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HIDROGRÁFICA DEL
GUADALQUIVIR, O.A.



Con el apoyo de:

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ÉTABLISSEMENT PUBLIC DE L'ÉTAT



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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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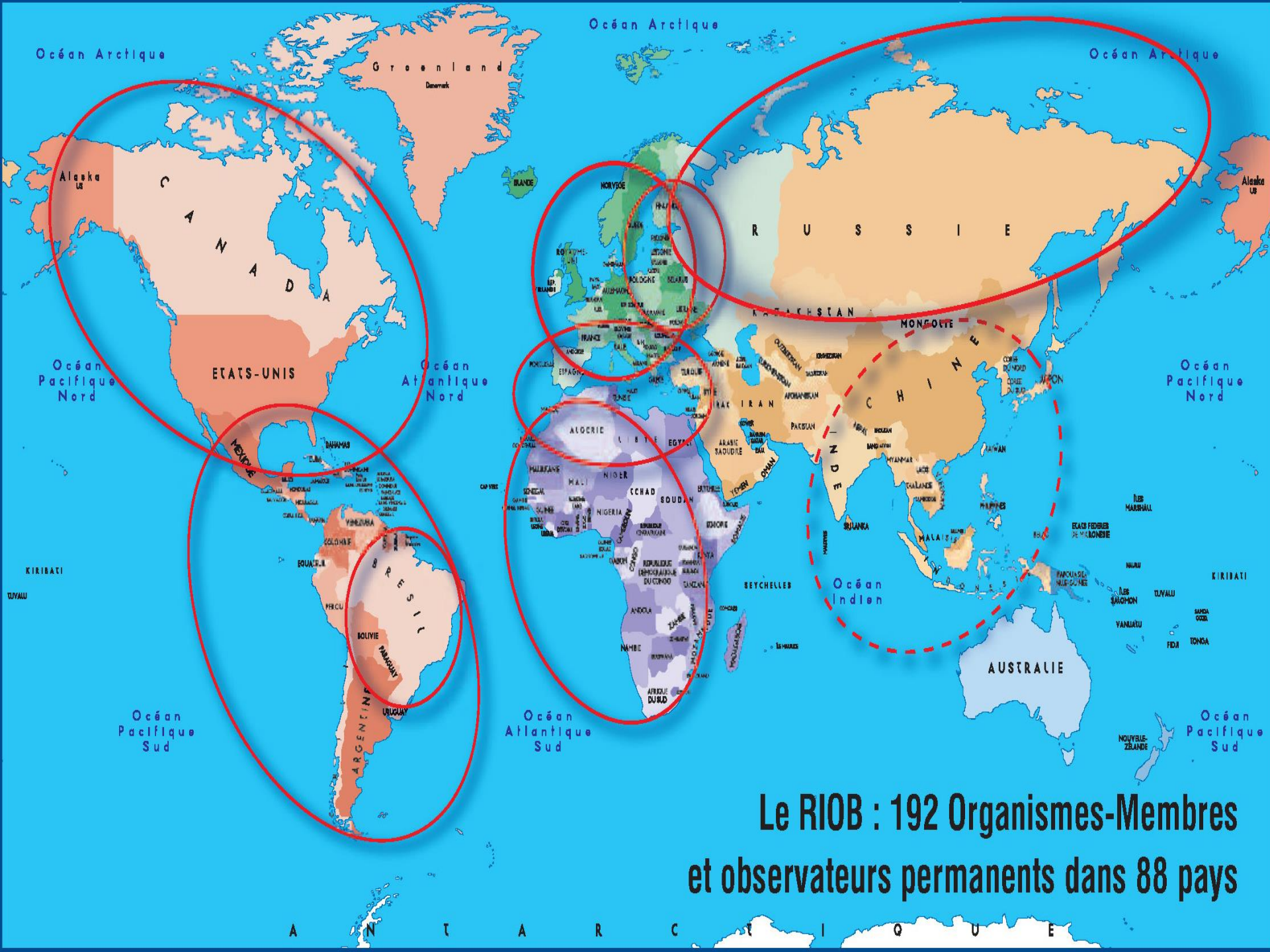
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Jean-François DONZIER
Secrétaire General

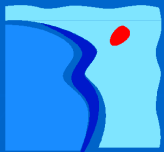
RÉSEAU INTERNATIONAL ORGANISMES DE BASSIN

Mr. Jean - François DONZIER
General Secretary

INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS



**Le RIOB : 192 Organismes-Membres
et observateurs permanents dans 88 pays**



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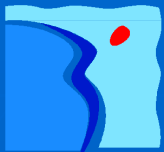
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**UN GRAND MERCI
A NOS AMIS ESPAGNOLS
POUR LEUR MERVEILLEUX ACCUEIL!!**

**¡MUCHAS GRACIAS
A NUESTROS AMIGOS ESPAÑOLES
POR SU BIENVENIDA MARAVILLOSA!**

**THANKS
TO OUR SPANISH GUESTS
FOR THEIR MARVELOUS WELCOME!!**



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EURO-RIOC 2018

EUROPE-INBO 2018



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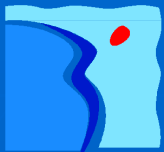


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International Network of Basin Organizations European Group of Basin Organizations EUROPE-INBO

16th International Conference “EUROPE-INBO 2018”

**ON THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE
SEVILLE – SPAIN – 17- 20 October 2018.**



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La conférence porte sur les grands thèmes d'actualité de la mise en œuvre des Directives européennes dans les districts hydrographiques nationaux et transfrontaliers.

The meeting will focus on the major current topics on the implementation of the Framework Directive (WFD) in the National and Transboundary River Basin Districts.

16th International Conference "Europe-INBO 2018" Seville - Spain - 17 - 20 October 2018 (v6)

Implementation of the European Water Directives

- **Wednesday 17 October**
- 10:30 Workshop on "Invasive Alien Species: prevention and management solutions".
17:00 INBO World Liaison Bureau.
20:00 **Welcoming Cocktail.**
- **Thursday 18 October**
- 09:00 **Official Conference opening ceremony.**
10:00 **Message of the DG Environment - European Commission.**
10:15 **Presentation of Water Governance in Spain and in the Guadalquivir Basin.**
12:15 **Objectives and actions of INBO and "Europe-INBO" Group of European Basin Organizations.**
12:45 **Lunch.**
14:15 **Roundtable N° 1: Prevention of drought: Adaptation planning at the basin level, reuse and desalination.**
16:30 **Roundtable N° 2: Efficiency and multiple benefits: the interest of combining Hydraulic infrastructure and nature-based solutions to face the issues of climate change.**
20:00 **Official Gala Dinner.**
- **Friday 19 October**
- 09:00 **Roundtable N° 3: International Cooperation: Twinning and Peer-to-peer Exchanges, Neighbourhood area, Transboundary waters.**
11:15 **Roundtable N° 4: Revision of the Water Framework Directive (WFD): improve coordination with other European Directives (Marine SFD, Flood, Renewable Energy Directives...).**
13:00 **Lunch.**
14:30 **International and regional initiatives: actions of partners (eg climate change, Sustainable Development Goals, Governance, Cooperation).**
16:00 **Reporting of workshop and roundtables.**
16:30 **Approval of the Seville Declaration and Official Closing Ceremony.**
17:00 **End of works.**
18:00 **Closing Cocktail.**
- **Saturday 20 October**
- 09:00 **Technical and cultural visit of Seville.**

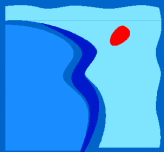


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To participate,
Please register!

www.inbo-news.org



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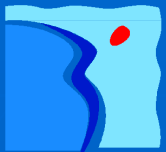
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1st Drafting of the Seville Europe-INBO Declaration:

**1er brouillon
de la déclaration Euro-RIOB de Séville:**



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**Implementation of
the European Water Framework Directive
in the 28 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.**

Directive 2000/60/EC of 23 October 2000

establishing a framework for the Community action in the field of water policy.



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**



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SECRETARÍA
DE ESTADO
DE AGUAS Y COSTAS

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DEL JÚCAR



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European Group of Basin Organizations EUROPE-INBO

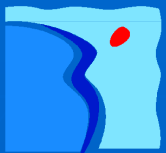
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“EUROPE-INBO 2013”



13-16 November 2013 - Plovdiv, Bulgaria.



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12th International Conference "EUROPE-INBO 2014"



**13-15 November 2014
Bucharest, Romania**

21-24 October 2015
Thessaloniki , Greece



La 13ème Conférence "EURO-RIOB 2015"
POUR L'APPLICATION DES DIRECTIVES EUROPEENNES SUR L'EAU

13th International Conference "EUROPE-INBO 2015"
FOR THE IMPLEMENTATION OF THE EUROPEAN WATER DIRECTIVES





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**14th International Conference
"EUROPE-INBO 2016"
ON THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE
Lourdes, France 19 – 22 October 2016.**



15th International Conference "Europe-INBO 2017" Dublin - Ireland - 20 - 23 September 2017



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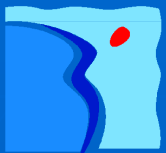
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**Confirmation of the choice
to host the next "EUROPE – INBO" conference:**

- **FINLAND in June 2019.**
- **MALTA in 2020**



iwrm-net



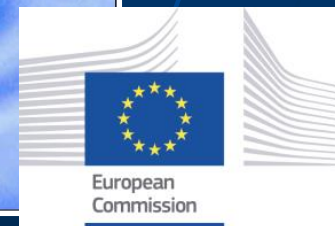
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Science-Policy Interface



SPI-Water





Natural Water Retention Measures

**Pilot Project - Atmospheric Precipitation -
Protection and efficient use of Fresh Water:
Integration of Natural Water Retention
Measures in River basin management**
Service contract n°07.0330/2013/659147/SER/ENV.C1

The NWRM project Key elements

OIEau, Coordination team

**Web-based knowledge
Community of practice
NWRM practical guide**



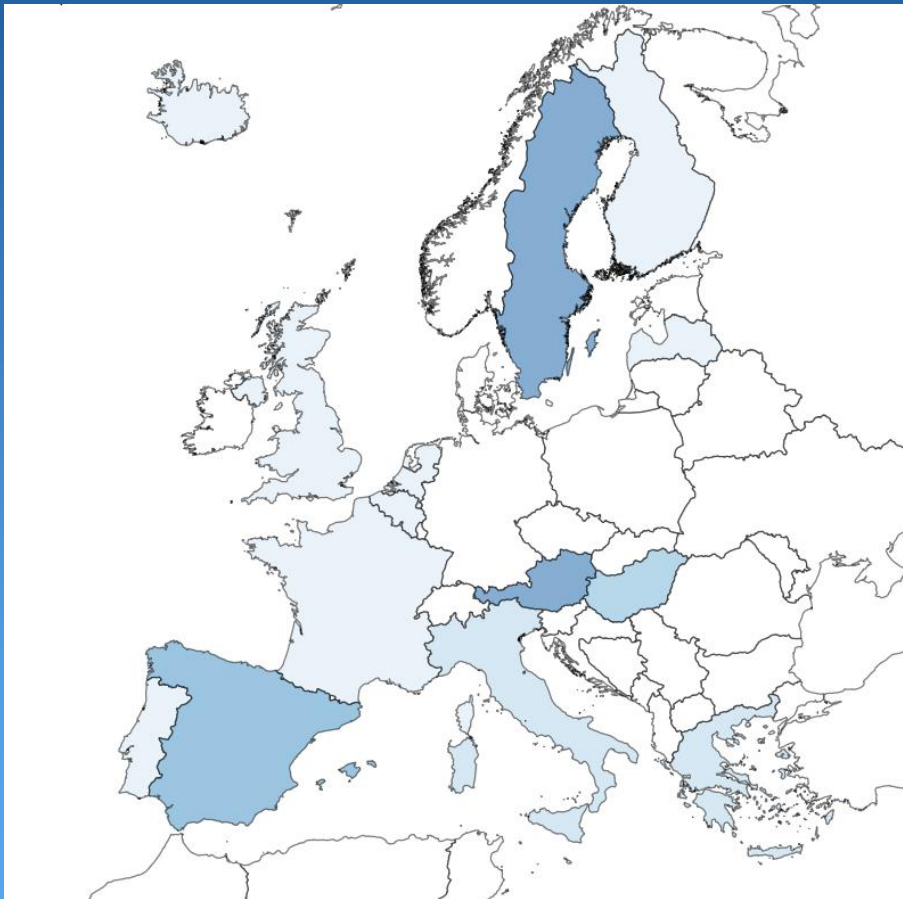
“THE PEER REVIEW MECHANISM”

For mobilizing the practitioners of RBDs and their competent authorities which will voluntarily submit RBMPs to the review performed by experts from other similar authorities of other EU Countries



A peer-to-peer support process

to facilitate improved Water Framework Directive
and Floods Directive implementation



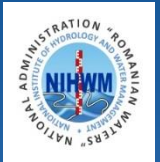
Today....

- 8 potential Expressions of Interest from 8 Countries

- 36 Potential reviewing experts from 14 Countries

peertopeer@oieau.fr

www.aquacoope.org/peertopeer





30 EU WATER TWINING FOR 1999

30 Jumelages sur l'eau depuis 1999



BELARUS



MOLDOVA



UKRAINE



ARMENIA



AZERBAIJAN



GEORGIA

EU MEMBER STATES CONSORTIUM:



AUSTRIA



FRANCE



CROATIA

INTERNATIONAL ORGANISATIONS:



UNECE



OECD

BETTER POLICIES FOR BETTER LIVES



UNECE



OECD

BETTER POLICIES FOR BETTER LIVES

umweltbundesamt^U
ENVIRONMENT AGENCY AUSTRIA



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HRVATSKE VODE

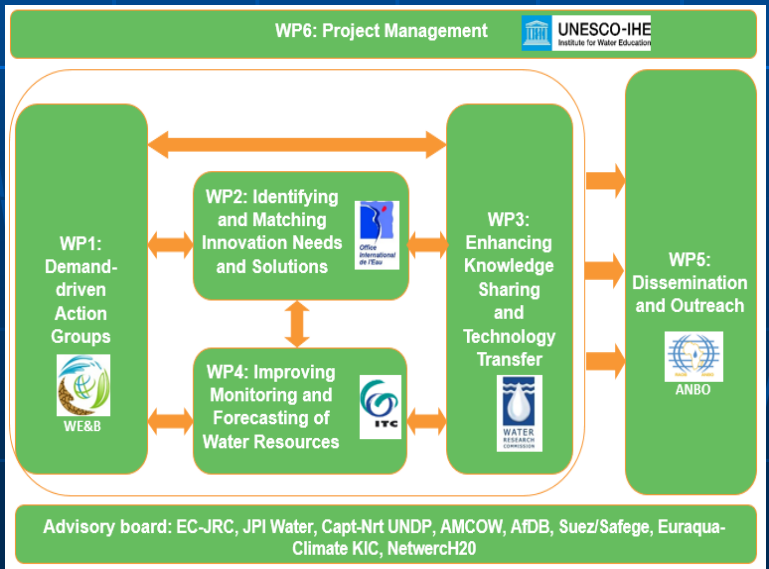


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Afri-Alliance (Afri-EU Innovation Alliance for water and Climate)

EU H2020 project , 2016-2021 - 16 partners

Objectif: permettre aux acteurs africains et européens du monde de l'eau de travailler ensemble sur les thèmes de l'innovation, de l'interface science politique pour développer les capacités de l'Afrique à répondre aux enjeux liés au changement climatique.

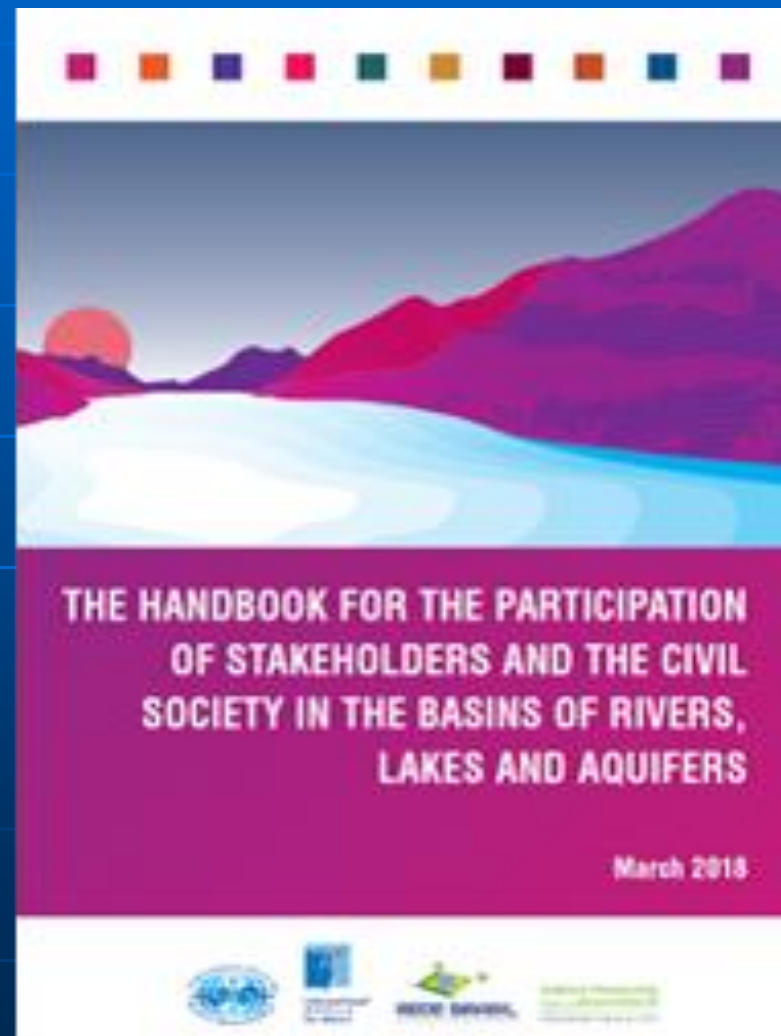
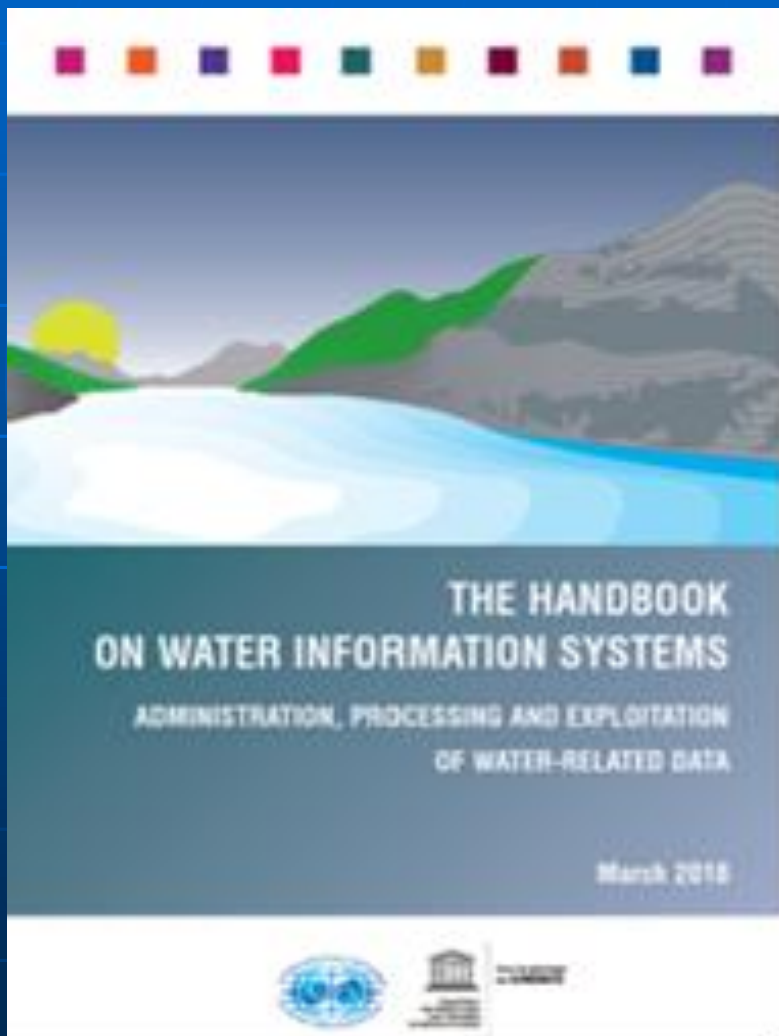




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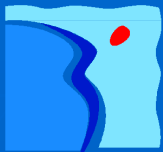


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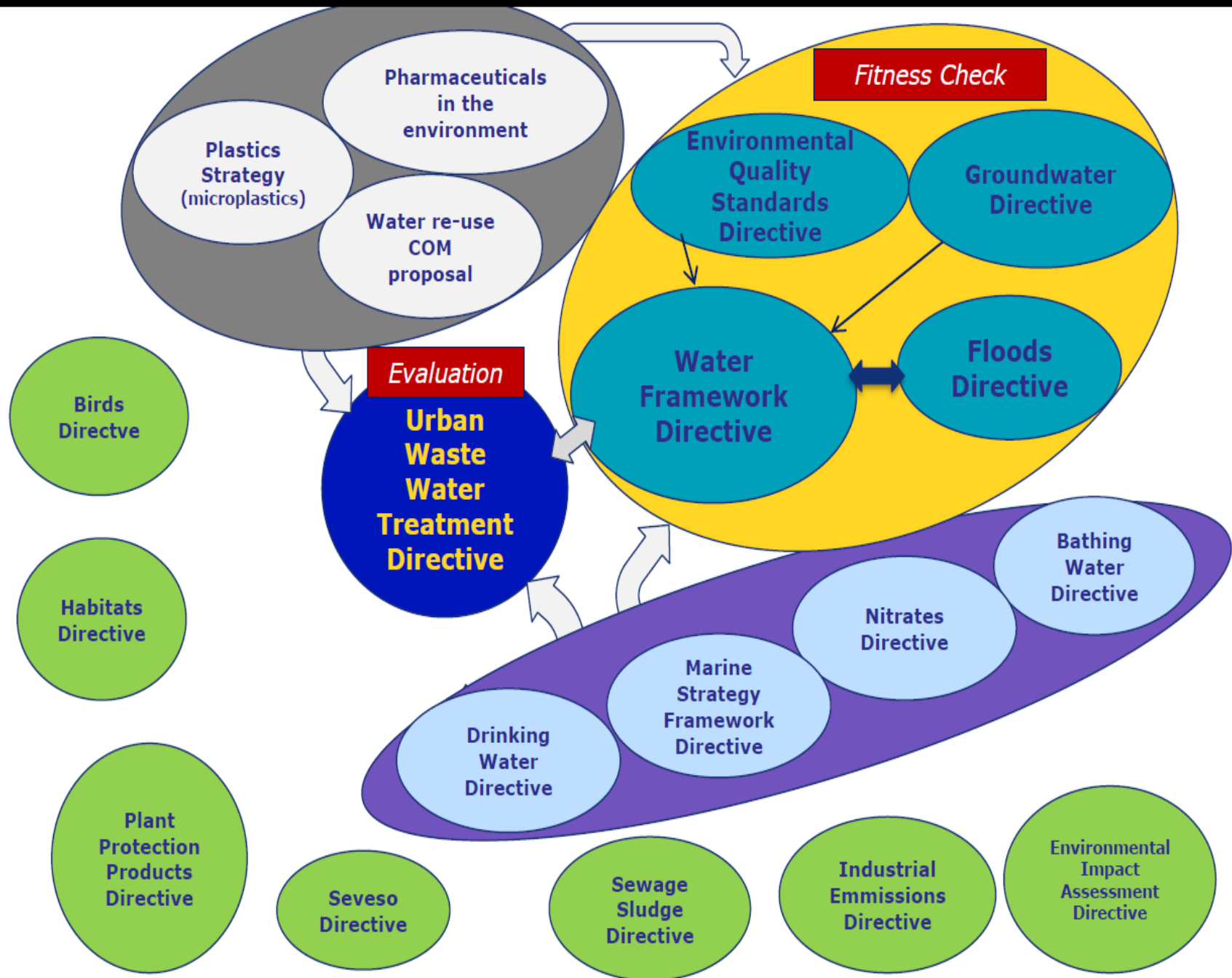
In the European Union, for the first time in the World,
28 EU countries + 2 adopted
The same basin oriented approach!

■ **Directives:**

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

■ **+ quantitative and adaptive water management issues:**

- **Communication on Water Scarcity and Drought**
- **Policy paper accompanying the White Paper on Adapting to Climate change on Water, Coasts and Marine Issues.**





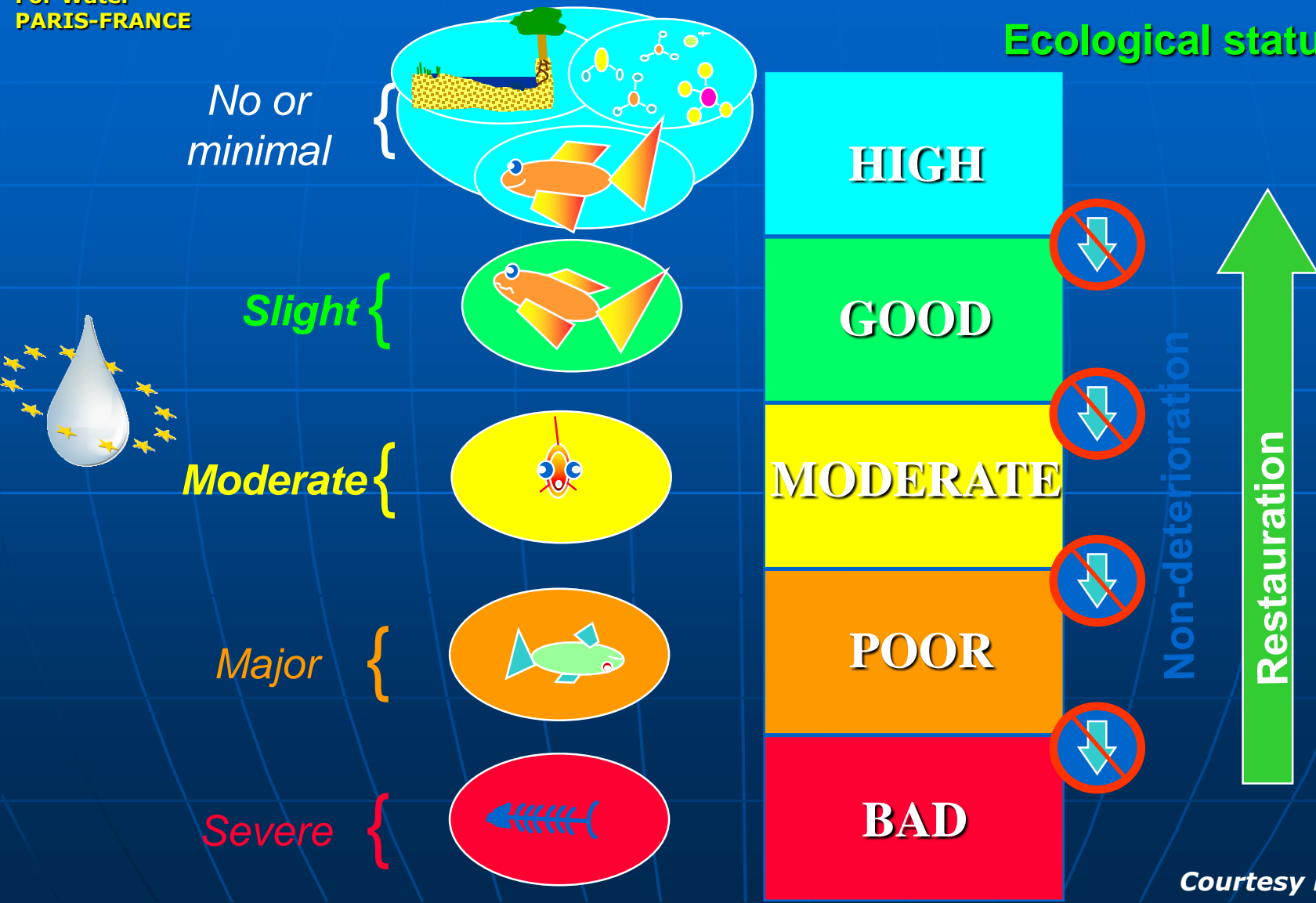
A SIGNIFICANT PERCENTAGE OF WATER BODIES DID NOT REACH "GOOD STATUS" IN 2015.



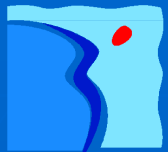
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Ecological status



Courtesy Peter Pollard



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As everything is linked in each Water Body,
for a real implémentation of the WFD,



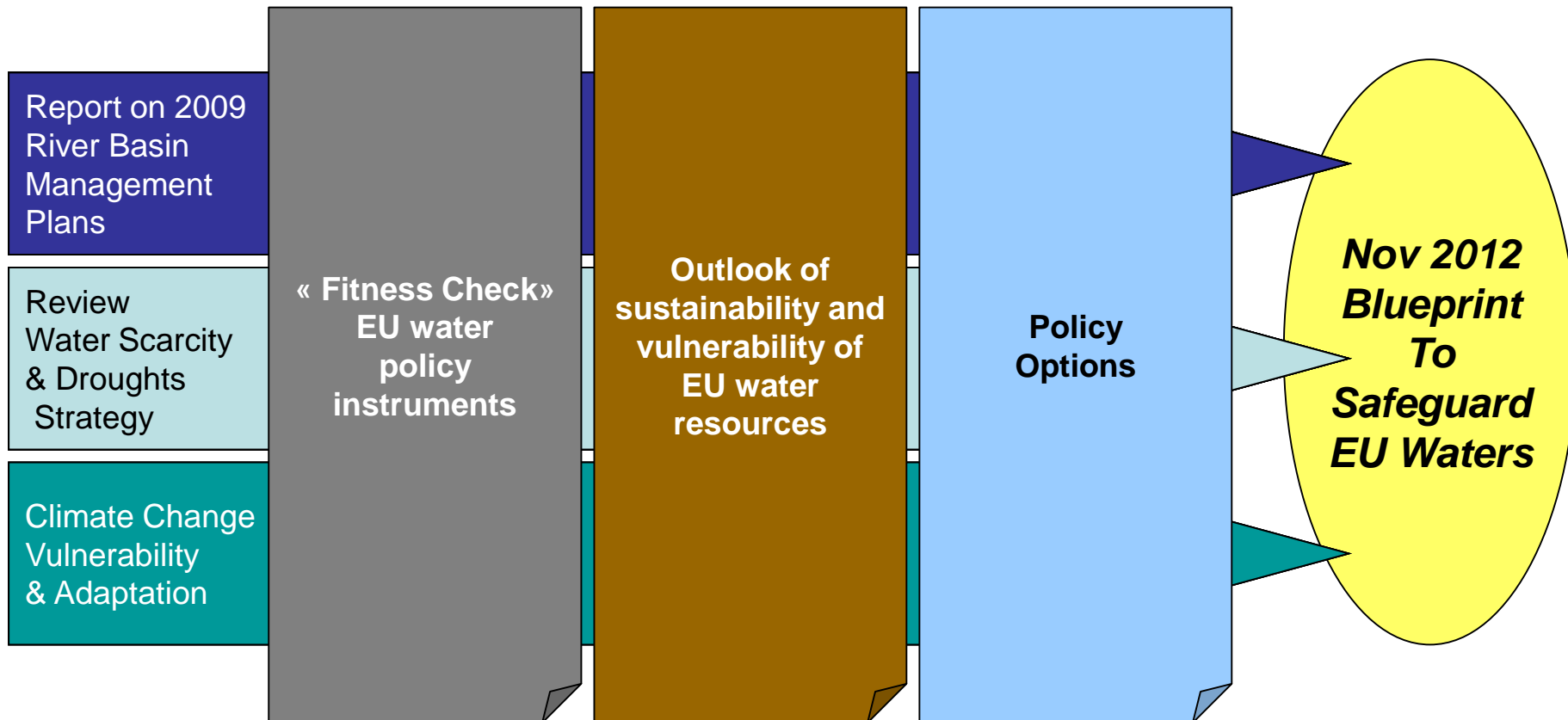
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it's important to take into account:

- 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, agriculture, the prevention
.....and protection against floods
and droughts...

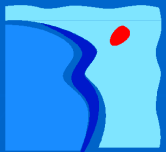
Synthesis of policy recommendations building on on-going assessments

Impact Assessment



Assessment of RBMPs identified...

- **Hydromorphological alteration and diffuse pollution**
are the most significant issues
leading to massive failure in WB status.
- **Measures implemented until now have been insufficient.**
- **The main causes** of negative impacts on water status
are interlinked with climate change, land use,
economic activities, agriculture, tourism, urban development
and demographic growth.....



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Une des principales questions à aborder aujourd'hui:
Quand et par quels moyens va-t-on pouvoir atteindre
le bon état écologique des eaux
et des écosystèmes aquatiques dans l'Union Européenne ?

One of the key issues is now:

When and with that means will it be possible
to reach in the EU the « Good Statute » of our fresh waters
and aquatic ecosystems?

Quels sont les enjeux principaux?

What are the main challenges?

Quelles sont les difficultés et les délais raisonnables?

What are the difficulties and a realistic agenda?



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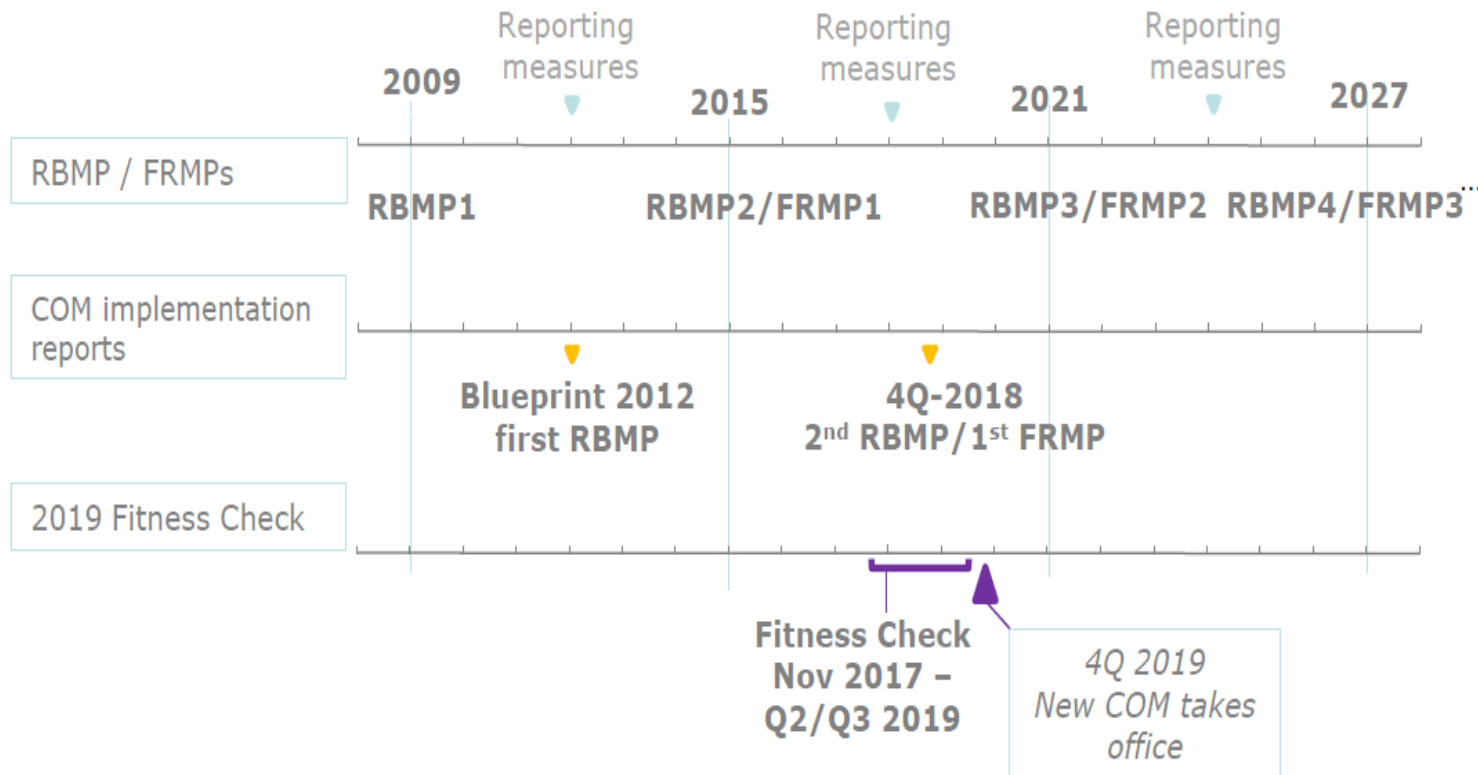
Improve Implementation more than create new regulations



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- ***Improving the implementation of current EU water policy;***
- ***Fostering the integration of water and other policies;***
- ***But also preparing the WFD REVIEW for 2019***

WFD and FD - timetable for implementation reports and Fitness Check



Fitness Check

Some important issues to be raised during the evaluation

Apparent insufficient progress on achieving WFD objectives

One-out-all-out principle

Governance

Non-deterioration obligation

Definition of 2 different status - chemical and ecological

Flexibility through exemptions

2027 final deadline for application of exemptions

Quantification of costs and benefits

Reporting tools (WISE)

Policy coherence (agriculture, energy, transport)

Climate change and water quantity / water quality

Water pricing, and polluter pays principle

Floods Directive - overarching progress indicator

Duration of the RBMPs cycles, and reporting cycles of other related law

Integration of the objectives of protected areas within the RBMPs

Link drivers-pressures-measures

The Water Directives: WFD, FD, & Daughter Directives (GWD, PSD)



- Mainly a success story
 - Harmonizing the approach and methods we are dealing with water in the EU
 - Increased knowledge about what our water (SW/GW) need for a good status
 - Increased the awareness of the resource water especially in regards of the different pressures
 - It has enhanced the cooperation between the stakeholders and the authorities through the measures implemented in the RBMP

But MS strongly believe WFD needs a revision !

How can we make the WFD fit for the future while maintaining a high level of ambition?



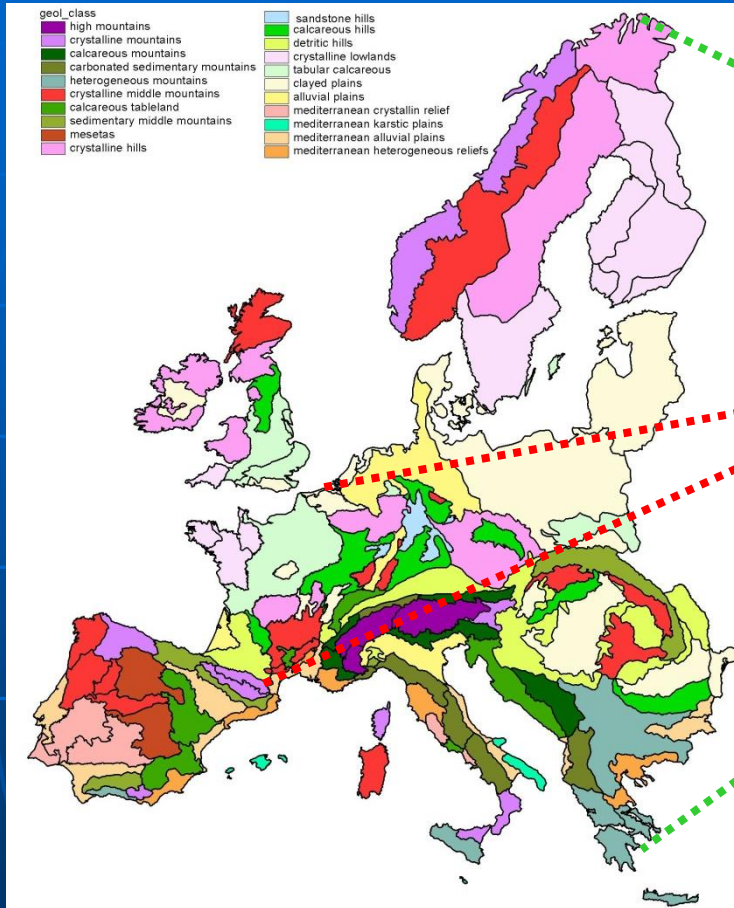


Strengthening Water Information Systems In each Member- States



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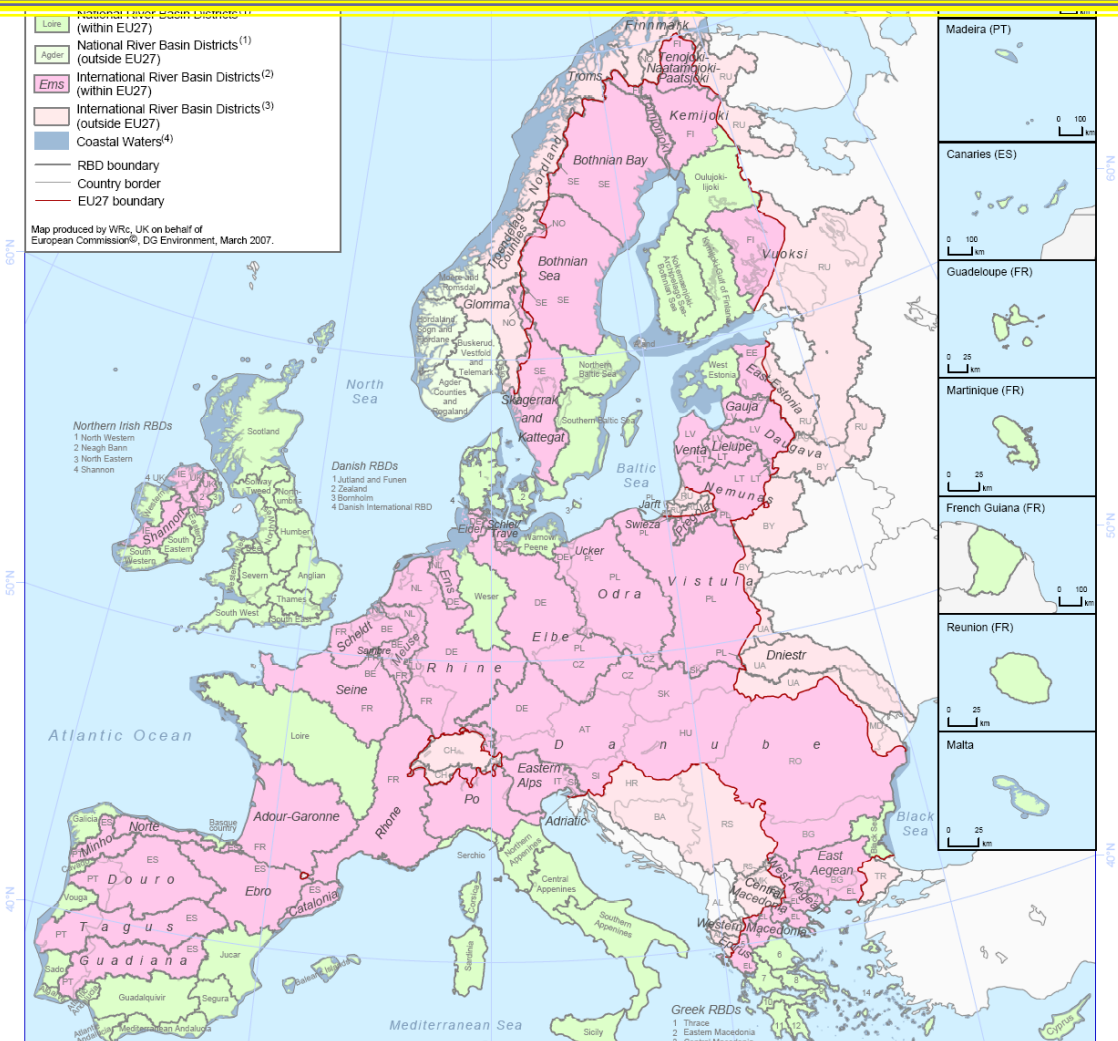
- Integrated information and monitoring systems which are reliable, representative, harmonized and easily accessible, and specific research should be organized in each basin,

110 RIVER BASIN DISTRICTS HAVE BEEN ESTABLISHED 40 ARE INTERNATIONAL RIVER BASIN DISTRICTS



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**HUGE WORK IS STILL NEEDED:
MANAGEMENT PLANS OF INTERNATIONAL RIVER BASIN DISTRICTS
STILL TOO OFTEN LOOK LIKE A PATCHWORK OF NATIONAL ELEMENTS**



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**AS THE RESTORATION OF AQUATIC ENVIRONMENTS
IS OF PRIME IMPORTANCE
FOR ACHIEVING GOOD STATUS,
THE MEANS DEVOTED TO WETLANDS
AND HYDROMORPHOLOGY MUST BE INCREASED.**



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WE MAY CALL FOR A TRUE MOBILIZATION CONCERNING AGRICULTURE:

**IT WILL BE VERY DIFFICULT TO OBTAIN POSITIVE RESULTS
ON THE QUALITY OF WATER AND ECOSYSTEMS,
AND EVEN IN 2027 ...
WITHOUT NEW AMBITIOUS MEASURES
WITHIN THE COMMON AGRICULTURE POLICY!**



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HOW CAN WE APPLY THE « RENEWABLE ENERGY » DIRECTIVE AND THE “WFD” AT THE SAME TIME?



UNE OBLIGATION DE RESULTAT OBLIGATION OF RESULTS



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Directive
énergies renouvelables,

Réseau transeuropéen de
navigation fluviale

Directive milieu marin,

adaptation
au changement climatique

Directive inondations

prévention
des sécheresses,

*BON
ETAT*

Directive - Cadre,

Réforme de la PAC,

Mettre en cohérence le « millefeuilles » des textes communautaires !
Improve coherency between various European policies 😊 😊



**IF WE ARE NOT ABLE TO MOBILIZE ENOUGH MONEY,
WE SHALL NOT HAVE THE FRESH WATER WE NEED!**

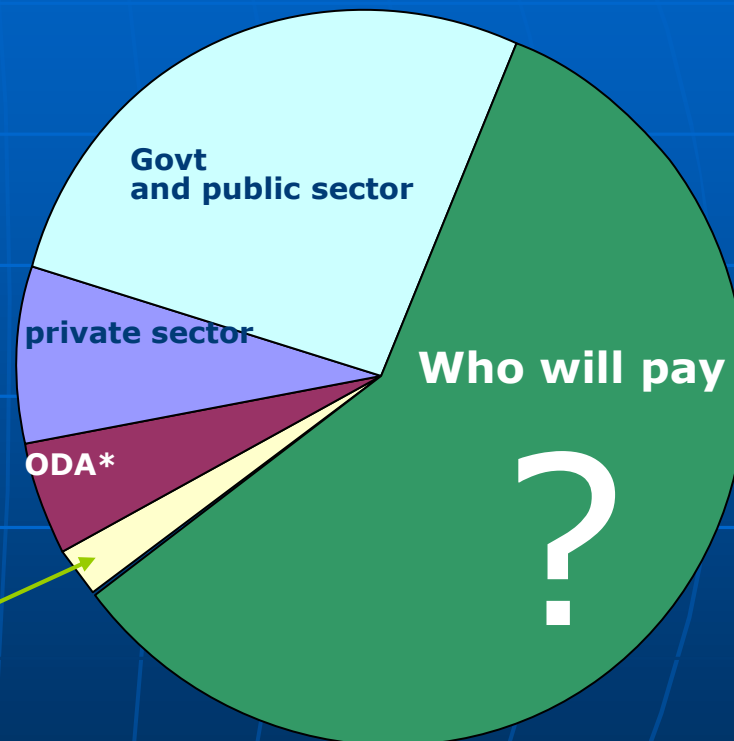
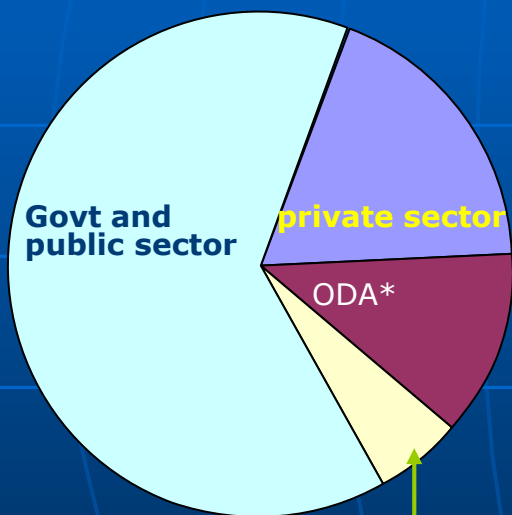


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FOR THE NEXT YEARS

NOW



International firms

* Official Development Assistance



TRANSPARENCY OF COSTS AND POLLUTER-PAYS PRINCIPLE:



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 -

Communication with the public and reporting issues

- Create a public participation in a more effective and less prescriptive way
 - Make use of the new electronic media that exist nowadays to lighten the hearings
 - Combine the RBMP and the PoM and reduce the 6 month period actually foreseen
- Communication on Progress : A pre-eminent concern for all MS
 - We have collectively failed to communicate the positive results so far
 - The one-out-all-out principle does not reflect the positive trends made towards good status and all the efforts accomplished by MS so far
- Reporting issues on RBMP and PoM and FRMP
 - Because of administrative complexity, failed to interest the greater public
 - Current reporting procedure is of considerable burden for all MS (blocks resources not available for water real management issues)
 - Streamlining of reporting was also the aim of EU COM Fitness Check



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THE EUROPEAN UNION'S FLOODS DIRECTIVE PLANS A NEW APPROACH PASSING THROUGH:

- A PRELIMINARY FLOOD RISK ASSESSMENT**
- THE SELECTION OF AREAS WITH SIGNIFICANT POTENTIAL FLOOD RISK,**
- HAZARD AND RISK MAPPING OF THESE AREAS,**
- APPROVAL OF FLOOD RISK MANAGEMENT PLANS ,**
- AND OF THEIR PROGRAMMES OF MEASURES BY DECEMBER 2015.**

**IN THE TRANSBOUNDARY BASINS IN PARTICULAR,
COOPERATION BETWEEN RIPARIAN STATES SHOULD BE PROMOTED
FOR JOINTLY LOOKING FOR COORDINATED SOLUTIONS
AND FOR SHARING INFORMATION AND RESPONSIBILITIES..**



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WITH REGARD TO DROUGHTS:

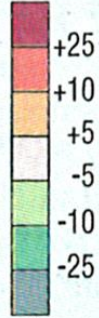


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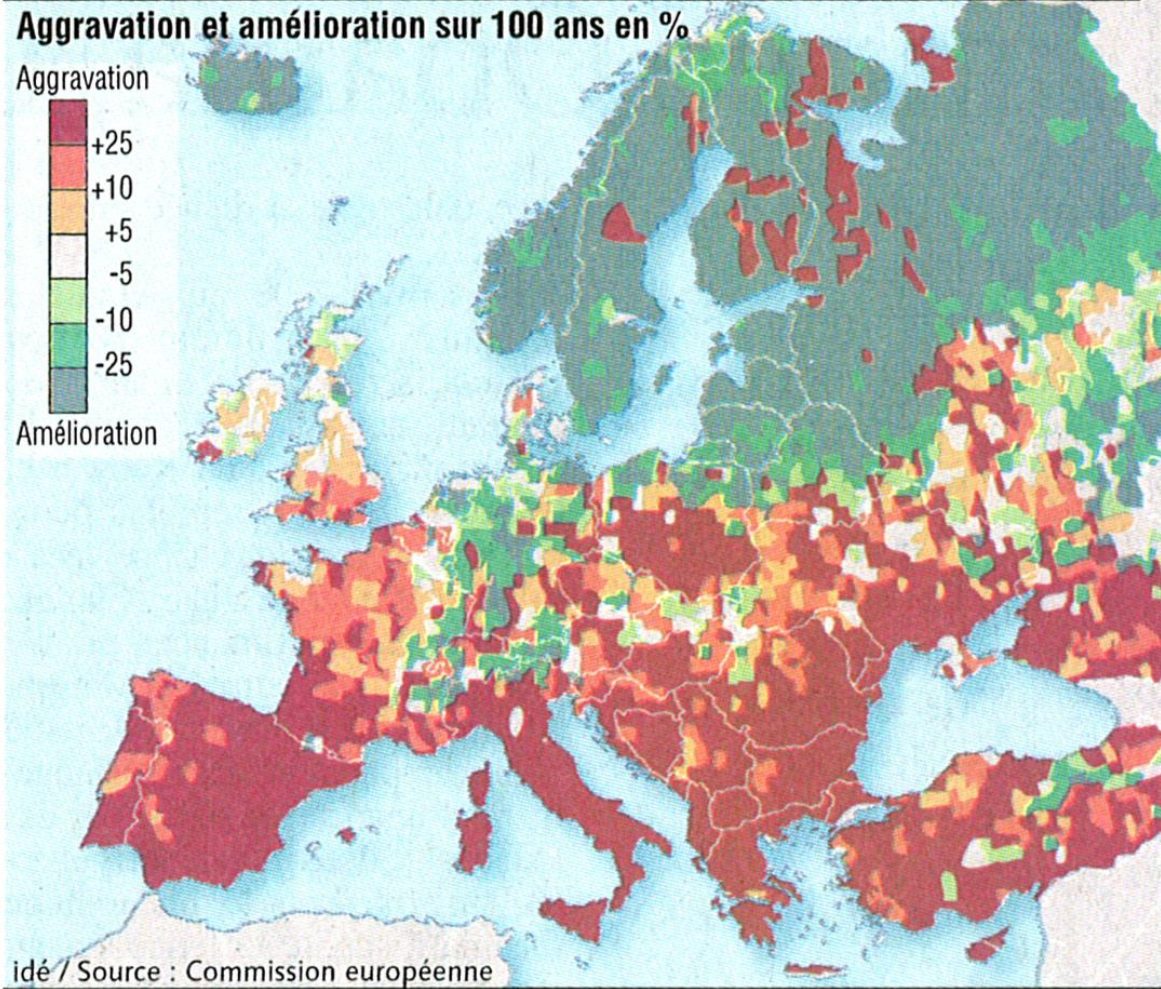
L'évolution des sécheresses en Europe (de 1970 à 2070)

Aggravation et amélioration sur 100 ans en %

Aggravation



Amélioration



idée / Source : Commission européenne



**International
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For Water
PARIS-FRANCE**

WITH REGARD TO DROUGHTS:



**International
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Organizations**

- **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,**
- **INFILTRATION OF WATER INTO THE SOILS**
- **NATURAL WATER RETENTION MEASURES...**

... MUST BECOME PRIORITIES.



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- Main outcome of our internal discussions: large consensus that MS have the ambition to continue the efforts !
 - Many MS need more time because of technical feasibility and disproportionate costs
 - All MS have to deal with uncertainties, new knowledge and new challenges, they have to integrate these facts into their water management
- Take into account of uncertainties and extension of the deadline beyond the 2027 should be considered
 - Continuous MS efforts should not be frustrated by numerous infringement procedures in front of the CJEU because of not reaching targets
 - Shifting baseline phenomena (e.g. climate change) could not possibly be foreseen by the founding fathers of the directive
 - New scientific insights trigger legislative flexibility and adaptations
- Practicalities of this solution include:
 - Measures to deal with the uncertainties beyond the 2027 horizon
 - Better management for large-scale (and diffuse) pressures that could now be better incorporated and their solutions integrated
 - Several MS propose at least 3 more cycles up to 2045 to avoid lowering the objectives and minimizing loss of ambition
 - Streamlining other optimization processes (e.g. common monitoring) and efforts in EU environmental policies



THANK YOU FOR YOUR ATTENTION!
MERCI DE VOTRE ATTENTION!

Réseau International des Organismes de Bassin
International Network of Basin Organizations
Red Internacional de Organismos de Cuenca

Международная сеть водохозяйственных организаций,
uluslararası havza organizasyonları ağı

الشبكة الدولية لهيئات الأحواض