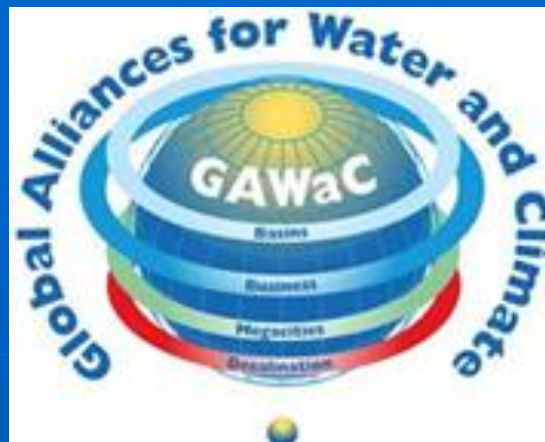




**International
Office
For Water
PARIS-FRANCE**



**International
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**Conclusions
by
Mr. Jean - François DONZIER
General Manager
INTERNATIONAL OFFICE FOR WATER**

**Permanent Technical Secretary
INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS**

GAWaC Secretariat



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FRESH WATER IS A TIME BOMB!!!



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Water is one of the first victims of climate change!



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Climate change consequences



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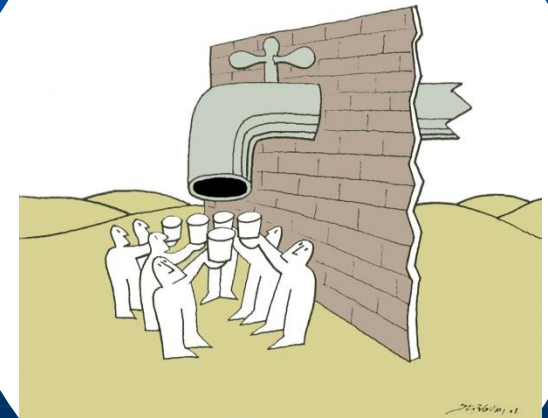


The climate change is likely to increase the frequency of extreme events, such as floods and droughts:

Conflicts!!



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We should act quickly before it is too late!



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THE UN FRAMEWORK CONVENTION
COP21-CMP11



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**Indeed, basins are the natural territories,
in which water runs,
on the soil or in the sub-soil,**

**whatever are the national or administrative boundaries
or limits crossed.**



**An overall approach should be organized
on the relevant scale
of basin areas of rivers, lakes and aquifers.**

« Liberté – Egalité – Fraternité »

WELCOME IN FRANCE at COP21

WATER AND ADAPTATION TO
THE EFFECTS OF CLIMATE CHANGE

-Action Agenda-

2 December 2015





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 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 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 existing ones 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.



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v14

Paris Pact



www.inbo-news.org
www.cop21.gouv.fr/en

1



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Paris Pact on water and adaptation to climate change in basins



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RECOMMENDED ACTIONS:

1) Reinforce capacity development and knowledge,

Establish risk warning and water information systems in a context of uncertainty.

2) Adapt basin management planning to climate change,

Better controlling water demand and developing a more efficient and sustainable use of water resources (including groundwater) - Enhance the services of water-related ecosystems

3) Reinforce governance,

Create new basin organizations and reinforce existing ones

Support mechanisms for the involvement of the stakeholders in basin management,

4) Ensure adequate financing.

Establish investment program and sustainable financing mechanisms

We do not have to reinvent the wheel to act quickly!

Did you sign it?



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The UN Convention
for the international water courses management
in Europe – HELSINKY 1992

Network of Pilot Basin Organizations
to test measures for adapting to climate change

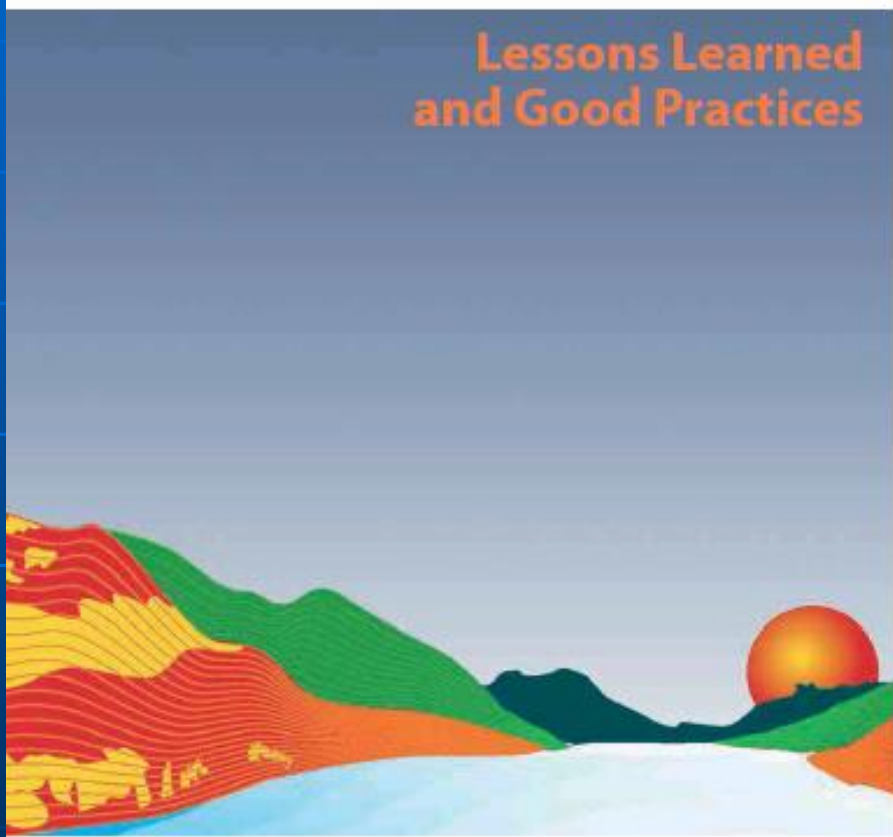




UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE
INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS

Water and Climate Change Adaptation in Transboundary Basins:

Lessons Learned and Good Practices



UNITED NATIONS



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359 SIGNATORIES!!



2 December 2015
at COP21



WATER AND ADAPTATION TO
THE EFFECTS OF CLIMATE CHANGE

WE MUST
CAN
WILL



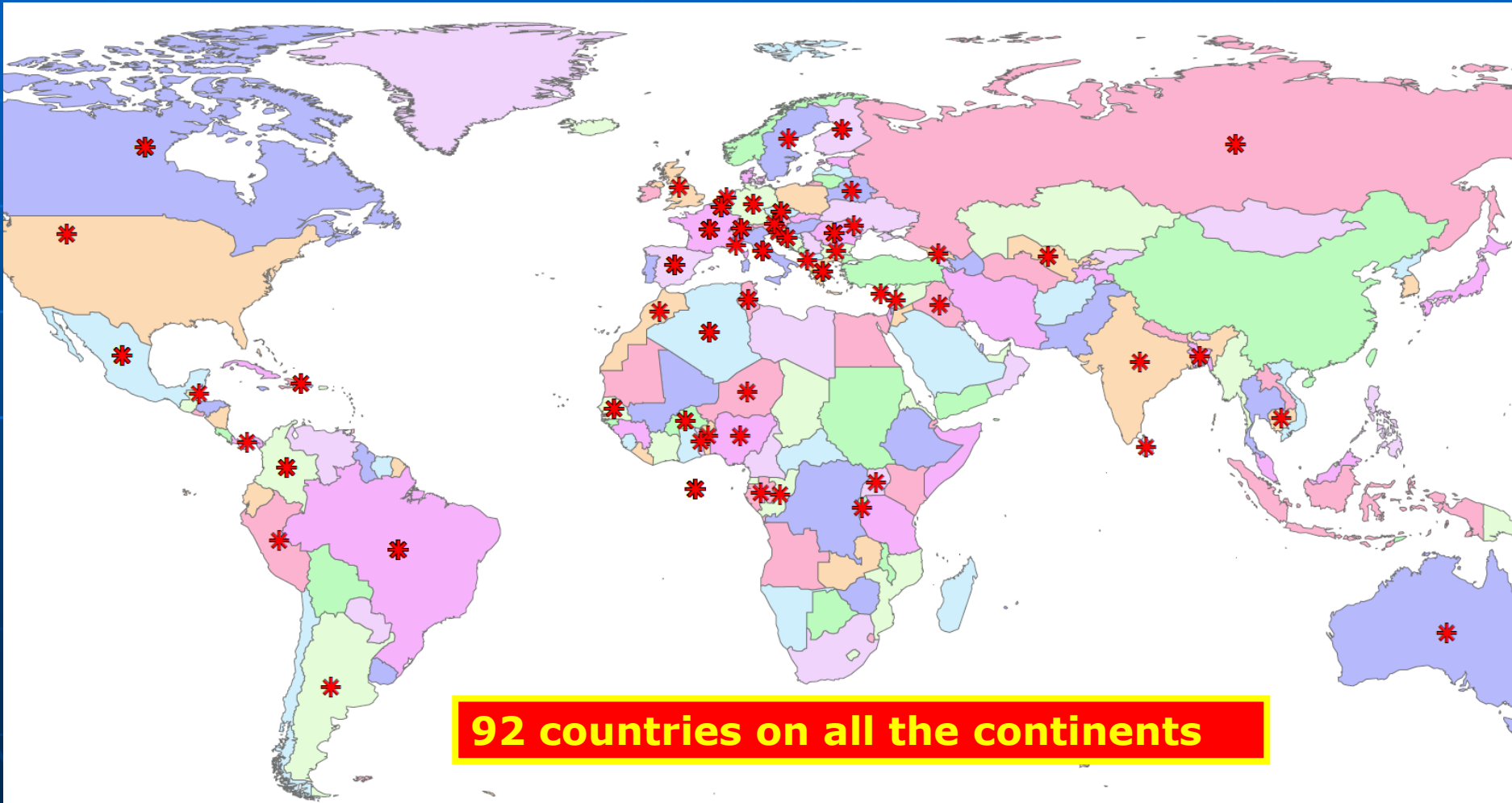
Lima-Paris Action Agenda



World Map of the «Paris Pact» signatories



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- The Alliance of the 357 signatories of the Paris Pact on water and adaptation to climate change in the basins of rivers, lakes and aquifers, 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 Alliance of dessalinisation



BAFWAC Key Facts

- 4 founding partners: SUEZ, CDP Global Compact of the United Nations (CEO Water Mandate), WBCSD
- 44 participants: 68% of private companies, 20% of NGOs, 7% of business organizations and 5% of research institutes / learning centers
- 30 signatory companies representing a total aggregated income of 680 billion US dollars from the 5 continents
- 3 levels of ambition:
 - **Analyze and share water related risks to implement collaborative response strategies;**
 - **Measure water footprint with existing standards;**
 - **Reduce impacts on water availability and quality in direct operations and all along the value chain.**
- 1 operational objective: achieving 100 signatories by 2018 (global stocktake) representing \$1 trillion revenues compared to 44 signatories in 2016 representing \$680 billions.



The CEO Water Mandate



BAFWAC Signatories





United Nations
Educational, Scientific and
Cultural Organization



Sustainable
Development
Goals



WATER, MEGACITIES
AND CLIMATE CHANGE

NATURAL SCIENCES



→ Origines de l'Alliance des mégapoles pour l'eau et le climat.

→ Objectifs de l'Alliance des mégapoles.

→ Création d'une Plateforme pour l'Alliance des mégapoles pour l'eau et le climat.

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CHICAGO HO CHI MINH CITY
ISTANBUL KINSHASA LAGOS
LONDON LOS ANGELES MANILA
MEXICO MUMBAI NEW YORK
PARIS SEOUL TOKYO

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- Decentralised cooperation

Cambodia, Vietnam, Togo, Mali, Morocco, Algeria,
Tunisia, Senegal, Ethiopia, Lebanon, Cuba and Haiti

And at COP21: Sao Paulo, Beijing Philippines and Mexico





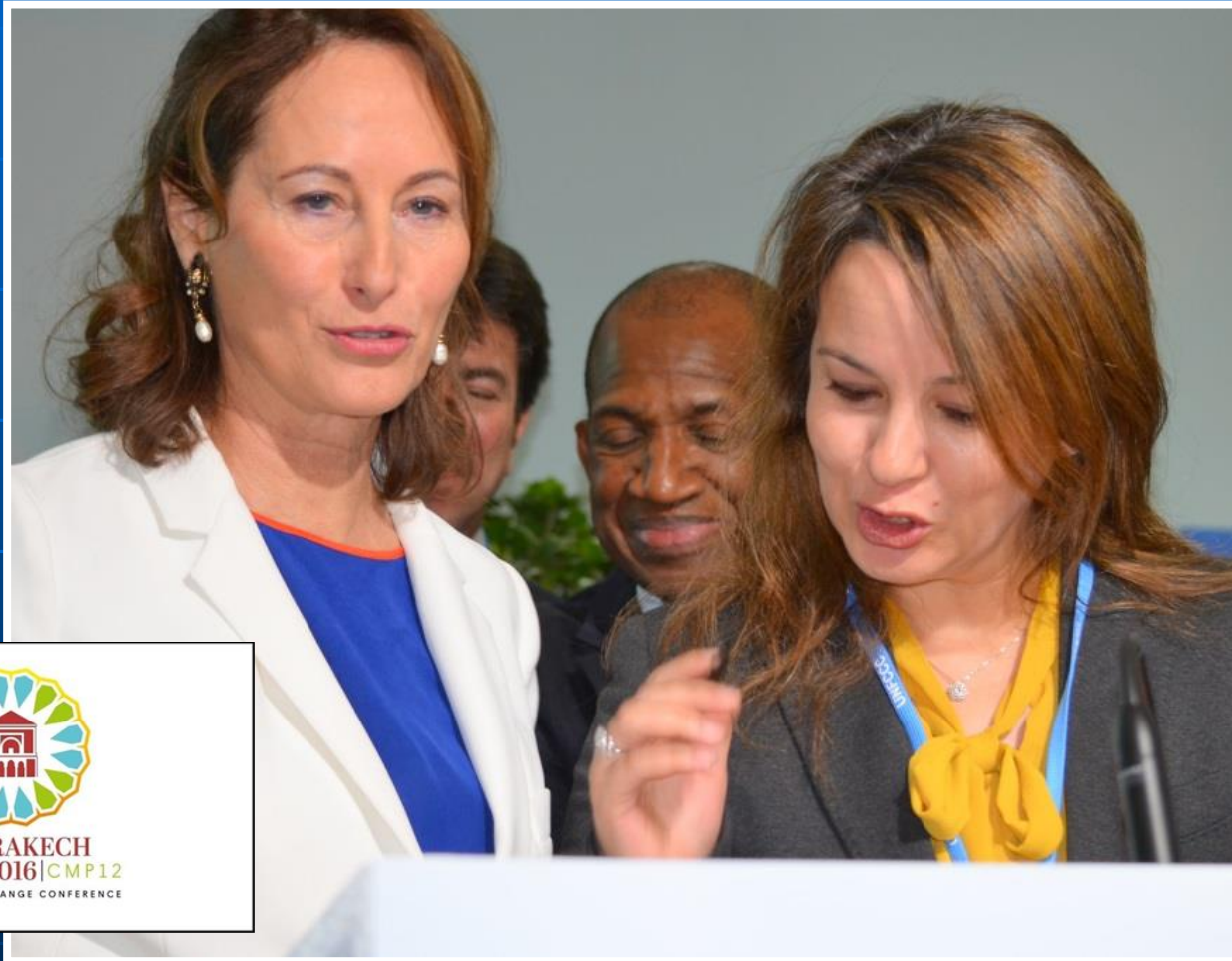
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COP21-CMP11



MARRAKECH
COP22|2016|CMP12
UN CLIMATE CHANGE CONFERENCE



... and in the preparatory process of COP22

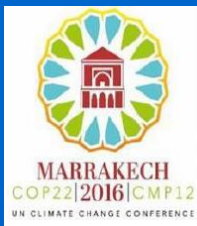


MARRAKECH
COP22|2016|CMP12
UN CLIMATE CHANGE CONFERENCE



WATER AND ADAPTATION
TO THE EFFECTS OF CLIMATE CHANGE
Global Climate Action Agenda





- **WATER SHOWCASE:**
- the “Blue Book on Water and Climate”
- The « Water for Africa » Initiative;
- The « International Network of Parliamentarians for Water»
- Progress made in the initiatives launched during COP21.
- **WATER DIALOGUE:**
- **OUTCOME DOCUMENT OF THE ACTION EVENT ON WATER**

COP22

- The four "Alliances" of Basins, Megacities, Desalination and Business are getting mobilized to support the implementation of the Paris Agreement



The four "Alliances" of Basins, Megacities, Desalination and Business are getting mobilized to support the implementation of the Paris Agreement



OUTCOME DOCUMENT OF THE ACTION EVENT ON WATER

In short term (2017- COP23):



- Confirm the water action day on the Global Climate Action Agenda of the COP.
- Create, within the general framework of the Global Climate Action Agenda, a formally recognized multi-stakeholder dialogue space for the water international community to maintain the momentum of water between COPs and to prepare the Water Action Day.
- Support countries, especially in Africa, in how to include ambitious, credible, and robust water programs in their NDCs for both climate mitigation and adaptation, and to promote the relationship of water in the NDCs and NAPs with the SDG;
- Create a water and energy hub for exchange and capacity building to assist developing countries, African countries in particular;
- Launch two pilot projects related to National Water Information Systems;
- Establish multi-parties dialogues in the pilot hydrographic basins, in order to identify water related challenges and opportunities for collaboration between local actors and also propose adaptation projects in the water sector.

To ensure the follow-up of these dynamic, the Moroccan Ministry of Water will work on the launch of all these short term actions with the coordination of the COP23 Water Action representatives and all international organizations involved in the water sector.

“Paris Pact” flagship projects



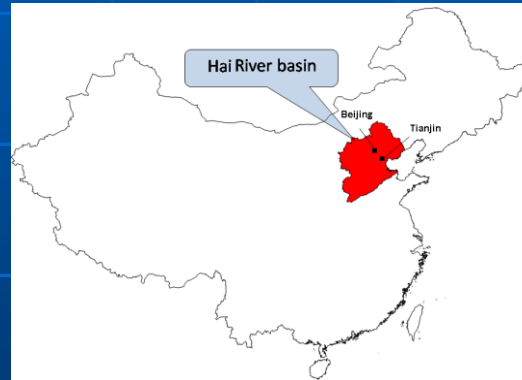
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CHINA – HAI RIVER BASIN Integrated Water resources management And adaptation to climate change.



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



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

District Federal and 60 neighbor Municipalities



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



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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.





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“Paris Pact” flagship projects



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

- **Context:** - Mostly arid region highly vulnerable to climate change,
- Limited investment capacity but significant hydropower and navigation potential.
- **Objective:** **Developing adaptation opportunities through joint investments and benefits sharing**
 - Investments in jointly owned infrastructures,
 - Benefits sharing depending on each States needs (e.g Mali= navigation; Senegal: water for agriculture),
 - Production of a *Climate change action plan for African river* by OMVS as secretary of the ANBO (diagnosis of the African basin organizations needs in terms of adaptation, recommendations of priority actions, 5 year detailed program and budget).
- **Beneficiaries:** Riparian countries (OMVS), African river basin organizations (ANBO).
- **Timeframe:** 2015-2019
- **Funding/commitments:** 11 866 600 €





“Paris Pact” flagship projects

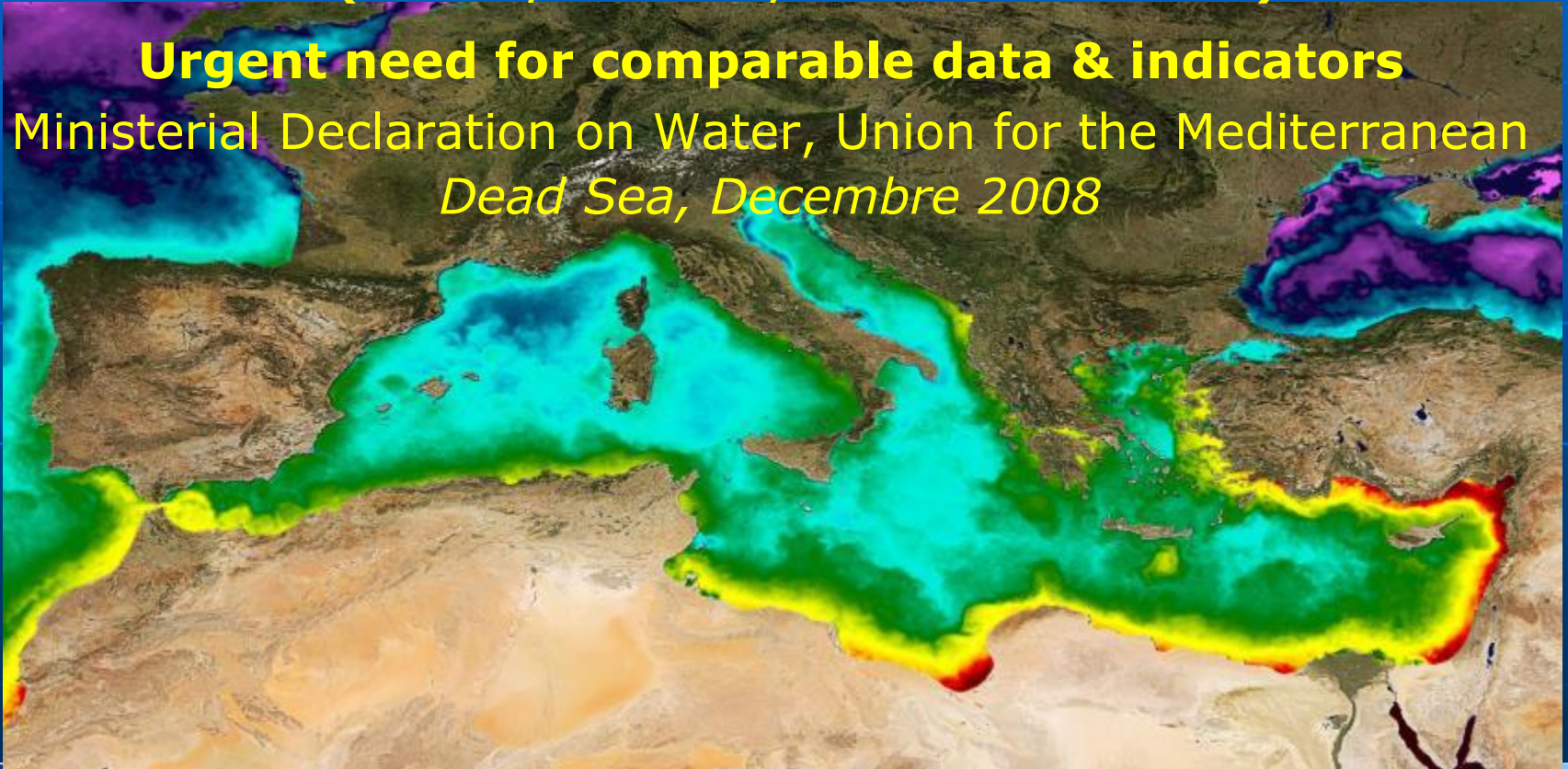


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THE MEDITERRANEAN WATER KNOWLEDGE PLATFORM for adaptation to climate change (Jordan, Lebanon, Morocco & Tunisia)

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Urgent need for comparable data & indicators
Ministerial Declaration on Water, Union for the Mediterranean
Dead Sea, Decembre 2008





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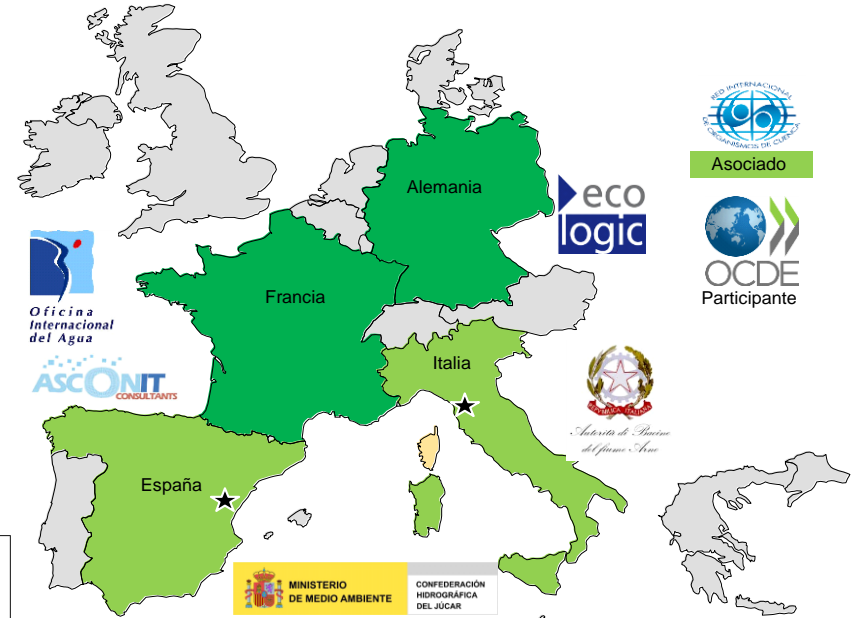
ECOCUENCAS PROJECT



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



- Pilot basins
- Participating Basins
- Others via LANBO

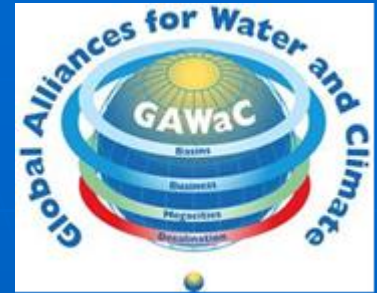


Participants of the project

Défis de l'information sur la dynamique climatique



- Diminution sensible des stations d'observation et collecte des données hydrométéorologiques au sol,
- Difficulté de validation des scénarios des projections globales de changement climatique.



IDENTIFIED WATER AND CLIMATE EVENTS 2017:

- 2- 3 February: Thematic coordination group 'Governance' of the WWF 8th Brasilia, Brazil
- 14-16 February: Official Steering Committee of French Mexican cooperation Mexico City, Mexico
- 1- 3 March: Meeting of pilote basins water and climate UNECE Geneva, Switzerland
- 7-10 March: France-China cooperation project Tianjin, China
- 20-24 March: Cubagua – 1st Meeting of Cuba basin organizations Havana, Cuba
- 5 - 8 April: Rebob and Basin Organizations of Latin America conference Florianopolis / Santa Catarina, Brazil
- 25- 27 April : WWF 8 stakeholders meeting Brasilia, Brazil
- 2 - 5 May: Great Lakes Conference Africa - Entebbe, Uganda
- 10- 11 May: 4th Istanbul International Forum -Istanbul, Turkey
- 29 - 2 May / June: World Congress of the IWRA - Cancun, Mexico