

Cancun, World Water Congress, May 30th, 2017

With the
support of



Agenda and on-going projects of GAWaC Incubation Platform

Eric TARDIEU

**International Network of
Basin Organizations**

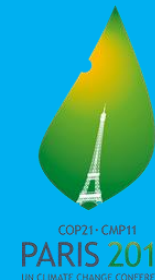


« Water and climate », a 2 COPs story

With the
support of



COP21 Paris Pact



COP22 GAWC : Global Alliances for Water and Climate



Water and climate **action plan**

- With the support of the French Min. of Envir./Foreign Affairs
- Governance of the Alliances
- Implementation of a set of projects/actions
- Launch of an Incubation Platform



Paris Pact « Water and climate projects » need a specific tool

- **Water is the first victim of climate change**
 - « Water for Africa » Declaration (http://www.riob.org/IMG/pdf/The_Rabat_Call_-_Water_for_Africa.pdf)
 - Water ranked first adaptation priority in 93% of NDCs
- **Gap between donors and project holders**
 - Lack of good and fundable projects
 - Complexity of water and climate finance
 - Lack of local capacity for project design
- **Necessity to complement country approach with basin approach**
 - Obvious in the case of transboundary basins
 - Specific issue for water related adaptation projects
- **Lack of « interest » from donors towards micro or small projects ?**
 - Knowledge and monitoring networks ; Capacity building
 - Technical training facilities (training centers, training platforms)
 - The need for « grant » funding

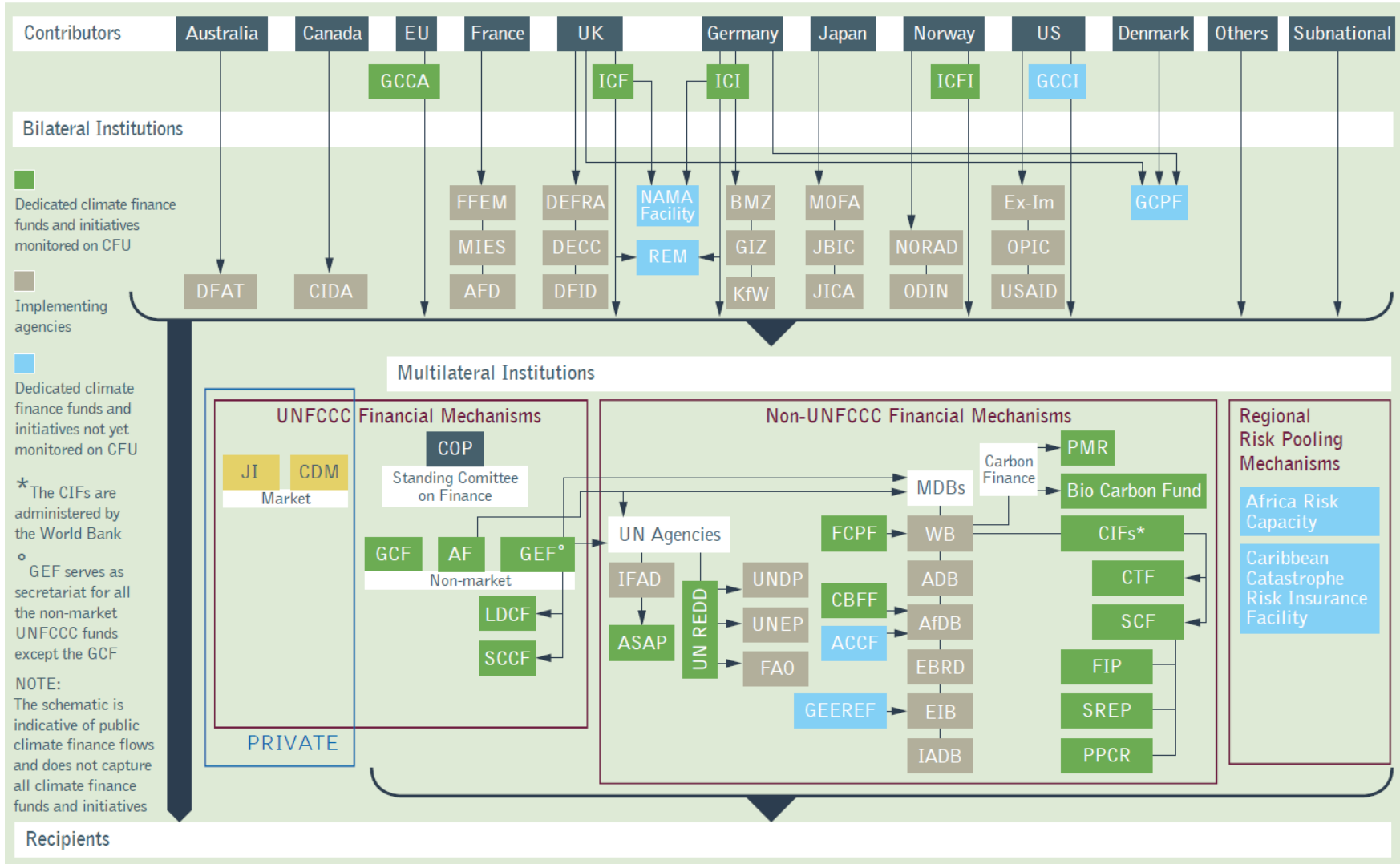


➤ **Towards a Global Alliance for Water and Climate's Incubation Platform :**



Gap between donors and project holders : Global climate finance architecture

With the
support of



Source : World Bank



Global Alliance for Water and Climate's Incubation Platform

Candidate ideas

???

- On line with Paris Pact and GAWC commitment and focus areas !
- Addressing current and expected effects of climate change on water
- Vulnerability assessment of the water and climate context



Fundable projects

???

- On line with donors requirements !
- On line with NDC and national climate policies !
- Qualitative and adaptative approach
- Pilot and innovative approach
- Impact on the people

Objective :
More and better projects, with a focus on basin scale projects, including transboundary basins projects

Leverage 1 to 100



Key projects for GAWCIP

Paris Pact Priorities



**Reinforce
capacity
development
and knowledge**

**Adapt basin
management
planning**

**Reinforce
governance**

**Ensure
adequate
financing**



Key investments/projects : Enabling knowledge and soft infrastructures

- Monitoring networks
- Water Information Systems
Exchange platforms between research and decision making
- Data interpretation capacities ; policy responses
- Impact and vulnerability assessment ; adaptation strategies
- Floods and droughts risk management ; Performance indicators
- Water demand control for agricultural, industrial and municipal uses
- Water-related ecosystems services (Natural Water Retention Measures)
- Individual capacities of BO staff (training)
- Institutional capacities (sharing experiences)
- Integration with related sectors ; Stakeholders participation
- Sustainable financial mechanisms ; PPP ; Polluter/consumer pays principles
- Investment programs ; PPP
- Cost-effectiveness analysis
- Financial support by donors



GAWCIP process and deliverables

Assessment



Technical, financial, legal « first level » assessment
Experts pool
Project feasibility and context readiness assessment

Concept development



Technical, financial and legal investigations
Link with potential donors and financial institutions
Predialogue between basin and national levels
Basin level assistance in project endorsement

Draft project description for funding



Draft redaction of application forms
Interaction with potential donors for project acceptable presentation

Recommandations for follow-up



Methodology/next steps to be followed
Global promotion of projects



GAWCIP triple added value

- **Project detection**
 - Possibility to focus on basin (transboundary) organizations
 - Complementary to classical country approach
 - Ideally to be coordinated on a multidonors common pool
- **Project development and acceleration**
 - Technical assistance and expertise
 - Lessons learned and best practices exchanges
 - Permanent compliance verification with donors requirements
- **Program animation**
 - Providing basin organizations network effects
 - Demultiplying capacity for projects quantity and quality
 - Capitalization



GAWCIP implementation agenda

- **Phase 1 : GAWCIP proof of concept**

- Selection of pilot projects (basins, cities, companies)
- Inventory of existing « readiness » facilities
- Technical assistance for 4/5 candidate projects, by GAWC partners
- First level of involvement of at least 2 different financial institutions
- Coordination: INBO
- Duration : 1 year (2017)
- Cost : 400 k€ (confirmed support from the French Ministry of Environment)

- **Phase 2 : GAWCIP deployment (to be discussed with donors)**

- Global scale
- Enlarged partnership, both for technical expertise and financing structures
- Technical assistance for 10 candidate projects/year
- Duration : 3 years (2018-2020)
- Cost estimation : 1.5 M€



Phase 1 : 2017

With the
support of



Detection/analysis of projects

Incubation of selected projects
Developping links with donors
Interfacing project holders/donors



COP23
Roundtable
with donors



Current portfolio of projects

With the
support of



National Water Information System
Development Plan

Fes city wastewater treatment plant
improvement plan for urban and industrial
wastewater

Project preparation of Diama dam basin's
monitoring system for natural resources and
adaptation measures

Sava river Basin Climate adaptation plan

Capacity Building for the Rehabilitation of the
Zarqa River Project

BAFWAC : Web-Based Peer Learning and
Collective Action Platform



1. National Water Information System in Burkina Faso (1/2)

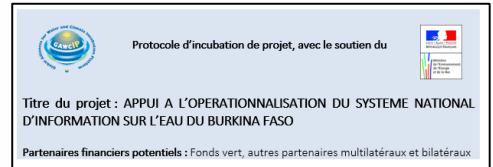
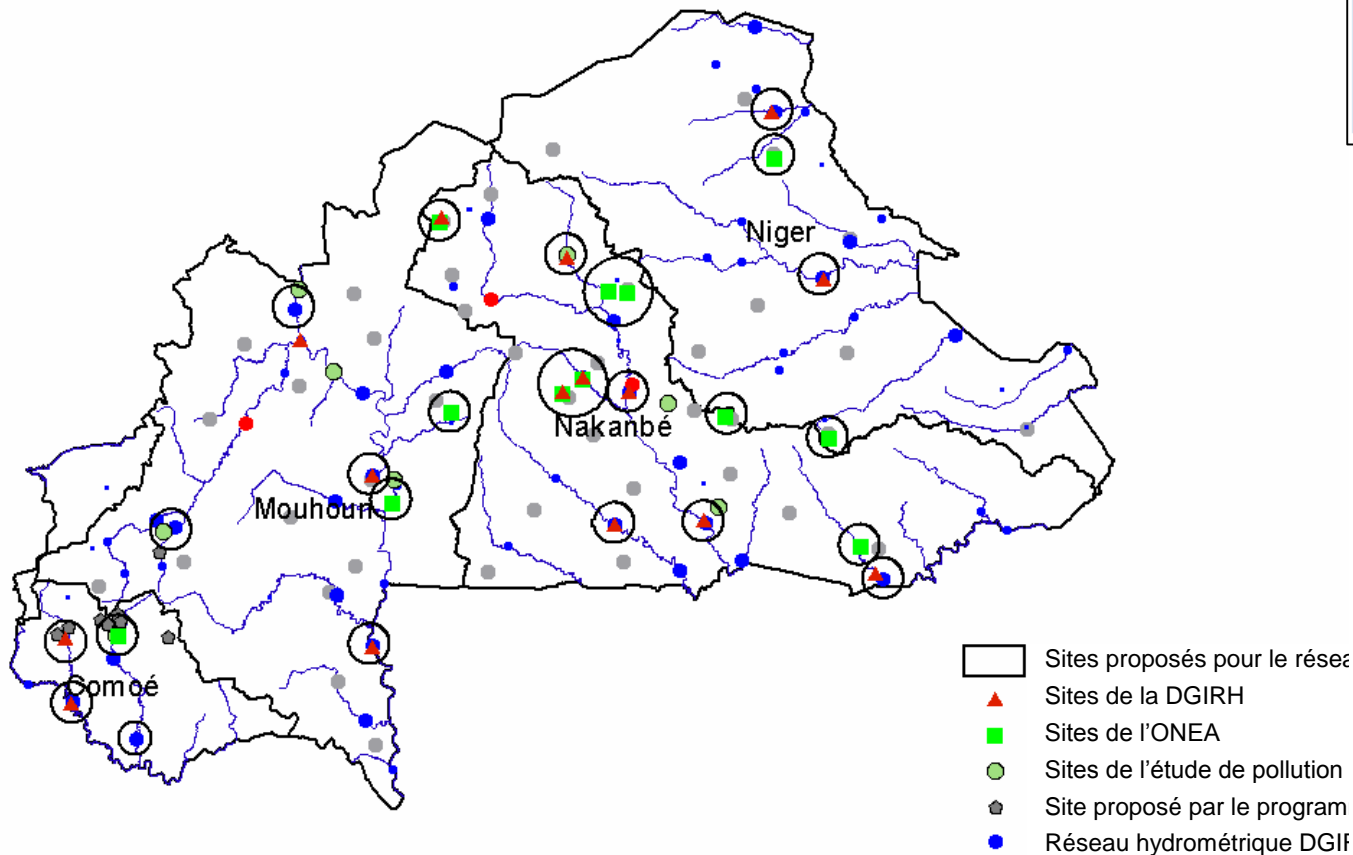
Location	Burkina Faso, national level
Title	Support to the operationalisation of the national Water information system (SNIEau) for the management and valorisation of the available data needed for CC adaptation
Topics	<ul style="list-style-type: none"> • Update of data flow exchange procedures • Technical audit of existing SNIEau Database and solutions • Support for elaboration of SNIEau operationalization plan • Capacity building for data management and valorization
Leaders	DGRE/DEIE, SP / GIRE
Incubator Services / Deliverables	<ul style="list-style-type: none"> • Data flow schemes • SNIEau Database technical audit • Preparation of SNIEau operationalization plan



1. National Water Information System in Burkina Faso (2/2)

Réseau de suivi de la qualité de l'eau de surface

Sites existants et nouveaux sites proposés



Inception mission in Ouagadougou (May 2017) :

- 2 Workshops with Burkina related public actors
- Working sessions with experts from different services
- Recrutement of local expert



2. Reduction of Industrial pollution in the city of Fez (1/3)

Detection	IOWater/ Hydraulic Basin Agency of Sebou
Location	Kingdom of Morocco, City of Fez
Title	Investment plan for the reinforcement of the efficiency of Fes urban and industrial wastewater treatment for a better resilience to climate change
Context	<ul style="list-style-type: none"> • Sebou basin : 6 % of the country's surface but 28% of the national pollution (86% discharged in rivers). Fez represents 40% of the basin's pollution. • Strong impact of the Industrial sector (from 50% to 65% of national production for olive oil, sugar and paper) but very few Industries connected to the sewer network or which have a treatment system • The connected Industries imply the malfunctioning of the Treatment plant and the discharge of pollution into Sebou river, and generate important quantities of sludge which increase the risk of pollution
Objectives	<ul style="list-style-type: none"> • To improve the technical solutions for the treatment of Industrial waste water • To strengthen the institutional framework so as to facilitate the connection of Industries to the sewer network and their investments in treatment systems • To improve the treatment and disposal of sludge to reduce the pollution risk

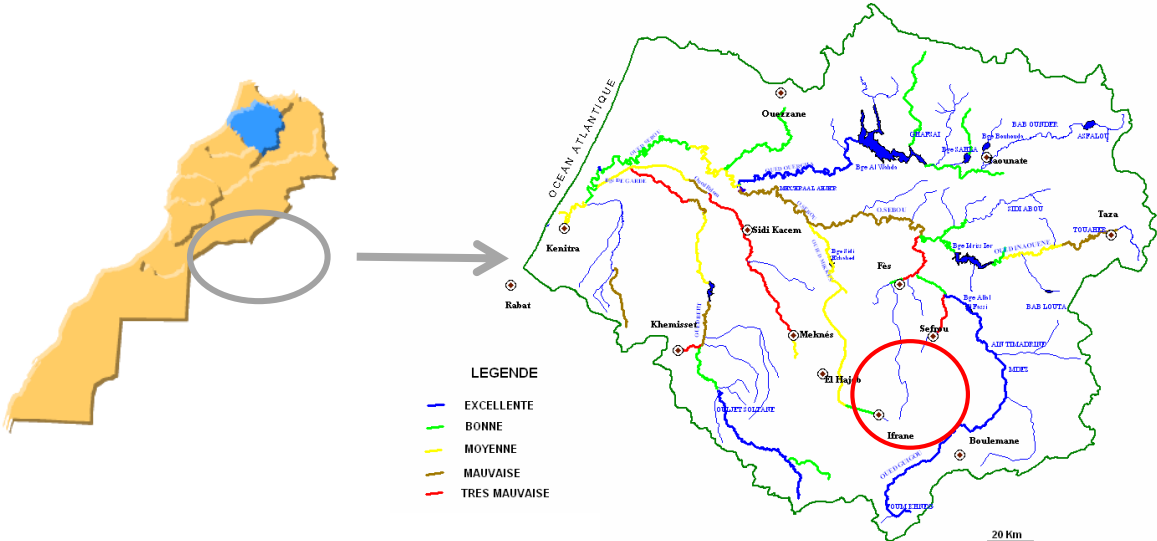
2. Reduction of Industrial pollution in the city of Fez (2/3)

<p>Incubator Services & Deliverables</p>	<ul style="list-style-type: none"> • Definition of concrete technical improvements for the pretreatment of industrial wastewaters (processes, required budget) and for the WWTP (wastewater treatment, sludge treatment and reuse) • Proposition of an appropriate institutional and technical organization, including the setup of “polluter-payer” taxes and subsidies for the investment in treatment solutions, and a better coordination between the main stakeholders
<p>Status</p>	<ul style="list-style-type: none"> • Signature of the agreement for the incubation process with the relevant representatives • Inception mission mid-May to meet the potential stakeholders and evaluate the short-term feasibility of the project • First meetings with the main stakeholders • Definition of a global Action Plan • Documents gathering and bibliographical analysis • Finalization of the Terms of Reference • Organization of an upcoming seminary with the Industrial sector representatives

2. Reduction of Industrial pollution in the city of Fez (3/3)

Leaders & partners

Sebou Hydraulic Basin Agency – RADEEF (Sanitation Service of Fez) – Fez Municipality



3. Diama dam monitoring system (1/2)

Location	Senegal River delta – Senegal and Mauritania
Title	Project preparation of Diama dam's monitoring system for natural resources and adaptation measures
Leader	Société de Gestion et d'Exploitation du Barrage de Diama / OMVS
Topics	<ul style="list-style-type: none"> • The Diama (anti-salt dam) built in 1988 is managed by SOGED • Diagnosis of the existing monitoring systems (water quantity /quality, wetlands, vegetation, invasive species, sediments, lagune...) • Definition of a new business model for monitoring sustainability • Consolidation of hydrological and environmental monitoring systems, including innovative solutions (Earth observation satellites) • Strengthening the capacity to better ensure the monitoring
Incubator Services / Deliverables	<ul style="list-style-type: none"> • Technical and financial assessment of the monitoring systems • Proposal for new business model • Monitoring system Development Plan • Capacity building plan

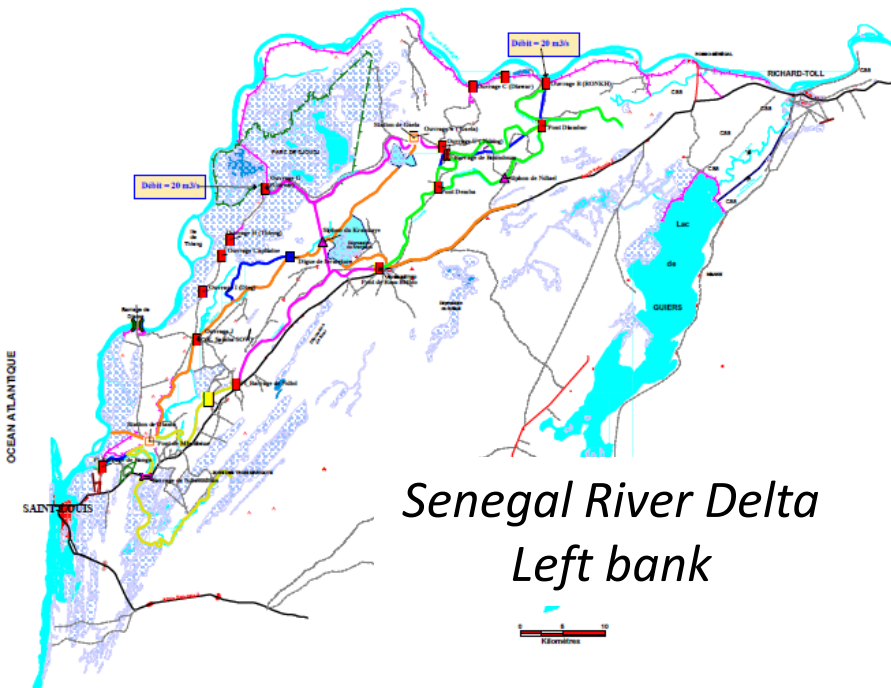
3. Diama dam monitoring system (2/2)



Request letter from SOGED in February 2017

Inception mission (2 IOWater experts) in May 2017 :

- OMVS / Dakar
- Visit of Diama dam and ancillary works (embankments)
- Working sessions at SOGED (Nouakchott)
- Recrutement of local expert



*Incubation Protocol signing.
Nouakchott, 23 May 2017*

4. Climate Adaptation Plan in the Sava River Basin (1/3)

Detection	UNECE Water Convention Secretariat
Location	Sava river Basin, ie Bosnia and Herzegovina, Serbia, Croatia, Slovenia
Title	Outline of the Climate Adaptation Strategy and basin-wide priority measures for the Sava River Basin
Context	<p>Although the previous projects addressed the issues of CC and adaptation, many gaps do still exist, given that :</p> <p>Number of sectors have not been addressed in the CC context (forestry, fishery, aquaculture, spatial and urban planning, infrastructure development, tourism, health)</p>
Objectives	<ul style="list-style-type: none"> • to develop an outline of the climate change adaptation strategy for the transboundary Sava River Basin in consistence with the ICPDR's regional adaptation strategy, and identify some priority basin-wide measures for adaptation to climate change, building on documents and studies available at national and regional levels. • to suggest modalities and cost estimates for the full development of the strategy and of its action plan, and possibly for a pilot priority measure

4. Climate Adaptation Plan in the Sava River Basin (2/3)

<p>Incubator Services & Deliverables</p>	<ul style="list-style-type: none"> • The annotated outline of the Sava transboundary adaptation strategy (max. 15 pages, comprising priority fields of action, underlying principles, synergies and major indicators), including proposal of some possible priority adaptation measures to be incorporated into the Sava RBMP; • The terms of reference for the full development of the strategy and its action plan, including its cost estimation in the purpose to facilitate international funds raising.
<p>Status</p>	<ul style="list-style-type: none"> • Project proposal and budget shared with the partners • Draft of the terms of reference for national consultants experts' assignment • Subcontract agreement to be signed with the stakeholders. • A kick-off meeting to be launched in the next weeks

4. Climate Adaptation Plan in the Sava River Basin (3/3)

Leaders &
partners

United Nations Economic Commission for Europe – UNECE
The International Sava River Basin Commission Secretariat - ISRBC



5. Capacity building for the rehabilitation of the Zarqa River Project (1/3)



Detection	IOWater/ EuroMed Cities Network/ EMWIS-SEMIDE Euro-Mediterranean Information System on know-how in the Water sector
Location	Jordan, City of Zarqa
Title	“Capacity Building for the Rehabilitation of the Zarqa River Project”
Context	<ul style="list-style-type: none">• The 3rd largest river in Jordan, flows through 5 governorates• The most densely populated area in Jordan (65% of the country's population and more than 85% of its industrial and economical activities)
Objectives	<ul style="list-style-type: none">• Strengthen the national institutional capacities in the river basins rehabilitation and integrated water resources management• Raise the awareness of end – users towards more sustainable approaches to the management of natural resources



5. Capacity building for the rehabilitation of the Zarqa River Project (2/3)



Incubator Services & Deliverables	<ul style="list-style-type: none">• an assessment of the institutional organization, the environmental situation of the Zarqa River (in terms of water resources, pollution and pressures) and the stakeholder's context• An outline for the future development of the Zarqa pilot strategic plan to adapt to climate change and the support for the draft of a charter (protection and rehabilitation of Zarqa River)
Status	<ul style="list-style-type: none">• Current dialogues and discussions with partners to specify the scope, terms, steps and conditions• Project proposal and budget shared with the partners• A forthcoming exploratory mission in early June to meet the potential stakeholders and evaluate the short-term feasibility of the project

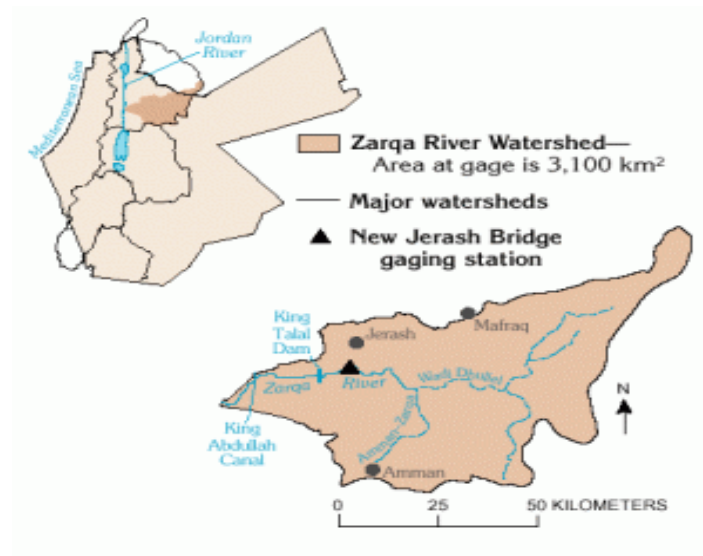


5. Capacity building for the rehabilitation of the Zarqa River Project (3/3)



Leaders & partners

Ministry of Environment - Ministry of Water and Irrigation – Zarqa Municipality – IUCN – Swiss Agency for Development and Cooperation



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development and Cooperation SDC



6. Web-based peer learning and collective action platform



Detection	BAFWAC
Location	Worldwide
Title	Web-based peer learning and collective action platform
Context	<p>BAFWAC wishes to develop its best practice sharing/peer learning mechanism, focusing on : Climate resilient agricultural supply chains, Circular water management, Natural infrastructure (including hybrid green/grey solutions) Action-oriented engagement platform, connecting companies with collective action opportunities at the basin level through partnerships with external organizations</p>
Objectives	<ul style="list-style-type: none">• Compile and catalogue examples of water-climate-nexus best practices in key geographies from BAFWAC signatories• Develop a set of recommendations of best practices and fundable projects around water and climate to help guide donors to where additional investments are needed• Modify and scale existing best practice training tools• Organize capacity building training workshops

THANK YOU FOR YOUR ATTENTION !

Paris Pact on water and adaptation to climate change in the basins of rivers, lakes and aquifers

At the twenty-first Conference of the Parties to the United Nations Framework Convention on Climate Change (COP21 / CMP11) organized from 30 November to 11 December 2015 in Paris, **Ww**, representatives of governments, international organizations, donors, national and transboundary basin organizations of rivers, lakes or aquifers, local authorities, of the civil society and companies, support the integration of Water into the Climate Change Action Agenda, especially for initiating or strengthening necessary adaptation actions in the basins of rivers, lakes, aquifers and large wetlands.

GENERAL STATEMENT

Climate change is already affecting the basins of rivers, lakes and aquifers. The impacts are increasingly visible, such as floods and droughts, the increase in sea level, which threatens the economic and social development and the environment.

We recognize that adaptation actions should be undertaken without delay to minimize the impacts of climate change on the populations' health and safety, on economic development and the environment, considering the importance of the protection of water-related ecosystems.

The basins are natural areas where water flows on the surface and in the subsoil: they are the relevant territories for organizing water resources management.

In order to ensure more effectiveness, these actions to adapt to climate change should thus be implemented at the level of river, lake and aquifer basins, through a joint, participative, integrated and sustainable water resources management.

We should act quickly before it is too late!

To that end, mobilizing new and increasing funding dedicated to climate change adaptation in basins is essential. We call on new basin organizations and existing ones to strengthen and exchange with each other, to improve coordination and prevention in the basins, to enhance the implementation of adaptation measures and the sharing of experiences.

We encourage donors to support prior assessments and actions for adaptation to climate change in basins.

Local authorities and communities, economic sectors and the civil society should be better associated and involved in basin management, including in the definition and implementation of adaptation measures.

Cooperation and exchange should increase between the institutions involved, especially among the basin organizations at the global and regional levels in order to facilitate the transfer of experience and know-how on best practices in basin management and adaptation to climate change.



Still time to sign in !

e.tardieu@riob.org

www.inbo-news.org

www.iowater.org



International
Office
for Water

