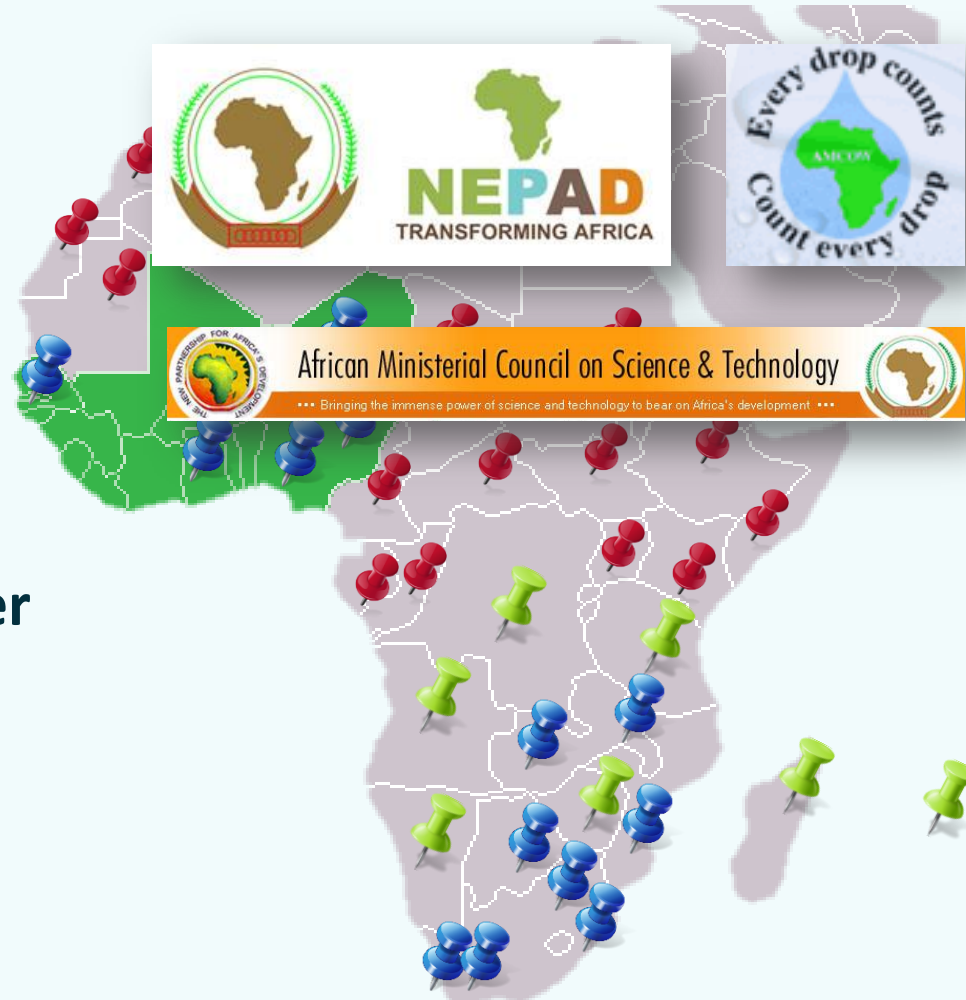


NEPAD AFRICAN NETWORKS OF WATER CENTRES OF EXCELLENCE



Presented by: Mr. Nico Elema
Programme Manager: AU/NEPAD
Southern African Network of Water
Centres of Excellence

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The AU/NEPAD
Networks of Water
Centres of Excellence
Scientific research
to achieve Policy Impact
in the African Water Sector.
KNOWLEDGE PARTNERS
ACROSS AFRICA

Our Mandate - 2006

The African Ministerial Councils on

- Science and Technology (AMCOST)



- and Water (AMCOW)



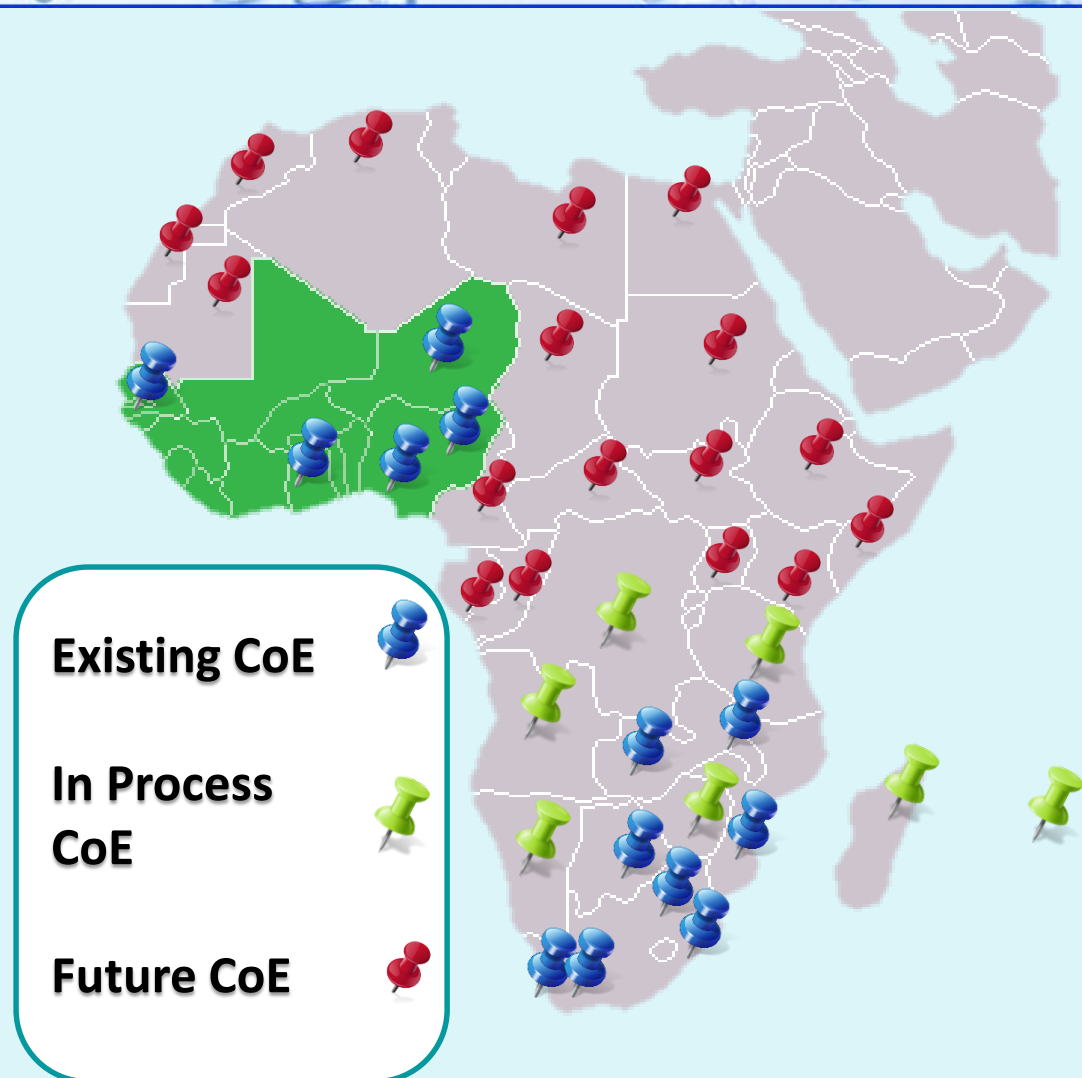
Authorized the CoE initiative to run under
NEPAD's Office of Science and Technology

(Cairo Resolution, 2006)



About

Networks of Higher Education- and Research institutions across Africa, who conduct high-end scientific research on water and related sectors, in order to achieve policy impact with governments.



FOCUS AREAS

Own activities and support (CAP-NET; GWP; WaterNet etc.)

1. Research and Development (including infrastructure) through innovation;
2. Human capacity development;
3. Outreach through networking; conferences and workshops;
4. Strategic partnerships and
5. Financial sustainability.



AMCOW Resolution - 2013

- **EXCO/11/2013/CAIRO/17:** EXCO notes the growing human resources shortages to achieve water and sanitation goals in Africa and directs the Secretariat to work with the **AUC and NEPAD Centres of Excellence to develop a Human Capacity Development Programme** aimed at addressing junior professional and technician level capacity challenges in the **water sector.** (Decision of the 11th AMCOW Executive Committee of the African Ministers Council on Water (AMCOW) on 6th June 2013 in Cairo, Egypt)

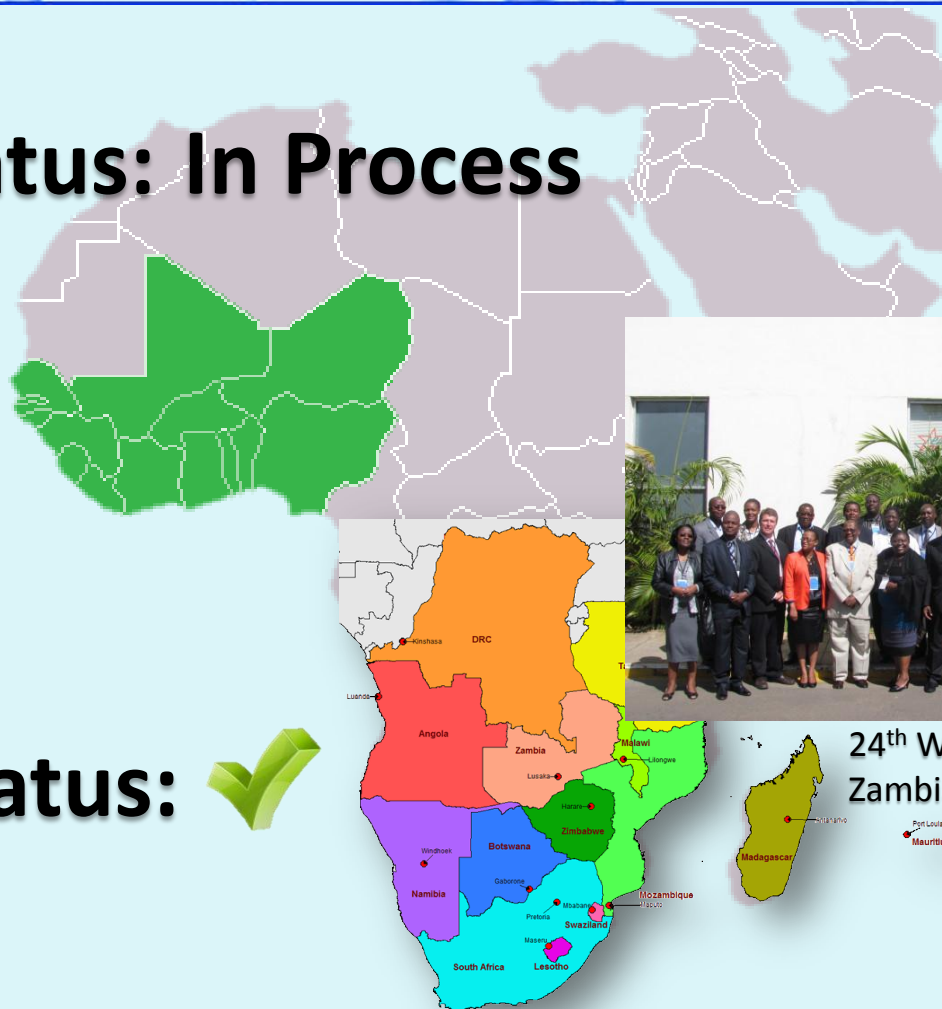
INSTITUTIONALISATION Regional



Status: In Process



Status:




24th WRTC Meeting, Lusaka, Zambia, May 2013



Regional support SADC Water

SADC Water Division (at the SADC Water Resources Technical Committee meeting in Lusaka, Zambia, 7 May 2013) and subsequent ratification at the SADC ministers meeting as follows:

- Approve the AU/NEPAD SANWATCE Business Plan (Section 5.2.9.7);  **WARFSA-II**
Water Research Fund for Southern Africa
- Approve the proposal for AU/NEPAD SANWATCE to be the implementing agent for the Water Research Fund for Southern Africa (WARFSA 2.0), a programme of SADC Water Division (Section 5.2.9.8).
- Collaborate with WaterNet

Regional support SADC S&T

During the **June 2014 meeting of the SADC Minsters responsible for Science, Technology and Innovation, Education and Training, held in Maputo, Mozambique**, 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



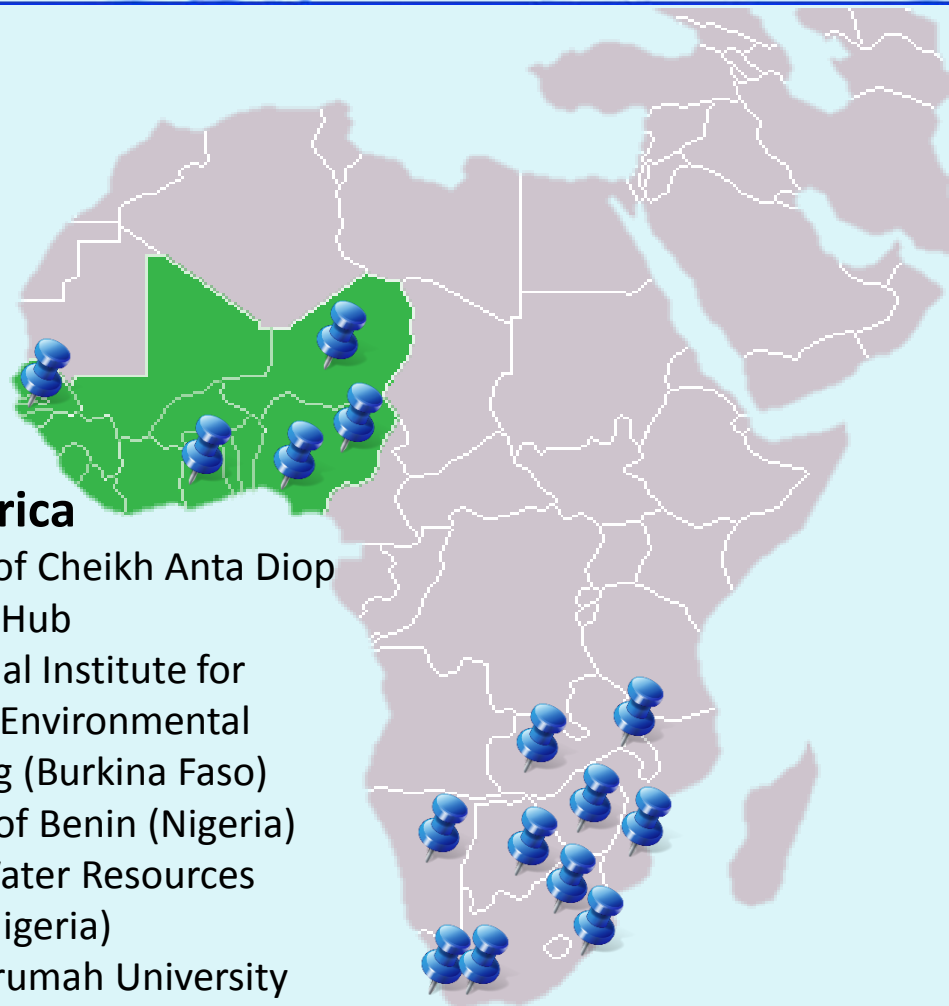
Current Members

Southern Africa

- Stellenbosch University (South Africa) – as the Secretariat and hub
- International Centre for Water Economics and Governance in Africa (Mozambique) - Node
- University of KwaZulu-Natal (South Africa) - Node
- University of Western Cape (South Africa) - Node
- University of Malawi (Malawi) - Node
- University of Zambia (Zambia) - Node
- University of Botswana (Botswana) - Node
- The Council for Scientific and Industrial Research, CSIR (South Africa) – Node
- Namibia Polytechnic (Nam)
- National University of S&T (Zim) – in-process

Western Africa

- University of Cheikh Anta Diop (Senegal) - Hub
- International Institute for Water and Environmental Engineering (Burkina Faso)
- Université of Benin (Nigeria)
- National Water Resources Institute (Nigeria)
- Kwame Nkrumah University for Sciences and Technology (Ghana)



MANAGEMENT



**Host of the SANWATCE
Secretariat**

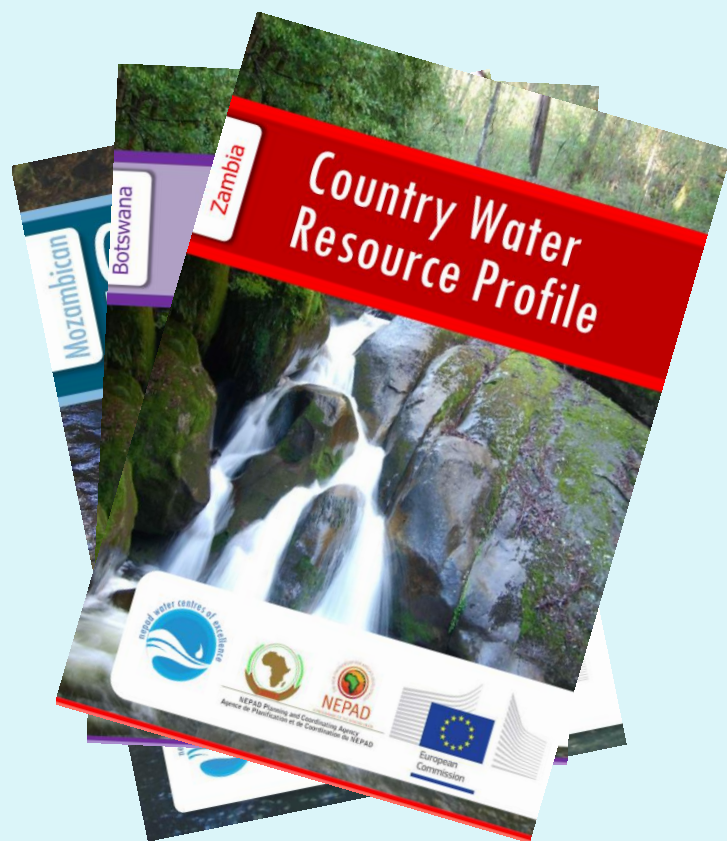
**Stellenbosch University,
South Africa**



**Host of the WANWATCE
Secretariat**

**Cheikh Anta Diop
University, Dakar
(Senegal)**

Reports



Mozambican Water Resources
Water Demand
Socio-economic Settings
Water Management Issues
Water Policies
Institutional Settings of the Water Sector
Existing and Planned Water Infrastructures
Priorities in Water Infrastructure
List of Researchers and Research Institutions in the Water Sector
Human Resources Development
Conclusions
References

Current Country Water Resource Profiles

- Mozambique
- Botswana
- Zambia
- Malawi

Download from www.nepadwatercoe.org

Water Research Fund for Southern Africa WARFSA 2.0

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WARFSA History

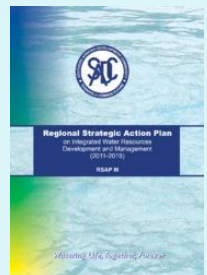


Phase 1 and 2 late 90's to mid 2000s.
Previously Managed by Institute of Water and Sanitation Development (IWSD)

- WARFSA has funded 69 of 242 proposals received from 10 continental SADC countries, benefiting some 70 separate researchers.
- WARFSA supported five annual symposia in affiliation with WaterNet and GWP-SA.
- WARFSA is an affiliate program of the SADC Water Division (SADC WD).



WARFSA 2.0



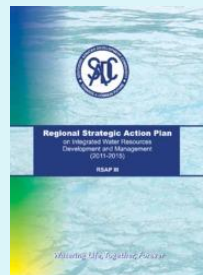


WARFSA 2.0



Outputs - Research

- Funding of 20 Research projects per year (\$50,000 each)
- Seed funding of 5 proposals for proof of concept project development (including small pilots) per year (\$5,000)
- Funding of 2 major collaborative, multi-disciplinary basin wide projects per year (\$100,000)





WARFSA 2.0



Outputs – Ops support

- Daily management and support
- Board; Scientific Committee; Finance Committee and Management committee support (flights and accommodation) – meet 2x per year
- 3 workshops in 3 countries just before calls



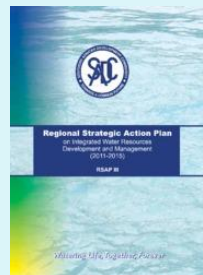


WARFSA 2.0

Outputs – Promotion and implementing



- Promotion
- WaterNet/WARFSA/GWP-SA Symposium (\$20,000)
- Audit

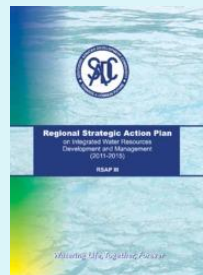




WARFSA 2.0 Dissemination



- 10 Policy briefs per year
- Bi-annual International conference
- In-country promotion of results





FUNDING WARFSA 2.0



Based on a 5% bi-annual escalation

Year 1-5

	Year 1	Year 2	Year 3	Year 4	Year 5	Total Year 1-5
Research						
Sub-total	\$ 1 408 750.00	\$ 1 408 750.00	\$ 1 479 187.50	\$ 1 479 187.50	\$ 1 553 146.88	\$ 7 329 021.88
Capacity Development						
Sub-total	\$ 199 400.00	\$ 199 400.00	\$ 209 370.00	\$ 209 370.00	\$ 219 838.50	\$ 1 037 378.50
Promotion and Implementing Research						
Sub-total	\$ 45 000.00	\$ 20 000.00	\$ 47 250.00	\$ 21 000.00	\$ 49 612.50	\$ 182 862.50
Dissemination and Utilisation of Results						
Sub-total	\$ 80 000.00	\$ 50 000.00	\$ 84 000.00	\$ 52 500.00	\$ 88 200.00	\$ 354 700.00
Long Term Plan						
Sub-total	\$ 80 000.00	\$ 10 000.00	\$ 114 000.00	\$ 10 500.00	\$ 88 200.00	\$ 302 700.00
GRAND TOTAL	\$ 1 813 150.00	\$ 1 688 150.00	\$ 1 933 807.50	\$ 1 772 557.50	\$ 1 998 997.88	\$ 9 206 662.88



FUNDING WARFSA 2.0



Based on a 5% bi-annual escalation

Year 6-10

	Year 6	Year 7	Year 8	Year 9	Year 10	Total Year 6-10
Research						
Sub-total	\$ 1 553 146.88	\$ 1 630 804.22	\$ 1 630 804.22	\$ 1 712 344.43	\$ 1 712 344.43	\$ 8 239 444.17
Capacity Development						
Sub-total	\$ 219 838.50	\$ 251 830.43	\$ 251 830.43	\$ 264 421.95	\$ 285 421.95	\$ 1 273 343.24
Promotion and Implementing Research						
Sub-total	\$ 22 050.00	\$ 52 093.13	\$ 23 152.50	\$ 54 697.78	\$ 24 310.13	\$ 176 303.53
Dissemination and Utilisation of Results						
Sub-total	\$ 55 125.00	\$ 92 610.00	\$ 57 881.25	\$ 97 240.50	\$ 60 775.31	\$ 363 632.06
Long Term Plan						
Sub-total	\$ 11 025.00	\$ 92 610.00	\$ 46 076.25	\$ 97 240.50	\$ 12 155.06	\$ 259 106.81
GRAND TOTAL	\$ 1 861 185.38	\$ 2 119 947.77	\$ 2 009 744.64	\$ 2 225 945.16	\$ 2 095 006.88	\$ 10 311 829.82

10 Year total: \$19, 58 mil

Opportunities

- Support research in water through Water Research Fund for Southern Africa (WARFSA) – funding 

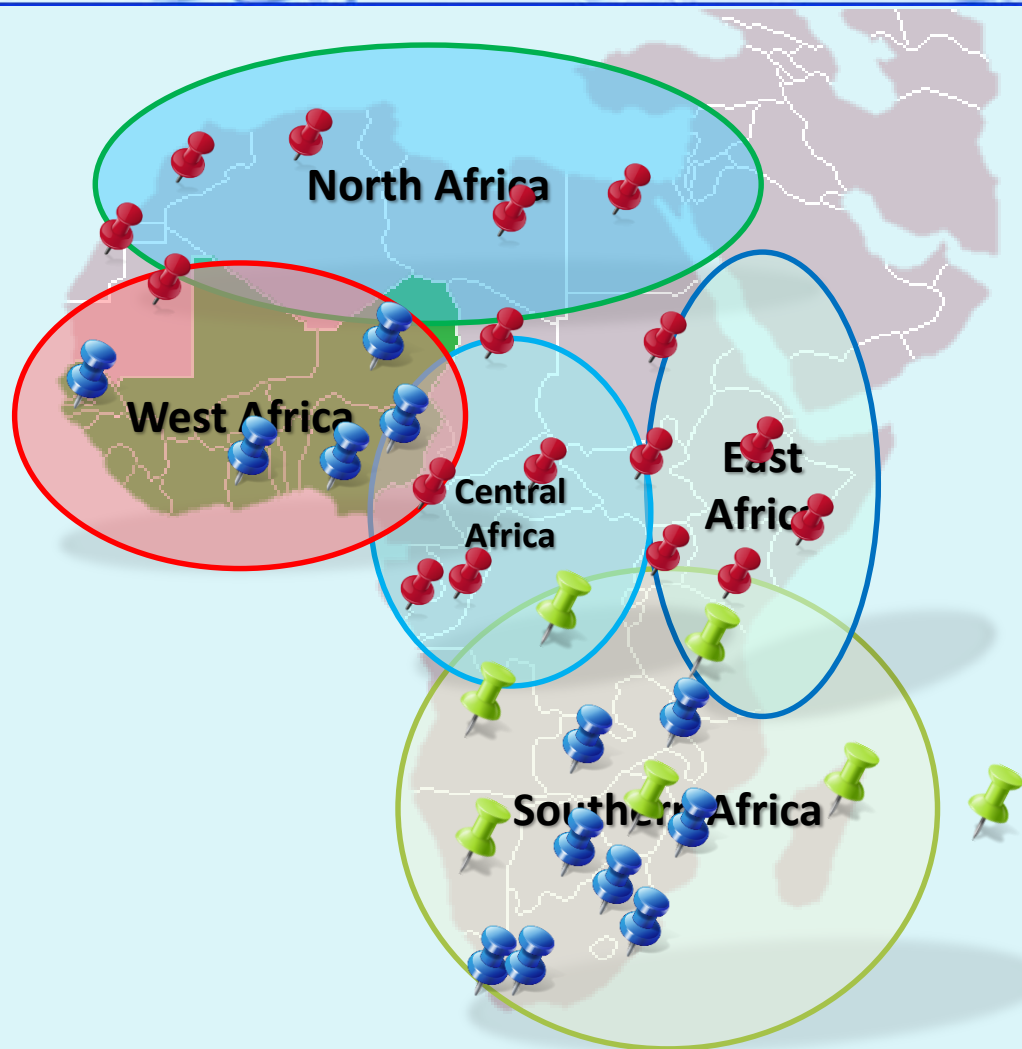
WARFSA-II
Water Research Fund for Southern Africa
- Horizon 2020
- Other funding partners but needs to be established and nurtured

Opportunities ...2

- Catalogue human and high level infrastructure - matrix
- Expand network to other countries
- Collaboration with other programmes
- Secretariat reporting to AMCOST ? Currently AU/NEPAD
- AMCOW M&E Project

EXPANDING THE NETWORKS

At least one institution per country



Existing CoE



In Process
CoE



Future CoE





The AU/NEPAD Networks of Water Centres of Excellence

YOUR KNOWLEDGE PARTNERS ACROSS AFRICA



THANK YOU

NEPAD NETWORKS OF WATER CENTRES OF EXCELLENCE

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Resources Institute,
Nigeria