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9<sup>ème</sup> ASSEMBLEE GENERALE MONDIALE  
DU RESEAU INTERNATIONAL DES ORGANISMES DE BASSIN  
FORTALEZA (BRESIL) – DU 13 AU 16 AOUT 2013



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**RESEAU INTERNATIONAL DES ORGANISMES DE BASSIN**

**INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS**

**RED INTERNACIONAL DE ORGANISMOS DE CUENCA**

**REDE INTERNACIONAL DE ORGANISMOS DE BACIA**

**Международная сеть водохозяйственных организаций**

**الشبكة الدولية لهيئات الأحواض**

**流域组织国际网**



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**9th WORLD GENERAL ASSEMBLY  
OF THE INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS  
FORTALEZA (BRASIL) – FROM 13 TO 16 AUGUST 2013**

**9<sup>ème</sup> ASSEMBLEE GENERALE MONDIALE  
DU RESEAU INTERNATIONAL DES ORGANISMES DE BASSIN  
FORTALEZA (BRESIL) – DU 13 AU 16 AOUT 2013**

**IX ASAMBLEA GENERAL MUNDIAL  
DE LA RED INTERNACIONAL DE ORGANISMOS DE CUENCA  
FORTALEZA (BRASIL) - DEL 13 AL 16 DE AGOSTO DE 2013**

**9<sup>a</sup> ASSEMBLEIA GERAL MUNDIAL  
DA REDE INTERNACIONAL DE ORGANISMOS DE BACIA  
FORTALEZA (BRASIL) - 13-16 AGOSTO DE**



**9th WORLD GENERAL ASSEMBLY  
OF THE INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS  
FORTALEZA (BRASIL) – FROM 13 TO 16 AUGUST 2013**



**流域组织国际网**

**REDE INTERNACIONAL DE ORGANISMOS DE BACIA**

**Международная сеть водохозяйственных организаций,**

**Réseau International des Organismes de Bassin**

**International Network of Basin Organizations**

**Red Internacional de Organismos de Cuenca**

**الشبكة الدولية لهيئات الأحواض**



# INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS

Created in 1994 to facilitate operational exchanges between BO



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188 FULL MEMBERS or PERMANENT OBSERVERS  
in 71 COUNTRIES



# International Network of Basin Organizations



**EUROPE-INBO**  
Group  
of European  
Basin  
Organizations  
for the  
implementation  
of the European  
Water  
Framework  
Directive

Basin  
Organizations

**CEENBO**  
Central  
and Eastern  
European  
Network  
of Basin  
Organizations

Basin  
Organizations

**EECCA-NBO**  
Network  
of Russian-  
speaking  
Basin  
Organizations

Basin  
Organizations

**MENBO**  
Mediterranean  
Network  
of Basin  
Organizations

Basin  
Organizations

**INTBO**  
Network  
of International  
Commissions  
and  
Transboundary  
Basin  
Organizations

International  
Commissions

**ANBO**  
African  
Network  
of Basin  
Organizations

Basin  
Organizations

**LANBO**  
Latin-American  
Network  
of Basin  
Organizations

Basin  
Organizations

**NANBO**  
North-American  
Network  
of Basin  
Organizations

Basin  
Organizations

**NARBO**  
Asian  
Network  
of Basin  
Organizations

Basin  
Organizations

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# International Network of Basin Organizations

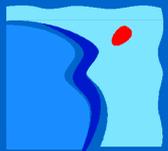


## Liaison Bureau

World President: **High-Commissioner OMVS**

Permanent Technical Secretary: International Office for water





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# 2010 – 2011 - 2012



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## INBO Association

- The progress report of the Network:
  - **The Financial Auditor's reports,**
  
- **Le bilan d'activités du Réseau,**
  - les rapports du Commissaire aux Comptes

## Association RIOB

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**RESEAU INTERNATIONAL DES ORGANISMES DE BASSIN**



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# LA STRATEGIE DE COMMUNICATION

2013 – 2016

# THE COMMUNICATION STRATEGY

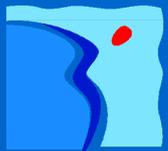
**Christiane RUNEL,**

Directrice de la Communication

Publishing Director

« La Lettre du RIOB – INBO Newsletter »

[info@riob.org](mailto:info@riob.org)



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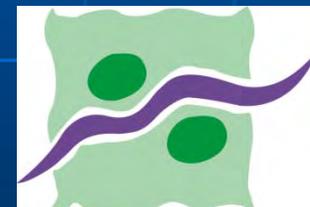
# 9th WORLD GENERAL ASSEMBLY OF THE INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS FORTALEZA (BRASIL) – FROM 13 TO 16 AUGUST 2013



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## Progress reports of the Regional Networks for:

- ❖ Africa,
- ❖ Americas,
- ❖ Europe,
- ❖ the Mediterranean,



# The « World Pact for better basin management »



## « Pacto para uma melhor gestão das bacias »

## Le « Pacte pour une meilleure gestion de bassin »

International Network Of Basin Organizations

International Office For Water PARIS-FRANCE

### Red Internacional dos Organismos da Bacia

#### Pacto Mundial para uma melhor gestão das bacias

Nós, representantes de organismos de bacia de rios, de lagos ou de aquíferos, em diferentes partes do mundo, aderimos ao presente "Pacto Mundial para uma melhor gestão das bacias", para desenvolver a gestão integrada e solidária dos recursos em água, à escala das bacias nacionais, regionais e transfronteiriças e responder aos desafios que o nosso planeta deve enfrentar.

Effectivamente, temos de alcançar os Objectivos do Milénio para o Desenvolvimento, garantir um "crescimento verde" e enfrentar as mudanças globais ligadas ao aumento rápido da população mundial, às migrações, à urbanização crescente, à mudança climática, etc.

Para 2: **DECLARAÇÃO PRELIMINAR**  
Pela nossa adesão a este Pacto, reconhecemos:

- Que as bacias dos rios, lagos e dos aquíferos são os territórios apropriados para a organização da gestão solidária dos recursos em água;
- Que os diferentes ecossistemas presentes nas bacias vertentes têm uma grande importância tanto para a biodiversidade como para os serviços ambientais prestados, nomeadamente para a regularização dos ciclos hidrológicos e a prevenção dos riscos, bem como para a depuração das poluições;

- Que as bacias dos rios, lagos e aquíferos transfronteiriços devem serm sujeitos a um diálogo;
- Que a criação e o desenvolvimento de estruturas de diálogo, a cooperação, a troca de informações, a realização de projectos conjuntos e a prevenção de potenciais conflitos são essenciais para a gestão integrada e solidária dos recursos em água;
- Que convém estabelecer estruturas de diálogo, a cooperação, a troca de informações, a realização de projectos conjuntos e a prevenção de potenciais conflitos são essenciais para a gestão integrada e solidária dos recursos em água;
- Que é necessário desenvolver estruturas de diálogo, a cooperação, a troca de informações, a realização de projectos conjuntos e a prevenção de potenciais conflitos são essenciais para a gestão integrada e solidária dos recursos em água;

### International Network of Basin Organizations

#### World Pact for better basin management

Gathered in Marrakech on the occasion of the 9th World Water Forum on 16 March 2012, we, representatives of river, lake or aquifer basin organizations, from different parts of the world, subscribe to the present "World Pact for better basin management" in view of the development of integrated and joint water resources management at the national, regional and transboundary level to meet the challenges facing our planet.

- It is becoming imperative to introduce and/or permanently strengthen new forms of governance of water resources, such as those already recommended in Dublin (1991), Rio (1992), Paris (1998), The Hague (2000), Johannesburg (2002), Kyoto (2003), Mexico (2006) and Istanbul (2009) in particular;
- River, lake and aquifer basins are the relevant territory for the organization of joint management of water resources, aquatic ecosystems, and all the water-related activities;



### Red Internacional de Organismos de Cuenca

#### Pacto Mundial para una mejor gestión de las cuencas

Reunidos en Marrakech con motivo del IX Foro Mundial del Agua de marzo de 2012, nosotros, representantes de organismos de cuencas de río, lago o acuífero de distintas partes del mundo, adherimos al presente "Pacto Mundial para una mejor gestión de las cuencas" con el fin de que se desarrollen la gestión integrada de los recursos hídricos a escala de cuencas y acuíferos nacionales, regionales y transfronterizos, y así responder a los retos a los que debe enfrentarse nuestro planeta.

- Es necesario crear o reforzar los mecanismos administrativos para facilitar las iniciativas de multilaterales en este sector estratégico de la gestión de las cuencas;
- Los protagonistas de la sociedad civil y las autoridades locales han de ser asociados mejor e implicados en la gestión de las cuencas desde sus territorios;
- Es necesario reforzar la cooperación entre los organismos de cuenca del mundo entero y de cada región para facilitar la transferencia de experiencias y del conocimiento de las mejores prácticas con respecto a la gestión de cuencas y su adaptación en los diferentes contextos.

### Réseau International des Organismes de Bassin

#### Pacte Mondial pour une meilleure gestion des bassins

Nous, représentants d'organismes de bassin de fleuves, de lacs ou d'aquifères, de différentes parties du monde, adhérons au présent "Pacte Mondial pour une meilleure gestion des bassins", en vue de développer la gestion intégrée et solidaire des ressources en eau, à l'échelle des bassins nationaux, régionaux et transfrontières, et répondre aux défis que notre planète doit affronter.

- Il est nécessaire de créer ou de renforcer les mécanismes dédiés à la gestion des ressources en eau et des milieux aquatiques et d'une façon générale du "grand cycle" de l'eau;
- Il est utile d'établir ou de renforcer des cadres institutionnels pour faciliter les initiatives bi ou multilatérales dans ce domaine de la gestion de bassin;
- Les acteurs de la société civile et les communautés locales doivent être mieux associés et impliqués dans la gestion des bassins à leur échelle;
- Il faut renforcer la coopération entre les organismes de bassin du monde entier et de chaque région pour faciliter le transfert d'expériences et de savoir-faire et les meilleures pratiques en matière de gestion de bassin et leur adaptation dans différents contextes.





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# INBO ACTION PLAN



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## LE PLAN D'ACTION DU RIOB

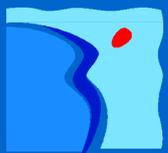
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# “DEVELOPING AND STRENGTHENING RIVER BASIN ORGANIZATIONS”

ASSOCIATED PROGRAM :  
“DEVELOPING AND STRENGTHENING  
RIVER BASIN ORGANIZATIONS”



PROGRAMME ASSOCIE :  
“DEVELOPPER ET RENFORCER  
LES ORGANISATIONS DE BASSIN”



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# INBO ACTION PLAN



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## LE PLAN D'ACTION DU RIOB

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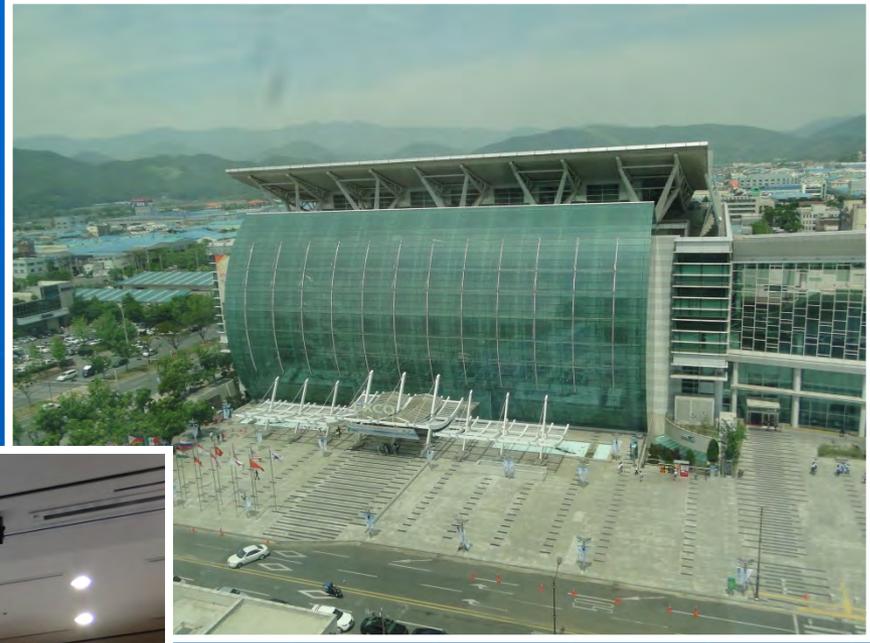
**NOUVELLES ACTIVITES  
NEW ACTIVITIES**

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**“DEVELOPING AND STRENGTHENING  
RIVER BASIN ORGANIZATIONS”**



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# 7th World Water Forum Kick-off Meeting



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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





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## First Meeting of the OECD Water Governance Initiative

27-28 March 2013

OECD Headquarters –Paris -France



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The European Framework Directive:  
the future of water resource management.



# CIS Achievements

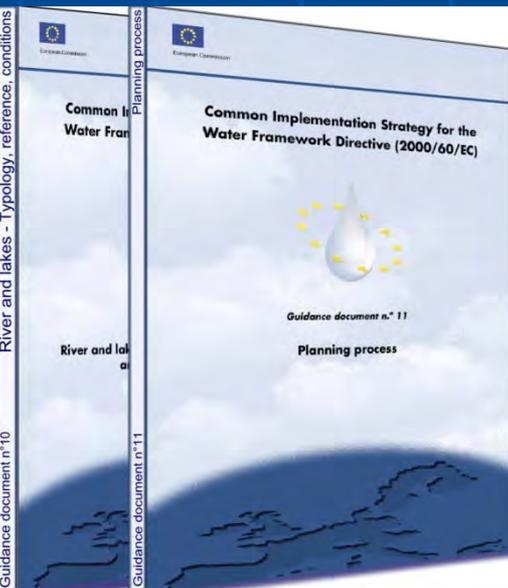


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## 17 Guidance Documents

- 1) Economics and the Environment
- 2) Identification of Water Bodies
- 3) Analysis of Pressures and Impacts
- 4) Artificial and Heavily Modified Water Bodies
- 5) Transitional and Coastal Waters –Typology, Reference Conditions
- 6) Intercalibration Network and the Intercalibration Process
- 7) Monitoring
- 8) Public Participation
- 9) GIS and the WFD
- 10) Rivers and Lakes Typology
- 11) Planning Process
- 12) Wetlands
- 13) Classification
- 14) Reporting
- 15) Groundwater protection;
- 16) prevention of groundwater pollution
- 17) characterisation of coastal waters

Guidance document n°1	Economics and the environment The implementation challenge of the WFD
Guidance document n°2	Identification of Water Bodies
Guidance document n°3	Analysis of Pressures and Impacts
Guidance document n°4	Identification & Designation of Heavily Modified & Artificial Water Bodies
Guidance document n°5	Transitional and Coastal Waters
Guidance document n°6	Towards a guidance on establishment of the intercalibration network and the process on the intercalibration exercise
Guidance document n°7	Monitoring under the Water Framework Directive
Guidance document n°8	Public Participation in relation to the WFD
Guidance document n°9	Implementing the Geographical Information System Elements (GIS) of the Water Framework Directive
Guidance document n°10	River and lakes - Typology, reference, conditions
Guidance document n°11	Planning process





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# Memorandum of Understanding



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- International River Foundation,
- **International Commission for the Protection of the Danube,**
- The gef/ Global Environment Facility's  
International Waters Learning Exchange and Research Network (IW:LEARN)
- **INBO,**
- The Great Rivers Partnership, led by The Nature Conservancy







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AQUA MADRE



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# « INBO ACADEMY »





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FORTALEZA (BRASIL) – FROM 13 TO 16 AUGUST 2013**

# « DECLARATION OF FORTALEZA »

"Better water management at river basin level to face the large world challenges"



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WATER OVER THE WORLD,  
A worrying situation:

- Natural hazards are poorly controlled,
- Wastage is inadmissible,
- Water pollution is significantly increasing,
- The situation of the poorest people is intolerable,
- Ecosystems are destroyed...

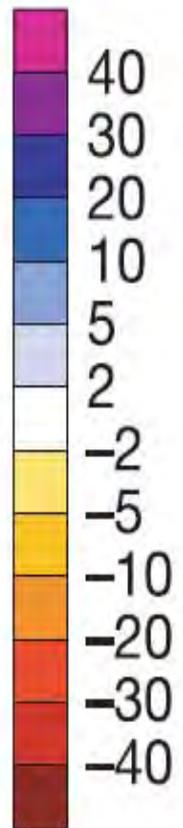
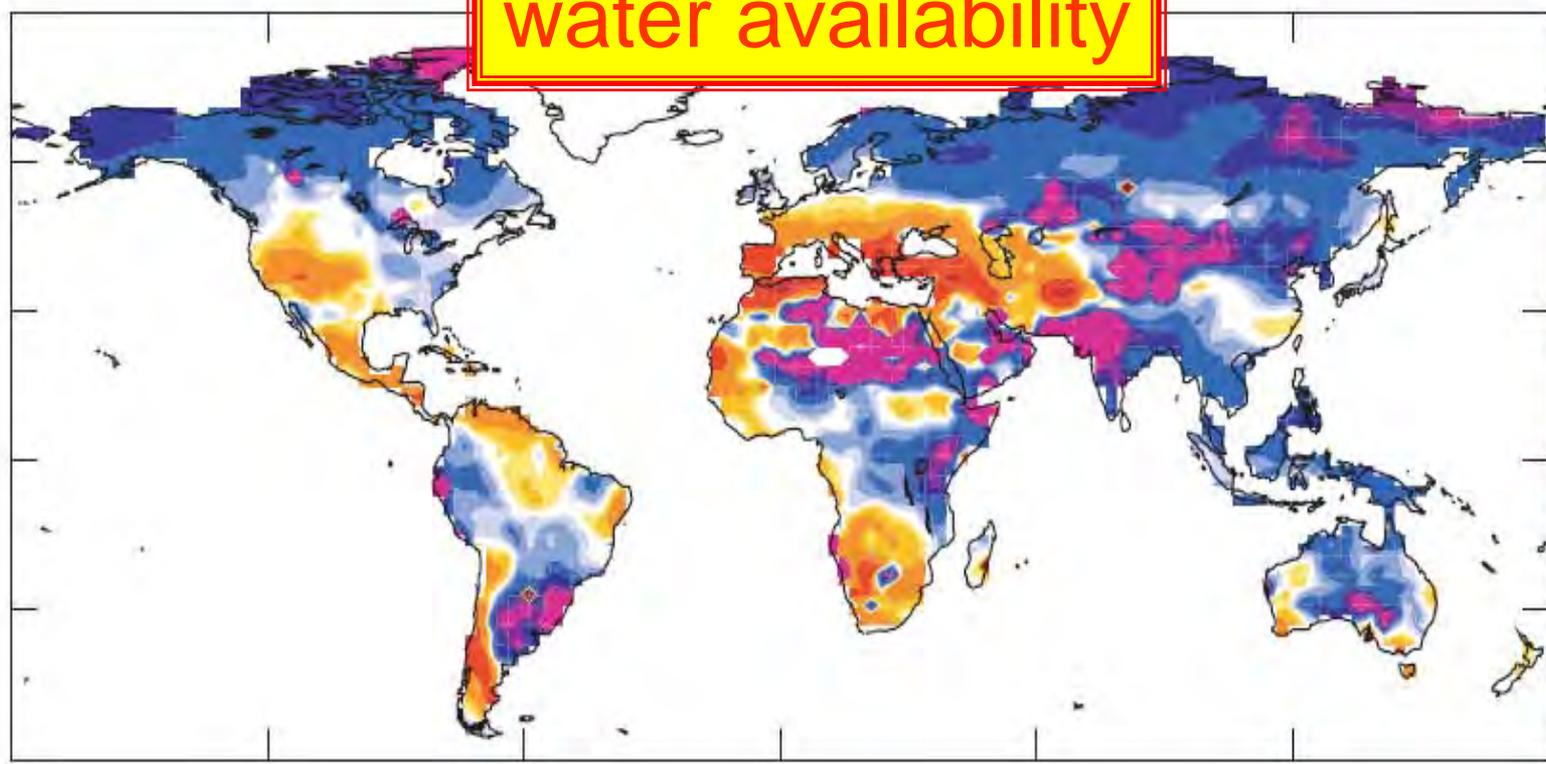
**Wastage and pollution of inland freshwater  
might limit development  
in most countries of the world!**

**Global warming cannot now be avoided.**  
Fresh water resources will be directly affected in the coming years!



a

water availability



**% change in runoff by 2050**

- Many of the major "food-bowls" of the world are projected to become significantly drier
- Globally there will be more precipitation
- Higher temperatures will tend to reduce run off
- A few important areas drier (Mediterranean, southern South America, northern Brazil, west and south Africa)

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## TWO HUNDRED AND SEVENTY SIX RIVERS OR LAKES AND HUNDREDS OF AQUIFERS ARE TRANSBOUNDARY ONES

<i>Transboundary basins per continent.</i>			<i>Pourcentage du territoire</i>
<i>Afrique</i>		59	62 %
<i>Asie</i>		57	39 %
<i>Europe</i>		69	54 %
<i>Amerique du Nord</i>		40	35 %
<i>Amerique du Sud</i>		38	60 %
<b><i>TOTAL</i></b>		<b>276</b>	<b>45 %</b>



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## DEFINING ROLES AND RESPONSIBILITIES OF EACH:



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- **A clear legal framework** must specify, in each country, the rights and obligations, the possible levels of decentralization, the institutional responsibilities of the different stakeholders, the processes and means needed for good water governance,

« UPSTREAM-DOWNSTREAM » COMMON CAUSE  
ON THE SCALE OF BASINS AND SUB-BASINS



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# Basin Management and Transboundary cooperation



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The key of success is a strong political support....

- As regards large transboundary rivers, lakes or aquifers cooperation agreements should be signed by riparian countries and management plans designed at the level of the whole basin, especially in International or transboundary Commissions, Authorities or Organizations.



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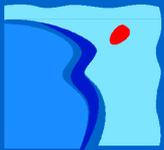


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23 October 2000



The European Framework Directive:  
the future of water resource management  
In the European Union.



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## Implementation of the UN Convention

for the international water courses management  
in Europe – HELSINKY 1992

is also a major milestone for promoting the  
principles of good governance





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# BASIN ORGANIZATIONS AND IWRM



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According to the needs, local situations and history,

- Various formulas were adopted to organize some of the functions useful for water management at the level of the basins (Organizations listed by INBO),
- There is a great diversity in the mandates and selected options.



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**water resources management should be organized:**

**1) on the scale of local, national, transboundary  
basins of rivers, lakes and aquifers;**



**River basins are natural units, where water runs,  
on the ground and in sub-soil**



# All kinds of water Are taken into consideration



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- \* surface waters
- \* groundwater



- \* transitional water
- \* coastal waters



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RIVER BASIN MANAGEMENT EXPERIENCED  
A QUICK DEVELOPMENT IN MANY COUNTRIES



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# INTEGRATED WATER RESOURCE MANAGEMENT

- OVERALL MEETING OF RATIONAL AND LEGITIMATE DEMANDS
  - Agriculture
  - Domestic uses
  - Industry
  - Fish farming
  - Electricity
  - Transports
  - Leisure
  - Fishing
- WASTEWATER TREATMENT AND RECYCLING,
- CONSERVATION OF ECOSYSTEMS:  
rivers, lakes, wetlands, aquifers, costal areas,
- RISK PREVENTION :
  - Erosion
  - Drought
  - Floods



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# ARE CONCERNED ALL MAJOR WATER USES

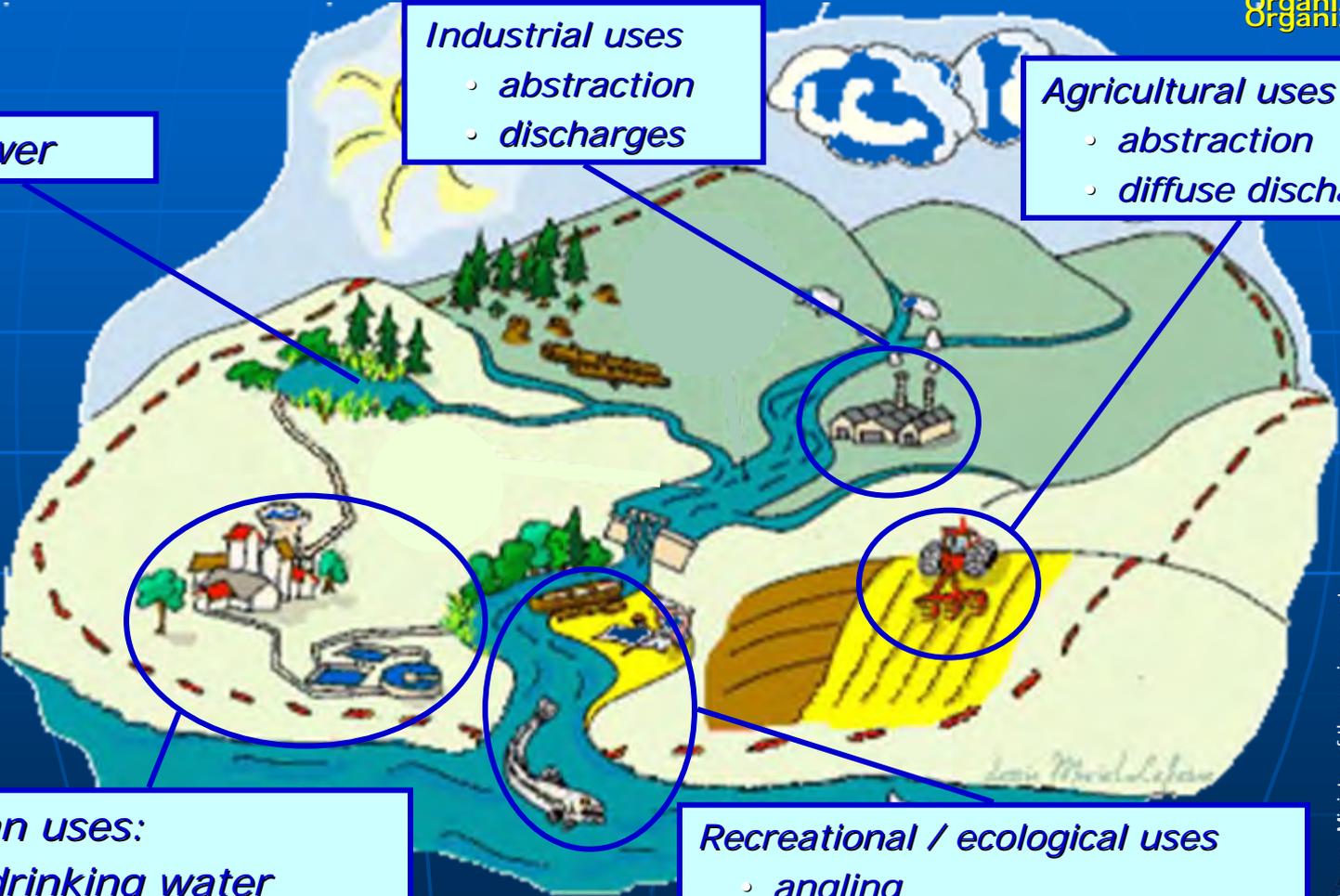
hydropower

**Industrial uses**

- abstraction
- discharges

**Agricultural uses**

- abstraction
- diffuse discharges



**Urban uses:**

- drinking water supply
- wastewater treatment

**Recreational / ecological uses**

- angling
- bathing...



# FLOOD CONTROL: PROTECTION, FORECAST, PREVENTION.



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**PROTECTION AGAINST FLOODS  
MUST PASS THROUGH A COORDINATED APPROACH,  
COMBINING, ON THE SCALE OF BASINS AND SUB-BASINS:**

Protecting people and properties,  
Reducing vulnerabilities,

- *Restoring the free flow of rivers,*
- *Preserving - rehabilitating the natural flooding areas,*

Foreseeing hazardous events,

- *Identification of hazardous areas,*
- *Prohibition of buildings in the exposed areas,*

Warning and educating.



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## WITH REGARD TO DROUGHTS:



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- WATER SAVING,
- AVOIDING WASTAGES,
- LEAK DETECTION,
- RECYCLING,
- THE REUSE OF TREATED WASTE WATER,
- GROUNDWATER RECHARGE,
- THE DESALINATION OF SEA WATER,
- RESEARCH ON LOW-CONSUMPTION USES...

**... MUST BECOME PRIORITIES.**

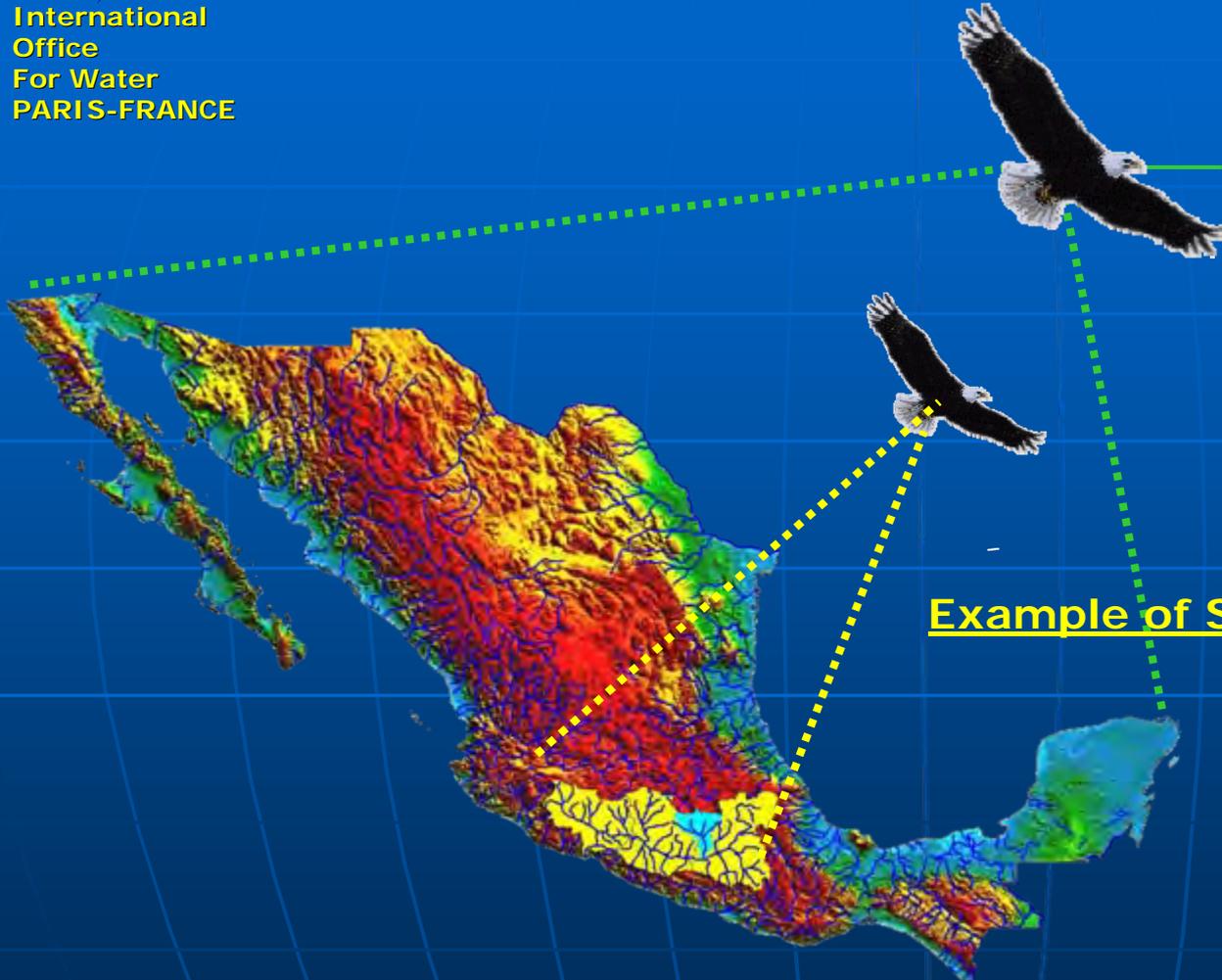


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**water resources management should be organized:**



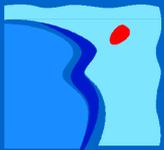
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Example of SINA and SIRA in Mexico

## 2) based on integrated information systems,

allowing knowledge on resources and their uses, polluting pressures, ecosystems and their functioning, the follow-up of their evolutions and risk assessment.



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## Conflicts

requirements collected  
from each point of view



Designing a program  
through **dialogue**

Reaching **agreement**  
with an ambitious program

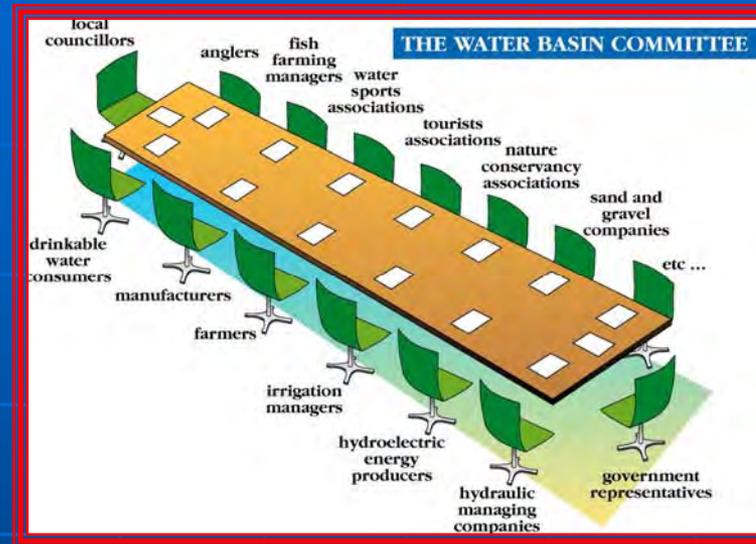




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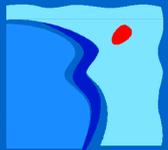
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### 3) with the participation in decision-making

of the concerned Governmental Administrations and local Authorities, the representatives of different categories of users and associations for environmental protection or of public interest, especially, in Basin Councils or Committees.

- Information, awareness and education of populations or users and of their representatives are essential,



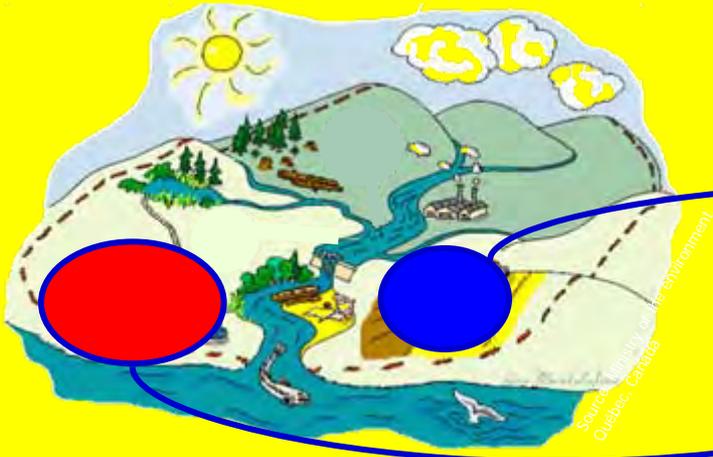
# water resources management should be organized:



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in  
Water  
Resources  
Management

2004

## Description of the initial situation

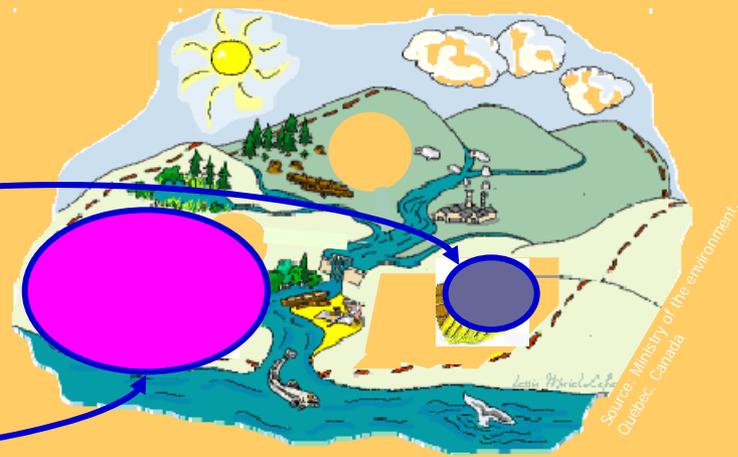


Focus on economic aspects:

- estimate the economic "weight" of water uses and services
- assess the level of recovery of costs of water services

2015

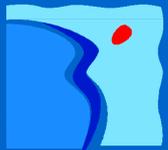
## Baseline scenario: projection for 2015



Baseline scenario:

- appraisal of evolutions of uses, pressures...
- identification of potential gaps in water status with GES

**4) based on management plans or master plans**  
that define the medium and long-term objectives to be achieved;



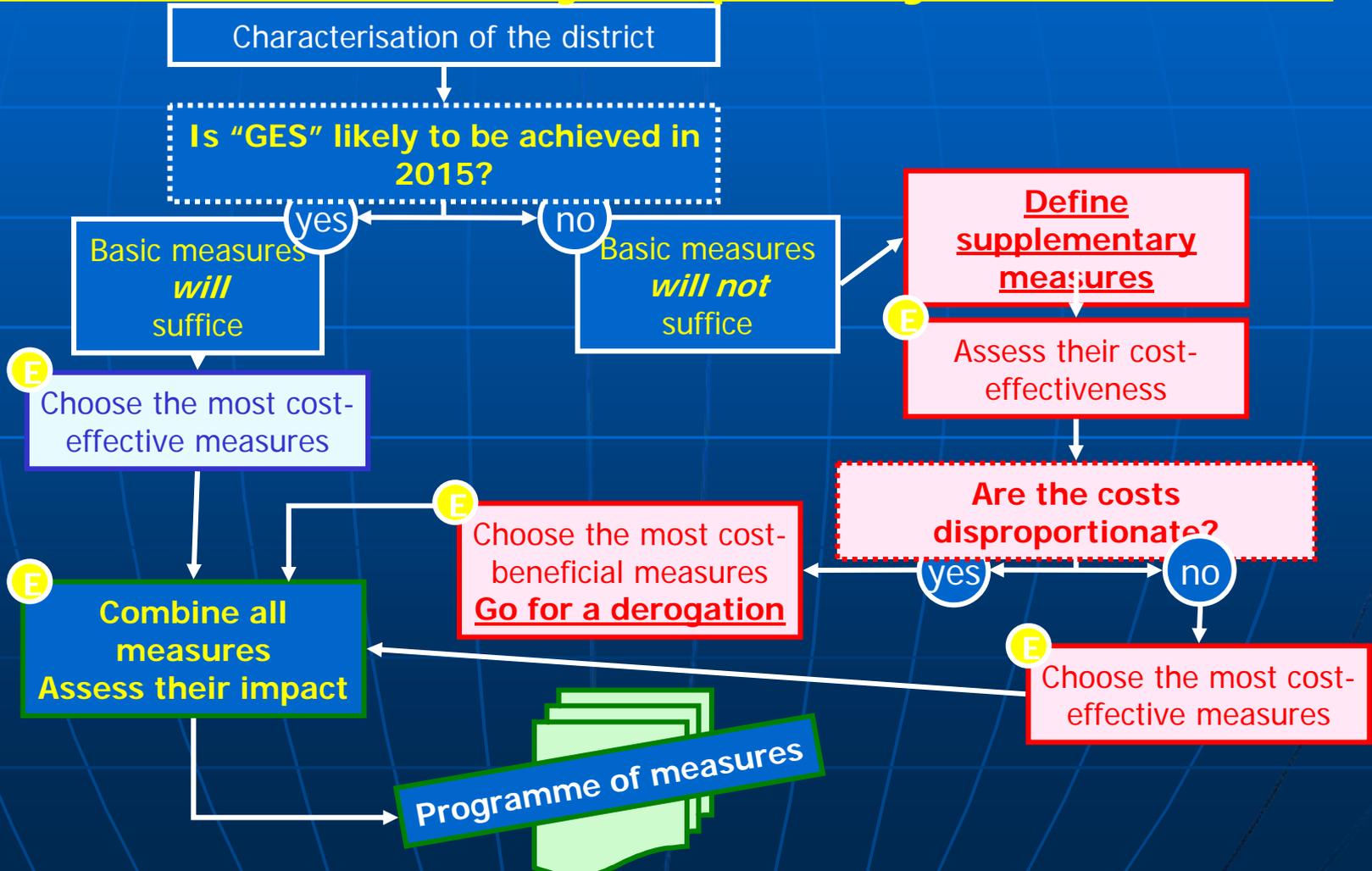
water resources management should be organized:



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# 5) through the development of Programs of Measures and multiyear priority investments;





**water resources management should be organized:**



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**6) with the mobilization of specific financial resources,**

## VARIOUS COMPLEMENTARY SYSTEMS FOR COST RECOVERY

**ADMINISTRATIVE TAXES:** paid to the general budget.

- General taxes or penal fines
- New ecological tax.

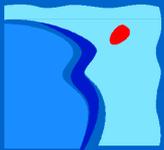
**WATER-RELATED CHARGES:**

- National water charges – transiting through "Special Accounts of the Treasury"
- Basin water charges – levied by the Water Agency

**THE PRICING OF COMMUNITY SERVICES:**

- Price of raw water – levied by big developers
- Price of drinking water – levied by the municipalities or water suppliers

**TRANSFERTS:** International aid or from other economical sectors.



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## NOW WE MAY GO AHEAD FOR BETTER BASIN MANAGEMENT AROUND THE WORLD





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# Investing in IWRM, it pays back!



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MUITO OBRIGADO !!!**

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