



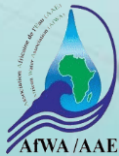
# afrialliance

Africa-EU Innovation Alliance for Water and Climate

David Smith

77<sup>th</sup> AfWA SCIENTIFIC AND TECHNICAL COUNCIL SESSION

17/06/2017, Accra, Ghana



akvo.org



WASCAL  
West African Science Service Center on  
Climate Change and Adapted Land Use

I.C.L.E.I  
Local  
Governments  
for Sustainability



Global Water  
Partnership

CSIR  
South Africa through science



UNIVERSITY OF TWENTE.

FACULTY OF GEO-INFORMATION SCIENCE AND EARTH OBSERVATION

# Water, Environment and Business for Development (WE&B)



**WE & B**

Water, Environment and  
Business for Development



# Projects



**WATERCLIMA LAC**  
Coastal Zones - Zonas Costeras



EuropeAid: **WaterClima LAC**. The project improves the dialogue and cooperation on watershed and coastal management in the context of climate change.

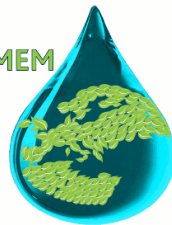


**West Africa Coastal Areas Management Program (WACA)**: Communication Action Plan and Factsheets on Climate Change impacts on coastal regions of West Africa



Europe (FP7): **Innovation & Demonstration for a Competitive and Innovative European Water Reuse Sector (DEMOWARE)**. Business Models and Pricing Strategies for Water Reuse in Europe

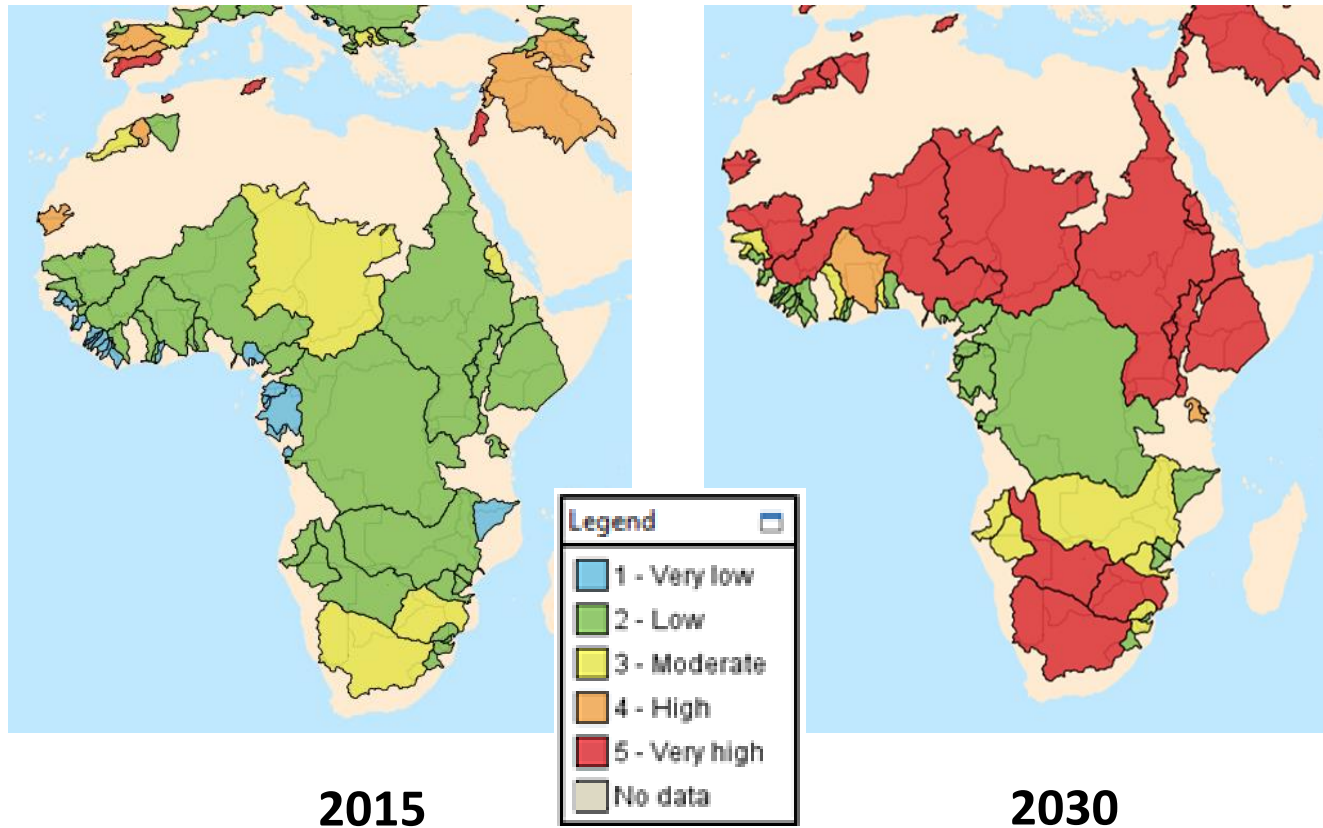
**BRAINMEM**



**LIFE+ BRAINMEM**: To reduce the energy consumption in wastewater treatment plants and minimize its environmental impact. Cost Benefit Analysis and Social Impact Analysis



# Environmental water stress



Source: Excerpt from the Transboundary Waters Assessment Programme - RIVER BASINS COMPONENT <http://twap-rivers.org/> last visited on 15 March 2015.

# Project Details

- 5 years: 2016-2021
- Funding by EU H2020, 3.2 million EUR
- 16 Partners from Africa and Europe



afrialliance

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# Preliminary gap analysis of existing networking associations

	AFRICA	AFRICA - EU	EU	GLOBAL
Industry	AfWA, AfriWater CoP, GWP (Africa)		EIP, WssTP, EEN, AquaEuropa, EUREAU, EIP Water Action Groups and Task Force	IWA, Water Alliance
SMEs			EIP, WssTP, EEN, EWP, EIP Water Action Groups and Task Force	Global Network of Water SMEs, Water Innovations Alliance Foundation, GWP
Authorities (local & regional)	ICLEI, ANBO, AMWIS, Africa Water and Sanitation Local Authorities Network, NBCBN	EU-Africa regions/RBOs/Cities	Netwerch20, ERRIN, ICLEI, Euro INBO	UCLG, GWP, INBO, ICLEI
Research & academia	Waternet, WASCAL, TIGER, AfriGEOSS, IWA (Africa), GWP (Africa), AMMA-NET, AWIS, AfriGEOSS, NEPAD Centres of Excellence, WACDEP, AMMA	EMWIS, Via Water	EIP, WssTP, EWRA, EURAQUA, EWA, Copernicus, EIP Water Action Groups and Task Force	IWA, GWRC, Water Innovations Alliance Foundation, GWP, Global Water Research and Innovation Agenda for Development, WHYCOS, TWAP, ACCESS, Cap-Net UNDP
Policy makers	AMCOW, ANBO	Africa-EU Partnership	IWAC, SFIC	UN WATER, GWP, UNECE, OECD WGI, Water JPI
Financers & donors	AfDB Water Facility, WRC	Africa-EU Partnership, EuropeAid, EU MS Dev. Agencies	EIB, H2020, EuropeAid, EUREKA (ACQUEAU)	GWP
Regulators			ENDWARE	RegNet
NGOs & CSOs	AfriWater CoP, AfWA, ANEW, CONIWAS, Friends of Rivers and Water Bodies, Green Network, WA-NET, ARID		European Water Movement, EWP	BothEnds, GEF-NGO Network, RWSN, Living Lakes Network, GWOPA, Global BoP Network, UNESCO-IHP

The main objective of AfriAlliance is for African and European stakeholders to **work together** in the areas of water and climate innovation, research, policy and capacity development in order to **enhance the preparedness of Africa and Europe** for climate change challenges.

# afrialliance Specific objectives

1. To promote and implement **enriched and strengthened coordination** within Africa and between Africa and the EU
2. To **identify vulnerabilities and raise awareness** about the impacts of Climate Change on Water Resources
3. To **facilitate knowledge sharing and technology transfer** in online and offline environments and events for African and EU stakeholders in water and climate
4. To **improve water resources monitoring and forecasting processes and tools** in Africa



# afrialliance Concept

- Serve as an '**alliance of networks**' by connecting existing African and European networks
- Demand-driven **Action Groups** – bottom-up solutions (**WE&B**)
- Create shared, demand-driven **short term innovation opportunities** and long-term **research agendas**
- Coordinate and connect (local) demand and supply through **knowledge sharing** and **technology transfer**
- Improve African "data capacity"
- Connect with **international audience**

# afrialliance Action Groups



## Integrated Water Resources Management and Ethics

An AfriAlliance Action Group  
No recipient countries specified

Rhodes University + 1 partner



## Upscaling Potential of Water Harvesting across Africa

An AfriAlliance Action Group  
No recipient countries specified

Wageningen University + 1 partner



## Sustainable Intensification for Resilience And Food Security (SIRAF)

An AfriAlliance Action Group  
to support smallholders in Ghana, Malawi (a  
Burkina I

IIED + 1 partner



## Arid African Alluvial Aquifers for Agriculture

An AfriAlliance Action Group  
No recipient countries specified

Mekelle University + 6 partners



## Efficient and Innovative Small Scale Irrigation (EISSI)

An AfriAlliance Action Group for assessing, prioritizing and advocating efficient and innovative small scale irrigation technologies for African smallholders  
No recipient countries specified

EIWR + 4 partners

# Stakeholder Mapping



# afrialliance Events

1st Innovation Bridge Event, WaterNet Symposium, 26-26 October 2016, Botswana



Inaugural Launch Conference, 22-24 March 2017, LoCS4Africa Water & Climate congress, SA



# PROJECT IMPACTS

## IMPACTS

Increased Preparedness of Africa for Future Climate Change Challenges

**Minimised Fragmentation of Knowledge**

**Implementation of Demand-Driven Research and Social Innovation**

**Improved Monitoring and Forecasting Tools for Water and Climate**

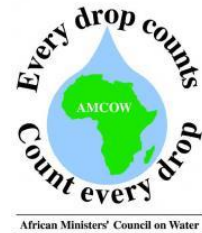
**Enhanced Knowledge Sharing and Technology Transfer**

# afrialliance

# Partners



# Advisory Board



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WORKSHOP



**TOMORROW at 10:30**

*Mapping the water-related needs and priority areas of water organisations arising from Climate Change*

PLEASE COME AND SHARE YOUR OPINION AND EXPERIENCE  
TO SHAPE AFRIALLIANCE AND TO IMPACT ON WATER AND  
CLIMATE CHALLENGES



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INTERVIEWS



***KNOWLEDGE FRAGMENTATION AND IDENTIFICATION OF THE DRIVERS AND BARRIERS FOR KNOWLEDGE EXCHANGE***

***PLEASE COME AND SHARE YOUR OPINION AND EXPERIENCE TO SHAPE AFRIALLIANCE AND TO IMPACT ON WATER AND CLIMATE CHALLENGES***

# Thank you



more information



[www.afrialliance.org](http://www.afrialliance.org)



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