



afrialliance

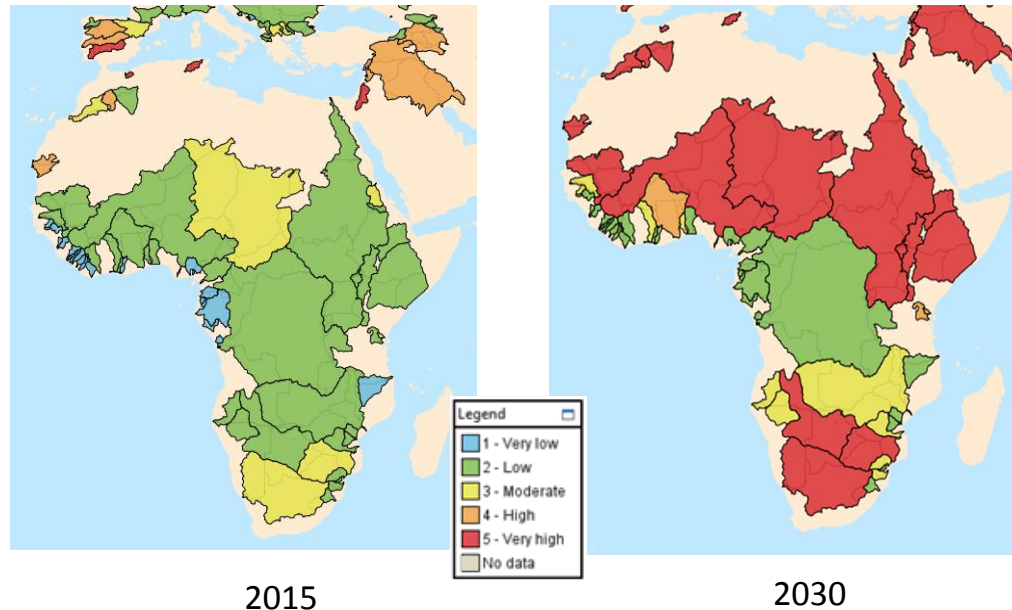
Africa-EU Innovation Alliance for Water and Climate

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ACEWATER Workshop 31Oct-4 Nov 2016

Accra, Ghana

Environmental water stress



Source: Excerpt from the Transboundary Waters Assessment Programme - RIVER BASINS COMPONENT <http://twap-rivers.org/> last visited on 15 March 2015. Environmental water stress is expected to increase due to climate change (especially in drier regions and where snowmelt plays a crucial role) and increasing water consumption. Very high and high risk basins/BCUs in 2030 are dominated by areas of high population, high water demand, and/or low water availability or some combination of these, while medium and low risk basins are characterized by lower population, higher water abundance and/or lower levels of industrial development to impact the water resources. The highest risk basins in 2030 continue to be located mainly in water-scarce regions.

Preliminary gap analysis of existing networking associations

	Africa	Africa-EU	EU Wide	Global
Industry	AfWA, AfriWater CoP, GWP (Africa)	EU-Africa regions/cities/RBOs	EIP, WssTP, EEN, AquaEuropa, EUREAU	IWA, Water Alliance
SMEs			EIP, WssTP, EEN	Global Network of Water SMEs, Water Innovations Alliance Foundation, GWP
Regions, RBOs and Cities	ICLEI, ANBO, AMWIS, Africa Water and Sanitation local authorities network		Netwerch20, ERRIN, ICLEI, Euro INBO	UCLG, GWP, INBO, ICLEI
Basic and applied Research	Waternet, Cap-Net UNDP, WASCAL, TIGER, AfriGEOSS, IWA (Africa), GWP (Africa), AMMA-NET		EIP, WssTP, EWRA, EURAQUA, SFIC, EWA	IWA, GWRC, Water Innovations Alliance Foundation, GWP
Policy Makers	AMCOW, ANBO	Africa-EU Partnership	IWAC, OECD WGI	UN WATER, GWP, UNECE, OECD WGI
Financers	AfDB Water Facility, WRC	Africa-EU Partnership, EuropeAid, EU MS dev. Agencies	EIB, H2020, EuropeAid, EUREKA (ACQUEAU)	GWP
Regulators			ENDWARE	RegNet
Non-profit and Civil Society Organisations	AfriWater CoP, Cap-Net UNDP, 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

afrialliance main objective

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** for climate change challenges.

afrialliance project details

- 5-year project: 2016-2021
- Funding by EU H2020, 3.2 million EUR
- Project coordinator:

UNESCO-IHE

Dr. Uta Wehn,

Associate Professor of Water

Innovation Studies



afrialliance partners



UNESCO-IHE
Institute for Water Education



UNIVERSITY OF TWENTE.

ITC FACULTY OF GEO-INFORMATION SCIENCE AND EARTH OBSERVATION



*Office
International
de l'Eau*



WE & B
Water, Environment and
Business for Development



**WATER
RESEARCH
COMMISSION**

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



WATERnet
Building Capacity for Water Resources Management in Southern Africa

WASCAL

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

CSIR

our future through science

Both ENDS
Connecting people for change



The European Water Platform

akvo.org



**Global Water
Partnership**



afrialliance Advisory Board



Mohamed El Azizi



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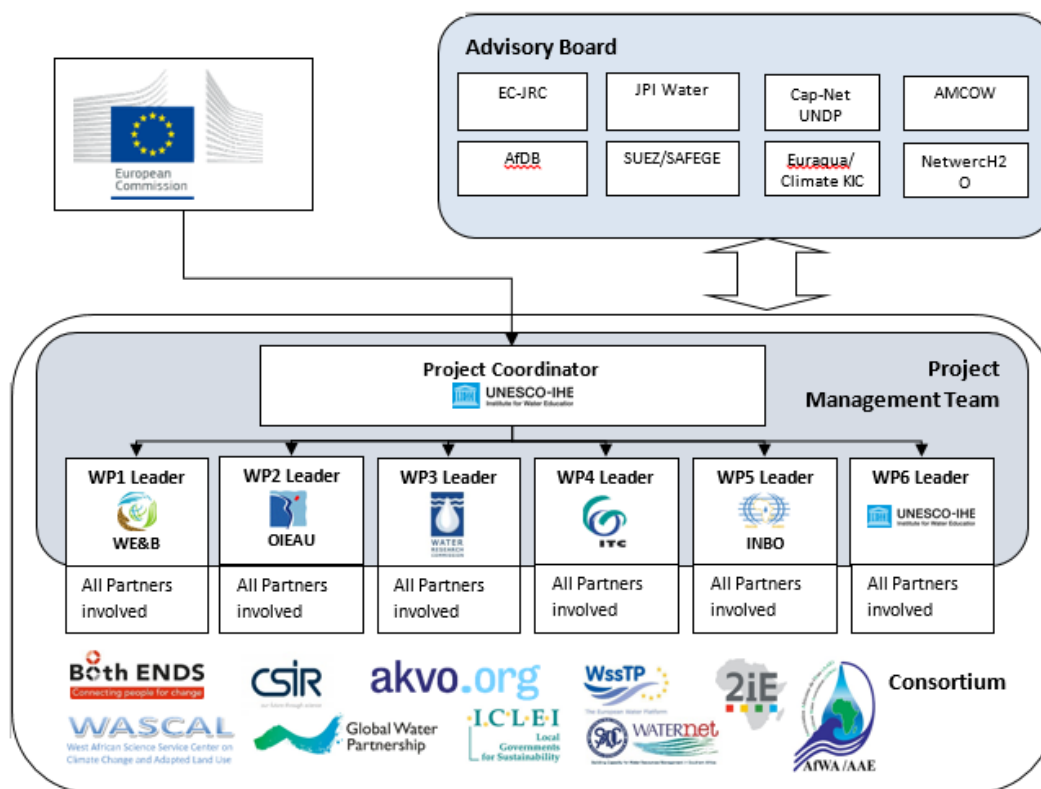


Kees Leendertse



Catherine Chevauche

Project management structure



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
- 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 activities



5 AfriAlliance Action Groups (1/2)

Name	Lead	Contributors
Upscaling potential of water harvesting across Africa	Wageningen University	University of Leeds, International Water Management Institute, National Institute of Agriculture Research and Development (INIDA), Mekelle University, Great Green Wall Initiative, Institut des Régions Arides, Hamburg University of Applied Sciences, Newcastle University, Sokoine University of Agriculture, Centre for Environment and Development, University of Bern
Integrated Water Resource Management and Ethics	Rhodes University	Wageningen University, Université Moulay-Ismaïl, University of Botswana, ICATALIST Consultancy Group and University of Leeds

5 AfriAlliance Action Groups (2/2)

Name	Lead	Contributors
Efficient and Innovative Small Scale Irrigation	Ethiopian Institute of Water Resources (EIWR)	Addis Ababa University, Rwanda Agriculture Board, Sokoine University of Agriculture (Tanzania), Meta Meta Research (the Netherlands)
A4A (Arid African Alluvial Aquifers for Agriculture)	Mekelle University	South Eastern Kenya University, Dabane Trust, Oxfam Mozambique, University of Energy and Natural Resources , UNESCO-IHE
SIRAF (Sustainable Intensification for Resilience and Food Security)	International Institute for Environment and Development (IIED)	ANSD (Association Nourrir sans Détruire), INERA (Institut de l'environnement et de recherches agricoles), LUANAR (Lilongwe University of Agriculture & Natural Resources), Total Land Care, UDS (University for Development Studies)

afrialliance impacts

Impacts

Increased preparedness of Africa for future Climate Change challenges

Minimised fragmentation

- **Well-connected broader water sector community** in Africa, with the EU and relevant other international actors
- **Evidence-based strategic advice and recommendations** for improving innovation/development aid in Africa

Demand-driven

Research & Social Innovation

- **Identified short term R&I opportunities** for implementation
- **Shared long term R&I Agenda** to prepare for Climate Change challenges
- **Small-scale solutions to key challenges**

Improved M&F tools for water & climate

- **Scalable blueprint** for triple-sensor approach
- **Online interactive inventory** of water resources M&F efforts in Africa
- **Plan to improve M&F mechanisms** (tools and institutional set up)

Enhanced Knowledge Sharing and Technology Transfer

- **Structural communications** between stakeholders and networks at all scales
- **Effective, demand-driven and problem-focused** knowledge sharing

more information



www.afrialliance.org



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thank you



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