



afrialliance

Africa-EU Innovation Alliance for Water and Climate

Dr Eric Tardieu, DG OIEau, AfriAlliance partner

19th Afwa International Congress, 11-16 February 2018, Bamako

Side Event: Wednesday 14 February, 10h30-12h00, room 7

**Get involved in the Africa-EU innovation alliance for
Water and Climate: share your expertise
on the first list of innovation needs**

Objectives of the Side Event

- Present AfriAlliance
- Exchange and collect comments, additional content to improve AfriAlliance list of needs dealing with water and climate change
- Get you interested and involved in the forthcoming activities of AfriAlliance

Side event agenda

- 1) Presentation of AfriAlliance
- 2) Presentation of AfriAlliance first list of needs
- 3) Time to exchange
- 4) What's next?

Why afrialliance ?

To address

Environment water stress

Challenges of the Adaptation to climate change related to water

Difficulties to access existing knowledge despite the numerous networks and stakeholders involved in Africa and Europe

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:

IHE Delft

Dr. Uta Wehn,

Associate Professor of Water

Innovation Studies



afrialliance partners



afrialliance Advisory Board



Oswald Chanda



Canisius Kanangire



Dominique Darmendrail



Richard Elelman



Cesar Carmona-Moreno



Michiel Blind



Kees Leendertse



Capucine Beunes Devauze

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



**Fostering
demand-driven
Action Groups**



**Triple
sensor
monitoring &
forecasting**



**Online
platform for
knowledge
sharing**



**Matching
short-term
social
innovations &
needs**



**Bridge
events &
innovation
roadshows**



**Identifying
long-term
R&I agenda**

How were the needs identified ?

- **Workshops**

- Workshop 1, Gaborone, 27 Oct 2016
- Workshop 2 (COP 22), Marrakesh, Morocco, Nov 2016
- Workshop 3, Entebbe, April 2017
- Workshop 4 – Ghana, July 2017

- **Semi-structured Interviews**

(Researchers, NGOs, Ministries, Commission of Basin Organization, Water Utilities...)

- **AfriAlliance Action Groups activities**

- **Desk (policy) analysis**

How did we organise the needs?

- One key of reading: By type of organization

RBOs River Basin Organizations

CSOs Civil Society Organizations

WUs Water Utilities

A&R Academia & Research Organizations

- New organization: by families of needs

- * same need expressed by different types of organizations
- * initial need collected gathered in fact several needs

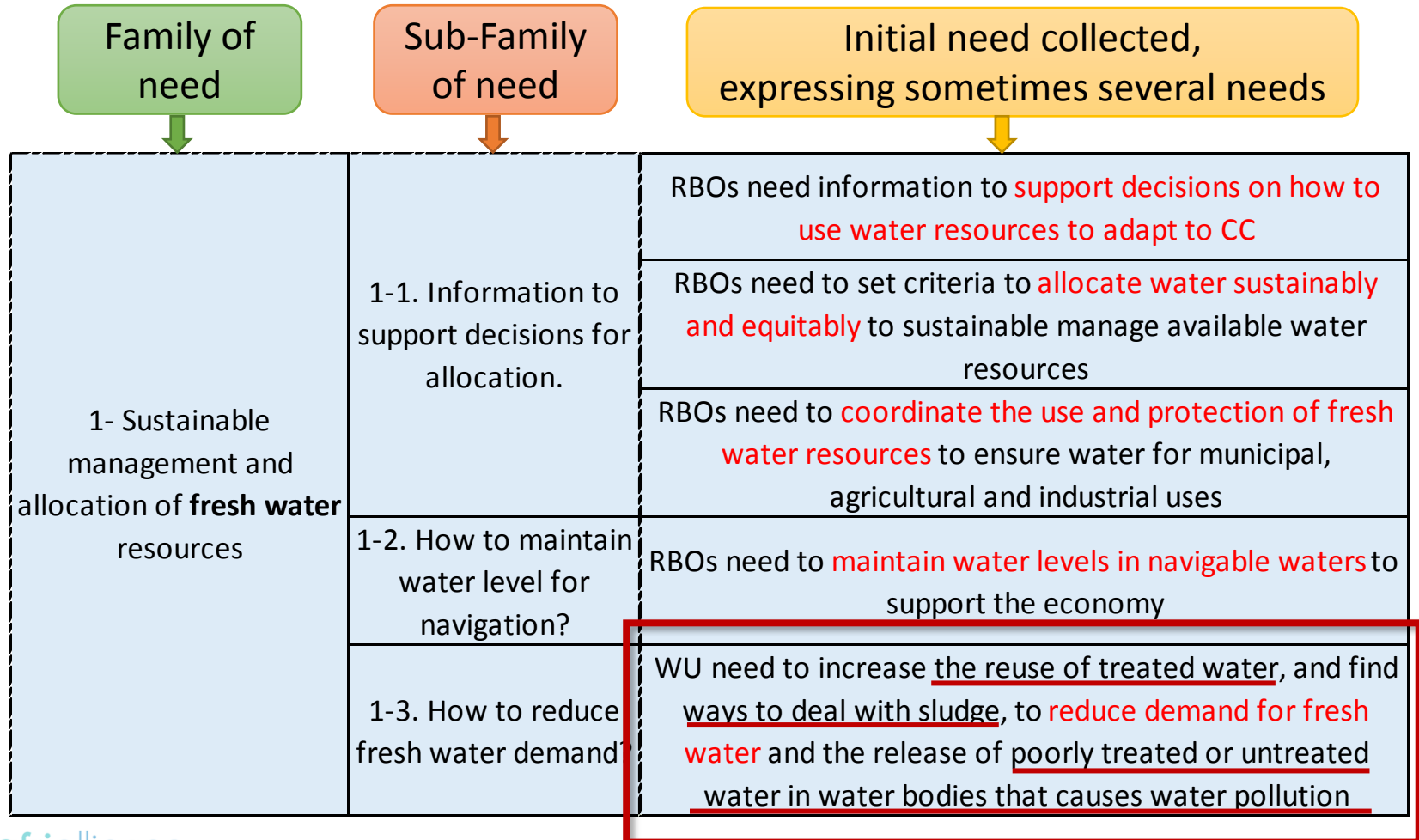
- Needs grouped:

1-by families

2- by sub-families (if relevant)

How did we organise the needs?

- Example to illustrate the current list



Out of the list

We propose to discuss the first 6 family needs

According to your organization's point of view:

- What is missing in terms of needs?
- What would you add / complete?

- 1- Sustainable management and allocation of fresh water resources**
- 2- Sustainable management of groundwaters**
- 3- New ways to find or produce water resources**
- 4- Supply enough Drinking Water of good quality to protect population health**
- 5- Re-use of treated wastewater as new water resource**
- 6- Management of wastewater sludges.**
- 7- Assessment, control and reduction of water-borne diseases
- 8- Raise awareness, communicate and train all the stakeholders about the challenges linked to water under CC
- 9- Prevent, control and reduce water pollution
- 10- Use of Environmental Impact Assessments (EIA) to understand and mitigate impacts of human activities on water resources.
- 11- Protection, management and restoration of wildlife and ecosystems for increasing biodiversity and ensuring the production of ecosystem services in order to help mitigate CC impacts.
- 12- Increase knowledge on invasive species to help control them
- 13- Include CC in water policy to support IWRM
- 14- Create partnerships and financial insights to support IWRM and CC-related activities
- 15- Monitoring water quality and quantity
- 16- Analyse and share weather and water monitoring data to forecast and prioritize actions
- 17- Build water utilities able to resist to floods
- 18- Increase aquaculture productivity, sustainability and resilience to CC
- 19- Increase agriculture productivity and resilience to CC, while mitigating its impacts
- 20- Restoration and protection of soils.
- 21- Use sustainable sources of energy (renewable instead of fossil ones) to supply water
- 22- Ensure supply of affordable and reliable electricity in urban and rural areas.

4) What's next?



From today side event

The list of needs will be adapted at the light of your comments and news needs

The list of need will be circulated to gather further inputs

Solutions identification phase

Now the list is almost finalized, the search for solution is starting. Get involved and share your solutions. Contact: n.amorsi@oieau.fr / s.siauve@oieau.fr

Launch of the second set of Action Groups

If you are interested in creating a group of action, the next call will be launched this spring, all the details on : www.afrialliance.org

more information

 www.afrialliance.org

 afrialliance@un-ihe.org



thank you



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