Exposé de
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الشبكة الدولية لهيئات الأحواض
WATER AND ADAPTATION TO THE EFFECTS OF CLIMATE CHANGE
Global Climate Action Agenda
Paris Pact on water and adaptation to climate change in the basins of rivers, lakes and aquifers

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 fresh water into the Global Climate Action Agenda, especially for initiating or strengthening necessary adaptation actions in the basins of rivers, lakes, aquifers, large wetlands as well as coastal areas.

**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.
World Map of the «Paris Pact» signatories

92 countries on all the continents
Paris Pact on water and adaptation to climate change in basins

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?
La Directive – Cadre européenne: le futur de la gestion des ressources en eau!
In the European Union, for the first time in the World, 28 EU countries + 2 adopted The same basin oriented approach!

- **Directives:**
  - Water Framework Directive
  - Groundwater Directive
  - Directive on Environmental Quality Standards (EQS)
  - Urban Waste Water Directive
  - Nitrates Directive
  - Floods Directive

- + quantitative and adaptive water management issues:
  - Communication on Water Scarcity and Drought
  - Policy paper accompanying the White Paper on Adapting to Climate change on Water, Coasts and Marine Issues.
“THE PEER REVIEW MECHANISM”

For mobilizing the practitioners of RBDs and their competent authorities which will voluntarily submit RBMPs to the review performed by experts from other similar authorities of other EU Countries
Pilot Project - Atmospheric Precipitation - Protection and efficient use of Fresh Water: Integration of Natural Water Retention Measures in River basin management
Service contract nº 07.0330/2013/659147/SER/ENV.C1

The NWRM project
Key elements

OIEau, Coordination team
Horizon 2020
Call: H2020-WATER-2015-two-stage
SECOND STAGE
Topic: WATER-1b-2015
Type of action: IA
Proposal number: 689242-2
Proposal acronym: INCOVER

Innovative Eco-Technologies for Resource Recovery from Wastewater

36 Mois – 18 Partenaires européens
France, Allemagne, Portugal, Espagne, Danemark, UK
Améliorer l’efficacité énergétique des eaux de process industriels

10 partenaires:
France, Espagne, UK, Chypre, Irlande, Allemagne, Belgique, Italie

WP1: Identification and analysis of existing information on Energy Efficiency in Industrial Water Processes
WP2: Methodology development and EMSA web-tool design
WP3: Energy Angels network: improving energy managers and auditors skills and visibility
WP4: Strengthen the energy saving market: knowledge transfer
   Benchmarks of energy performance in water process efficiency
   Uptake of cross cutting innovative technologies
WP5: Communication and dissemination
WP6: Project management and dissemination
The European Water Facility for African transboundary rivers.

pilot basins:

Volta
Congo
Afri-Alliance (Afri-EU Innovation Alliance for water and Climate)

Projet européen H2020, 2016-2021 - 16 partenaires


Le projet coordonné par le programme de l’eau de l’Unesco (UNESCO-IHE)
“Paris Pact” flagship projects

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

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

5+5 INITIATIVE
ECOCUENCAS PROJECT

Demonstrate in a practical way the relevance of redistributive mechanisms for integrated water resources management and better resilience;
Carte des projets Agences en cours (15)
MERCI DE VOTRE ATTENTION!
THANK YOU FOR YOUR ATTENTION!

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Réseau International des Organismes de Bassin
International Network of Basin Organizations

الشبكة الدولية لهيئات الأحواض