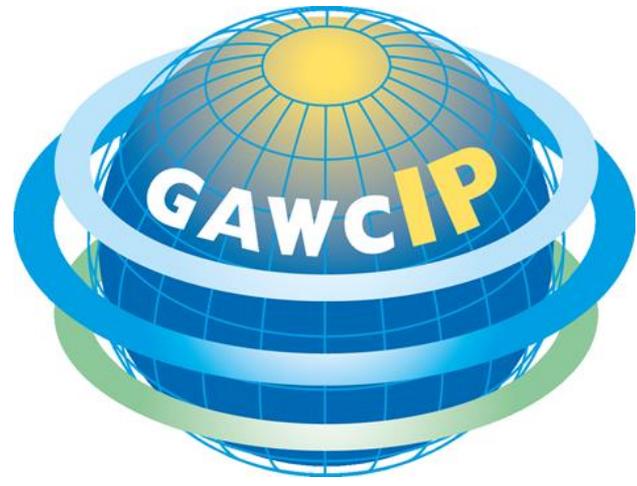




With the support of



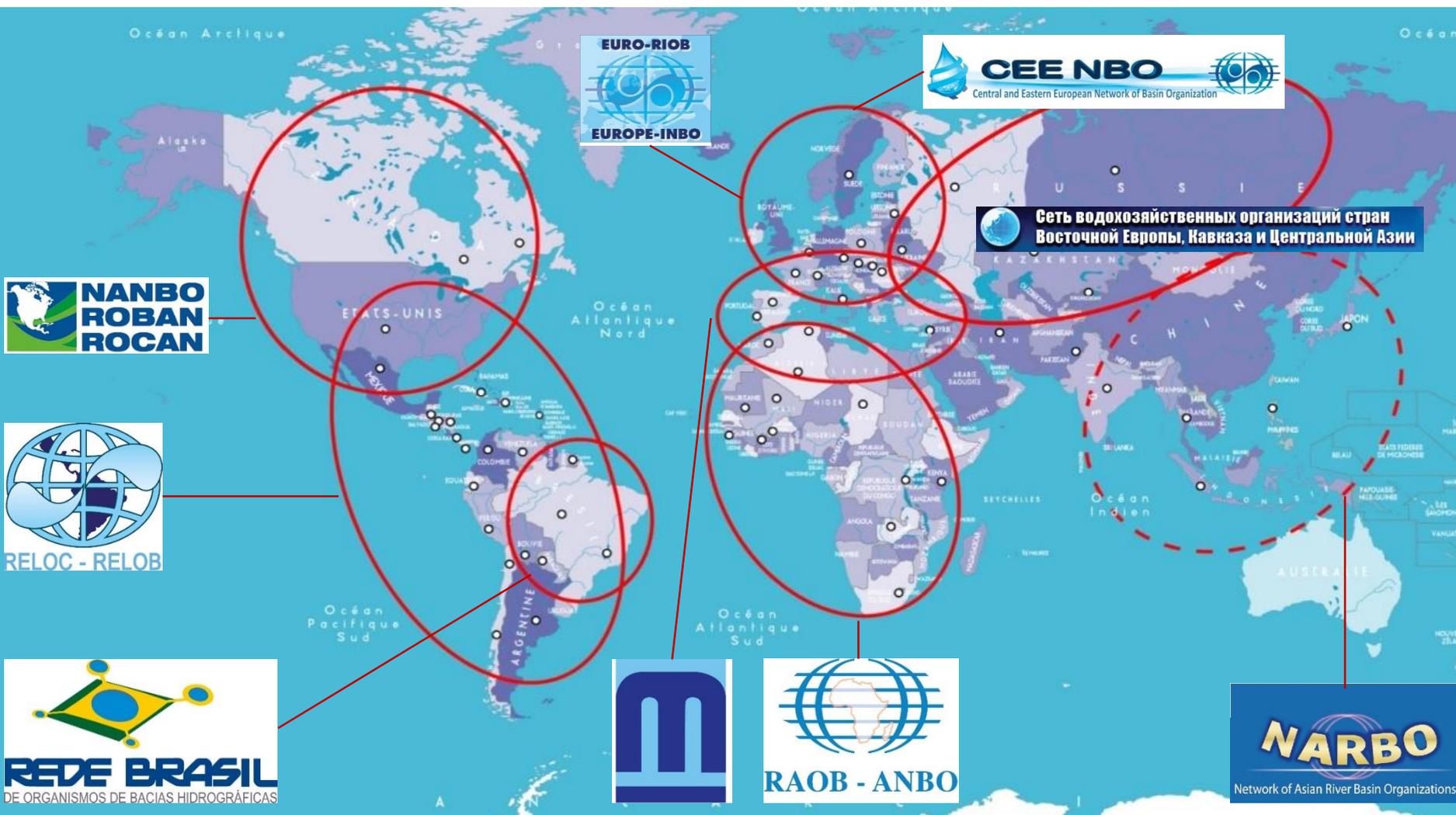
# Developping Adaptation Projects in Africa : the interest of an Incubation Platform

**Eric TARDIEU**

**International Network of Basin Organizations**



# INBO's Regional Networks

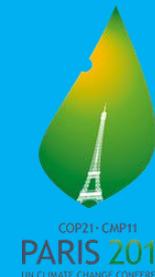


# « Water and climate », a 2 COPs story

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



# Creation of the Global Alliances for Water and Climate (GAWC) at COP22

With the support of



- **Gathering the networks of individual Alliances of the GAWC :**
  - The Alliance of Basins (“Paris Pact” on water and adaptation to climate change in the basins of rivers, lakes and aquifers), with 357 signatories from 94 Countries, facilitated by INBO in partnership with UNECE.
  - The Business Alliance for Water And Climate Change - BAFWAC, launched by the Carbon Disclosure Project - CDP, the CEO Water Mandate, the World Business Council for Sustainable Development and SUEZ, which has now 44 member organizations, including 30 leading companies.
  - The Alliance of Megacities for Water and Climate, facilitated by UNESCO, ICLEI, SIAAP and Arceau-IDF, gathering 16 Megacities for a total population of 300 million inhabitants.
  - The Global Clean Water Desalination Alliance.
- **Secretariat of the GAWC : INBO**

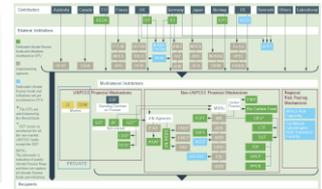


# Paris Pact « Water and climate projects » need a specific tool

With the support of



- **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](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

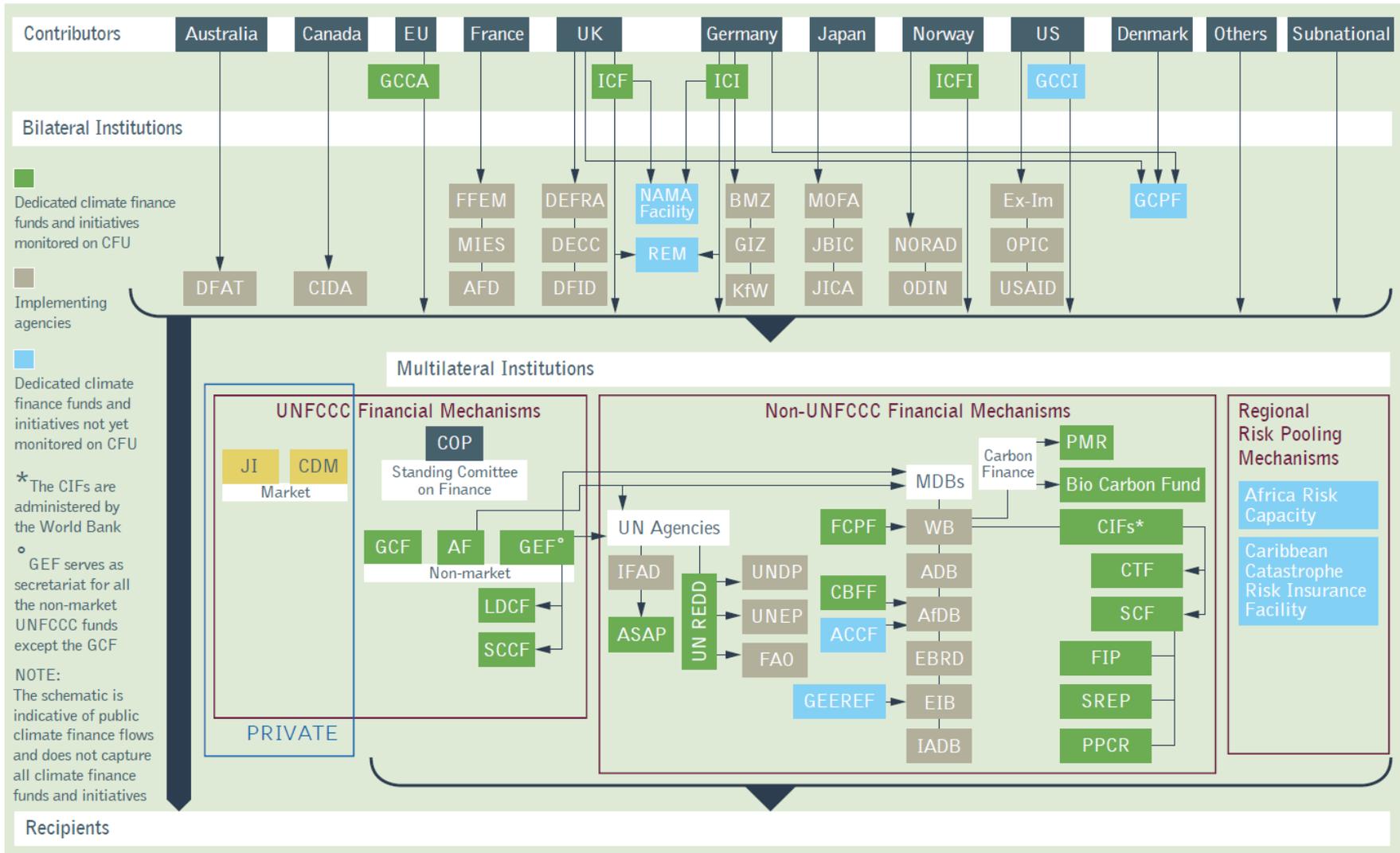


➤ **Towards a Global Alliance for Water and Climate's Incubation Platform :**



# Gap between donors and project holders : Global climate finance architecture

With the support of



Source : World Bank

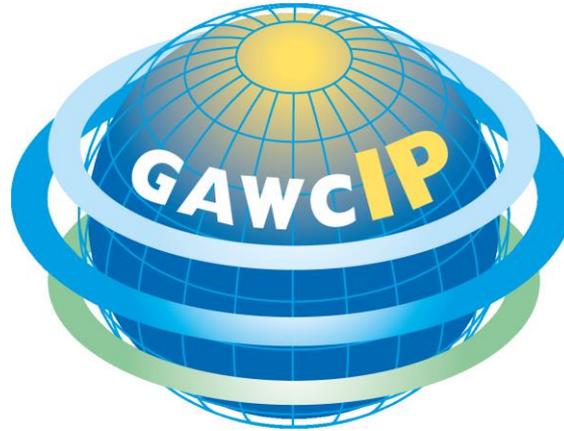


# Global Alliance for Water and Climate's Incubation Platform

*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



## Key investments/projects : Enabling knowledge and soft infrastructures



- Reinforce capacity development and knowledge
- Adapt basin management planning
- Reinforce governance
- Ensure adequate financing

- **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**





With the  
support of



# GAWCIP process and deliverables

## Assessment



## Concept development



## Draft project description for funding



## Recommandations for follow-up



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

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

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€



Detection/analysis of projects

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



**COP23**  
**Roundtable**  
**with donors**



# Current portfolio of projects : 3 examples



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



# 1. National Water Information System in Burkina Faso

Detection	INBO
Location	Burkina Faso, national level
Title	<b>Development of the national water information system (SNIEau) for the management and valorisation of the available data needed for CC adaptation and fight against water-related risk</b>
Topics	<ul style="list-style-type: none"> <li>• Strengthen the institutional cooperation related to water and CC data management/ exchange and valorization</li> <li>• Support to the development of data exchange and valorization procedures, especially for hydrological data (including non intrusive data)</li> <li>• Consolidation and development of monitoring network (hydrology, climatology, water quality, hydraulic infrastructures) and tools</li> <li>• Development and management plan of SNIEau</li> <li>• Capacity building for data management and valorization</li> </ul>
Leader	SP / GIRE, DGRE/DEIE
Incubator Services / Deliverables	<ul style="list-style-type: none"> <li>• Diagnostic of the existing situation related to water monitoring and CC adaptation data management (especially regarding water-related risks)</li> <li>• Preparation of SNIEau development plan focusing on strengthening the water and CC adaptation data exchange and valorization</li> </ul>

## 2. Basin adaptation plan in Morocco

Country	Marocco
Location	Fes, Sebou basin
Title	<b>Investment plan for the reinforcement of the efficiency of Fes urban and industrial wastewater treatment for a better resilience to climate change</b>
Topics	<ul style="list-style-type: none"> <li>• In order to face CC impacts on the quantity of water in Sebou river, the quality of Fes wastewater treatment needs to be improved.</li> <li>• Highly polluting industrial sites (oil factories, sugar industry) are connected to the treatment plant without proper pretreatment</li> <li>• Many industrial sites are connected to the wastewater treatment plant and let their effluents flow into the river without any epuration</li> <li>• Treatment of sludge from the wastewater treatment plant need to be improved</li> </ul>
Leader	Agence de Bassin Hydraulique du Sébou
Incubator Services / Deliverables	<ul style="list-style-type: none"> <li>• Action plan (process enhancement, pretreatment...) for the industrial sites connected or not connected to the wastewater treatment plant</li> <li>• Improvement plan for sludge treatment and valorisation</li> </ul>

# 3. Diama dam monitoring system

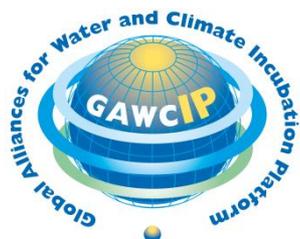
Country	Senegal
Location	Senegal river delta
Title	<b>Project preparation of Diama dam basin's monitoring system for natural resources and adaptation measures</b>
Topics	<ul style="list-style-type: none"> <li>• CC is global...but causes very concrete local effects, that need to be known and monitored at the proper scale</li> <li>• Diagnosis of the existing monitoring systems (water quality/quantity, wetlands, vegetation, solid transport, sediments, lagune, langue de barbarie) ;</li> <li>• Socio-economic diagnosis in order to define a new business model for the monitoring system</li> <li>• Space observation can now provide innovative solutions</li> </ul>
Leader	OMVS/SOGED
Incubator Services / Deliverables	<p>Technical assessment of the monitoring systems</p> <p>Proposal for new business models</p> <p>Project technical and business description</p>

# Fore more information

With the  
support of



**AfriAlliance Workshop: “Social innovation needs in water and climate: regional priorities in Africa”**  
**Wednesday 3<sup>rd</sup> May 17:30-19:00**  
Challenges and innovative solutions for adaptation to climate change.



**Side-event “COP22's legacy: Implementing the Global Climate Action Agenda in the water sector”**  
**Thursday 4<sup>th</sup> May 17:30-19:00**

The legacy of COP22: case studies of projects of adaptation in the basins of rivers, lakes and aquifers.

**Both in room Room “Princess” and with French/English interpretation available**



# Global network of basins



- Global network of basins working on water and climate by UNECE and INBO:
  - 14 Basins with different priorities (water scarcity, floods)
  - Support countries (especially those in transition) in developing adaptation strategies and measures
  - Create positive examples showing benefits of and mechanisms for transboundary cooperation in adaptation
  - Support dialogue and cooperation on the design of an adaptation strategy in the transboundary context
- Platform for exchanging experiences:
  - Regular workshops, meetings of the Task Force and basin meetings
  - Internet platform
- Other interested basins invited to join



# Future plans and opportunities for cooperation

- Share experiences global network of basins working on climate change
- Join the **training on how to prepare bankable project proposals for climate change adaptation in transboundary basins (Dakar, 21-23 June 2017)**
- Join the next global workshop on water and climate, focused on water scarcity (both transboundary cooperation aspects and health aspects) and Task Force on Water and Climate to be held in Geneva on 11-12-13 December 2017
- Highlight water and transboundary aspects in global processes





With the support of



# 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, **WU**, representatives of government, 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 aquatic ecosystems, with increasing frequency and greater intensity of hydrological events, such as floods and droughts, the increase in ocean 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.

**Still time to sign in!**



[e.tardieu@riob.org](mailto:e.tardieu@riob.org)

[www.inbo-news.org](http://www.inbo-news.org)

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



International Office for Water

