



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

From COP21 to COP22



PARIS2015
CONFÉRENCE DES NATIONS UNIES
SUR LES CHANGEMENTS CLIMATIQUES
COP21-CMP11



CEE-ONU



MARRAKECH
COP22|2016|CMP12
UN CLIMATE CHANGE CONFERENCE



*International
Office
for Water*

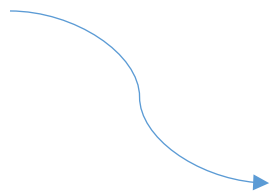
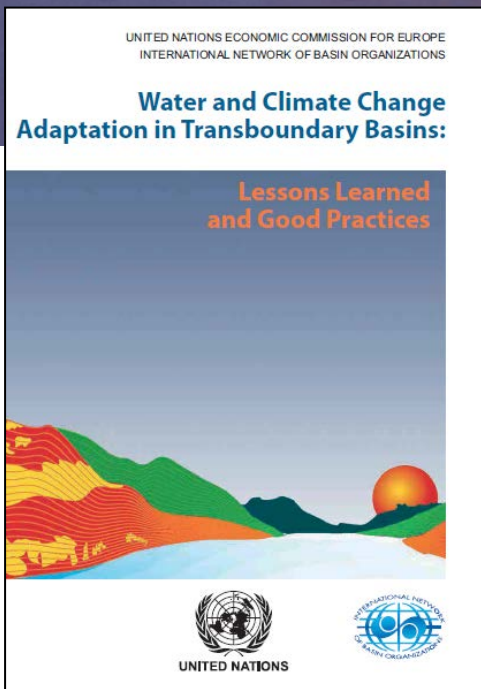
Eric TARDIEU

Deputy Secretary General

**International Network of Basin
Organizations**



« Souvenirs, souvenirs... »



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, **we**, 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 and will increasingly affect the quantity and quality of freshwater and aquatic ecosystems, especially through the intensity and greater frequency of extreme hydrological events, such as floods and droughts, as well as the increase in ocean level, which threaten security, 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. Therefore, new basin organizations and working areas should be financed and strengthened to facilitate the cooperation, coordination and exchange of information, dialogue, consultation and prevention of conflicts between stakeholders and to enhance the implementation of adaptation measures and the sharing of benefits on the basin scale.

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.



Water in official high level session of COP21: The Lima-Paris Action Agenda (LPAA) (1/2)



- **Lima-Paris Action Agenda (LPAA)...now *Global Climate Action Agenda***

Joint initiative (French & Peruvian presidencies of the COP20 & COP21, Executive Office of the Secretary-General of the United Nations, Secretariat of the UNFCCC) aiming at the development of climate actions (mitigation/adaptation) by civil society actors.

Many commitments have been presented during the half-day of the LPAA dedicated to water (December 2nd 2015):

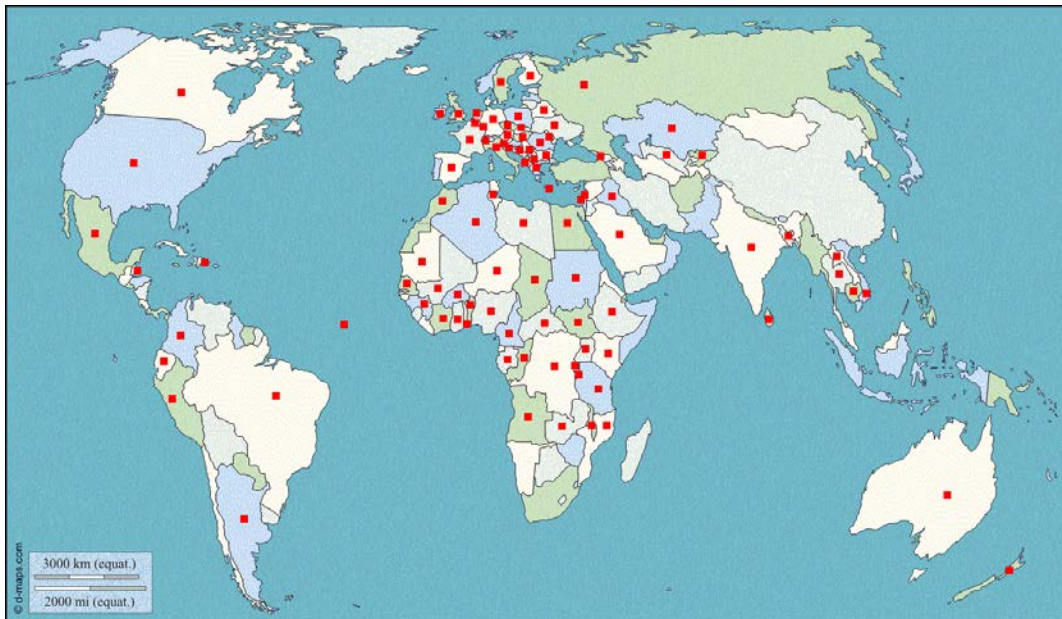
- Launch of the **Business** Alliance for Water & Climate Change (40 companies committed to reduce the water footprint of their industrial processes),
- Launch of an awareness-raising campaign on the link between water & climate issues by 20 **youth** associations,
- Launch of the **Megacities** Alliance for Water and Climate (10 cities, 85 million people)
- **Launch of the Paris Pact on water and adaptation in basins.**



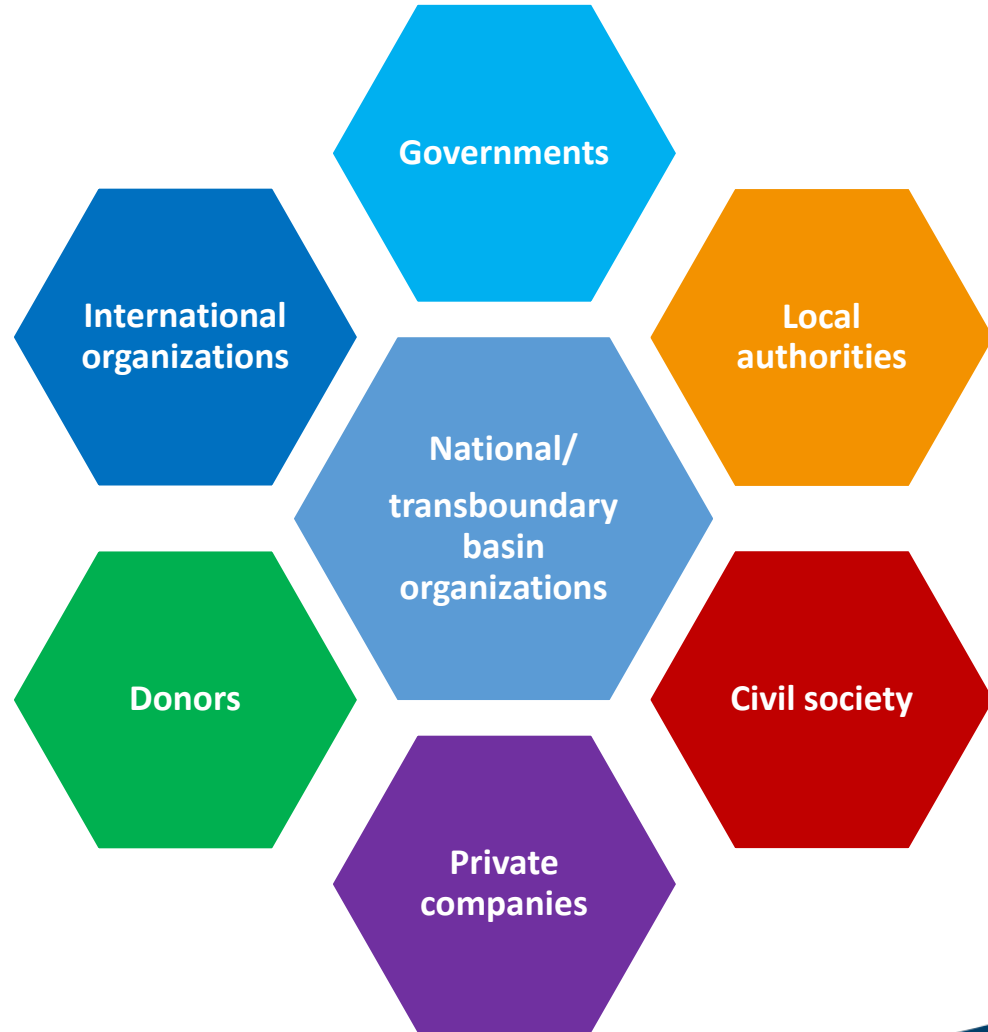
Water in official high level session of COP21: The Lima-Paris Action Agenda (LAAA) (2/2)



- **Paris Pact on water and adaptation to the effects of climate change in the basins of lakes, rivers and aquifers (INBO initiative):**
 - 348 organizations from 94 countries
 - Among the signatories on the 2nd December: 4 Ministers in charge of water management (Bénin, France, Morocco, Peru) and the Executive Secretary of the United Nations Economic Commission for Europe (UNECE)



A new step towards action



4 priority commitments in the Pact of Paris



Reinforce capacity development and knowledge

- **Monitoring networks (meteorology, hydrology, quality, uses, environment...)**
- **Water Information Systems**
- **Exchange platforms between research and decision making**
- **Data interpretation capacities**
- **Translation into policy responses**

Adapt basin management planning

- **Impact and vulnerability assessment**
- **Production of adaptation strategies**
- **Floods and droughts prevention actions**
- **Performance indicators**
- **Water demand control for agricultural, industrial and municipal uses**
- **Development of water supply**
- **Water-related ecosystems services (NWRM)**

Reinforce governance

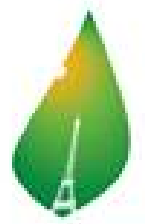
- **Individual capacities of BO staff (training)**
- **Institutional capacities (sharing experiences)**
- **Integration with related sectors (agriculture, energy, transport, tourism, fish farming...)**
- **Stakeholders participation**

Ensure adequate financing

- **Sustainable financial mechanisms**
- **Polluter/consumer pays principles**
- **Investment programs**
- **Cost-effectiveness analysis**
- **Financial support by donors**



“Paris Pact” flagship projects

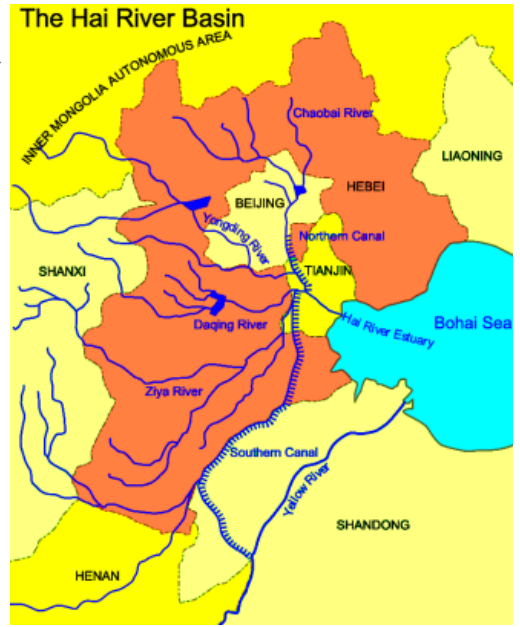


PARIS2015
CONFERENCE OF PARTIES
OF THE UNITED NATIONS
CONVENTION ON CLIMATE CHANGE
COP21-CMP11

CHINA – HAI RIVER BASIN Integrated Water resources management And adaptation to climate change.



The 3 - 1000 km long water S/N transfers diverting flows of the Yangtze river to provide water to the water stressed cities of Beijing and Tianjin in the Hai river basin.



Context:

- Megacities (Beijing+Tianjin: 34 million people)
- Highly affected by water stress, frequent floods and droughts, and high pollution



“Paris Pact” flagship projects

MEXICO – MEXICO DF AND VALLEY Integrated water resources management and adaptation to climate change.

District Federal and 60 neighbor Municipalities



PARIS2015
CONFÉRENCE DES PARTIES (COP21)
COP21-CMP11



Context:

- Megacity (Mexico: 23 million people – 2nd W largest city),
- Altitude 2250m,
- Scarcity: 160 m³/habitant/an,
- Low level of aquifers, driving of soils,
- Eutrophisation of the réservoirs,
- Urban flooding
- Low level of waste water treatment



“Paris Pact” flagship projects

COOPERATION AND ADAPTATION IN THE SENEGAL RIVER BASIN (Guinea, Mali, Mauritania, Senegal)

OMVS, A ROLE MODEL FOR ADAPTATION?
The secret recipe of joint investments and shared benefits



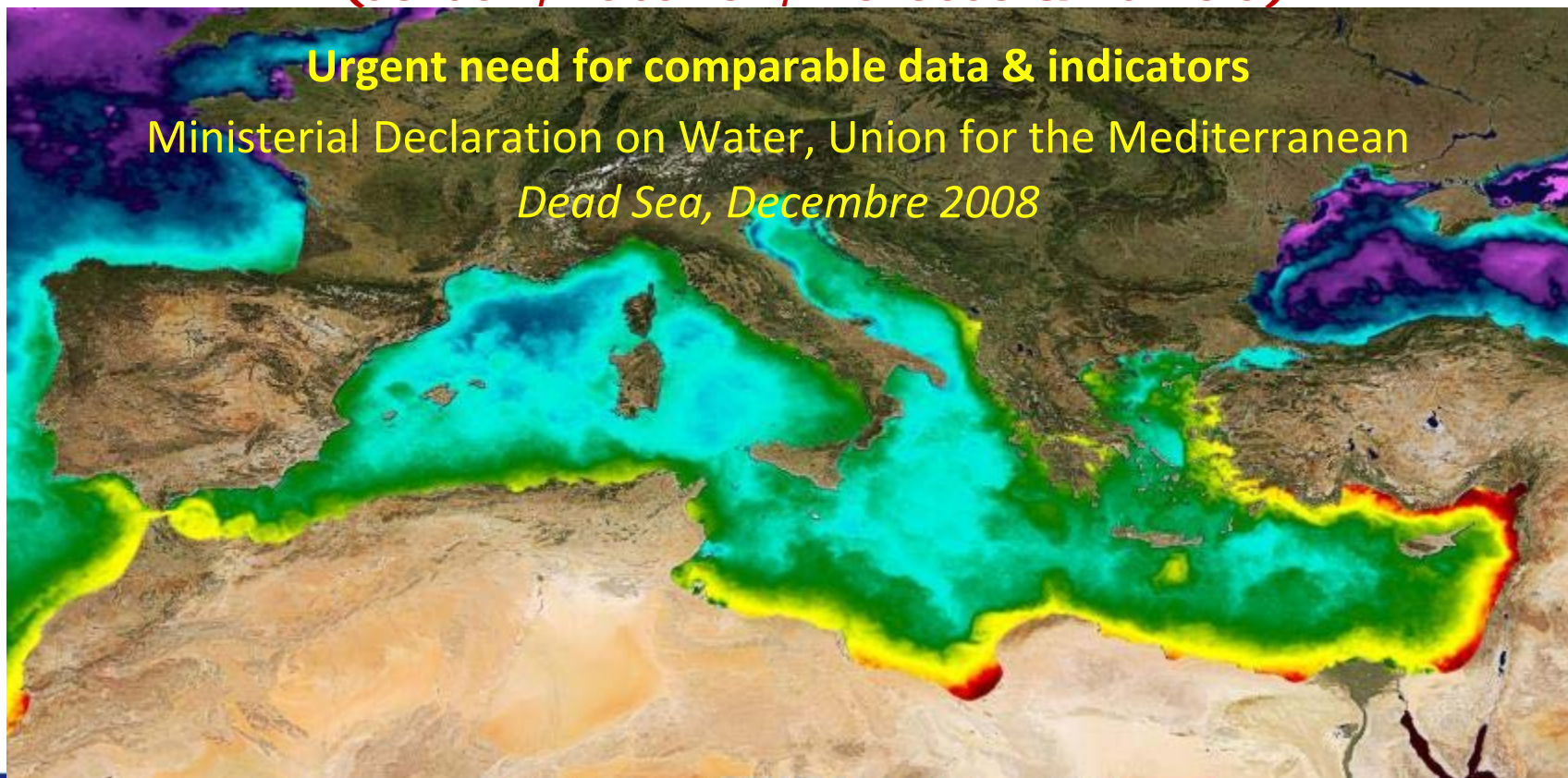
State	Share of invest.	Share from benefits
Mali	35,3%	52% hydropower. Navigation.
Mauritania	22,6%	15% hydropower. 33% irrigable land.
Senegal	42,1%	33% hydropower. 64% irrigable land.

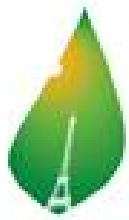
“Paris Pact” flagship projects

THE MEDITERRANEAN WATER KNOWLEDGE PLATFORM for adaptation to climate change (Jordan, Lebanon, Morocco & Tunisia)

Urgent need for comparable data & indicators

Ministerial Declaration on Water, Union for the Mediterranean
Dead Sea, Decembre 2008



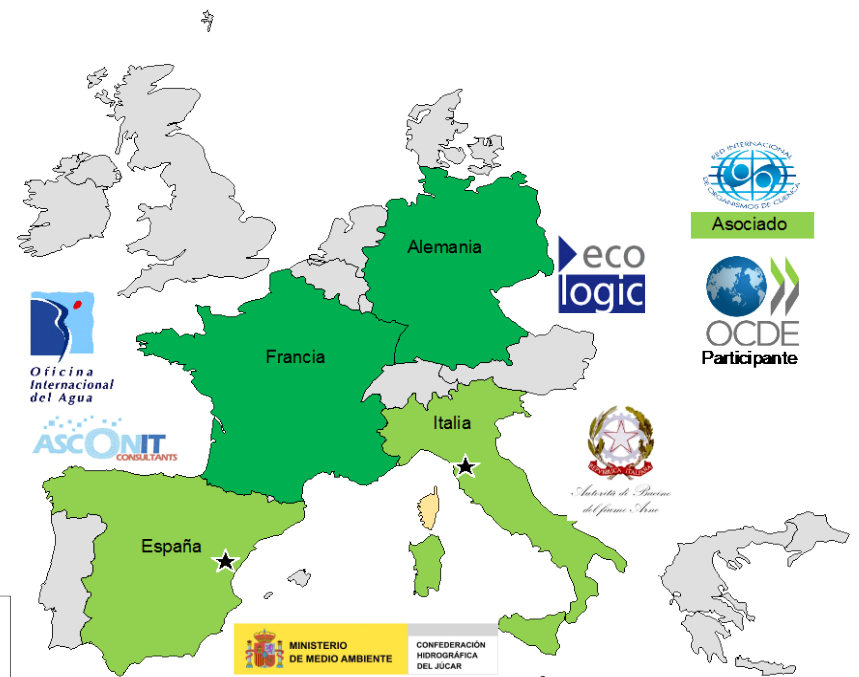
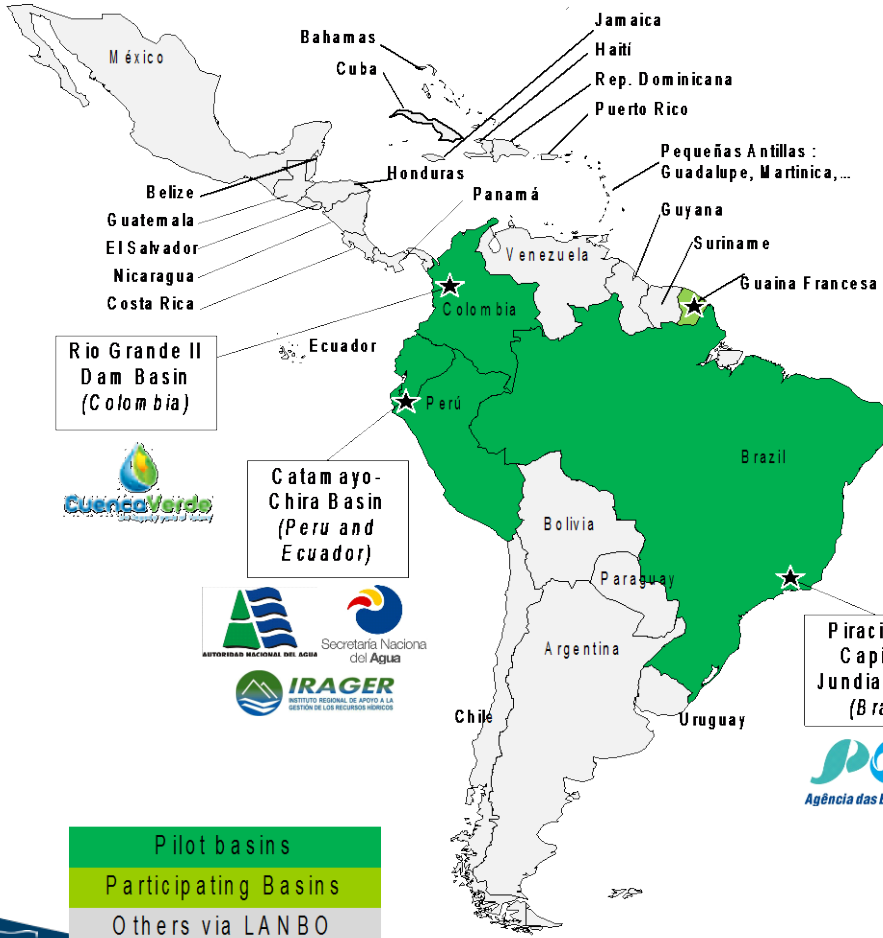


ECOCUENCAS PROJECT



PARIS2015
CONFERENCE OF THE PARTIES UNDER
THE UNFCCC
COP21-CMP11

Demonstrate in a practical way
the relevance of redistributive mechanisms
for integrated water resources management and better resilience;



Participants of the project



“Paris Pact” flagship projects

NIGER RIVER BASIN **The Climate Resilience Investment Plan**

Climate change impacts are affecting the livelihood of the population living in the Niger river basin.



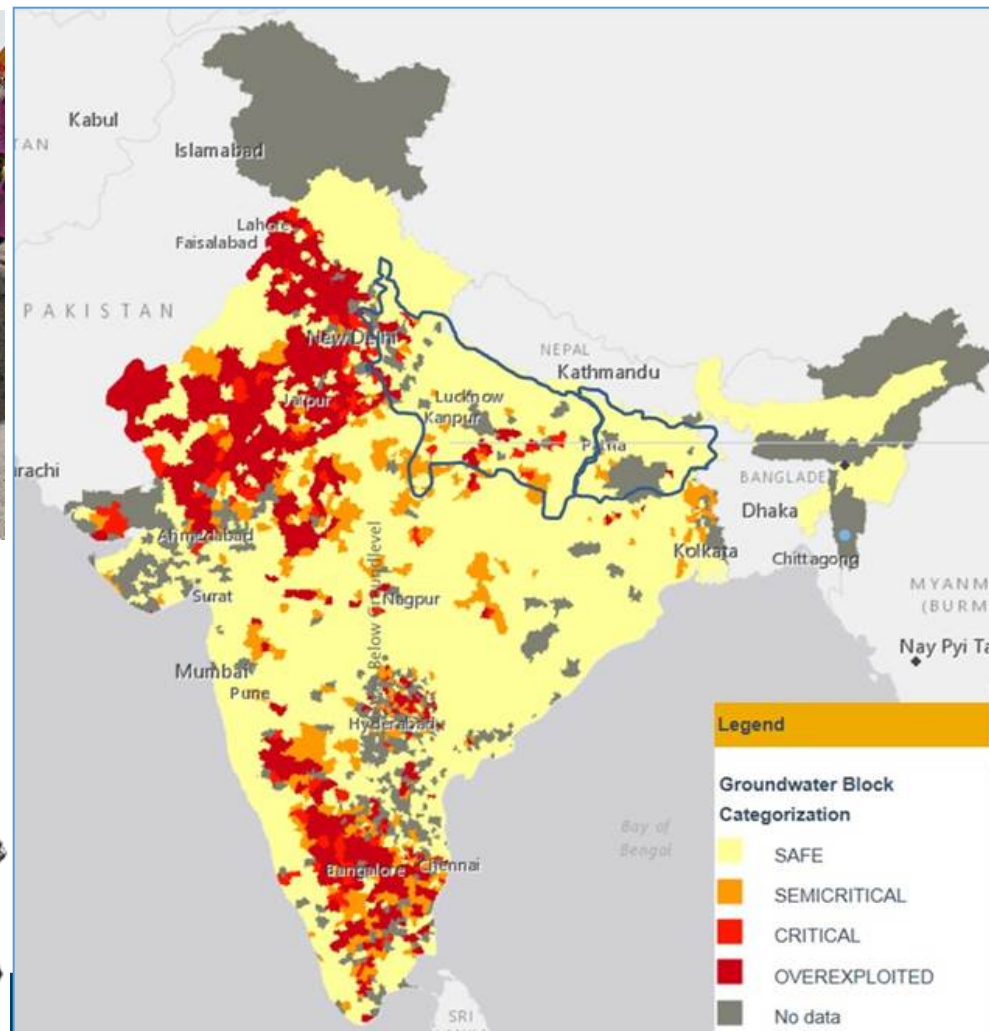
WORLD BANK GROUP



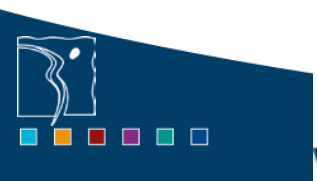
“Paris Pact” flagship projects

INDIA

Groundwater Management improvement Program for Climate Change Resilience



Over exploitation is one of the main pressure on groundwater. As an expected impact of climate change, a decrease in groundwater recharge will get worse.



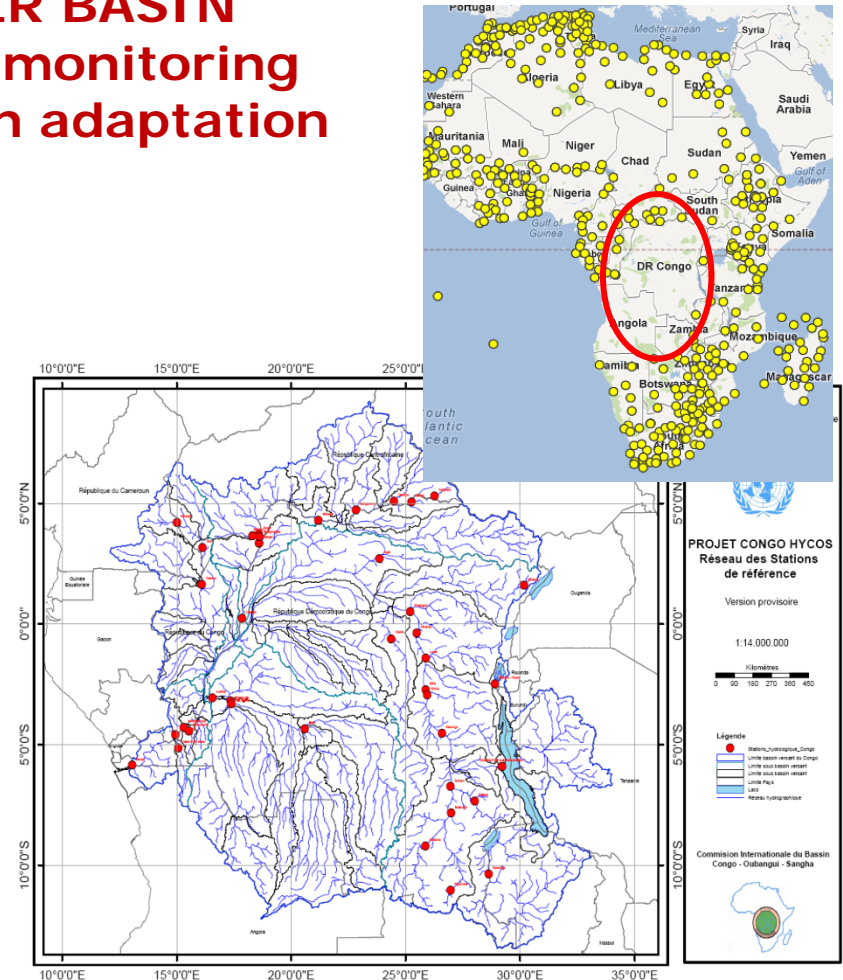
सत्यमेव जयते

“Paris Pact” flagship projects

CONGO RIVER BASIN Strengthening monitoring to improve basin adaptation



Network of hydrological monitoring stations before (left) and after (right) the project



Commission Internationale
du Bassin Congo-Oubangui-Sangha



AGENCE FRANÇAISE
DE DÉVELOPPEMENT



International
Office
for Water



CIBCS



From COP21 to COP22 : Strengthening and mobilizing the Paris Pact community



- **Milestones for the promotion & follow-up of the Paris Pact:**

- 3rd meeting of the global network of basins working on climate change adaptation, Geneva, 6-7 April 2016,
- 10th World General Assembly of the INBO, Merida, 1-4 June,
- OECD 7th meeting of Water Governance Initiative, 23-24 June
- “Water Security for Climate Justice”, Rabat, 11-12 July,
- 6th Global Workshop on water and climate in transboundary basins (UNECE/INBO & al), Geneva, 13-14 September,
- Climate Chance Summit, Nantes, 27-28 September
- COP22, Marrakech, 7-18 November.

- **Paris Pact 2016 Calls for Action (May/September):**

- Calling for new signatories : now around 350 from 90 countries),
- Calling for new commitments (11 new projects)
- Thematic focus of Paris Pact 2016 Call for Action:
 - **Monitoring networks** (meteorology, climatology, hydrology, water and ecosystem quality, water uses including withdrawals and pollutant discharges, environment and biodiversity),
 - **Water Information systems** (data collection, management and sharing).



New call for action

www.riob.org

www.inbo-news.org

www.rioc.org

Form to
fill on
line

View this message on the Web [follow this link](#)



WATER and CLIMATE:

IT IS TIME FOR ACTION :

Join the *Paris Pact* initiative!

Send us your projects of adaptation to climate change in the basins of rivers, lakes and aquifers!

As you know it the upcoming COP22 on climate will take place in Marrakech in Morocco from 7 to 18 November 2016 and, on the occasion of the 10th anniversary of the signing of the Paris Agreement, it will be a priority in this conference.

These are the very good news that we all have expected, but we must now get mobilized and act as part of the "Global Climate Action Agenda".

What is the Paris Pact?

The « **Paris Pact on water and adaptation to the effects of climate change in the basins of lakes, rivers and aquifers** » was launched during the COP21 in Paris in 2015, in partnership with the United Nations Economic Commission for Europe (UNECE), the Paris Agreement (PA), that now turned into the « Global Climate Action Agenda » (GCAA), with the support of the French, Moroccan and Paris Basin Organizations in particular. It synthesizes principles and actions to be carried out for adaptation in basins.

Join the Paris Pact initiative...

... just like more than 348 basin organizations, ministries, local authorities, companies, donors, research and training centers, member organizations that already signed the Pact in 87 countries. : [Send us your signed Paris Pact](#), a photo of the signatory and a logo of your organization, before Friday 30 September or by sending back to us ghoinet@inbo-news.org.

If your organization has already signed the "Paris Pact", please excuse us for this general message.

Pilot projects promotion

You are invited to also send us your projects through [the dedicated survey](http://enquetes.oieau.fr/index.php/survey/index/sid/538217/lang/en) before Friday 30 September or by sending back to us [the dedicated email](mailto:ghoinet@inbo-news.org).

The Paris Pact, of course, targets **Integrated Water Resources Management (IWRM) projects** for instance (national and transboundary strategies, water information systems, financial mechanisms, capacity building of basin organizations and for basin governance, civil society involvement, training and education).

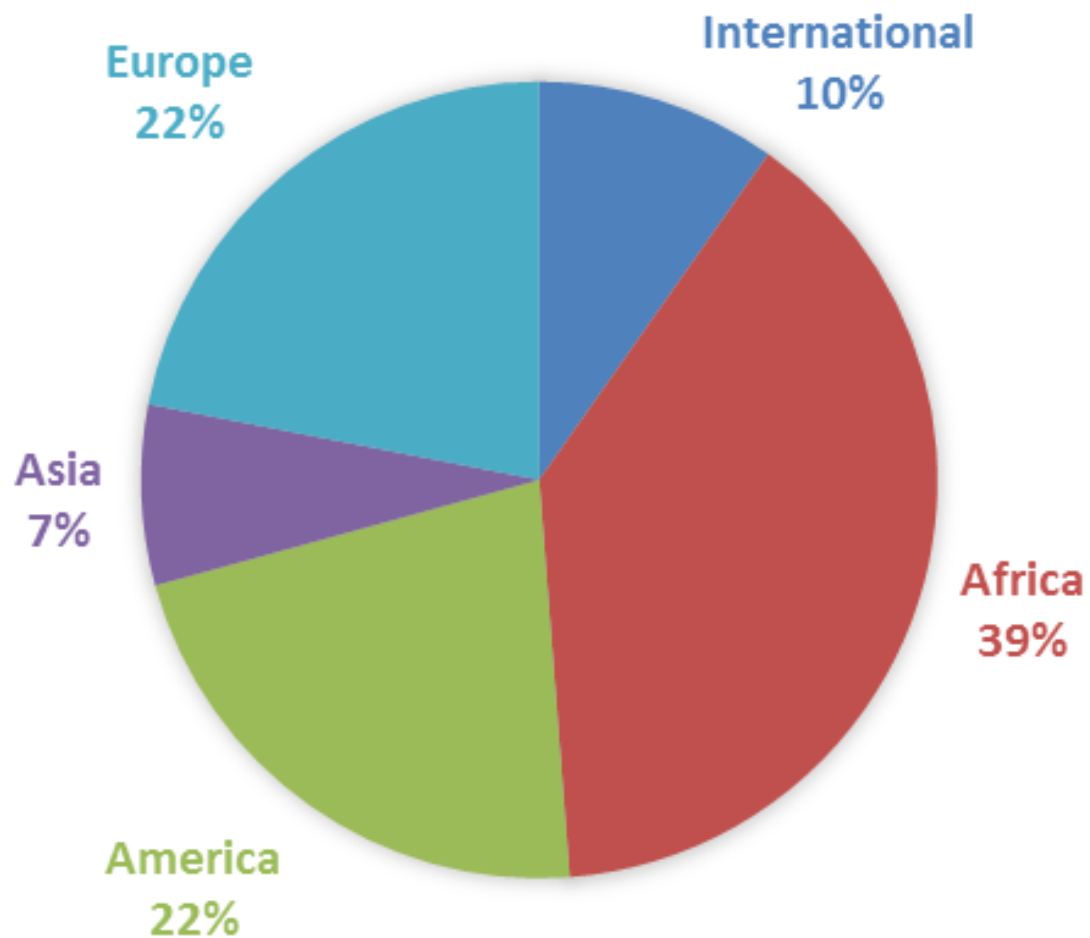
<http://enquetes.oieau.fr/index.php/survey/index/sid/538217/lang/en>

<http://enquetes.oieau.fr/index.php/survey/index/sid/888999/lang/fr>

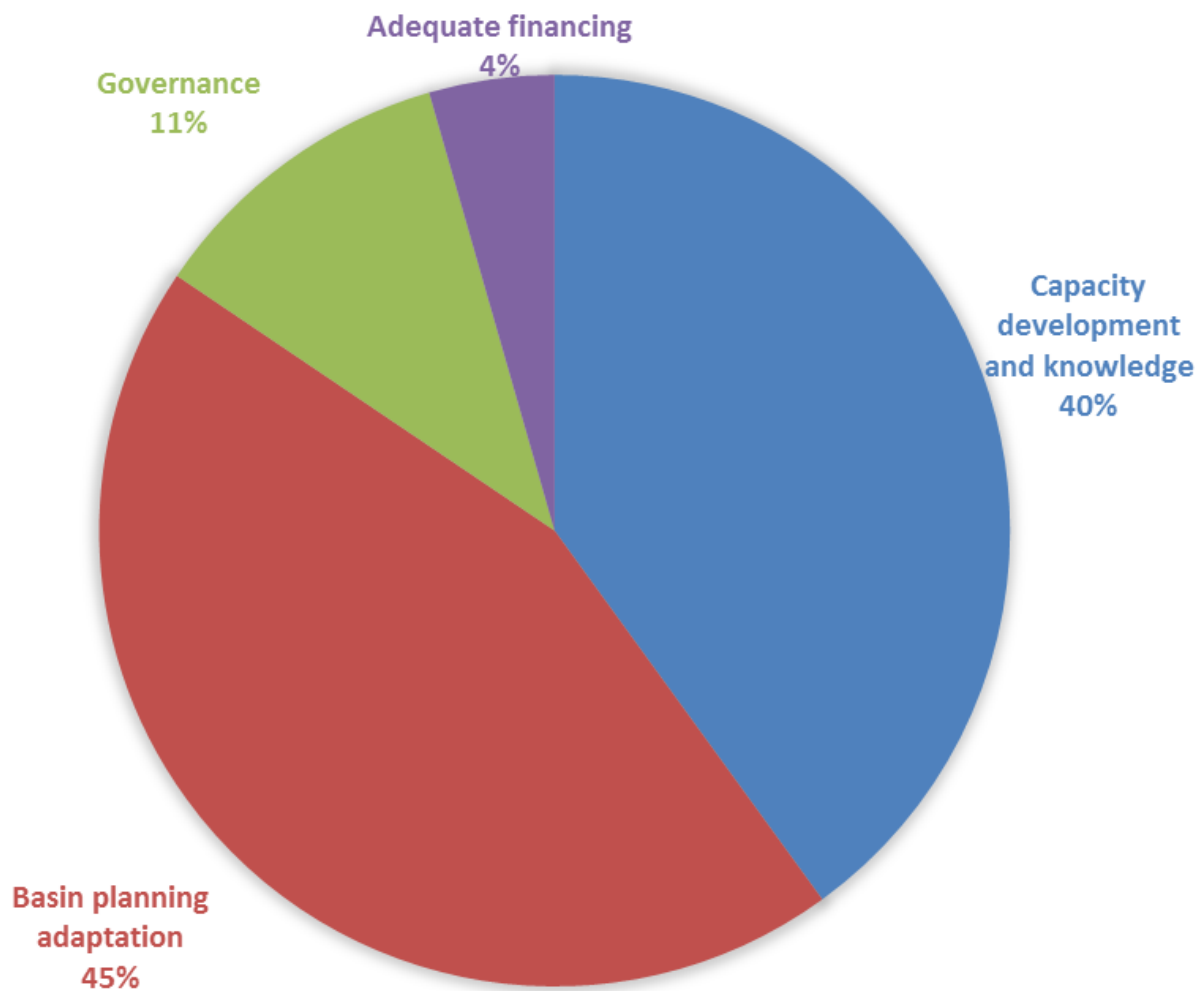
http://www.riob.org/IMG/pdf/Formulaire_de_Pacte_Paris_Esp-1.pdf



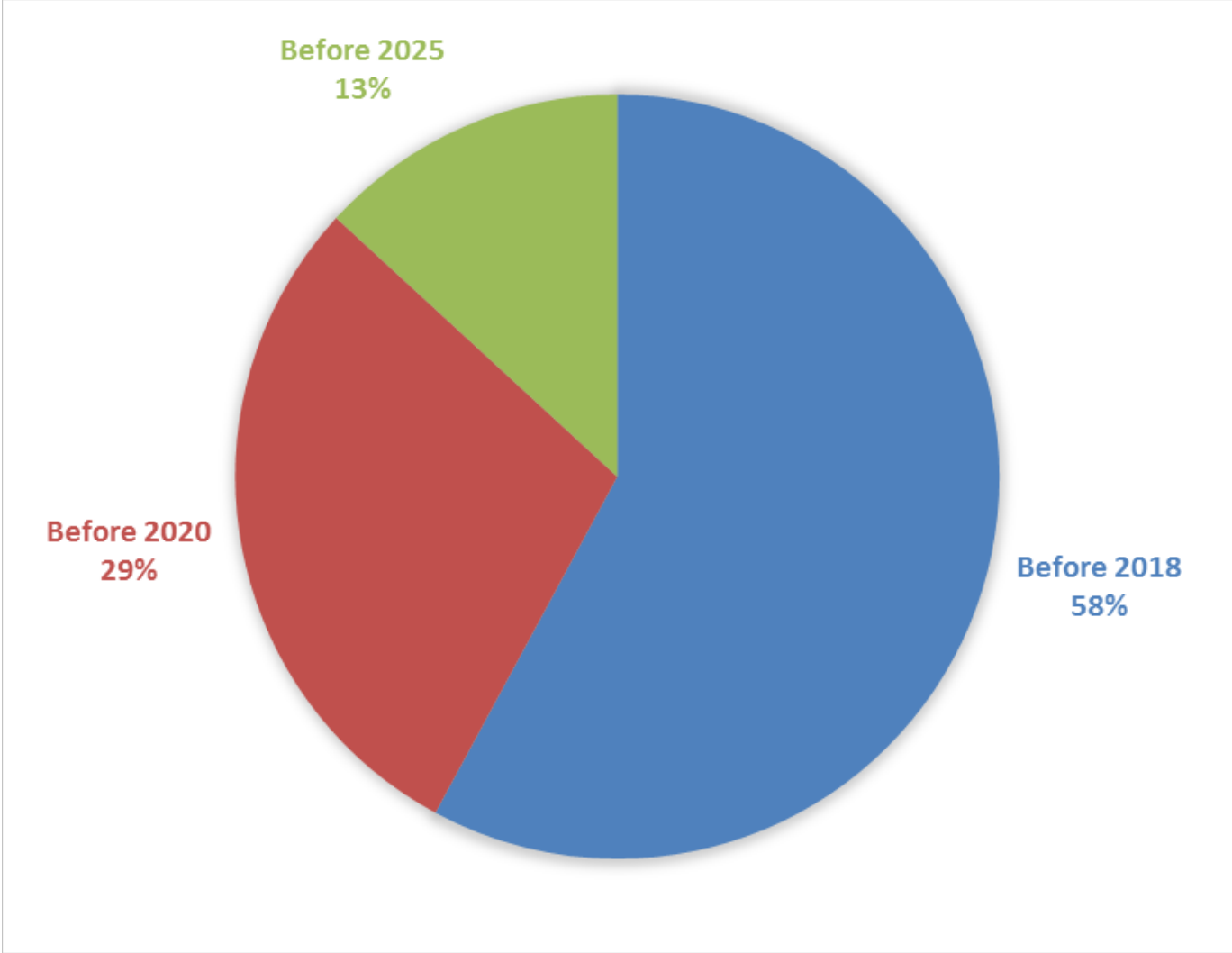
Paris Pact projects : geography



Paris Pact projects : topics



Paris Pact projects : time repartition



Next steps



- Keep a high profile for water in the climate debate
 - Recruit more signatures
 - Collect more actions
- Make projects happen
 - The dramatic lack of relevant water information systems in many basins
 - The necessity to improve the dialogue between projects holders and funding organizations
 - Towards a project incubation/acceleration platform ?
 - Towards a long-term political governance ?
- Waiting for the follow-ups of the Global Climate Action Agenda...





THANK YOU FOR YOUR ATTENTION !



International Network of Basin Organizations
Réseau International des Organismes de Bassin
Red Internacional de los Organismos de Cuenca
www.inbo-news.org

Still time to sign in !



**International
Office
for Water**

International Office for Water
Office International de l'eau
www.iowater.org

e.tardieu@riob.org

