

International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

INFORMATION EXCHANGE & PARTICIPATION FOR WATER MANAGEMENT



Tunis
15 July 2008

Daniel VALENSUELA

Deputy General Manager
International Office for Water

*Permanent Technical Secretary
INBO*



International
Office
For Water
PARIS-FRANCE

A lot of Water Problems and Water Crises around the World

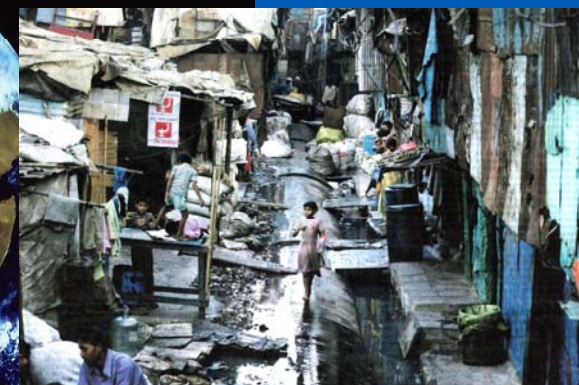


International
Network
Of Basin
Organizations

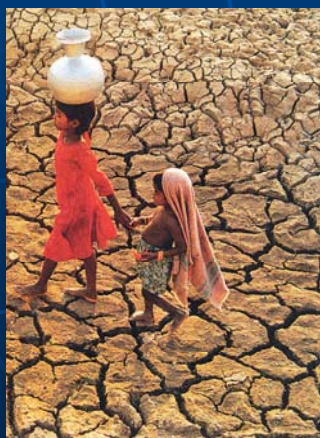
Killing Floods



No access to water services



Severe Draughts



Lack of water for agriculture

High, Wide Pollutions





International
Office
For Water
PARIS-FRANCE

+ a new critical context with Impact of Climate Change



International
Network
Of Basin
Organizations



Frequency ad intensity
of extreme events



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Widely Understood

- ◆ Technical solutions exist
- ◆ But Institutional problems stay
- ◆ First cause is about Management and Governance
- ◆ To much Top Down and weak involvement at grassroot / local level



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

**This is why we must focus on
Improving Water Management &
Water Governance**

Put in place IWRM



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Improvement of Water Governance Sustainable Water Management

National Strategy

National Policy & Regulation - Institutional Framework

Decentralisation
Basin / Local Levels

MT Master
Plan

Mechanisms for
Trans-boundary
Management

Participation

Knowledge ...

The key pillars



International Office For Water PARIS-FRANCE



International Network Of Basin Organizations

Better efficiency and application



PARTICIPATION

Information - Awareness
Dissemination -

KNOWLEDGE - DATA
KNOW-HOW

Impact Assessment

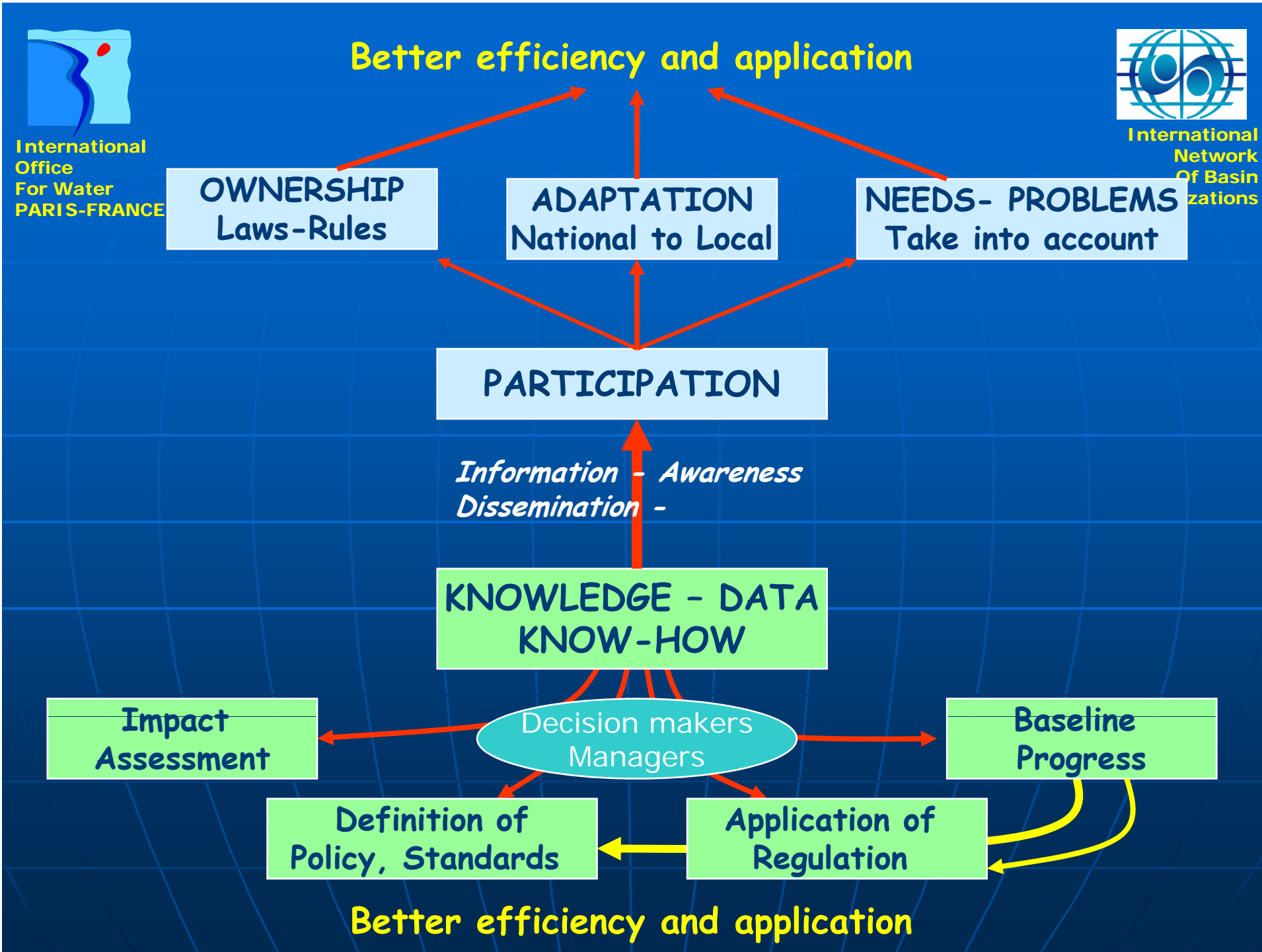
Decision makers
Managers

Baseline Progress

Definition of Policy, Standards

Application of Regulation

Better efficiency and application



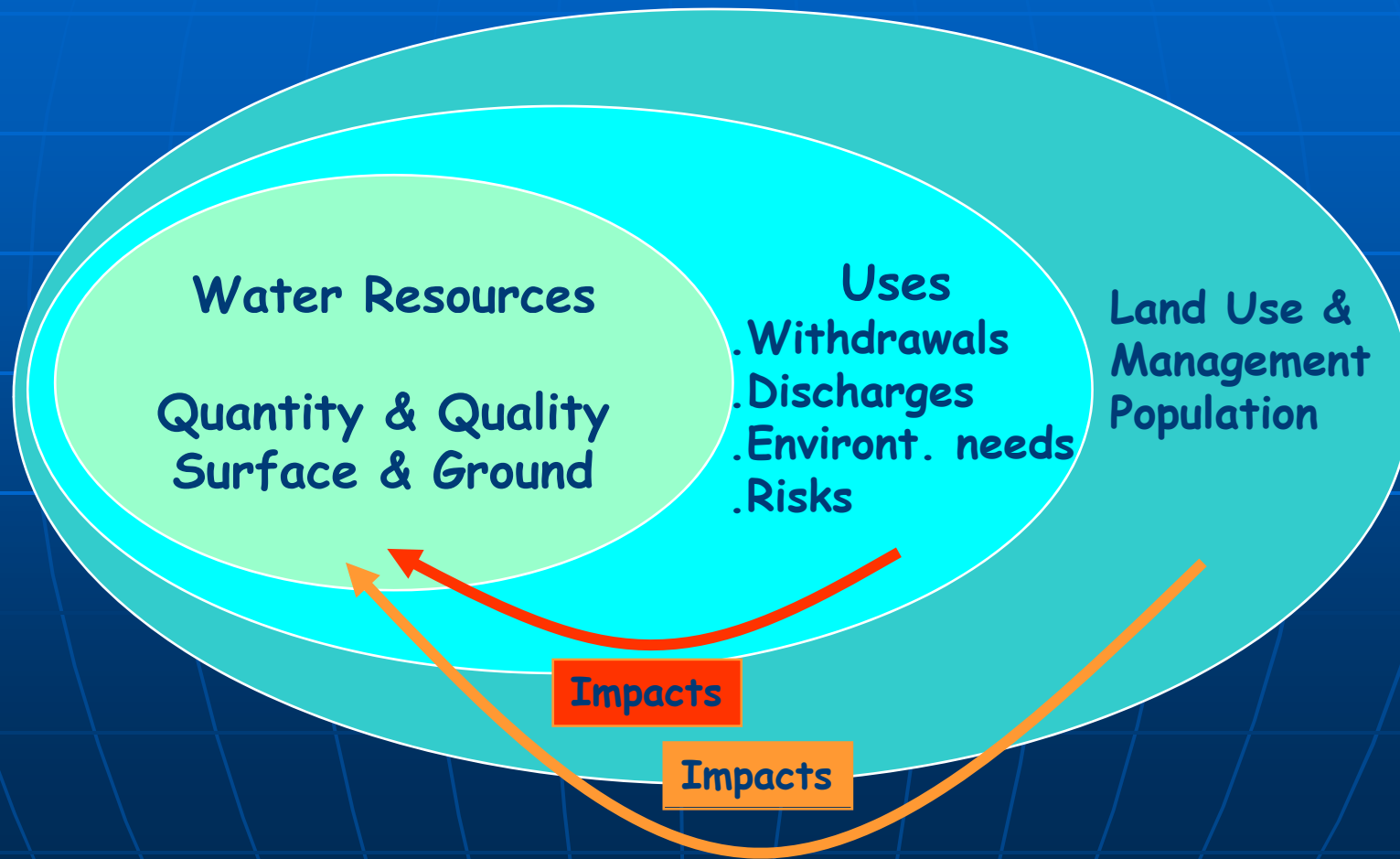


International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Data





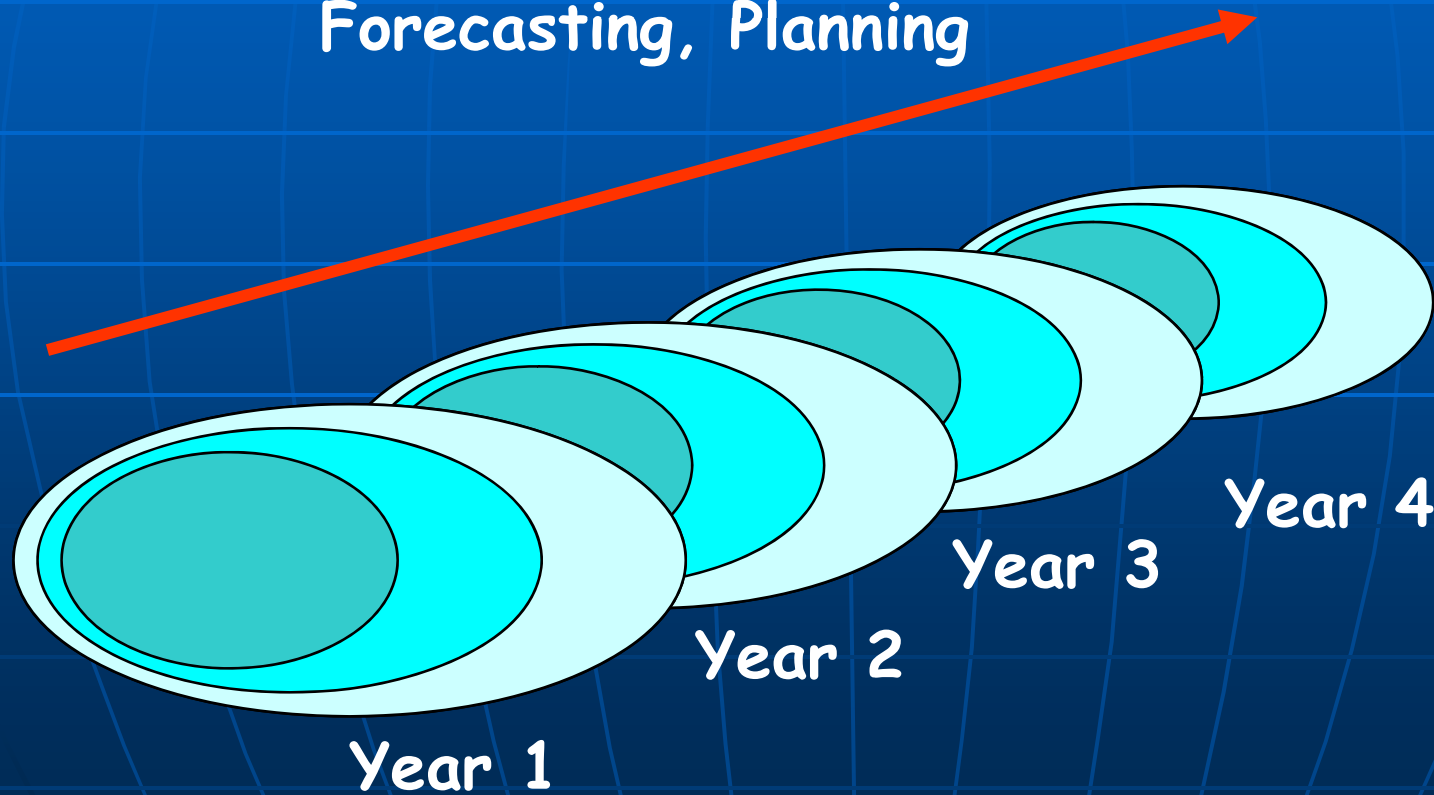
International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Data

Has to be seen in perspective
Forecasting, Planning





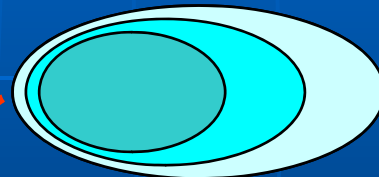
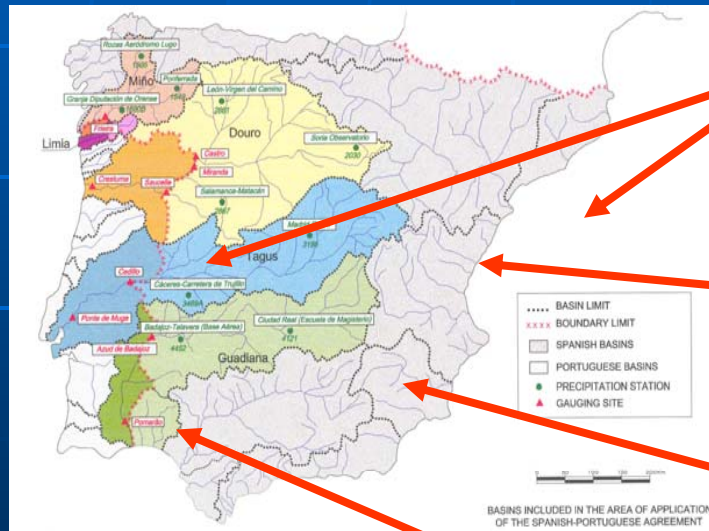
International
Office
For Water
PARIS-FRANCE

Data

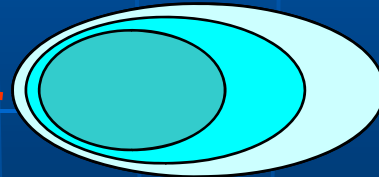


International
Network
Of Basin
Organizations

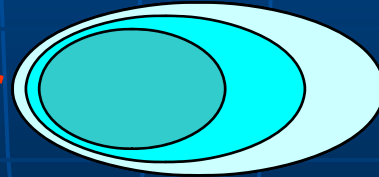
Has to be seen at all relevant levels



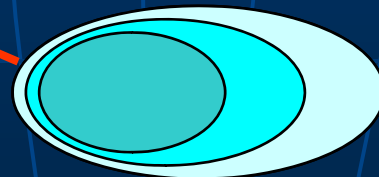
Trans-boundary



National, Federal



Basin, Sub-basin



Local, District, City



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Water Resources Knowledge Issues





International
Office
For Water
PARIS-FRANCE

Knowledge and Information



International
Network
Of Basin
Organizations

- A lot of owners of water data & information: administrations, basin organisations, professionals, water service operators, research, NGOs, ...
- Heterogeneity among data : no harmonisation



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Knowledge and Information

- Incomplete: areas without data, parameters missing, groundwater ?
- Badly adapted to the needs of decision makers, administration
- Owners working separately: information is power !



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Knowledge and Information

The challenge

- To gather information, data
- To normalise
- To process
- To make it available for all



**Integrated Water
Information and Monitoring System**



International
Office
For Water
PARIS-FRANCE

Knowledge and Information



International
Network
Of Basin
Organizations

Key elements

- Political will for sharing information
- Identification of data owners
- MOU or agreement among them
- One service for standard/ Networking
- Organisation for coordination / political support
- Representative of SH and Users of WIS in the decision process (sub com of CNE)



International
Office
For Water
PARIS-FRANCE

Knowledge and Information



International
Network
Of Basin
Organizations

An Integrated Water Information and Monitoring System ...

- **Reliable**
- **Representative**
- **Harmonized**
- **Easily accessible**
- **Close enough to the ground (Basin)**



International
Office
For Water
PARIS-FRANCE

Knowledge and Information



International
Network
Of Basin
Organizations

Water Information System ...

- Needs of Stakeholders
- Control of activities impacting WR
- Monitoring water resources
- Assessing policies, plans
- Communication flow: WR status, Risks
- Bank data / Streamline models



International Office For Water PARIS-FRANCE

BO can take Leadership for Developing Information System



International Network Of Basin Organizations

Organising Standards Validation

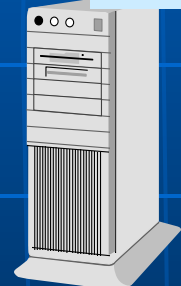
Internet



Gathering Partners



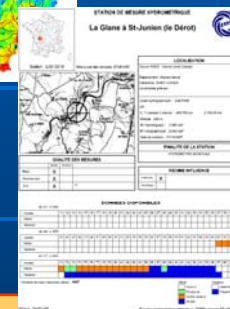
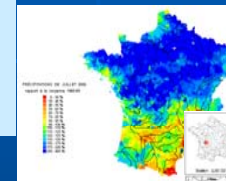
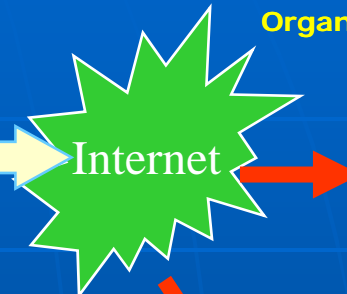
Developing Communication Tools/tracks



BNDE

BD CARTHAGE

GIS



National products

Civil society

Decision makers





International Office For Water PARIS-FRANCE



International Office For Water PARIS-FRANCE

BO can take Leadership for Developing Information System



International Network Of Basin Organizations



International Network Of Basin Organizations



Organising Standards Validation

Internet

Developing Communication Tools/tracks

Easily Accessible

Dissemination to ALL categories

Data collection at local level

Gathering Partners

BNDE

BD CARTHAGE

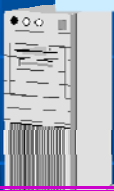
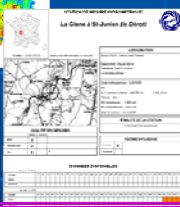
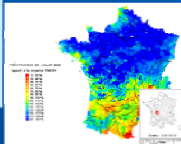
GIS

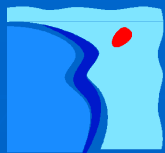
National products

Decision makers

Ci

Society





International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

At Country Level Bring together the existing DB

Example

HYDRO
Surface Water
Quantity

HYDRO
Surface Water
Quality

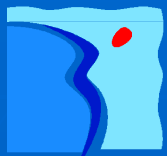
ADES
Groundwater
Quality
Quantity

Eaufrance

QUADRIDGE
Coastal Quality

GESTEAU
IWRM

BDMAP
Fishery, Halieutic



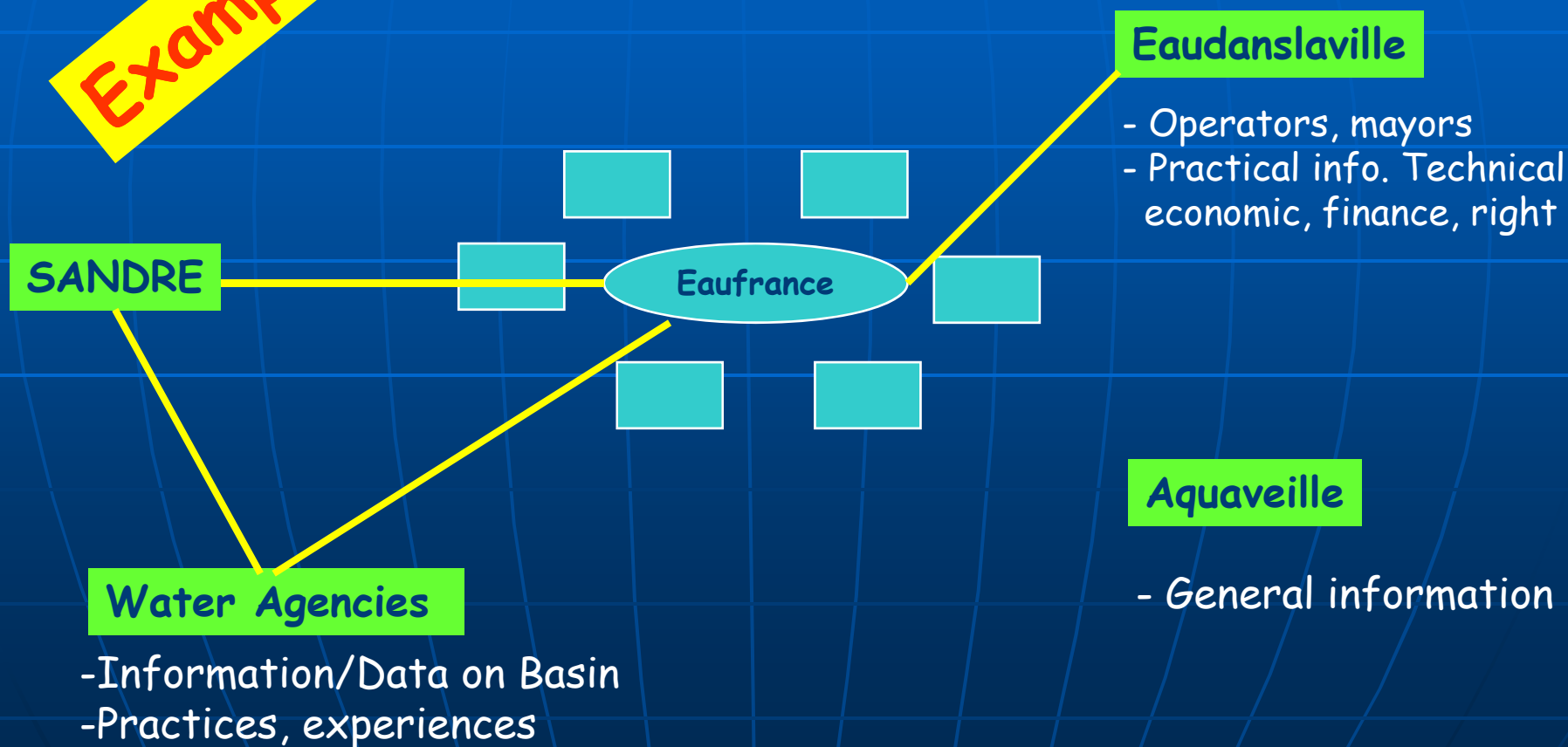
International
Office
For Water
PARIS-FRANCE

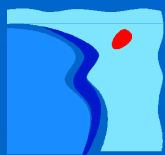


International
Network
Of Basin
Organizations

At Country Level and connect with new Inf. Systems

Example





International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Networking of Water Resources Knowledge at Global / Regional Levels can help



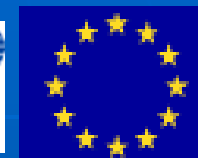
Not reinvent the wheel !



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations



Exchange Network for improving dissemination of IWRM research outcomes

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

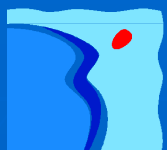
Common forum and platform for knowledge transfer

- ▶ 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



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations



14 countries
18 Research Centres

List of Partners



International
Technical
Secretariat
PARIS-FRANCE



International
Network
of Basin
Organizations



Water Framework Directive in EU
An experience of sharing information



International
Office
For Water
PARIS-FRANCE

A Common Implementation Strategy for the WFD



International
Network
Of Basin
Organizations

14 CIS 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



INBO member of
Strategic Coordination Group



International
Office
For Water
PARIS-FRANCE

المكتب الدولي للمياه

SEMID

E

www.semide.org

Système Euro-
Méditerranéen

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



International
Network
Of Basin
Organizations

الشبكة الدولية لمنظمات الأحواض

EMWI

S

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



International
Office
For Water
PARIS-FRANCE

African Water Information System



International
Network
Of Basin
Organizations



Local knowledge : lots of valuable information are produced every day (projects implementation plans, evaluation reports, legal documents, ...)

Continent-wide needs: no time, no money for reinventing the wheel!



International
Office
For Water
PARIS-FRANCE

Example of Global and Regional Networking INBO and Regional INBO



International
Network
Of Basin
Organizations

**185 FULL MEMBERS or PERMANENT OBSERVERS
in 68 COUNTRIES!**



Permanent Technical Secretariat operated by International Office for Water, PARIS



Example of Global and Regional Networking INBO and Regional INBO



International
Office
For Water
PARIS-FRANCE

International
Network
Of Basin
Organizations

International Network of Basin Organizations - Microsoft Internet Explorer

http://www.riob.org/friobang.htm

Google RIOB

International Network of Basin Organizations

I.N.B.O.
International Network of Basin Organizations

Organisation

The website access statistics
Other languages
Français - Español - Português - Русский

Last update : Jun 17, 2008

INBO'S ORGANIZATION

- New Statutes which have been approved during the last General Assembly
- Organization and operation Charter
- The network newsletter
- The list of I.N.B.O. Member Organizations classified by country
- **Members Organizations** : The information sheet is available for filling in and sending back to us.
- The world watershed : <http://www.iucn.org/themes/wani/eatlas/>
- River Basin Organization questionnaire from the World Bank
Download the survey - RBO_questionnaire.doc (160 Ko)

You wish to become an INBO Member?
Send us the filled up questionnaire
inbo@wanadoo.fr

The electronic INBO's newsletter
Get registered !

Search on INBO's website : Search

INBO committee of experts

The Network Newsletters

Release of the 16th issue...
All the network newsletters

News

« INBO - Session » ECWATECH-2008
Water: ecology and technology
"Water resources management under extreme conditions" conference
Moscow, Russia 4 - 5 June 2008
The papers and the pictures of the event

**INBO - MENBO - EWP SESSION
« WATER TRIBUNE »
SARAGOSSA (SPAIN) - 8 JULY 2008**
Invitation
EXPO 2008 in Saragossa (SPAIN) entitled « Water for Sustainable Development »
From 14 June to 14 September 2008 - Saragossa (SPAIN)
www.expozaragoza2008.es

« EURO INBO 2008 »
International conference on the implementation of the European Water Framework Directive
Sibiu (ROMANIA) - 02-03 October 2008

Leave a message : inbo@wanadoo.fr | Other languages | Home

Internet 100%

démarrer Boîte de réce... 5 Presentato... Microsoft Po... Search - Micr... Dessin vieux ... International ... Livret_EAU_V... FR Mes documents 1 OIE 11:54



Example of Global and Regional Networking INBO and Regional INBO



International
Network
Of Basin
Organizations

International
Office

International Network of Basin Organizations - Microsoft Internet Explorer

http://www.riob.org/friobang.htm

Google RIIOB Go + Bookmarks 213 blocked Check AutoLink AutoFill Send to RIIOB Settings Fichier

International Network of Basin Organizations

Documents

« INBO - Session » ECWATECH-2008
Water resources management under extreme conditions
Moscow, Russia 4 - 5 June 2008

I.N.B.O.

International Network of Basin Organizations

| INBO'S AND REGIONAL / THEMATICAL NETWORKS GENERAL ASSEMBLIES | MEETINGS OF THE LIAISON BUREAU |
|--|--|
| <p>2008 « INBO - Session » ECWATECH-2008 Water: ecology and technology "Water resources management under extreme conditions" conference Moscow, Russia 4 - 5 June 2008</p> <p>The papers and the pictures of the event</p> <p>Network of Asian River Basin Organizations - Third General Meeting Surakarta - INDONESIA - February 20-22, 2008</p> | <p>• Rome (ITALY) - Wednesday 7 November 2007</p> <p>World liaison bureau</p> |
| <p>2007 « EUROPE INBO 2007 » International conference on the implementation of the European Water Framework Directive Rome (ITALY) - 8 - 10 November 2007 - World liaison bureau</p> <ul style="list-style-type: none"> • « EUROPE-INBO SPECIAL SESSION » "INTERNATIONAL YELLOW RIVER FORUM" Dongying - China - October 16 - 19, 2007 • International symposium on freshwater management in the Great Lakes-St. Lawrence River basin Sorel-Tracy (Quebec) - September 13 - 15, 2007 • Debrecen (Hungary) INBO world General Assembly, From 7 to 9 June 2007 <p>The Final Resolutions, the "Declaration of Debrecen", the papers and the pictures, and the video</p> <p>• Johannesburg (SOUTH AFRICA) 4 to 7 March 2007 General Assemblies of the African Network of Basin Organizations and of the Network of International Commissions and Transboundary Basin Organizations</p> <p>Final resolutions and Declaration of JOHANNESBURG And all the pictures of the events</p> | <ul style="list-style-type: none"> • Debrecen (Hungary), Juen, 6th, 2007 . • Debrecen (Hungary), October 19th and 20th. • Megève (FRANCE), September 20th, 2006 • Mexico City (MEXICO), March 17th, 2006 • Namur (WALLOON REGION) - 28 Sept. 2005 (The pictures of the meeting) • Marrakech (MOROCCO) - 23-25 May 2005 • INBO's liaison Bureau • Liaison bureau of ANBO • Dakar (SENEGAL) - Tuesday November 2nd, 2004 • Krakow (POLAND) - September 25-30, 2004 • " EUROPE INBO " INTERNATIONAL MEETING ON THE IMPLEMENTATION OF THE EUROPEAN WATER FRAMEWORK DIRECTIVE) - 27 - 29 September 2004 - Final resolutions and communications • The Executive Committee of the Mediterranean Network of Basin Organisations (MENBO) are invited to participate on the first Meeting of the Committee, which will take place on September 26, 2004 - Agenda (PDF 66Ko) • Liaison Bureau of the INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS (INBO) on September 26, 2004 |
| <p>2006 • Megève (FRANCE) - « EUROPE INBO 2006 » 4th International meeting on the implementation of the European Water Framework Directive September 20-22, 2006 - Information</p> | <ul style="list-style-type: none"> • Liaison Bureau of the NETWORK OF INTERNATIONAL COMMISSIONS AND TRANSBOUNDARY BASIN ORGANIZATIONS Voina (ROMANIA)- 27 and 28 MAY 2004 • Tipaza (ALGERIA) - 12-14 December 2003 • The Martinique (FRENCH ANTILLES) June 15th-17th 2003 • The pictures • Pour information La Martinique - "Une île, un bassin" de M. de Grandmaison Document (Attention! 25 Mo) |
| <p>2005 • Namur (WALLOON REGION) - 29 September / 1st October 2005 • EURO INBO 2005 " - International meeting on the implementation of the European Water Framework Directive Communications, slides and pictures from the conference</p> <p>• Marrakech (MOROCCO) - 23-25 May 2005 General Assembly of the Mediterranean Network of Basin Organizations, World liaison bureau of INBO - Liaison bureau of ANBO (French)</p> | <ul style="list-style-type: none"> • The pictures • Pour information La Martinique - "Une île, un bassin" de M. de Grandmaison Document (Attention! 25 Mo) |
| <p>2004 • Dakar (Senegal) : International conference : NETWORK OF INTERNATIONAL COMMISSIONS AND TRANSBOUNDARY BASIN ORGANIZATIONS & AFRICAN NETWORK OF BASIN ORGANIZATIONS from 3 to 6 November 2004</p> | |

Leave a message : inbo@wanadoo.fr | [Other languages](#) | [Home](#)

Internet

100%

démarrer 3 Microsoft Of... 5 Presentation P... Microsoft Power... 3 Internet Ex... Livret_EAU_V15... Microsoft Excel...

FR Mes documents 1 OIEAU

12:04

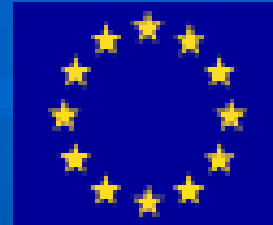


International
Office
For Water
PARIS-FRANCE

Example of Programme accross the world



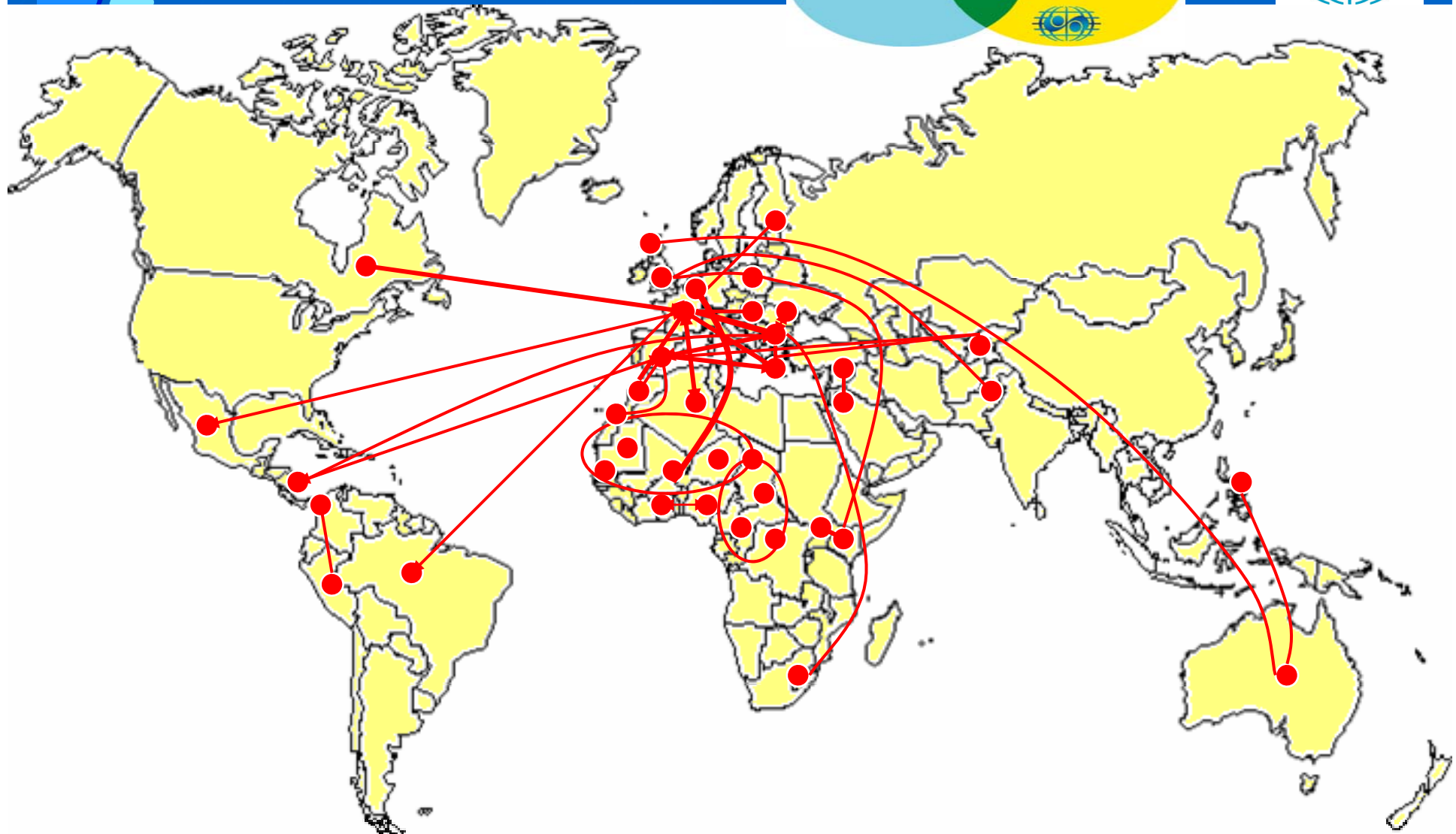
International
Network
Of Basin
Organizations



- **TWINING** = one way for exchanges of practices, knowledge, know-how
- Twinbasin project supported by EU:
 - sponsorship for missions to BO Twiners
 - based on twinning agreement between them
 - aims at exchanging their staffs on specific topics



43 supported Twinings





International Office

Example of programme accross the world



International Network

Striver.no - Microsoft Internet Explorer

http://www.striver.no/river_bas.php

Google striver project

Striver.no

STRIVER Home

Contact Us | News | Search | Links | Login

About STRIVER Partners River Basins STRIVER Bulletin Dissemination of results Meetings

Project Co-ordination:

NIVA Norwegian Institute for Water Research (NIVA)

Bioforsk Norwegian Institute for Agricultural and Environmental Research (BIOFORSK)

River Basins: [Tungabhadra](#), [Sesan](#), [Glomma](#), [Tejo/Tagus](#)

The selected four river basins in which information, knowledge and competence will be twinned, include: Tungabhadra (India), Sesan (Vietnam and Cambodia), Glomma (Norway) and Tejo/Tagus (Spain and Portugal).

Headlines: **STRIVERs on field trip in Cambodia**
 posted by Per Stålnacke (7.4.2008)
 The five STRIVER participants, Per Stålnacke (Bioforsk), Udaya Sekhar Nagothu (Bioforsk), Dag Berge (NIVA), Geoffrey Gooch (LiU) and Alistair Rieu-Clarke (IWLR Dundee) conducted a field trip to Sesan.
[Read more.](#)

Webmaster - © 2006 striver.no - Contact Us

STRIVER: Strategy and methodology for improved IWRM - An integrated interdisciplinary assessment in four twinning river basins (2006-2009) is a project supported by the [European Commission Sixth Framework Programme \(FP6\)](#)

Internet 100%

démarrer 4 Explorateur ... Boîte de récepti... INECO Tunis2008 Document2 - Mi... 3 Internet Ex... Adobe Reader FR Mes documents 1 OIEAU 13:37

- develop guidelines for interdisciplinary methods to assess and implement IWRM
- assess transferability of case study results
- enhance the dialogue between decision-makers, stakeholders and scientists
- disseminate data and information to stakeholders to promote participatory planning and integrated decision-making, taking adequate account of the rights of poor people and gender roles



Example of Networking accross the world



International Network

International

GWP - IWRM ToolBox Community - Microsoft Internet Explorer

http://www.gwpforum.org/servlet/PSP?chStartupName=_water

Google toolbox GWP

GWP - IWRM ToolBox Community

Global Water Partnership

IWRM ToolBox
Use the ToolBox
About the ToolBox
Managing Water

Associates at Work
Library
About GWP
News & Events

All
Library
News

Search

ToolboxCommunity

Regional Action:
Caribbean
Central Africa
Central America
Central and Eastern Europe
Central Asia and Caucasus
China
Eastern Africa
Mediterranean
Pacific
South America
South Asia
Southeast Asia
Southern Africa
West Africa

Welcome to the ToolBox on Integrated Water Resources Management.

TO ENTER THE IWRM ToolBox ... GO TO THE COLOR PANEL BELOW ENTITLED: USE THE TOOLBOX

The IWRM ToolBox draws together a wealth of experience and expertise in IWRM. It aims to support water professionals and policy makers by offering practical information and non-prescriptive advice on how to implement IWRM in practice.

To read about:
> the main features
> the tools
> guidelines on how to submit information
[click here.](#)

In 2002, this community page will be continuously developed to highlight information and events of special relevance to IWRM. A 'chat room' may be added to stimulate discussion on selected issues.

This IWRM ToolBox database was developed in collaboration with the [Netherlands Water Partnership](#).

Use the ToolBox:
My preferred language is:

Calendar Highlights:
International Conference of Basin Organizations, Madrid, Spain November 4-6, 2002
2nd South Asia Water Forum Islamabad, Pakistan December 14-16, 2002
3rd World Water Forum, Japan March 16-23, 2003

Full calendar

GWP participation in the WWW
27/05/2008
GWP Patron and Chair are opening speakers and GWP organises two workshops: 1 and 7. Read more here...

Vacancy announcements
27/05/2008
Find current vacancy announcements here...

GWP Strategy 2009-2013
22/04/2008

Terminé

Internet 100%

démarrer 3 Explorateur ... Boîte de récepti... INECO Tunis2008 Document2 - Mi... Search - Micros... GWP - IWRM T... FR Mes documents 1 OIEAU 13:32

GWP ToolBox
Case Studies on
IWRM



International Office

Example of Networking across the world



International Network

Toolbox - en - Microsoft Internet Explorer

http://www.gwptoolbox.org/

Google toolbox GWP

Toolbox - en



Home Register Add info Contact Search

Welcome to the GWP ToolBox for Integrated Water Resources Management!

The ToolBox is a compendium of good practices related to the principles of Integrated Water Resources Management presented under a structured reference framework. The ToolBox allows water related professionals, to discuss, analyse the various elements of the IWRM process and facilitates the prioritization of actions aimed at improving the water governance and management. The IWRM ToolBox comprises

an organized collection of case studies submitted by external contributors which have been peer reviewed. Through this website the ToolBox aims to facilitate that professionals and specialists engage with a broader community for the solution of (water related) problems.

IWRM in

- Capacity Building
- Finance
- Floods
- Food & Agriculture
- Freshwater & Coast
- Gender
- Governance
- Groundwater
- Health
- Lakes
- National Water Resource Plans
- Nature & Environment
- Poverty
- Power & Industry
- Transboundary waters
- Water & Sanitation

TOOLS: INDIVIDUAL POLICIES AND GUIDELINES ON IWRM

Altogether close to 50 different tools are presented in the ToolBox. Structurally, the ToolBox is organised in a hierachial manner with each tool embedded in the wider perspective of IWRM. The characteristics of each tool are described in the ToolBox to allow the user to select a suitable mix and sequence of tools that would work in a given country, context and situation. The problems faced by water managers are many and diverse, as are the political, social and economic conditions, so no blueprint for the application of IWRM can be given. The ToolBox textbook can also be downloaded as a [pdf file](#).

[LIST OF TOOLS](#)

CASES: EXAMPLES OF PRACTICAL IMPLEMENTATION OF IWRM

The Tools are illustrated by real case experience. The cases have been submitted by professionals from all over the world and offer realistic lessons for others by giving examples of how a tool has worked in a given combination and context. Cases are at varying levels of detail and include references to sources of further information. Case studies are peer reviewed through the GWP network.

[List of Cases](#)

REFERENCES: SUPPORTING MATERIAL AND BACKGROUND INFORMATION ON IWRM

In addition, the ToolBox contains references. All the Tools and Cases are linked to reference materials - websites, references, organisations.

[List of reference material](#)

[List of organisations](#)

[List of websites](#)

Why & How IWRM

Share your knowledge

IWRM Planning

GWP Countries & Regions

Keyword search

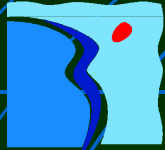
[Search](#)

preferred language

English

Français

Español



**International
Office
For Water
PARIS-FRANCE**



**International
Network
Of Basin
Organizations**

Developing stakeholders, users and public participation





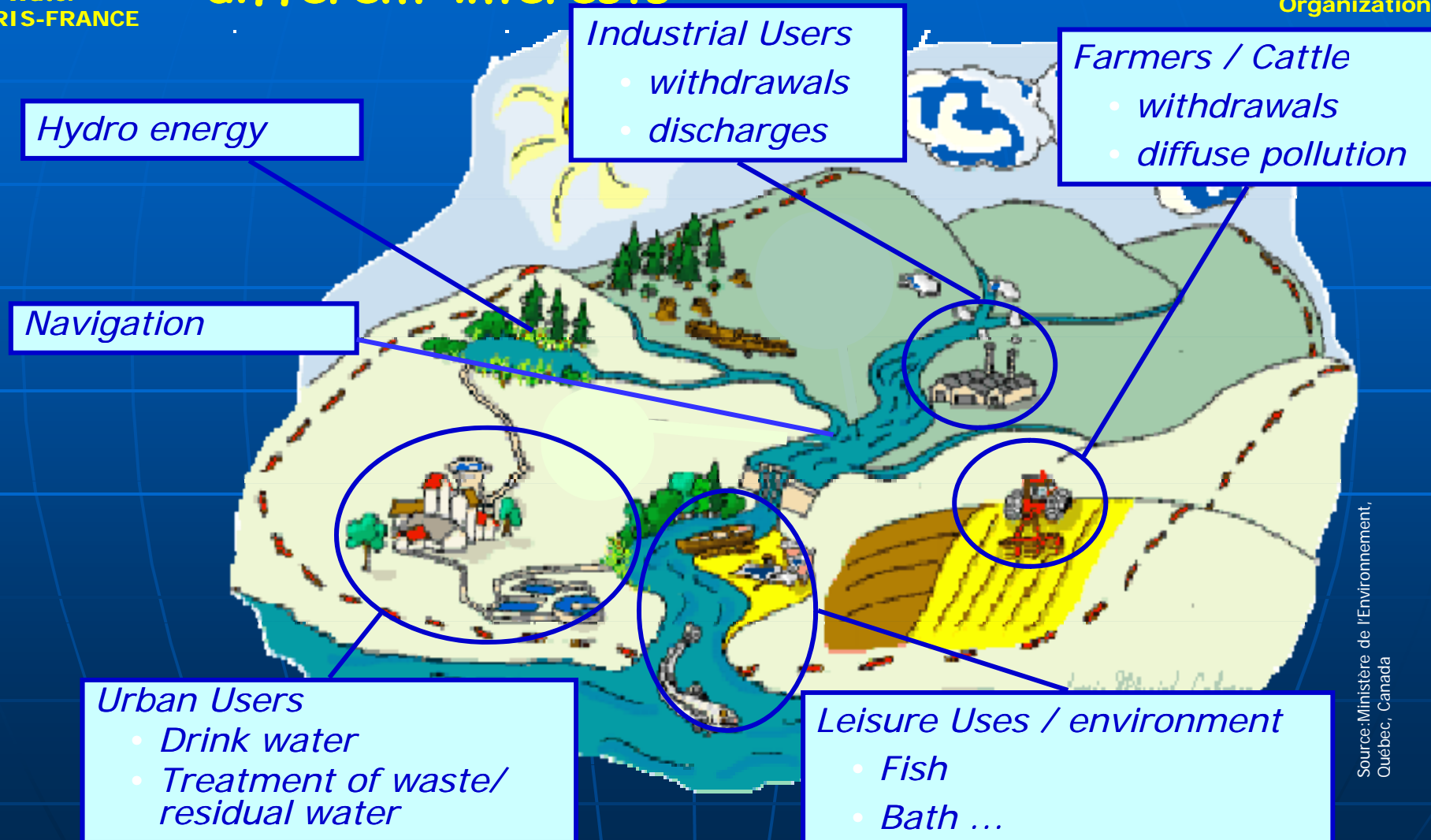
International
Office
For Water
PARIS-FRANCE

Why to develop public participation

◆ Many categories of stakeholders with different interests



International
Network
Of Basin
Organizations



Source: Ministère de l'Environnement,
Québec, Canada



International
Office
For Water
PARIS-FRANCE

ALL Users of Water



International
Network
Of Basin
Organizations

Population

=

Multi users

Public Participation

domestique User



Fishermen

Industry

Farmers



Hydro-energy

Navigation

Leisure



Environmental Use



Electric Energy



Food





International
Office
For Water
PARIS-FRANCE

Participation : not easy



International
Network
Of Basin
Organizations

Involvement of people  Depends on the socio-political context !
 Various levels



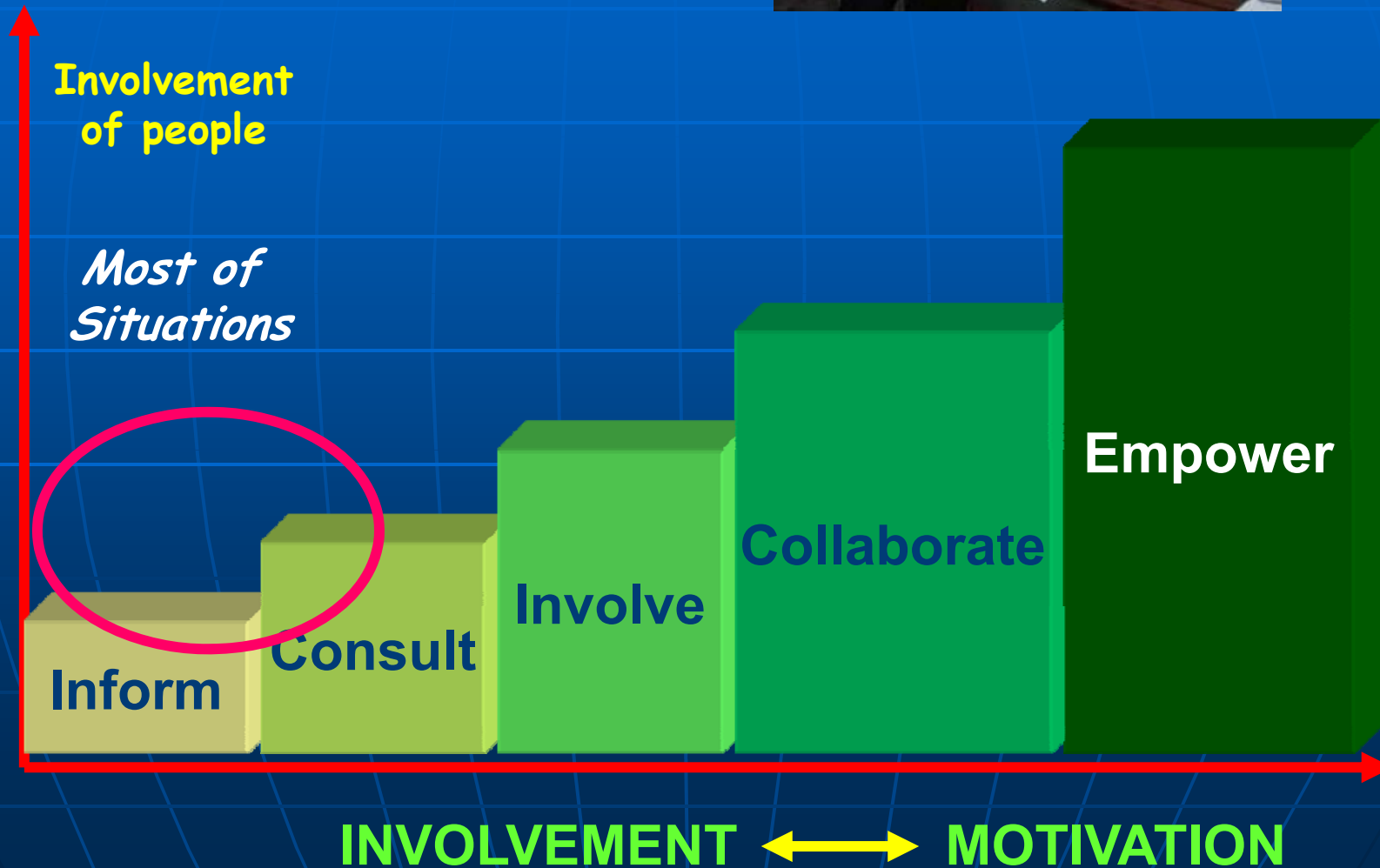
INVOLVEMENT  MOTIVATION



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations





International
Office
For Water
PARIS-FRANCE

Flood



Local riparian
NGO

Involvement
Of People

Public
Policies

Urban
Planning

Fishermen NGO

Fish
management

Inform

Consult

Involve

Collaborate
Co-building

Empower

Depends on the subject and the group

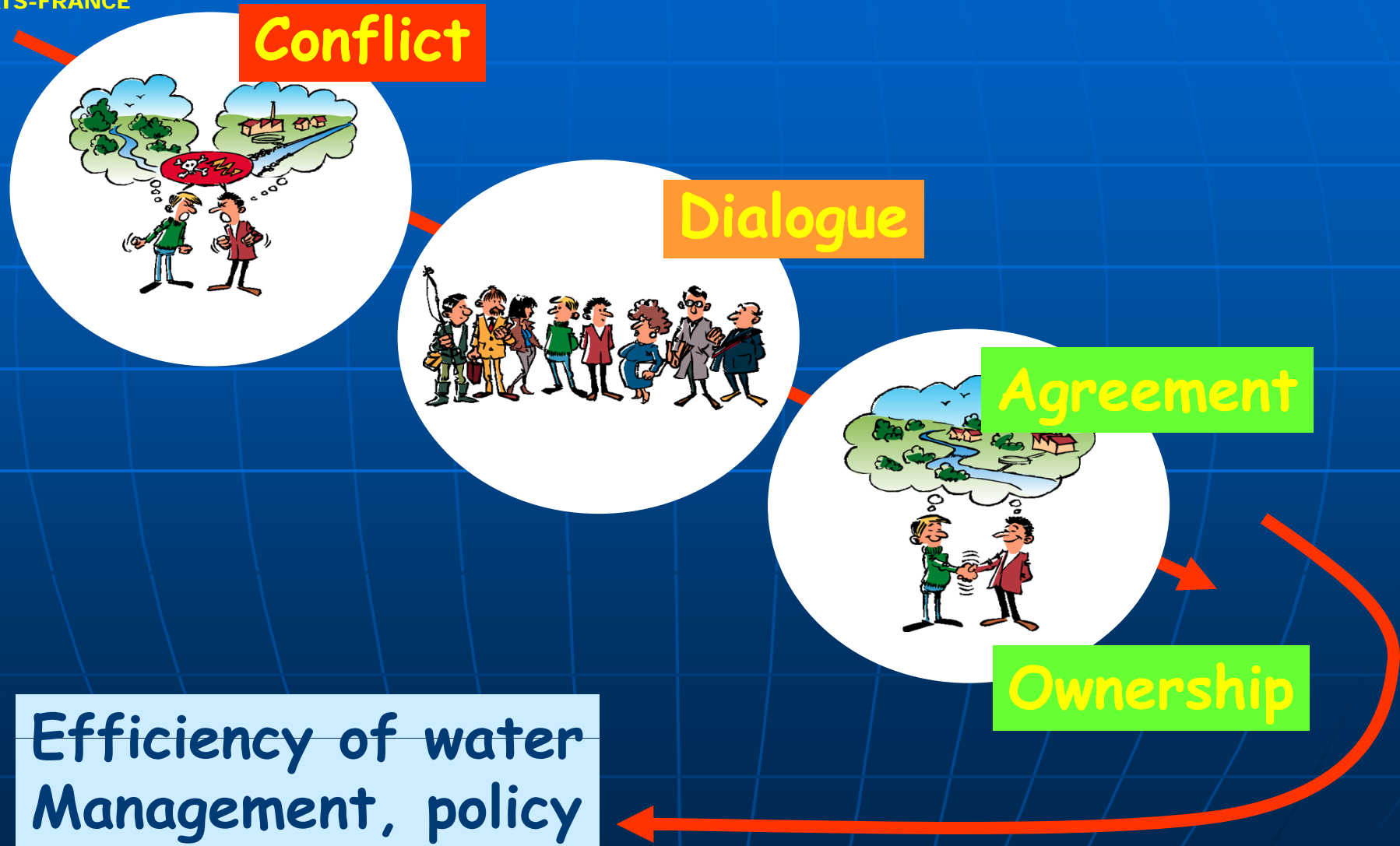


International
Office
For Water
PARIS-FRANCE

Objective of Participation



International
Network
Of Basin
Organizations





International
Office
For Water
PARIS-FRANCE



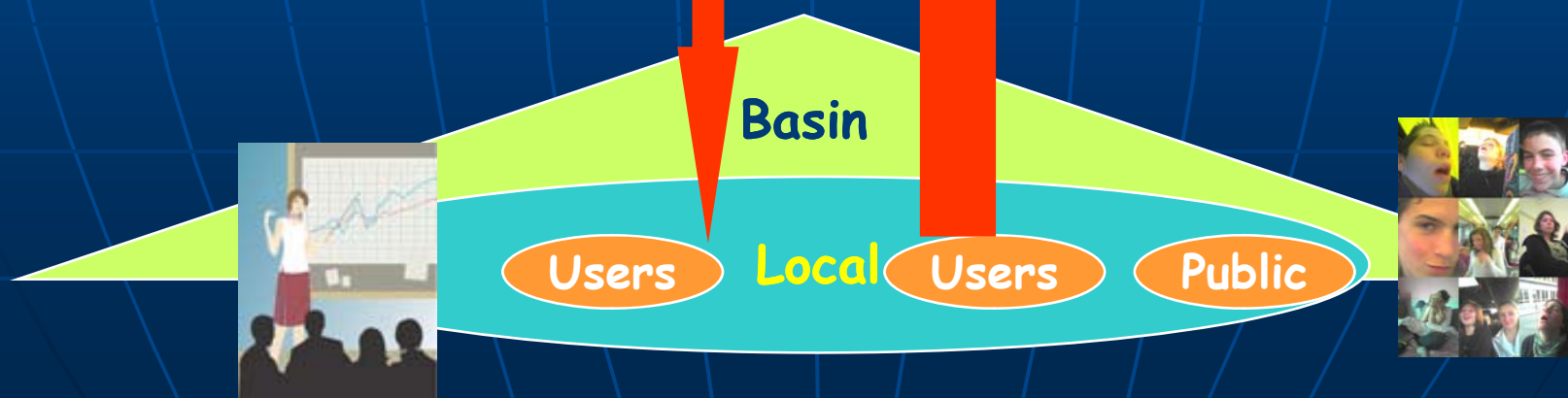
International
Network
Of Basin
Organizations

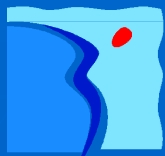
Participation



policy based on participation (consultation, collaboration) of actors in decision-making

more "bottom up"



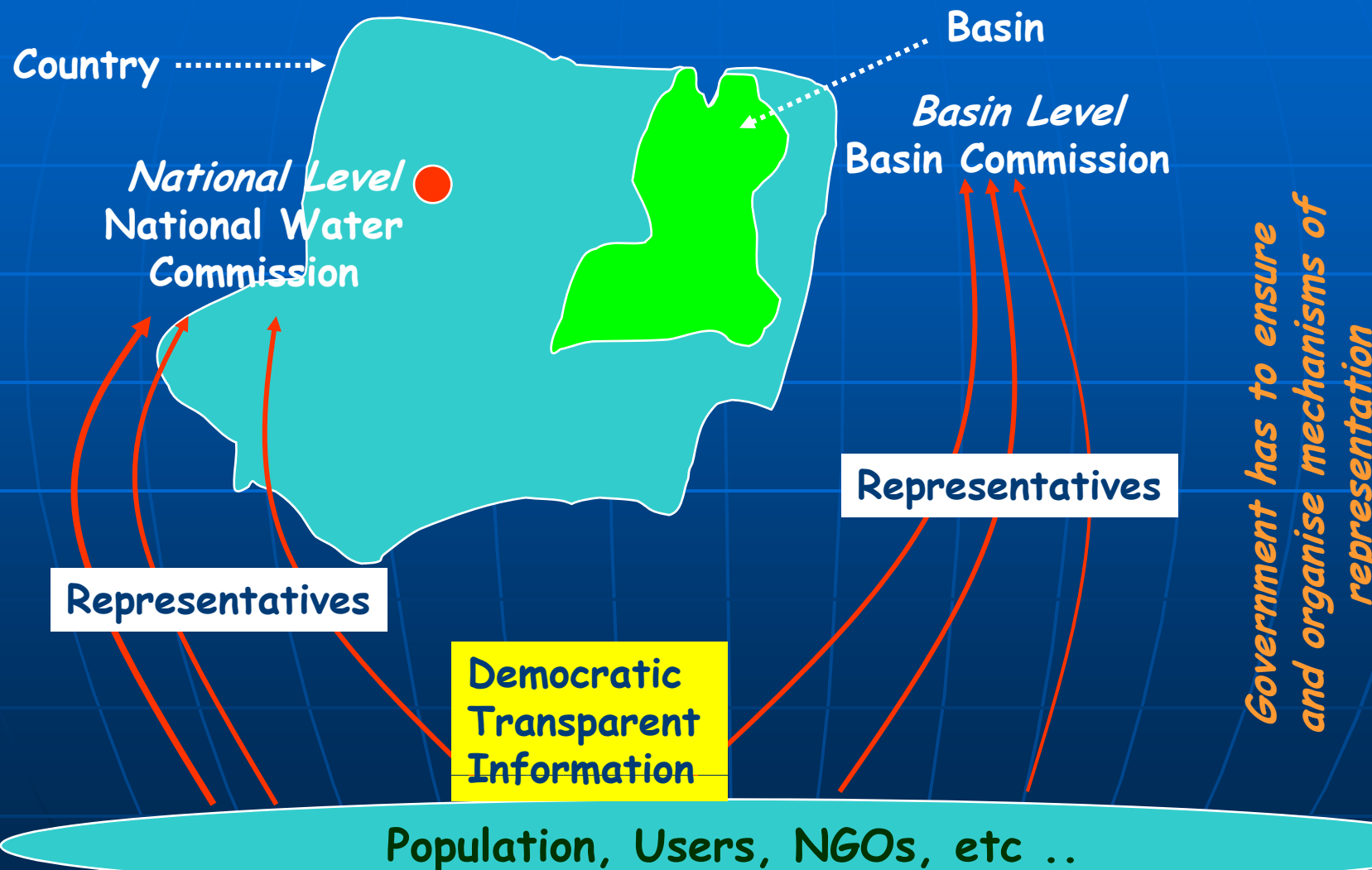


International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Legal Participation





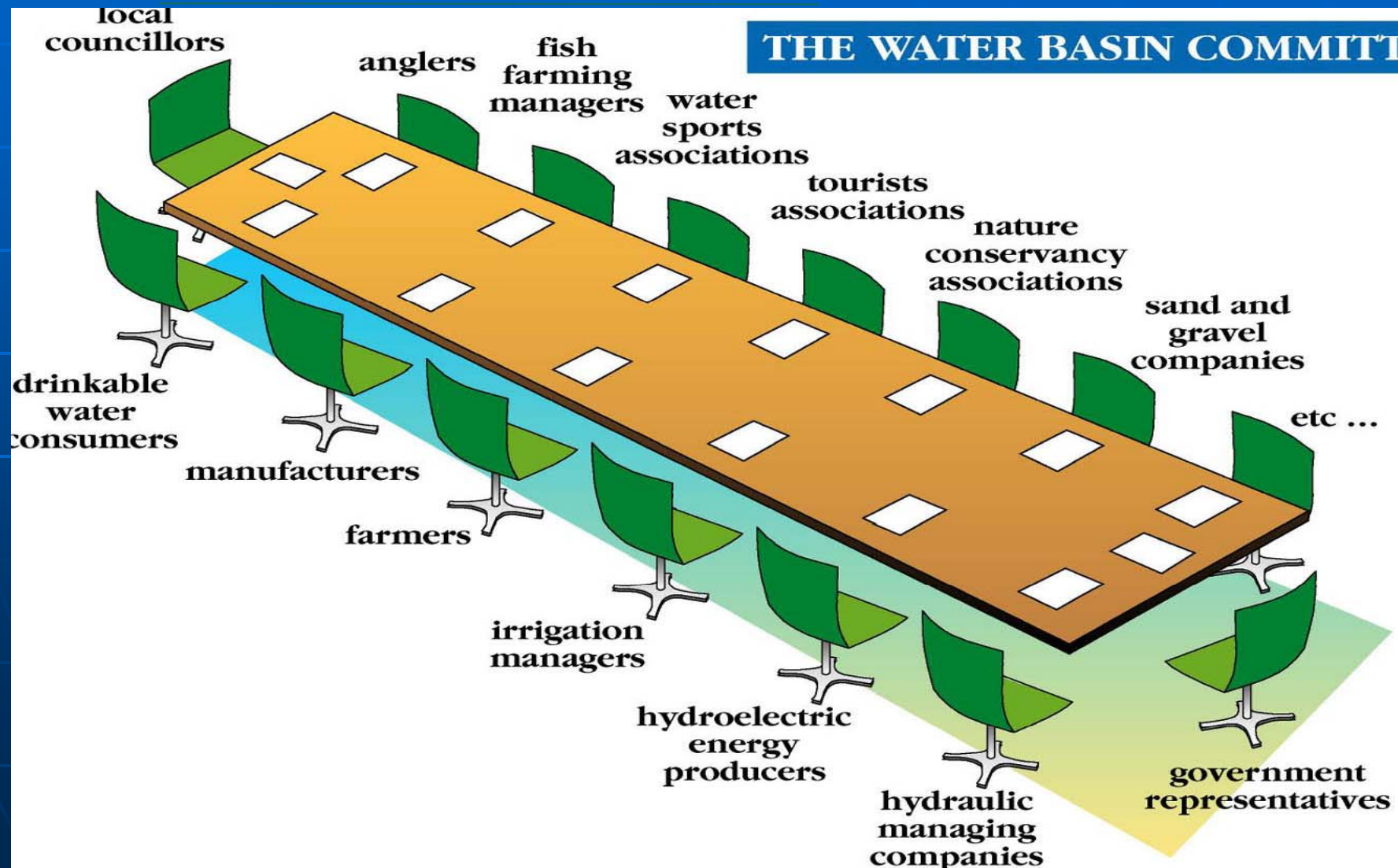
International
Office
For Water
PARIS-FRANCE

A River Basin Agency is integrating various stakeholders



International
Network
Of Basin
Organizations

THE WATER BASIN COMMITTEE





International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Participation for project

Country

National Level
National Water
Commission

Project and
Impact Zone

Information
Knowledge
transparency

Free Opinion of people
Living inside the Area

Population, Users, NGOs, etc ..

*Government has to define the
framework for the public consultation*



International
Office
For Water
PARIS-FRANCE



International
Network
Of Basin
Organizations

Participation - Debate

Country

National Level
National Water
Commission

Information
Knowledge

Large Debate on Major Institutional
Projects (Water Code, Law...)

Population, Users, NGOs, etc ..

*Government has to define the
Framework for the public consultation*



International
Office
For Water
PARIS-FRANC



International
Network
Of Basin
Organizations



Thanks fot your attention



d.valensuela@oieau.fr
www.oieau.fr
www.riob.org



International
Office
For Water
PARIS-FRANCE

At Regional Level



International
Network
Of Basin
Organizations

Exchange Network for improving dissemination of IWRM research outcomes

- identifying and describing the research programs related to IWRM in EU countries
- locating the sources of information on recent and current projects,
- organising workshops with program managers to prepare basis of LT collaboration,
- proposing new ways to develop a more demand-driven research, and a better dissemination of outputs.



International



International Network

L'eau dans le bassin Rhône-Méditerranée - portail des données sur l'eau - Microsoft Internet Explorer

http://www.rhone-mediterranee.eaufrance.fr/

Google Réseaux information eau Go 201 blocked Check AutoLink AutoFill Send to Réseaux information eau Settings Fichier

L'eau dans le bassin Rhône-Méditerranée

L'eau dans le bassin Rhône Méditerranée



Plan du Site Portail national de l'eau Qui sommes-nous ? Règles et droits Contacts Glossaire

Résultats de la surveillance

Accès à plus de 8200 stations de mesure et aux résultats
- Cartographie
- Données / Résultats

Accès thématique
- Qualité des cours d'eau
- Débits des cours d'eau en temps réel
- Qualité des eaux souterraines
- Niveau des nappes
- Rejets des collectivités
- Rejets industriels
- Eaux de baignade

Réseaux surveillance
- Informations



Eau potable

- Distribution
- Modes de gestion
- Modes de tarification
- Prix de l'eau
- 2003-2015 tendance pour le prix de l'eau ?
- Qualité de l'eau potable



Données et documents

- Liste des DOCUMENTS téléchargeables
- Liste des DONNEES téléchargeables
- Enquête de satisfaction
- DISCEAU Inventaire des dispositifs de collecte des données sur l'eau
- Foire aux questions



Risques

- Atlas des zones inondables et PPR (Plan de Prévention des Risques)
- Prévission des crues
- Inondations récentes



Gestion de l'eau

SDAGE 2009
Le Schéma Directeur d'Aménagement et de Gestion des Eaux et la Directive cadre sur l'eau (DCE)



Consultation nationale du 15 avril au 15 octobre 2008

SDAGE 1996
- Atlas
- Guides techniques

Indicateurs

- Panoramiques 2000
- Panoramique 2002

Gestion locale

- SAGE
- Contrats de milieu
- Structures de gestion locale

Gestion réglementaire

- MISE (Missions InterServices de l'Eau)
- Police de l'eau
- Zonages



Milieux continentaux

Milieux aquatiques
- Les lacs
- Zones humides
- Eaux souterraines
- Pollution par les PCB

Poissons d'eaux douces
- Les poissons
- La pêche

Poissons migrateurs
- Plan de gestion 2004-2008



Portfolio

L'eau dans le bassin Rhône-Méditerranée vue par des photographes "pros" ou "amateurs"



Littoral Méditerranéen

Le réseau littoral Méditerranéen
- Informations générales

- Données sur les milieux littoraux (méthodologie, surveillance, politique de gestion)



Situation hydrologique

- Bulletins de situation hydrologique
- Infos sécheresse
- Vigilance "Crues" (site Vigicrues)



Actualités

- Réseau de Bassin
 - Mise en ligne des données hydro de mai 2008
 - Les données téléchargeables : vous avez donné votre avis ...
 - 29 mai 2008 : 2ème comité de suivi PCB
 - 15 avril 2008 consultation du public, donnez nous votre avis ...
 - Mise en ligne des données hydro de mars 2008

RSS 2.0

Actualités Nationales

- Bulletin de Situation Hydrologique du 4 juin 2008
- Bulletin Previmer
- Bulletin de Situation Hydrologique du 9 mai 2008
- Eaux de baignade
- Bulletin de Situation Hydrologique du 10 avril 2008



Accéder aux espaces privés

Terminé

Internet

100%

démarrer

Boîte de récepti...

ONID

Interventions Pa...

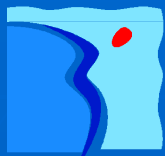
L'eau dans le ba...

Microsoft Power...

FR Mes documents

1 OIE

10:50



International

At basin level



International
Network

Réseaux et mesures : accès à 10000 stations de mesures sur l'eau. - Microsoft Internet Explorer

http://www.rdbm.com/cartordbrmc/

Go 202 blocked Check AutoLink AutoFill Send to

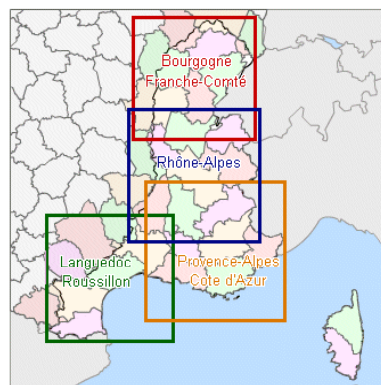
Réseaux et mesures : accès à 10000 stati...

Système d'Information sur l'eau
du bassin Rhône-Méditerranée

STATIONS DE MESURE

ACCES CARTOGRAPHIQUE AUX STATIONS DES RESEAUX DE SURVEILLANCE

Le lecteur FLASH 5 (généralement déjà installé sur votre navigateur) est nécessaire pour visualiser les cartes d'accès aux stations de mesure. Si les cartes ne s'affichent pas, vous pouvez télécharger la version 5 du lecteur ici :



Cliquer sur le nom de la région pour afficher la carte correspondante.

Le téléchargement de certaines couches peut être assez long mais une fois la couche chargée, elle peut être désactivée ou réactivée instantanément.

Cliquer sur la carte du bassin pour afficher tout le bassin Rhône Méditerranée.



Attention cette carte nécessite un ordinateur puissant et une connexion à internet haut débit (sinon les temps de téléchargement seront très longs).

064880

Internet

100%

démarrer

Boîte de récepti...

ONID

Interventions Pa...

L'eau dans le ba...

Réseaux et mes...

Microsoft Power...

FR Mes documents

1 OIEAU

10:55



International
Office
For Water
PARIS-FRANCE

Integrated information and monitoring systems

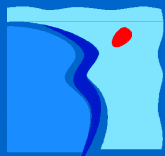


International
Network
Of Basin
Organizations

Tasks to be implemented regularly

| Data Collection & Production | Data Transmission | Storage | Interpretation |
|---|--|---|---|
| mesures prélèvements analyses localisation | automatique instantanée manuelle périodique | Banques: -thématiques -géographiques -spécialisées -générales | model systèmes- experts alerte télématique annuaires cartographie outils d'aide à la décision publications |





Eau dans la ville - Microsoft Internet Explorer
http://www.eaudanslaville.fr/

Google | Eaufrance - La politiqu... | Eau dans la ville

espace abonné

Eau dans la ville
Office International de l'Eau

Rechercher Rechercher

Guide des services | **Blog de l'eau** | **Foire aux questions**

Accueil

Le site **Eaudanslaville** est un service de l'**Office international de l'Eau** d'aide aux collectivités. Il est destiné aux EPCI, aux maires, aux élus locaux et à leurs services ainsi qu'aux entreprises délégataires. Il propose des réponses pratiques, techniques, juridiques et économiques à des questions liées à l'eau potable, l'assainissement collectif et non collectif.

Eaudanslaville vous propose plusieurs rubriques dont certaines sont marquées d'un cadenas : elles sont réservées **aux membres abonnés**, toutes les autres sont consultables gratuitement. Pour vous **abonner**.

A la une

A la Une est votre rubrique d'information sur un sujet d'actualité.

Précisions sur les indicateurs de performance du rapport sur le prix et la qualité du service : Circulaire n° 12/DE du 28 avril 2008

COMMENT mettre en place les indicateurs de performance ? La description détaillée des indicateurs de caractérisation des services et des indicateurs de performance est fournie dans une série de fiches techniques où figure le mode opératoire à suivre (...)

Blog de l'eau

Le blog d'eaudanslaville.fr vous informe des dernières évolutions techniques ou réglementaires.

Gestion des services d'eau et renouvellement de délégation de service public : 10 principes pour parvenir à une situation optimale et adaptée au contexte local

Une négociation commerciale est au cœur de la formation du prix et du contrat. Les principes proposés ci-après ont pour objectif d'aider (...)

Dernier commentaire
Je cite : "Les principes proposés ci-après ont pour objectif d'aider (...) par gael"

Guide des services | **Foire aux questions**

Pourquoi s'abonner à eaudanslaville.fr

- Contact
- Crédits
- Plan du site
- Flux RSS

RAPPORT ANNUEL DU MAIRE

Le rapport annuel du maire est un document réglementaire, cette rubrique est faite pour vous aider dans sa rédaction

- Indicateurs de performance
- Aide à la rédaction du rapport
- Posez vos questions !
- En savoir plus ...
- Forum privé

ACTUALITÉ

- Brève** : 10 juin 2008 - ECOLE d'ETE : "Innovations pour la gestion de l'eau en Méditerranée (...)"
- Evènement** : Vient de paraître : Les réseaux d'assainissement. Calculs, applications, (...) - 17 juin 2008
- Librairie** - Les différents types de réseaux

Internet 100%



"AQUADOC-INTERNATIONAL-CEE"



International
Office
For Water
PARIS-FRANCE

International
Network
Of Basin
Organizations

Adresse http://aquadoc.oieau.fr/ml/?lg=eng

Liens



[Presentation](#) [News](#) [Mailing-lists](#) [Newsgroups](#) [Live!](#)

Search

- Countries choice :

- France
- Poland
- Rumania
- Hungary
- Czech republic

- Type of information :

Documentary DB

[Help](#)

[Site map](#)
[Contact us](#)



Search

Countries choice : France - Poland - Rumania - Hungary - Czech republic

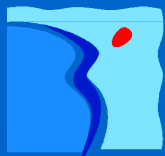
Type of information :

Documentary DB

[Help](#)



Internet



Actualités

Comprendre

Observer et évaluer

Agir et participer

Les dernières actualités



Bulletin de Situation Hydrologique du 4 juin 2008

13 juin 2008. Le bulletin de situation hydrologique du 4 juin 2008 vient d'être publié. Le mois de mai a été largement arrosé : les précipitations ont été largement supérieures à la normale sur une très grande partie du pays, et notamment sur la Bretagne, l'est de la chaîne pyrénéenne, le bassin (...)

Bulletin Previmer

14 mai 2008. Le bulletin PREVIMER vous apporte une description synthétique de l'état physique et biologique de l'océan côtier ; il est une aide à la compréhension du milieu pour les acteurs du littoral et de la pêche. Le projet PREVIMER concerne les façades Atlantique, Manche et Méditerranée (...)

Bulletin de Situation Hydrologique du 9 mai 2008

14 mai 2008. Le bulletin de situation hydrologique du 9 mai 2008 vient d'être publié. Le mois d'avril a été largement arrosé sur une grande partie du territoire métropolitain, ce qui a permis de compenser en grande partie le déficit des mois précédents, néanmoins, les pluies ont été très (...)

Eaux de baignade

12 mai 2008. L'Afsset analyse l'impact sur le classement des eaux de baignades de la nouvelle directive européenne et évalue les risques sanitaires pour les baigneurs. A partir de 2015, entrera en vigueur une nouvelle directive européenne réglementant la qualité des eaux de baignade naturelles (...)

Bienvenue sur eaufrance

eaufrance, le portail de l'eau

Ce site a pour but de faciliter l'accès à l'information publique dans le domaine de l'eau en France.

Vous y trouverez :

- des informations générales sur la ressource en eau, les milieux aquatiques et leurs usages, les acteurs de l'eau, les risques et la politique publique de l'eau ;
- des liens vers des sites web diffusant des données d'observation et d'évaluation, ou consacrés à l'action (planification, gestion de l'eau et de l'assainissement, la réglementation, etc.) et à la participation (le droit à l'information, la concertation, la formation, les métiers, etc.).

Ce portail est le point d'entrée du **Système d'information français sur l'eau**.

Et sur la **toile d'eaufrance**, d'autres sites thématiques :

- **Ades** : accès aux données sur les eaux souterraines
- **Economie** : accès aux données économiques de l'eau
- **Gest'eau** : le site des outils de gestion intégrée de l'eau
- **Hydro** : banque nationale de données sur l'hydrométrie et l'hydrologie
- **Image** : accès aux données sur les poissons dans les cours d'eau
- **Sandre** : le portail sur la normalisation et les données de référence sur l'eau
- **Surveillance** : les programmes de surveillance de l'état des eaux
- **Zones conchylicoles** : atlas des zones conchylicoles

Le portail du **système d'information européen sur l'eau** :

- www.water.europa.eu

Le saviez-vous ?

L'hydrosphère

Près de 75% du globe est couvert d'eau. Il contient 1 424 192 640 km³ d'eau et ce volume ne varie pas.

La presque totalité de cette eau (97%) est salée. La majeure partie de l'eau douce (59,85%) est gelée, notamment dans les calottes glaciaires des pôles Nord et Sud ; les scientifiques estiment que le niveau de la mer s'élèverait d'environ 600 mètres si ces calottes devaient fondre. Moins de 0,03 % de l'eau de notre planète s'avère directement consommable

Plus de la moitié des espèces animales et végétales vivent dans l'eau.

L'eau est donc un élément majeur de la biosphère : l'eau représente 65 à 99 % de la masse d'un organisme ou d'une cellule. Le corps humain contient environ 70% d'eau. Nos aliments sont surtout constitués d'eau : tomate (95%), épinards (91%), lait (90%), pommes (85%), boeuf (61%), etc. L'organisme humain a besoin d'un minimum de 2 litres d'eau par jour et il ne peut survivre que quelques jours sans eau.

Rechercher

Mots clés

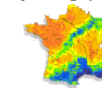
► [Plan du site](#)

► [Glossaire](#)

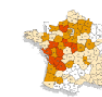
► [Accès géographique](#)



► [Bulletin de situation hydrologique](#)



► [Carte sécheresse](#)



► [Vigicrues](#)



- [Contacts](#)
- [FAQ](#)
- [Informations légales](#)
- [Accessibilité](#)
- [RSS](#)



International
Office
For Water
PARIS, FRANCE

At basin Level



International
Network
Of Basin
Organizations

Microsoft Internet Explorer browser window showing the SANDRE.GEOVIEWER application interface.

Address bar: <http://sandre.eaufrance.fr/geoviewer/>

Page Title: [Le site du SANDRE.EAUFRANCE.FR:GeoViewer] :: - Microsoft Internet Explorer

Navigation: Go, Bookmarks, 203 blocked, Check, AutoLink, AutoFill, Send to, Settings, Fichier

Map Interface:

- Sandre** logo and navigation icons (Zoom, Pan, Info, etc.)
- ALLEZ VERS ...** (Navigation controls)
- CHOIX DES DONNÉES** (Data Selection Panel):
 - RECHERCHE D'INFORMATIONS SUPPLÉMENTAIRES
 - AIDE
 - STATIONS DE MESURE:
 - Eaux de surface : qualité
 - Eaux de surface : quantité
 - Eaux littorales : qualité
 - Eaux souterraines : qualité
 - Eaux souterraines : quantité
 - Pluviométrie
 - ZONAGES:
 - Circonscription de bassin
 - Bassins DCE
 - Zones réglementaires et de programmation
 - Hydrographie
 - Hydrogéologie
 - Littoral
 - OUVRAGES:
 - Installations Portuaires
 - Stations d'épuration des collectivités
 - Etablissements industriels ayant un rejet dans l'eau
 - CARTE DE FOND:
 - Données administratives BDCartho / Scan 25 (Source IGV)
 - Images satellites : Image 2000 (source JRC)
 - Altitude (source GTOPO30)
 - Géologie (source BRGM)
 - COUCHES DISTANTES:
 - Couches distantes
- Map showing a river network with various data points (red squares, blue circles) overlaid.
- Scale: Lambert II étendu, 0 2 4 6 8 km
- Options: Informations sur la carte (Projection, ...), Echelle, X,Y: 359955 / 1980094, Options avancées
- Footer: [RSS 2.0](#) | [Accueil](#) | [Qui est le Sandre ?](#) | [Plan du site](#) | [Contact](#)

System tray: Terminé, mais il existe des erreurs sur la page. Internet 100%