

An aerial photograph of a town nestled in a valley, with a wide river flowing through it. The town features a prominent church with a tall, dark spire. The surrounding landscape is hilly and green, with some buildings visible on the slopes. The sky is clear and blue.

**« EURO INBO 2005 »
INTERNATIONAL MEETING ON THE IMPLEMENTATION
OF THE EUROPEAN WATER FRAMEWORK DIRECTIVE
NAMUR (WALLOON REGION)**

**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



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« EURO INBO 2005 »
INTERNATIONAL MEETING ON THE IMPLEMENTATION
OF THE EUROPEAN WATER FRAMEWORK DIRECTIVE
NAMUR (WALLOON REGION)



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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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INBO General Objectives:



Réseau
International
des Organismes
de Bassin

Developing and Strengthening

Basin Organizations

For better IWRM





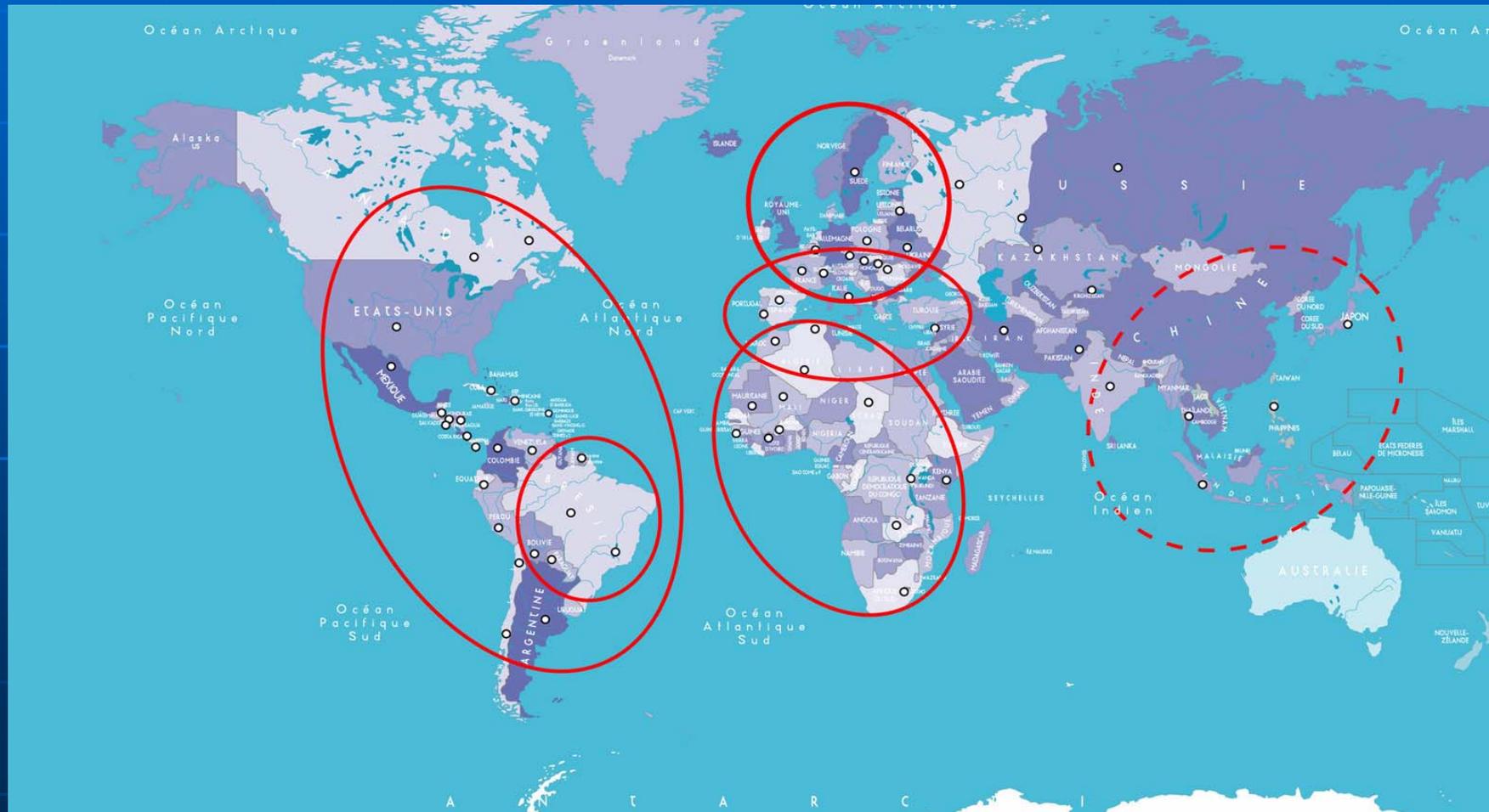
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International Network of Basin Organisations:

158 FULL MEMBERS or PERMANENT OBSERVERS
in 52 COUNTRIES!



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Permanent Technical Secretariat operated by International Office for Water, PARIS



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INBO's REGIONAL NETWORKS



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**INBO member organizations,
belonging to the same geographic region,
may create a "Regional Network",
if they wish so in order to:**

- strengthen relations between member organizations from neighboring countries,
- develop INBO joint activities in the region,
- organize joint activities of regional interest.

- ❖ In Africa = ANBO/RAOB,
- ❖ In Latin America = LANBO/RELOC,
- ❖ In Central and Eastern Europe = CEENBO,
- ❖ In the Mediterranean = MED-INBO/REMOB/REMOC,
- ❑ International Network of Transboundary Basins Organizations
- ❑ "EUROPE INBO" "EURO RIOB" "EURO RIOC"



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International Network of Basin Organisations, MEMBERS:



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- **“Basin Organizations”**, entrusted by relevant public administrations with integrated water resources management at the level of important river basins, either national, federal or transboundary, as well as the cooperation structures they have developed among them.
- **the governmental administrations in charge** or interested in applying integrated and sustainable water resources management:
 - organized at the level of river basins,
 - associating administrations and local authorities, as well as users,
 - having specific budgetary resources at their disposal, obtained by applying the “user-polluter-pays” principle.
- **bi and multilateral co-operation agencies** supporting activities related to integrated and sustainable water resources management at the level of river basins.



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International Network of Basin Organisations, **OBJECTIVES:**



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- to develop relations between organizations interested in comprehensive water resource management at the river basin level,
- to favor exchanges of experiences and expertise among them,
- to promote the principles and means of sound water management in cooperation programs,
- to facilitate the implementation of tools suitable for institutional and financial management, programming, organization of data banks, and for models adapted to the needs,
- to promote information and training programs for the different stakeholders involved in water management as well as for the executives and staff of the member basin organizations,
- to evaluate ongoing actions and disseminate their results.

GENERAL ASSEMBLY

The Martinique, 24 – 28 January 2004

« DECLARATION OF TROIS-ILETS »



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**It is necessary to support
the creation and strengthening
of Basin Organizations
over the world!**

GENERAL ASSEMBLY

The Martinique, 24 – 28 January 2004

« DECLARATION OF TROIS-ILETS »



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- The search for solutions must pass through an integrated approach, organized at the relevant level of basins of rivers, lakes and aquifers, either local, national or transboundary.
- 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.

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- **1-This integrated water resource management at the river basin level,** should aim at meeting, in a holistic, consistent, sustainable and inter - sectoral manner, all essential and legitimate needs, at combating wastage, protecting against risk, preventing pollution, at preserving and rehabilitating ecosystems,



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IWRM

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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- **2-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,



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INTEGRATED WATER RESOURCE MANAGEMENT :

DEFINING ROLES AND RESPONSIBILITIES OF EACH:

Multilateral organizations

International commissions

Central or federal government

Local authorities = states (Federation)
= municipalities
= villages

Large public regional planners

basin organizations?

Water users : = community

= individuals

Civil Society : = enterprises
= researchers
= NGOs



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INTEGRATED WATER RESOURCE MANAGEMENT : MAIN BASIC FUNCTIONS

- ❑ **International agreements**
- ❑ **Legislation - Regulations**
- ❑ **Standardization**
- ❑ **Authorizations for abstraction or discharge - Water policing**
- ❑ **Monitoring**
- ❑ **Follow-up of the environment and uses**
- ❑ **Warning and protection**
- ❑ **Planning**
- ❑ **Funding - Programming**
- ❑ **Investments**
- ❑ **Operation - Maintenance**
- ❑ **Research**
- ❑ **Training**
- ❑ **Information**

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- **3-**The representatives of populations and local authorities, water users or organizations representing collective interest should participate in this management beside administrations, especially, in Basin Councils or Committees.
- Information, awareness and education of populations or users and of their representatives are essential,

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- 4-Basin management plans or master plans should be prepared, through dialogue and transparency, to set the objectives to be achieved in the medium term,

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- **5-Integrated information and monitoring systems** which are reliable, representative, harmonized and easily accessible, and specific research should be organized in each basin,

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- **6-The establishment of specific financing systems, based on the consumers and polluters' contribution and common cause, is required in each basin to ensure the implementation of successive priority action plans and guarantee the smooth operation of the necessary community utilities.**
- These contributions, defined by consensus in Basin Committees, should be mainly managed at the basin level, in a decentralized manner, **by a specialized, technical and financial basin organization.**

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- **7-As regards large transboundary rivers, lakes or aquifers** cooperation agreements should be signed by riparian countries and management plans designed at the level of all the basins, especially in **International or transboundary Commissions, Authorities or Organizations.**
- **Indeed, there are 263 transboundary rivers and lakes and hundreds of aquifers over the world, the basins of which cover an area of about 50% of the emerged lands.**

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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.

**International Network of Basin Organisations:
A partner for european integration!
« EUROPE INBO »**





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



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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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→ SECOND 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!

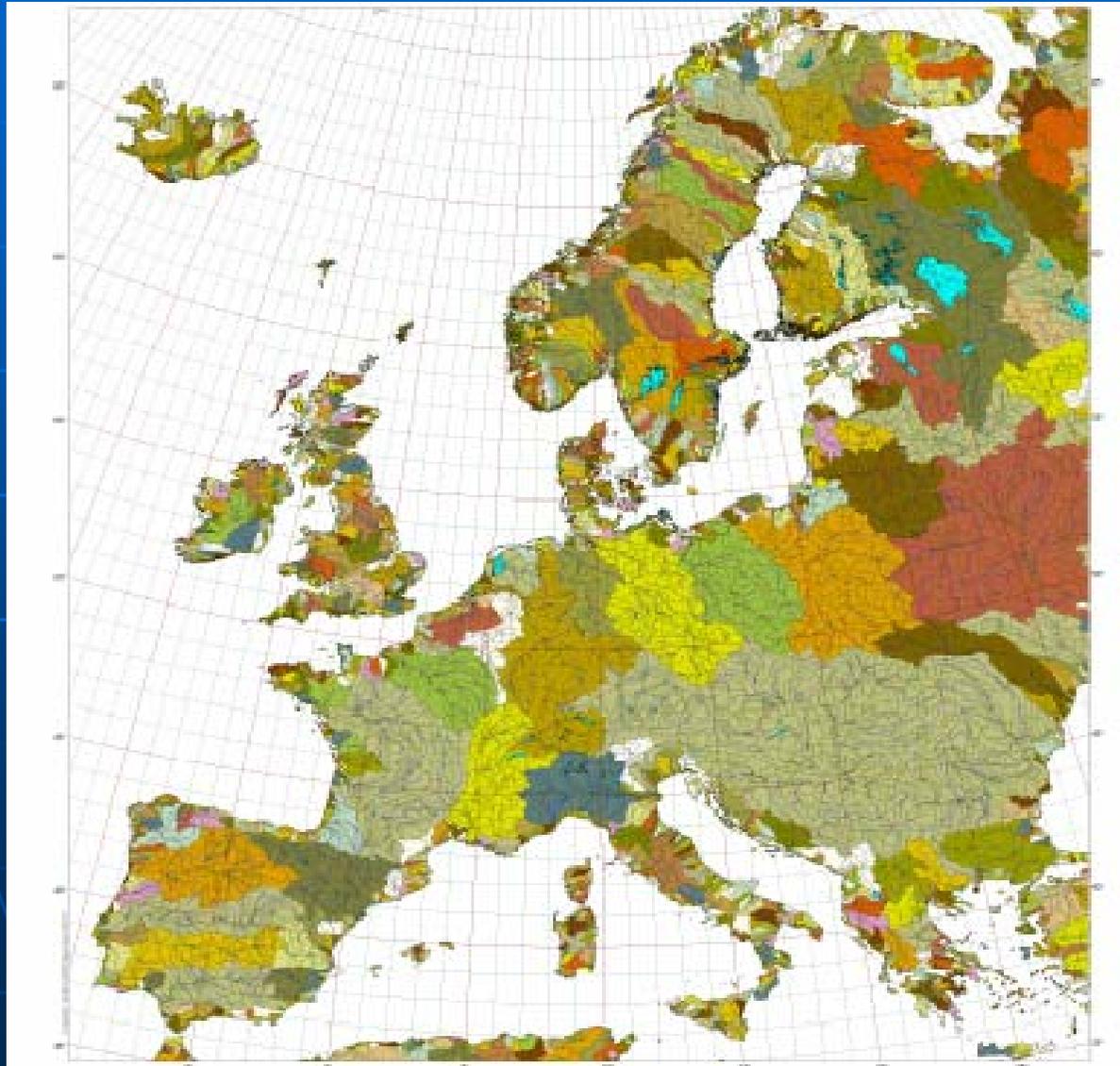


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All the river basins in Europe are concerned:



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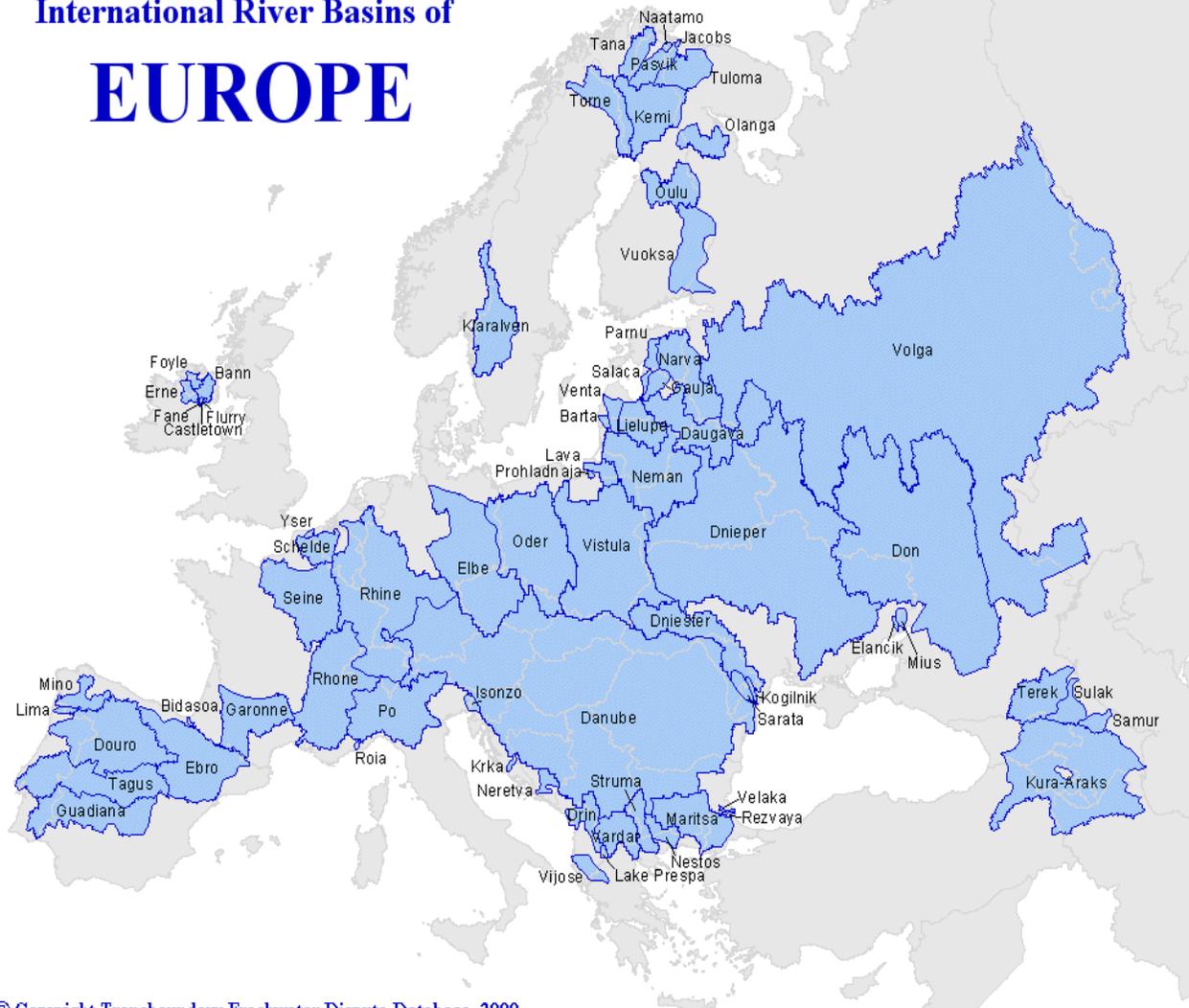
A lot of them being transboundary ones!



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International River Basins of

EUROPE



© Copyright Transboundary Freshwater Dispute Database, 2000



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Transboundary basins per continent.

	2002	Pourcentage du territoire
<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 %
TOTAL	263	45 %

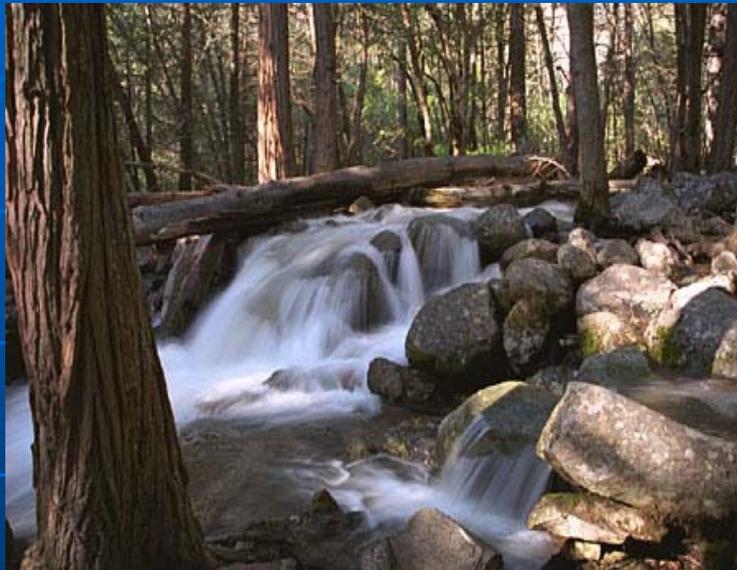


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All kinds of water Are taken into consideration



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- * surface waters
- * groundwater



- * transitional water
- * coastal waters



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**"WATER IS NOT
A COMMERCIAL PRODUCT
LIKE ANY OTHER,
BUT, RATHER, A HERITAGE
WHICH MUST BE PROTECTED,
DEFENDED AND TREATED
AS SUCH"**

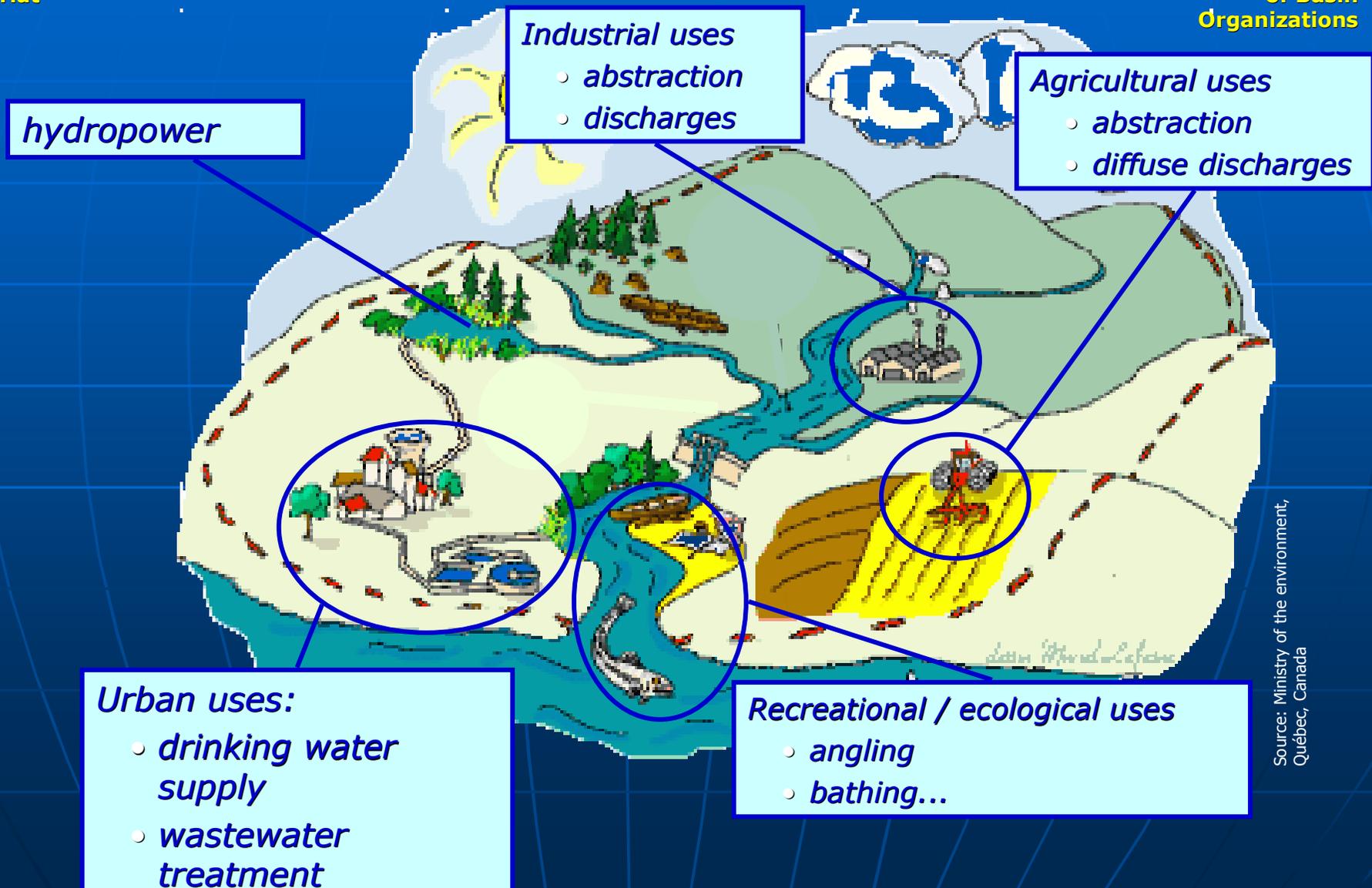


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THE DIRECTIVE CONCERNS ALL MAJOR WATER USES



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Source: Ministry of the environment,
Québec, Canada



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THE FRAMEWORK DIRECTIVE *PLANS FOR:*

- **THE DELIMITATION
OF “WATER DISTRICTS”
ON THE SCALE OF LARGE BASINS.**

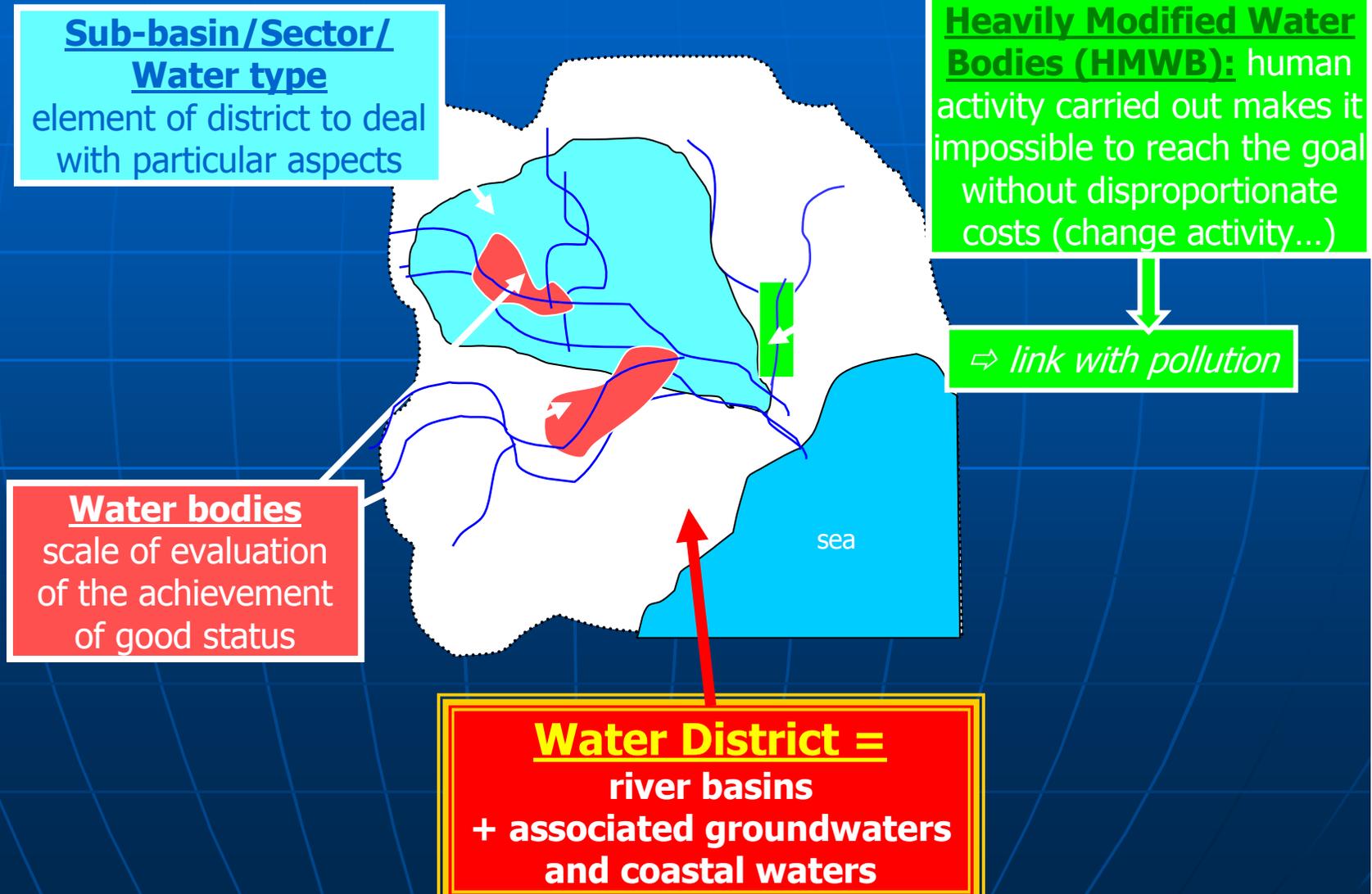


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THE DIFFERENT HYDROLOGICAL SCALES



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ASSESSING WATER QUALITY:



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***TODAY, THE SYSTEMS FOR ASSESSING WATER QUALITY
AND FOR FORMULATING THE OBJECTIVES TO ACHIEVE
VARY CONSIDERABLY
FROM ONE COUNTRY TO ANOTHER,
WITHIN THE EUROPEAN UNION.***

*

THE DIRECTIVE REQUIRES:

- **THE IDENTIFICATION OF "WATER BODIES",**
- **THE DEFINITION OF COMMON FRAMES OF REFERENCES.**



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the European Water Framework Directive



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- FOR EACH DISTRICT,
MUST BE FORMULATED:
 - **"MANAGEMENT PLANS"**,
DEFINING THE OBJECTIVES TO ACHIEVE,

AND
 - **"PROGRAMS OF MEASURES"**,
DEFINING THE NECESSARY ACTIONS.



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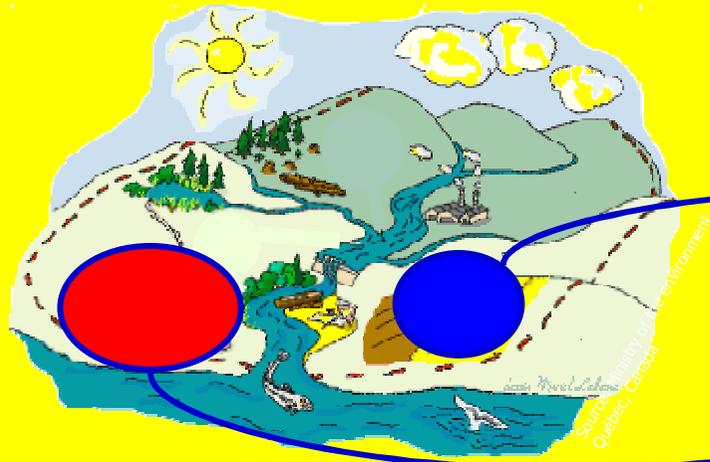
THE CHARACTERISATION OF THE DISTRICT



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2004

Description of the initial situation

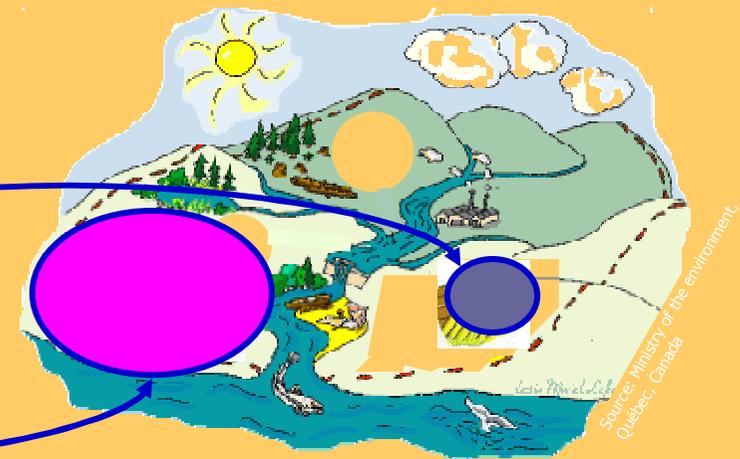


Focus on economic aspects:

- 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

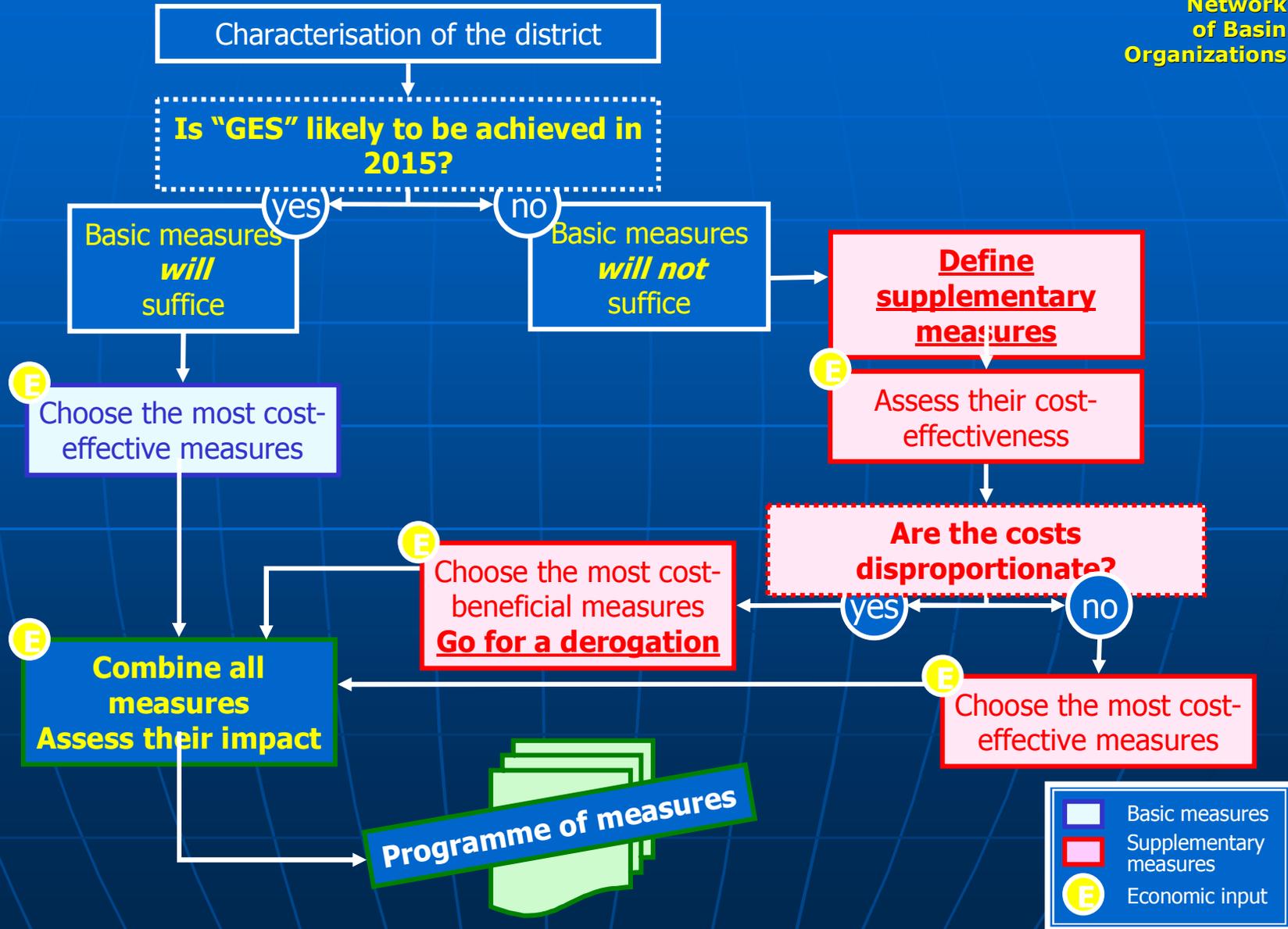


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FLOW CHART OF THE CONSTRUCTION OF THE PROGRAMME OF MEASURES





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TRANSPARENCY OF COSTS AND POLLUTER-PAYS PRINCIPLE:



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- **DO THE CURRENT PRICES COVER THE COSTS OF THE SERVICE, I.E., THE OPERATING AND RENEWAL COSTS?**
- **DOES THE IMPLEMENTATION OF THE POLLUTER-PAYS PRINCIPLE ALLOW CHARGING TO THE POLLUTERS THE COSTS EQUIVALENT TO THE ENVIRONMENTAL DAMAGE THEY CAUSE?**
- **WHAT IS THE SHARING OF THE CHARGES BETWEEN THE DIFFERENT ECONOMIC SECTORS (HOUSEHOLDS, INDUSTRY, FARMING, ETC.)?**



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COSTS



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Costs	Definition	Example
Direct cost	Capital costs	<i>Principal and interest, depreciation</i>
	Operating costs	<i>Wages, electricity, maintenance of equipment, analyses of the quality of water...</i>
Environmental cost	Costs of the damages to the environment caused by a given activity	<i>Contamination of an aquifer, destruction of wetlands...</i>
Resource cost	Value of the alternative foregone by choosing a particular activity (= opportunity costs)	<i>Cost of electricity that could have been produced if water would be available instead of being pumped for irrigation</i>

Sum = full cost -



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A PARTICIPATORY WORKING METHOD:



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**THE PREREQUISITE
TO REAL TRANSPARENCY
IS THE EFFECTIVE PARTICIPATION
OF THE PUBLIC,
THROUGH PLANNED
CONSULTATIONS
DURING THE WHOLE PROCESS.**



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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*

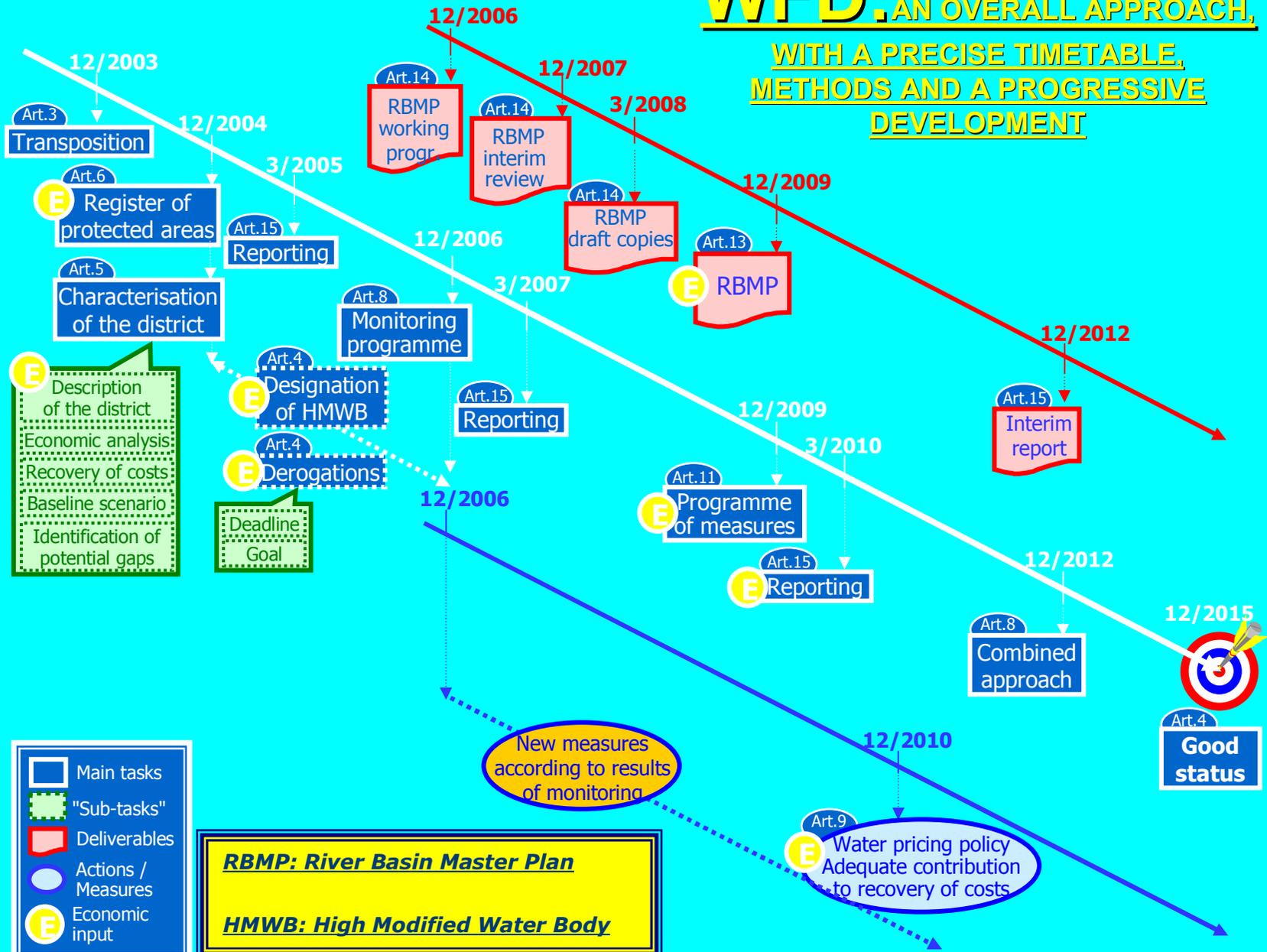
**Achieving
a "good status"
for surface
and ground waters
before 2015**





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



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- Main tasks
- "Sub-tasks"
- Deliverables
- Actions / Measures
- Economic input

RBMP: River Basin Master Plan

HMWB: High Modified Water Body



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INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS « EUROPE INBO »



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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!



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

?



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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INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS « EUROPE INBO »



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**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.**

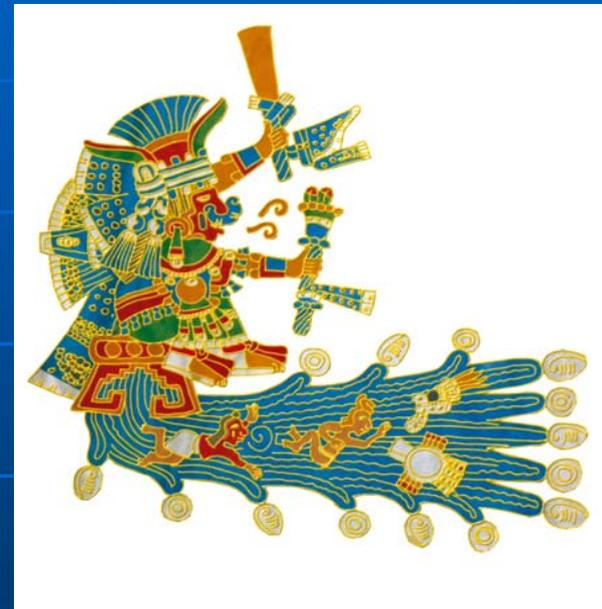


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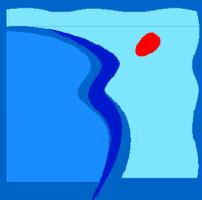
« Rendez – vous » For 2006



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MEXICO March 2006
« IVth World Water Forum »



**MEXICO March 2006
IVth World Water Forum**



■ **INBO proposed**

- **to the Mexican Authorities and**
- **to the World Water Council**

**to organize, with its partners, a session
on 18 March 2006 in Mexico City,**

within the « IWRM » topic of the 6th World Forum,

on the field implementation

of the European Water Framework Directive,

*which represents an exceptional example
of basin management in more than 27 countries,
either members of or candidates
for accession to the European Union.*



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in Mexico City!

**Our ideas are progressing,
let's get mobilized
to make our results known!**
**i Nos idées progressent,
mobilisons-nous
pour les faire connaître!**



MEXICO March 2006
« IVth World Water Forum »



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**When they exist,
Basin organizations are working !!**





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International Network of Basin Organisations Réseau International des Organismes de Bassin



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

<http://www.riob.org>

<http://www.inbo-news.org>

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

**MERCI DE VOTRE ATTENTION!
THANK YOU FOR YOUR ATTENTION!**

www.inbo-news.org

www.riob.org

mail: inbo@wanadoo.fr

riob2@wanadoo.fr

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