

# 2<sup>e</sup> Congrès International L'EAU EN MONTAGNE

Gestion intégrée des Hauts Bassins Versants

MEGÈVE (FRANCE) - 20,21,22,23 SEPTEMBRE 2006

## “Euro-RIOB 2006”





2<sup>e</sup> Congrès International  
**L'EAU EN MONTAGNE**  
Gestion Intégrée des Hauts Bassins Versants  
MEGÈVE (FRANCE) - 20,21,22,23 SEPTEMBRE 2006  
"Euro-RIOB 2006"



**流域组织国际网**

**Международная сеть водохозяйственных организаций,  
Réseau International des Organismes de Bassin  
International Network of Basin Organizations  
Red Internacional de Organismos de Cuenca**

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RESEAU INTERNATIONAL DES ORGANISMES DE BASSIN

**INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS**

RED INTERNACIONAL DE ORGANISMOS DE CUENCA

Международная сеть водохозяйственных организаций

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Paper of  
**Mr. Jean - François DONZIER**  
**General Manager**  
**International Office for Water**

**Permanent Technical Secretary**

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



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# GENERAL ASSEMBLY

*The Martinique, 24 – 28 January 2004*

## « DECLARATION OF TROIS-ILETS »



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Implementation of  
the European Water Framework Directive  
in the 25 countries  
of the enlarged European Union,  
as well as in the candidate countries for accession,  
is a major milestone for promoting the principles  
of good governance advocated by INBO.

This theme is a priority for mobilizing its members,  
not only in Europe  
but also in all other interested countries.

Directive 2000/60/EC of 23 October 2000  
*establishing a framework for the Community action in the field of water policy.*



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# the European Water Framework Directive



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## VERY AMBITIOUS CHALLENGES:

- PREVENTING THE DETERIORATION OF WATER RESOURCES,
- REDUCING THE EMISSIONS OF SUBSTANCES,
- ACHIEVING A "GOOD STATUS" FOR WATER AND AQUATIC ENVIRONMENTS.



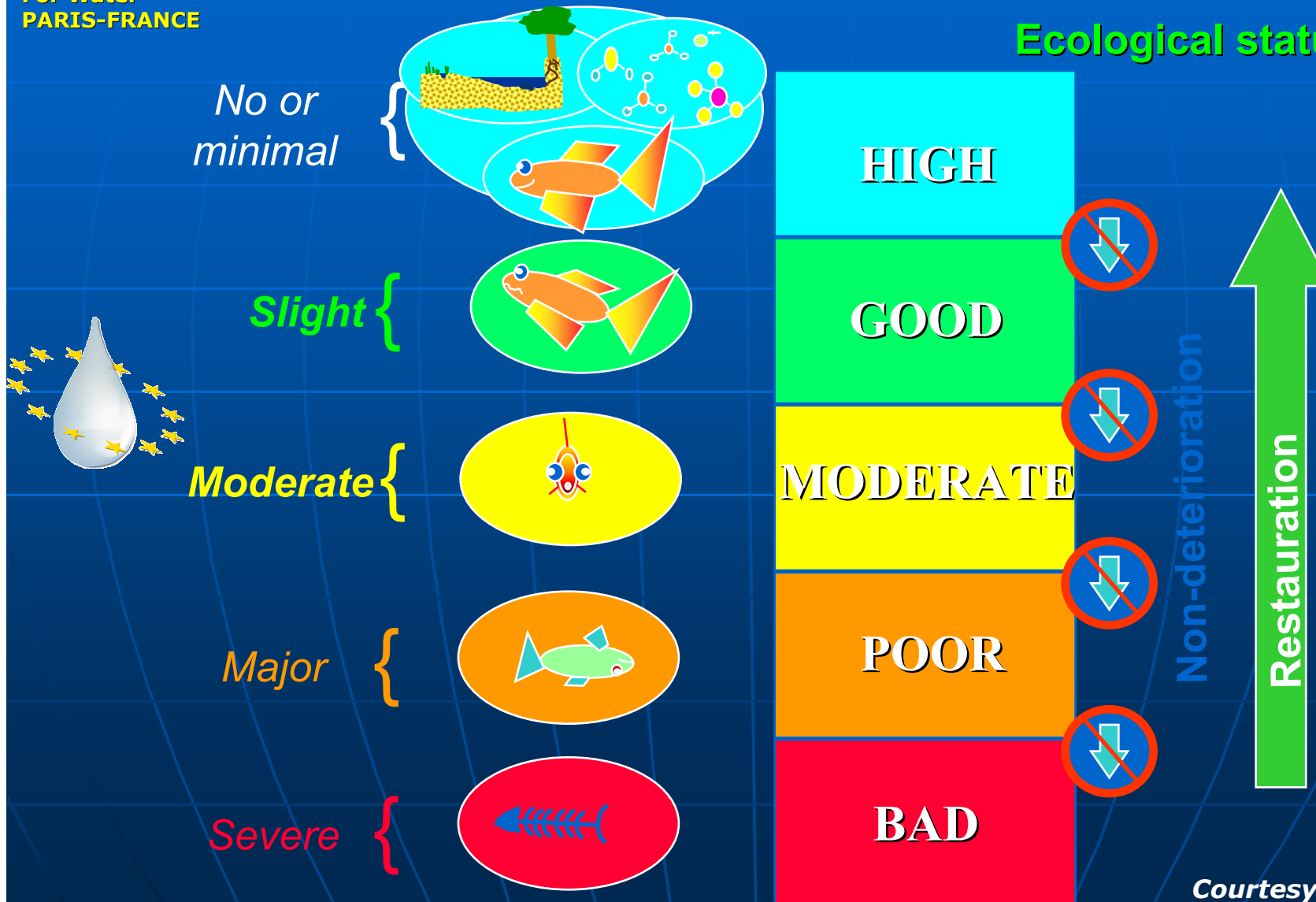
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# Ecological objectives

## Ecological status



Courtesy Peter Pollard





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As everything is linked in each Water Body,

**for a real implémentation of the WFD,**

**it's important to take into account :**

- not only the problems of quality of water and the environments,
- **BUT,** all the aspects of water management and their impacts,
- **AND,** in particular, obvious interfaces with navigation, energy production, the prevention and protection against floods and droughts,



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## **VARIOUS KEY PRINCIPLES:**



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- **THE NEED FOR INTEGRATED WATER POLICY,**
- **A RIVER BASIN APPROACH,**
- **THE PRINCIPLES OF PRECAUTION AND PREVENTIVE ACTION, AS WELL AS THE PRINCIPLE OF PRIORITY REMEDIAL MEASURES AT THE SOURCE OF THE THREATS TO THE ENVIRONMENT,**
- **A COMBINED APPROACH BY DEFINING EMISSION LIMIT VALUES AND ENVIRONMENTAL QUALITY STANDARDS,**
- **THE "POLLUTER-PAYS" PRINCIPLE,**
- **THE PRINCIPLE OF THE RECOVERY OF COSTS OF SERVICES LINKED TO WATER USE INCLUDING ENVIRONMENTAL AND RESOURCE COSTS,**
- **DECISION MAKING "AT A LEVEL AS CLOSE AS POSSIBLE TO THE SITES OF WATER USE AND DEGRADATION",**
- **INVOLVEMENT OF THE PUBLIC AS A CONDITION FOR SUCCESS.**



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## All the river basins in Europe are concerned:



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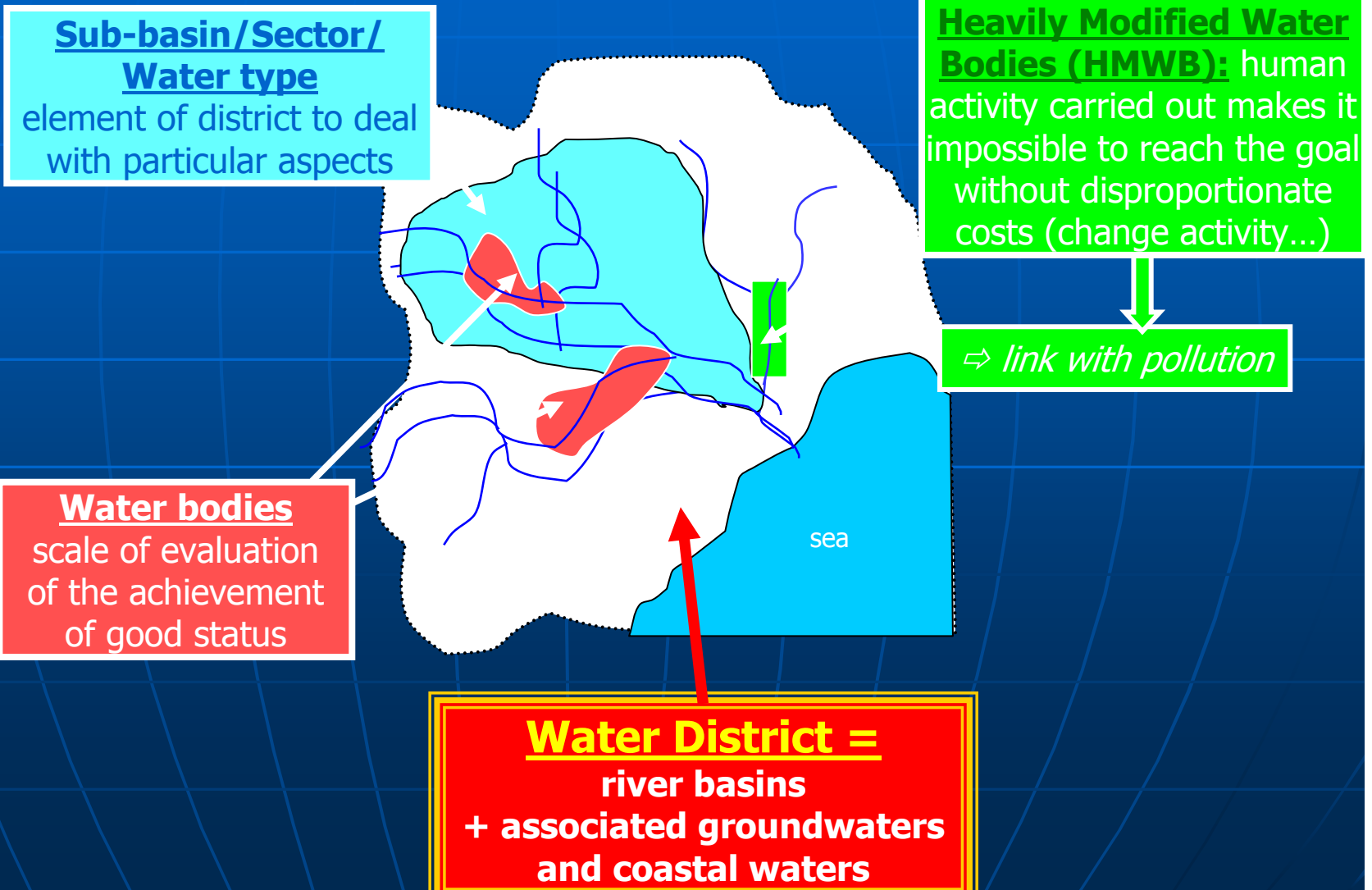


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# THE DIFFERENT HYDROLOGICAL SCALES



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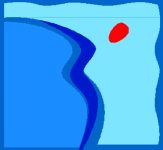
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## *Transboundary basins per continent.*

	<i>2002</i>	<i>Pourcentage du territoire</i>
<i>Afrique</i>	<i>59</i>	<i>62 %</i>
<i>Asie</i>	<i>57</i>	<i>39 %</i>
<i>Europe</i>	<i>69</i>	<i>54 %</i>
<i>Amerique du Nord</i>	<i>40</i>	<i>35 %</i>
<i>Amerique du Sud</i>	<i>38</i>	<i>60 %</i>
<i>TOTAL</i>	<i>263</i>	<i>45 %</i>



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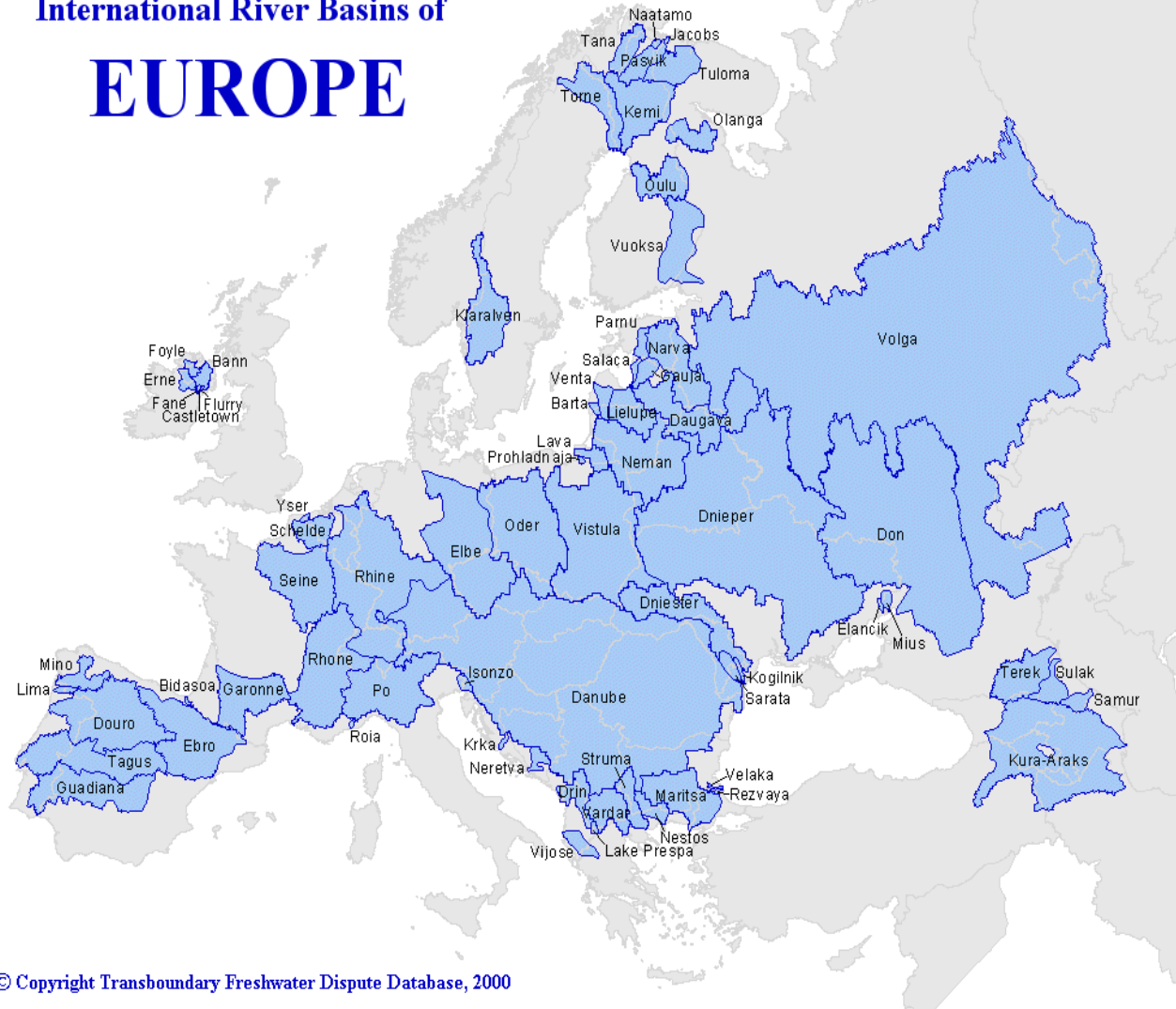
# A lot of them being transboundary ones!



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**International River Basins of**

## **EUROPE**





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# AN OBLIGATION OF RESULT



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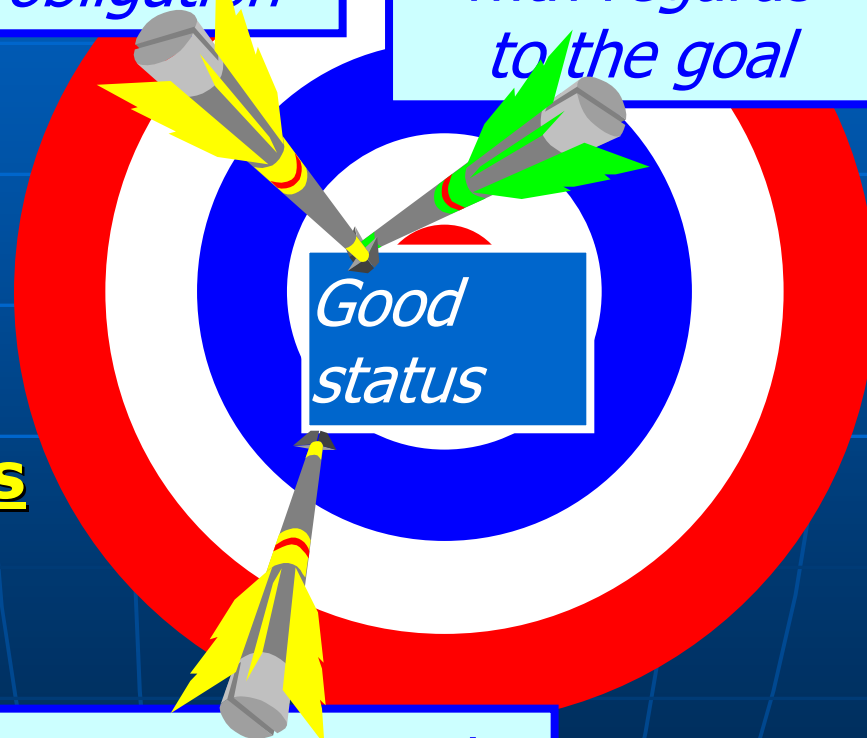
*General  
obligation*

*Actions defined  
with regards  
to the goal*

*Good  
status*

*Derogations to be  
justified*

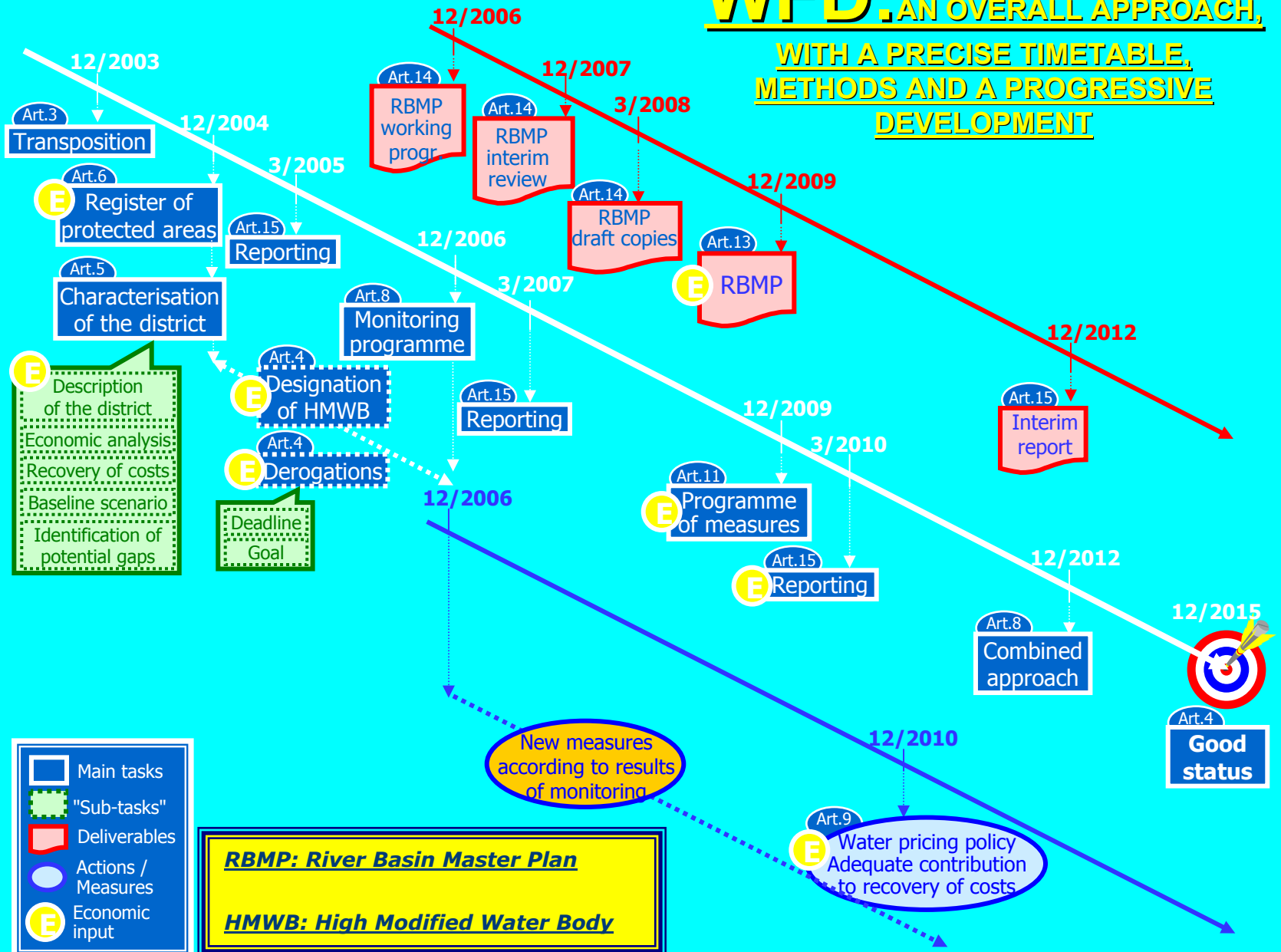
Achieving  
a "good status"  
for surface  
and ground waters  
before 2015





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# WFD: AN OVERALL APPROACH, WITH A PRECISE TIMETABLE, METHODS AND A PROGRESSIVE DEVELOPMENT



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# **INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS**

## **« EUROPE INBO »**



**International  
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**The implementation  
of the Water Framework Directive  
is now in a real and active phase  
for all the Member States  
of the enlarged European Union  
and the candidate Countries.  
and  
directly involves  
the existing Basin Organizations  
or the « Authorities » being created,  
that will be facing many operational problems  
in its field implementation**



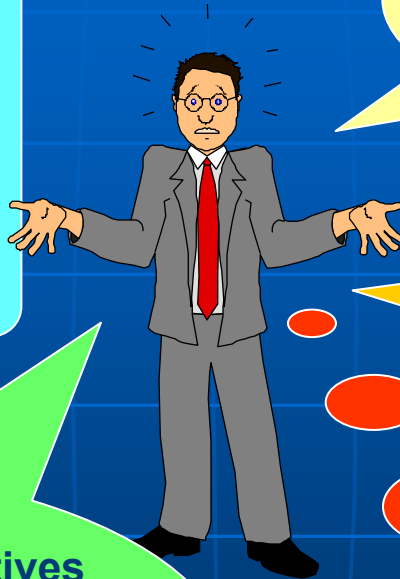
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# Many questions indeed arise!



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Framework  
Directive:  
good status  
for waters  
in the Union  
before 2015



How to define  
'good' ecological  
quality

?

How to define  
the 'sustainable'  
functioning  
of the aquatic  
ecosystems

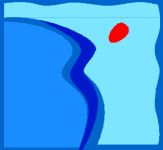
?

How to achieve  
the environmental objectives  
and ensure a consistent  
implementation  
in the Union

?

... And how to ensure  
comparability  
in the classification  
of ecological status  
and of monitoring  
in the Union

?

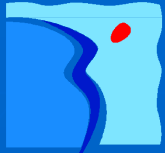


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- **The « EURO-INBO » Group**  
for the implementation  
of the European Water Framework Directive:



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# the « EUROPE INBO » Group



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**Due to the significance of the stakes and the task to be carried out, many Basin Organizations, (INBO members or observers), have expressed the idea of regular meetings among them:**

- ❖ **for exchanging on difficulties encountered, results or very operational and concrete experiences accumulated in the field**
- ❖ **for strengthening the common strategy for an operational implementation of the Water Framework Directive (WFD).**

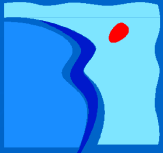
**INTERNATIONAL SEMINAR  
VALENCIA (SPAIN) 11 / 12 NOVEMBER 2003**



MINISTERIO  
DE MEDIO AMBIENTE

SECRETARÍA  
DE ESTADO  
DE AGUAS Y COSTAS

CONFEDERACIÓN  
HIDROGRÁFICA  
DEL Júcar



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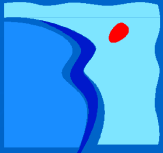
du 29 septembre au 1er octobre  
à Namur (Wallonie – Belgique),  
3ème Assemblée

du « Groupe des organismes de bassins européens  
pour l'application de la Directive-Cadre »,



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En liaison avec le Conseil de l'Europe,  
le Secrétariat International de l'Eau  
et Solidarité – Eau - Europe,

le RIOB était partenaire de la semaine consacrée  
à l'approche citoyenne de la gestion de l'eau,  
à Strasbourg (France), du 17 au 21 Octobre 2005.



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# the Wroclaw workshop on risks prevention, 19 and 20 September 2005



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## **« EUROPE-INBO »**

**has written the chapter on IWRM  
and WFD implementation  
of the European official report**



**MEXICO March 2006  
« IVth World Water Forum »**





## MEXICO March 2006 IVth World Water Forum



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**INBO has organized**  
**3 official sessions:**

**1,250 participants!**

- 1. on the management of transboundary basins,**
- 2. on the implementation**  
**of the European Water Framework Directive,**
- 3. on the participation of the public and**  
**water users in basin management,**

**on 18 March 2006 BANAMEX CENTER,**  
**within the « IWRM » topic**  
**of the 4th World Water Forum.**



# México 2006 IV Foro Mundial del Agua



World Water Council  
Mundo del Agua



CONAGUA  
Comisión Nacional del Agua



Acciones  
locales  
para un  
reto global



M. Mirosław OSTOJKI

Mr. Pascal BERTEAUD

Mr. Benoit LUTGEN

Mr. Jean-Marie WÄLTNER

M. Richard BIRD



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# CIS Achievements



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## Fourteen 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





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## **CIS priorities for 2005-2006:**



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- **Climate Change**
- **Droughts and Floods**
- **Intercalibration exercise**
- **WFD and agriculture**
- **Hydromorphology (hydropower and navigation)**
- **New Pilot River Basin exercise**
- **Reporting and WISE**
- **Priority substances / Chemical monitoring**
- **Cost effectiveness**





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Global Water  
Partnership



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**ASSOCIATED PROGRAM :  
“DEVELOPING AND STRENGTHENING  
RIVER BASIN ORGANIZATIONS”**

**MAIN EXPECTED OUTPUTS**

- ❑ **Direct cooperation established between existing, future or pilot basin organizations through twinning agreements; “TWINBASIN”,**
- ❑ **Mobilization within existing basin organizations of professional assistance capacities in order to facilitate the setting up or development of new basin organizations and the debate on their management options; “PILOT PROJECTS”,**
- ❑ **A synthesis of available knowledge and know-how, of best practices, preparation of recommendations or guidelines and drawing-up of training modules; “IWRMNET” & “WFDLEARN”,**
- ❑ **The networking of water documentation systems to share and get access to useful institutional, legal, economic and technical information at the international level:**

**SEMIDE/EMWIS-Aquadoc-Inter**



**AWIS/SADIEAU?**



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# Associated Programme GWP-INBO



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## 4 main fields of collaboration

### Output 1:

**Promoting Twinning between Basins  
Organizations for Developing Integrated Water  
Resources Management best Practices**

- Direct experiences sharing
- Exchange of decision-makers and technicians....





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# Associated Programme GWP-INBO



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## 4 main fields of collaboration

### □ Output 2:

### ➤ Capacities mobilisation from Basin Organizations:

- Assistance with the implementation of institutional reforms,
- Initiation of basin pilot projects,
- Support to countries sharing a transboundary basin,
- Assisting with the setting-up of new basin organizations,
- Professional training of technical teams,





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# Associated Programme GWP-INBO



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## 4 main fields of collaboration

### □ Output 2:

### ➤ Capacities mobilisation from Basin Organizations

- Design of monitoring networks and databases,
- Assesment to planning process,
- Establishment of institutional mechanisms for users' participation in decision-making,
- Financial and economical studies,
- Assisting with the setting-up of new water taxes ...



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# ➔ A CHALLENGE:

integration of new Member – States  
10 now, 14 or more in the next future?



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In Europe, for the first time in the world,  
27 countries adopted  
The same basin oriented approach!



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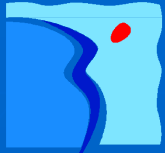
## 4 main fields of collaboration

### □ Output 3:

### ➤ Synthesis of knowledge

### and Know-How:

- To identify good practices,
- To set common, easily accessible and measurable performance indicators,
- To train staff and stakeholders from basin organizations,



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## **Bringing together National and Regional research programmes to develop joint activities**

- ▶ Exchanges of experiences and good practice
- ▶ Research needs assessment on Integrated Water Resources Management brought on by the WFD
- ▶ Common strategic orientations
- ▶ Joint dissemination approaches

## **Common forum and platform for knowledge transfer**

- ▶ To facilitate communication between researchers, water policy makers, research programme managers and water managers
- ▶ To create new RTD/policy interfaces

## **A network based on an interdisciplinary approach**

- ▶ Encompassing social sciences, economics, technical and ecological fields
- ▶ To be extended to other research programme from all member states and neighbouring countries

## **Towards future transnational and transregional research programmes**



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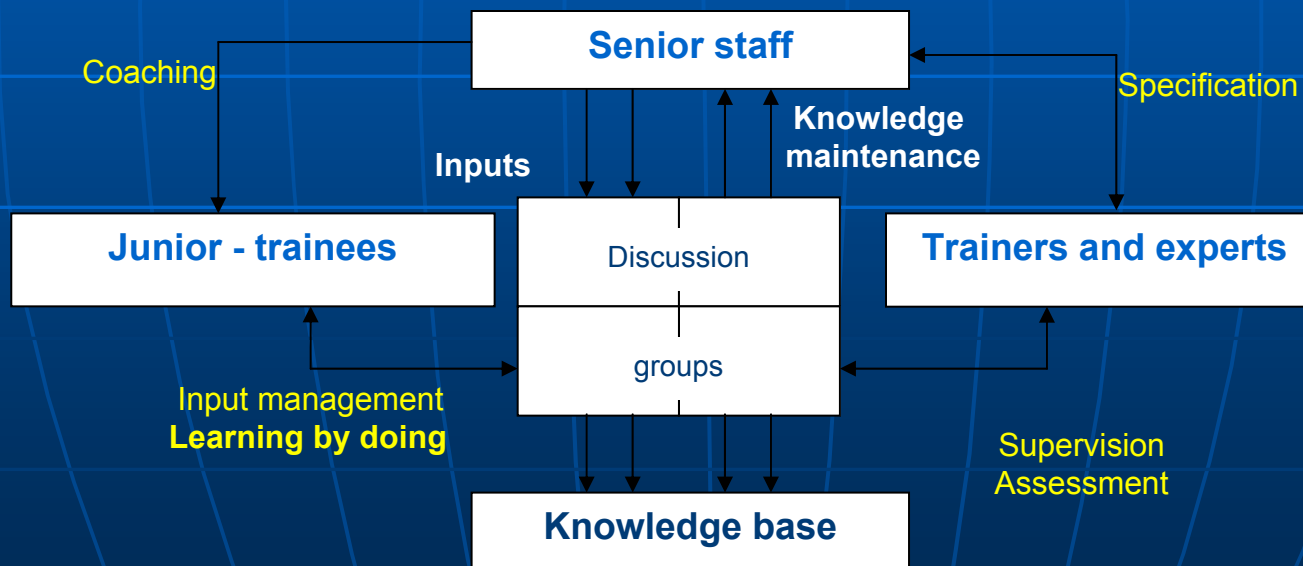


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Project supported by the European Programme Leonardo Da Vinci

# WFD Community:

a Virtual Learning Community for Water professionnals



**The basis of our future internal Virtual "University"**



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## 4 main fields of collaboration

### □ Output 4 :

#### ➤ The networking of water Information- documentation systems

- Exchange of information and documentation,
- Assistance with the structuring of the National Relay Documentation Centers,

#### ➤ **AQUADOC-INTER, SEMIDE or AWIS?**



# “AQUADOC-INTERNATIONAL-CEE”



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# E

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

**Système Euro-  
Méditerranéen**

**d'information sur les  
savoir-faire dans le  
domaine de l'Eau**



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

**Euro-  
Mediterranean**

**Information  
System on know  
how in the water  
sector**



**نظام المعلومات الأورو-  
متوسطي حول المهارات  
في مجال المياه**



EURO-MEDITERRANEAN PARTNERSHIP





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**« La Lettre du RIOB »,  
N°14  
« INBO Newsletter »**



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**Pour l'année 2006 :**

- **le tirage se fait en 3 langues:**
- **anglais, français et espagnol,**
- **15.000 exemplaires seront tirés, dont :**
  - **8.000 ex. en anglais,**
  - **4.500 ex. en français,**
  - **2.500 ex. en espagnol,**
- **la version électronique est téléchargeable sur  
notre site Internet; www.inbo.org**



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Dont:

- **60.000** en **2002**,
- **240.000** en **2003**,
- **330.000** en **2004**,
- **383.000** en **2005**,
- **460.000** sur les derniers **12 mois!!**
- **300.000** en **2006** (mais sur 8 mois seulement!)

Soit, une prévision de 500.000 en un an !!!

Avec un maximum mensuel de:

- **65.500 visites**, en Mars 2006,

Et une moyenne actuelle de:

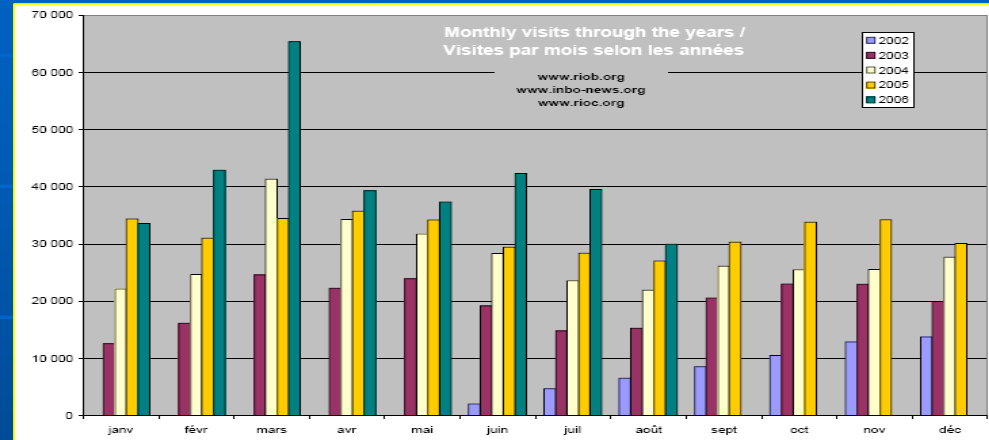
- **37.000 visites par mois!!**

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

Il y a eu **1.340.000** visiteurs,  
depuis son ouverture !!!!!



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**2006**

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Gestion intégrée des Hauts Bassins Versants

MEGÈVE (FRANCE) - 20,21,22,23 SEPTEMBRE 2006

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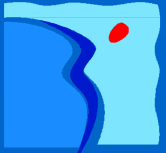
# INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS « EUROPE INBO »



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**MEGEVE – FRANCE  
21 & 22 September 2006**

**Our main objective is now to facilitate  
better implementation  
of the Water Framework Directive,  
within our european members and observers,  
and  
to disseminate its principles and tools  
in an adapted approach  
in other interested countries.**



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# MEGEVE – FRANCE

## 21 & 22 September 2006



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### Four main and current topics on the Framework Directive implementation in the River Basin Districts in particular:

- Compatibility between WFD and infrastructures,
- The taking into account of quantitative problems,
- Monitoring, monitoring networks and reporting,
- Preparation of programs of measures and action plans,
- A special session will deal with the outcomes of the first public enquiry, which has just been completed.



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# International Network of Basin Organisations Réseau International des Organismes de Bassin



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**INBO initiatives are open**  
**to your participation :**  
**your inputs are welcome !**

**<http://www.riob.org>**

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***For developing and strengthening  
basin organizations over the world***

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[riob2@wanadoo.fr](mailto:riob2@wanadoo.fr)

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International Network of Basin Organizations  
Red Internacional de Organismos de Cuenca**

**الشبكة الدولية لهيئات الأحواض**