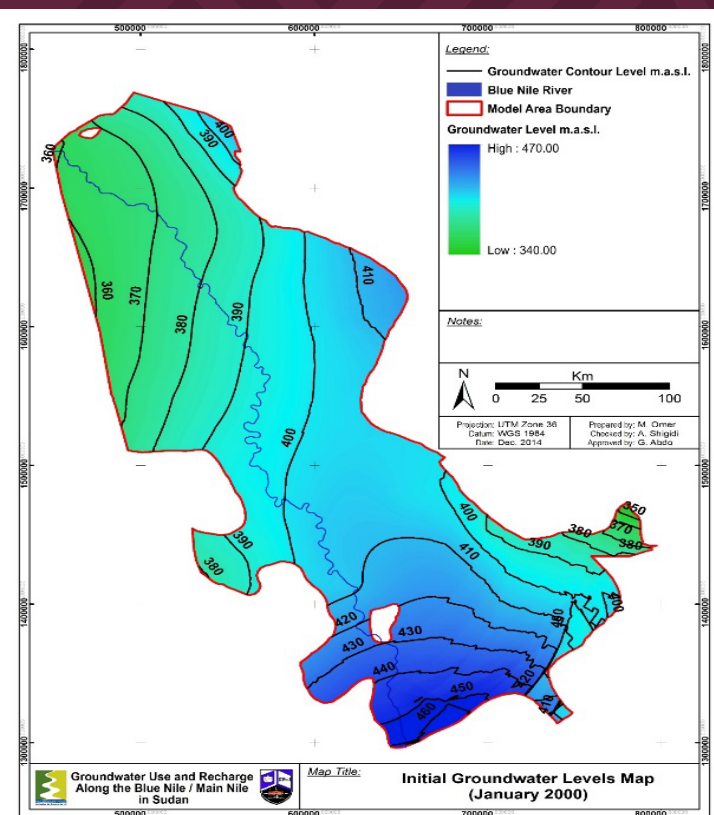


For more information about the
ACEWATER II SWIM PROJECT, contact

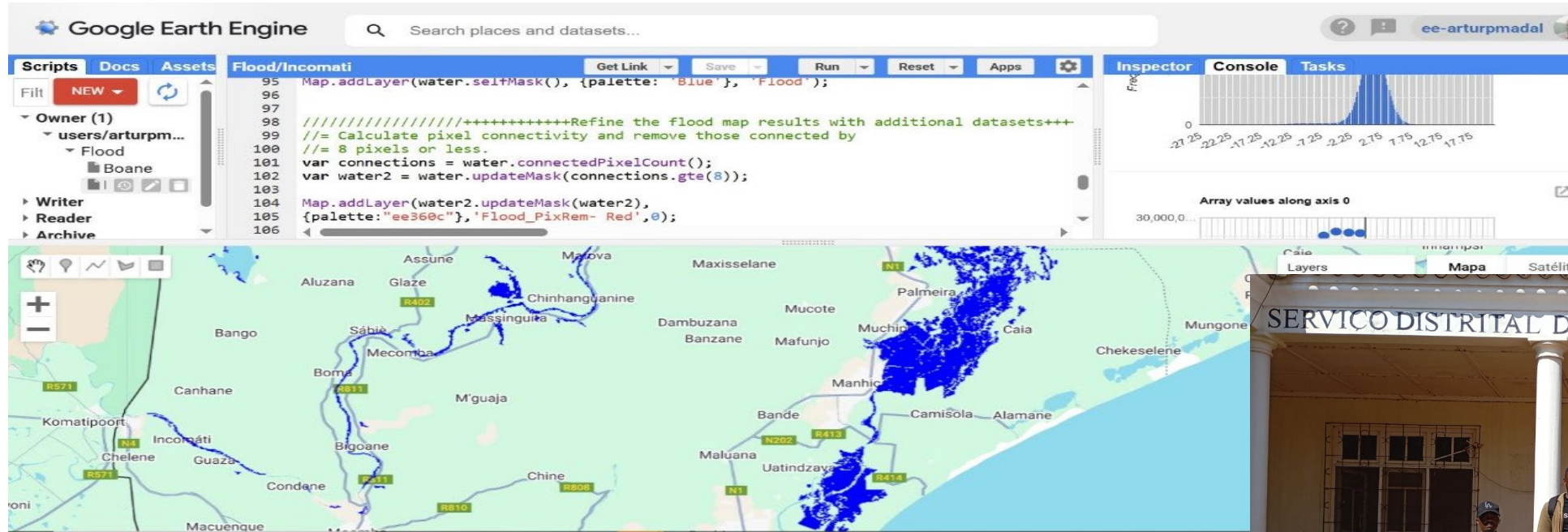
Dr. Anna Matros-Goreses
Executive Director: Directorate of Research,
Innovation & Partnerships
Amatros-goreses@nust.na



ACE III Research



Flood risk mapping in Mozambique – Incomati and Zambezi basins



Conducting household and key informant interviews



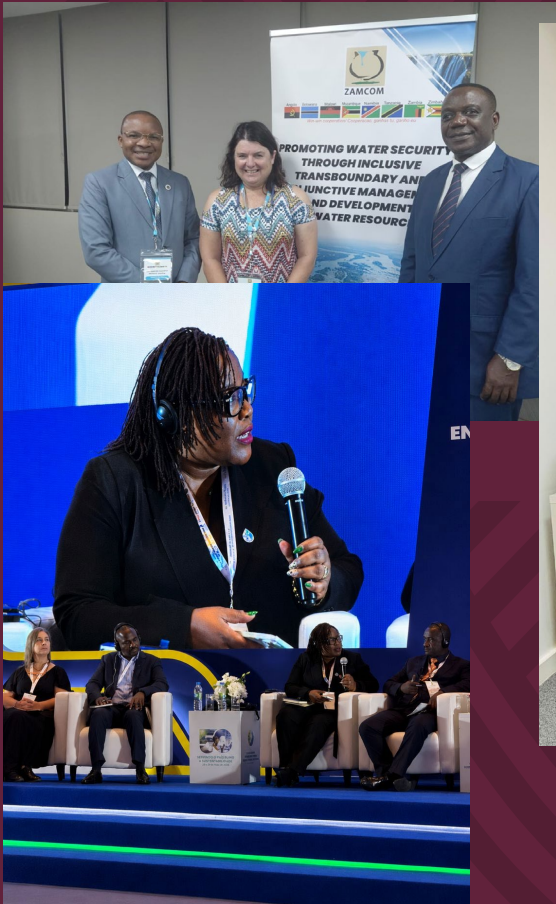
Funded by
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ACEWATER III - Research



- **SADC Water Research Agenda**
 - To be approved by SADC ministers 2/3 Q 2026
- **All research projects continuous...**
- Stellenbosch University presented at ZAMTECH meeting in Dar es Salaam on 22 April about Transboundary Water Ethics project.
- NUST Namibia at the 2nd International Conference on Energy and Water 2026 in Luanda, 28-29 May 2026

HCD (training) Activities

- Africa Day- Year for Water 25 May Johannesburg South Africa, UJ Kerzner campus

- DSTI, AUDA-NEPAD Prof Kawawa Banda, Prof Piet Kenabatho
- Technical water workshop 26-27 May. Lead by Manuel Jackson and SUWI Team, UJPEETS and industry partners

Day 1 Facilitators / Presenters (technical & governance foundations)

Day 2 Industry-Partner Presenters (applied solutions)



HCD Activities



- University of Benin - Geospatial Information, AI, Machine/ Deep Learning in Water Resources in Water Resources Management, 10-18 Nov 2025. 31 participants
- SGSP-IWRM Symposium (SASSCAL Graduate Studies Programme), 11-12 Nov 2025. University of Zambia, NUST, Malawi, Botswana,



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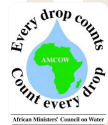
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ACEWATER III

1. Research, capacity development, Science-policy translation
2. Impact on society

ACEWATER IV? – Scale up



ACEWATER III

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Thank you Enkosi Dankie

Dr. Nico Elema
ne@sun.ac.za

