

A high-speed photograph of four hands, two from the top and two from the bottom, holding a circular splash of water. The water is captured in mid-air, creating a dynamic, circular shape with many small droplets. The hands are positioned at the top-left, top-right, bottom-left, and bottom-right corners of the frame, with their fingers curled as if holding the water. The background is a plain, light color.

TOGETHER WE MAKE WATER A GLOBAL PRIORITY



THE 7th DAEGU/GYEONGBUK[®]
WORLD WATER FORUM

**DAEGU & GYEONGBUK, KOREA
12-17 APRIL 2015**

FROM THE 6TH TO THE 7TH AND 8TH FORUM



Marseille
2012

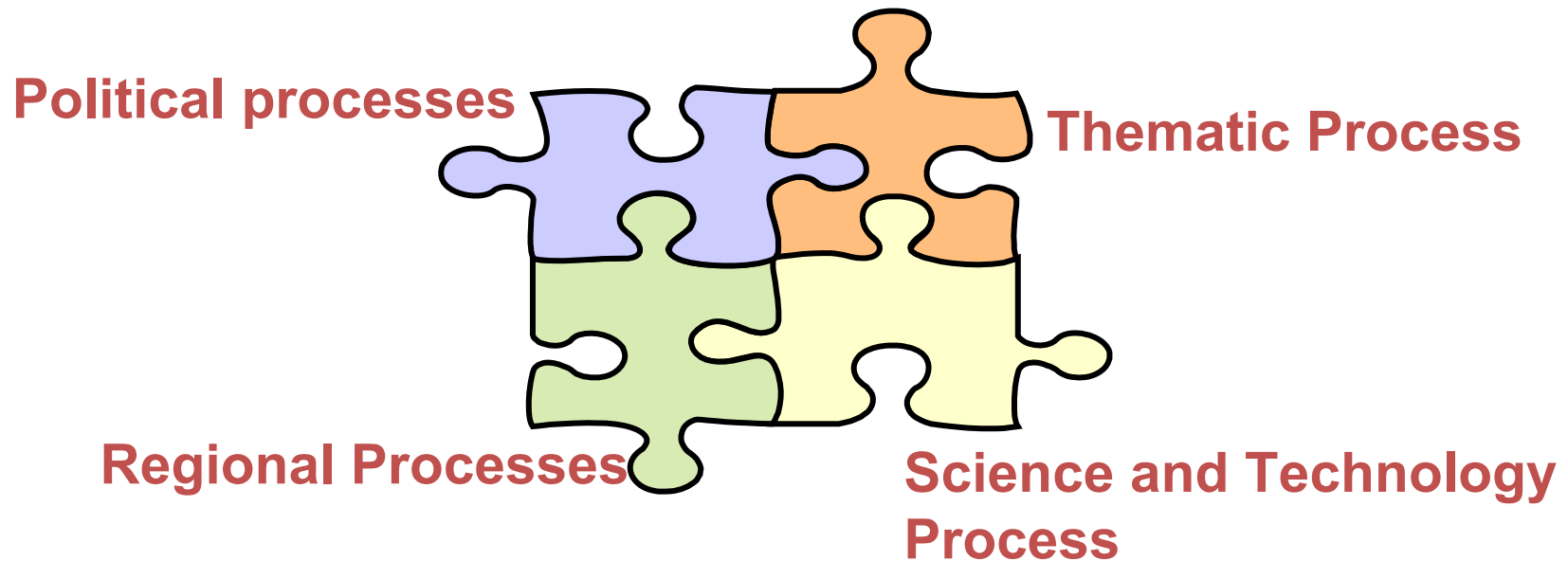
Daegu –
Gyeongbuk
2015

Brasilia
2018

- **Marseille 2012:**
Time for Solutions - Platform of Actions
- **Daegu-Gyeongbuk 2015:**
Water for Our Future
- **Brasilia 2018:**
Sharing Water



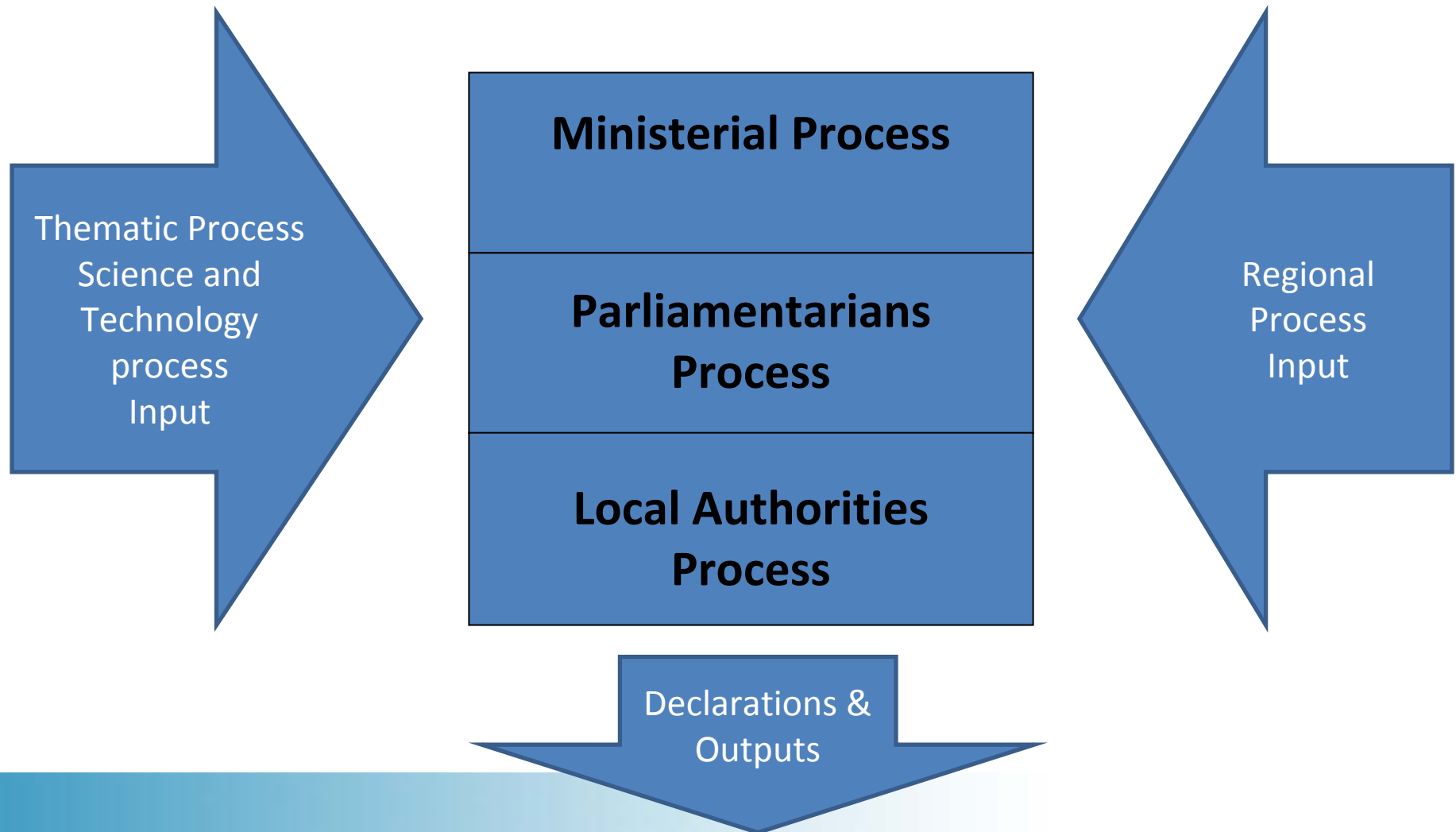
PROCESSES TOWARDS WORLD WATER FORUM 2015



Other components:

Citizen and Youth Forum, EXPO and Fair, Water Prizes, Side Events

Elements in the World Water Forum process



A Total of 16 Themes Derived

Water for our Future

3 ACTION GOALS

The Future We Want

1. Water Security
for All

- 1.1 Enough Safe Water for All
- 1.2 Integrated Sanitation for All
- 1.3 Adapting to Change Managing Risk and Uncertainty for Resilience and Disaster Preparedness
- 1.4 Infrastructure for Sustainable Water Resource Management and Services

2. Water for
Development
and Prosperity

- 2.1 Water for Food
- 2.2 Water for Energy
- 2.3 Water and Cities

3. Water for
Sustainability:
Harmonizing Humans
and Nature

- 3.1 Green Growth, Water Stewardship and Industry
- 3.2 Managing and Restoring Ecosystems for Water Services and Biodiversity
- 3.3 Ensuring Water Quality from Ridge to Reef
- 3.4 SMART Implementation of IWRM

4. Constructing
Feasible
Implementation
Mechanisms

- 4.1 Economics and Financing for Innovative Investment
- 4.2 Effective Governance: Enhanced Political Decisions, Stakeholder Participation and Technical Information
- 4.3 Cooperation for Reducing Conflict and Improving Transboundary Water Management
- 4.4 Water Cultures, Justice and Equity
- 4.5 Enhancing Education and Capacity Building

ACTION TOOL

Engines for Change

Issues



Issues

Theme 3.1

Green Growth,
Water Stewardship
and Industry
(tentative)



- 3.1.1 Managing water for green growth: Policy options and best practices
- 3.1.2 Public private partnership
- 3.1.3 Water stewardship: Can voluntary collective action meet the needs of vulnerable communities and major water users?
- 3.1.4 Towards a circular economy – scalable solutions to address water–energy nexus challenges through co-optimisation and use of alternative resources
- 3.1.5 Valuing freshwater ecosystems: building the economic case for protection and restoration

- 3.2.1 Setting the scene and reviewing 'The Big Picture'
- 3.2.2 Location-based examples of challenges and opportunities
- 3.2.3 Nature-based solutions for sustainable water and protection of biodiversity
- 3.2.4 Inside the toolbox
- 3.2.5 Global partnership for nature & water



Theme 3.2

Managing and
Restoring
Ecosystems for
Water Services
Biodiversity
(tentative)

Theme 3.3

Ensuring Water
Quality from Ridge
to Reef
(tentative)



- 3.3.1 Water quality: smarter use for water security
- 3.3.2 Monitoring and reporting of water quality
- 3.3.3 Strengthening frameworks for governing and managing water quality
- 3.3.4 Sustainable wastewater management and reuse
- 3.3.5 Dealing with different pollutants

- 3.4.1 Integrated joint management of rivers, lakes and aquifers at local, national and transboundary basins level
- 3.4.2 Implementing IWRM especially for transition countries
- 3.4.3 Catchment approach and decentralization of IWRM
- 3.4.4 Knowledgebase for IWRM
- 3.4.5 IWRM to deliver Post-2015 Development Agenda: IWRM Directions for post-2015 Sustainable Development Goals



Theme 3.4

SMART
Implementation
IWRM
(tentative)

Thematic Framework: Issues

Theme 4.1

Economics and Financing for Innovative Investments

- 4.1.1 Finance and economics for environmental services
- 4.1.2 Performance based contracting for water supply and sanitation
- 4.1.3 Water financing for small and decentralized water operators and actors
- 4.1.4 Innovative financing under the 3 Ts (tariffs, taxes and transfers) and beyond
- 4.1.5 Financing agricultural water use
- 4.1.6 Financing for sustainable water management

- 4.2.1 Stakeholder engagement for effective water governance: Checklist and success stories
- 4.2.2 Strengthening the performance and governance of water supply and sanitation services
- 4.2.3 Strengthening basin governance to manage water at the relevant scale
- 4.2.4 Integrity and transparency for successful water policies – challenges and progress
- 4.2.5 Key principles on water governance for decision-makers
- 4.2.6 Assessing the performance of water governance: Indicators and country experience

Theme 4.2

Effective Governance
Enhanced Political
Decisions, Stakeholder
Participation and Tech
Information

Theme 4.3

Cooperation for Reducing conflict and improving Transboundary water management

- 4.3.1 Understanding and implementing water diplomacy in a complex multi-level governance context
- 4.3.2 International water law and basin-level agreements
- 4.3.3 Mandate, structure and means for efficient transboundary river and aquifer basin joint organizations
- 4.3.4 Building trust: Facilitating data and information exchange between the riparian countries in transboundary basins
- 4.3.5 The water-food-energy-ecosystem nexus as a driver for realizing benefits of transboundary cooperation
- 4.3.6 Investing in transboundary basin management, it pays back: Sustainable funding of TBM and common infrastructure

- 4.4.1 Fostering water heritage, water values and related cultural expressions
- 4.4.2 Water justices and cooperation: Perspectives and frameworks for fostering cultural diversity, society and nature
- 4.4.3 From a Human right to a culture of equality: Gender and water
- 4.4.4 Water Justices: Strengthening legal frameworks for cultural diversity, society and nature
- 4.4.5 Mainstreaming a New Water Ethic

Theme 4.4

Water Cultures
Justice and Equity

Theme 4.5

Enhancing Education and Capacity Building

- 4.5.1 Water Education and capacity building: Key for water security and sustainable development
- 4.5.2 Financing water professional training to develop competencies: A fruitful economic strategy for utilities
- 4.5.3 For insuring sustainability of water infrastructures, invest in water training centers, it pays back
- 4.5.4 Facing the changes in due time: To be able to adopt water resources management in river basins, specific training of the staffs and all the stakeholders in a prerequisite
- 4.5.5 Water education for leaders on safe water and environment

EUROPEAN REGIONAL PROCESS – 2015



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EUROPEAN REGIONAL PROCESS – 2015



Jointly coordinated by: - **French Water Partnership**
- **Danish Water Forum**

With the support of: - **International Office for Water**
- **DHI**



7th World Water Forum
Water for Our Future



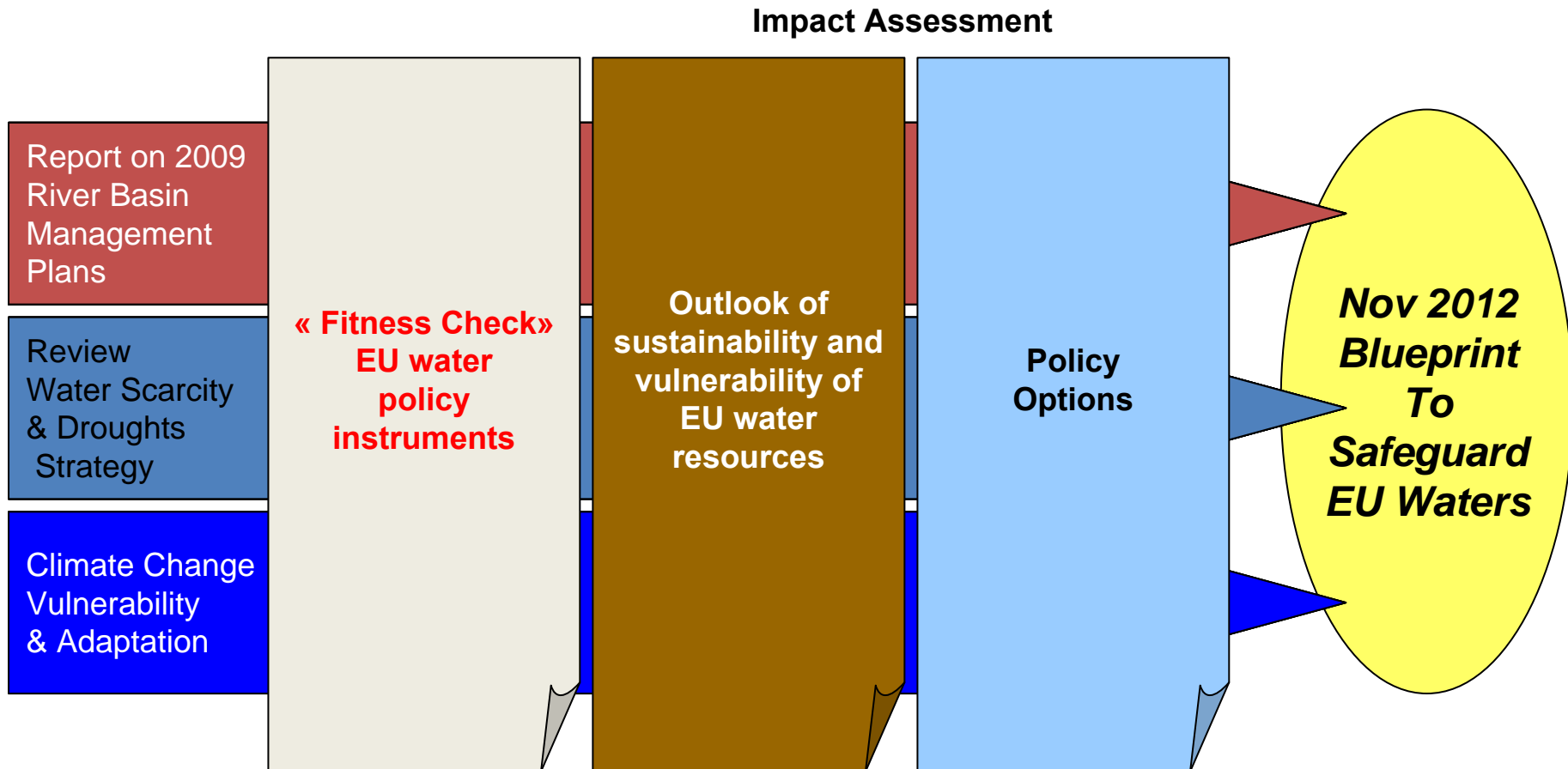
THE 7th DAEGU/GYEONGBUK
WORLD WATER FORUM

EUROPEAN REGIONAL PROCESS – 2015



1. **Transboundary Water Management** : Scheldt International Commission (as secretariat of EU IC) + UNECE
2. **Integrated implementation of EU directives**: Europe INBO + DG-ENV
3. **Adaptation to climate change**: UNECE + FWP/IOWater
4. **Water Efficiency** : GWP Central and Eastern Europe TBC.
5. **Integrated and Innovative Urban Water management** : DK Ministry for Environment, DHI, EWP, WssTP, DG ENV
6. **Science and Technology**: German Water Partnership, EWA, Astee, IP Water

Synthesis of policy recommendations building on on-going assessments





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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,

Directive 2000/60/EC of 23 October 2000

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



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- **Directives:**
 - Water Framework Directive
 - Groundwater Directive
 - Directive on Environmental Quality Standards (EQS)
 - Urban Waste Water Directive
 - Nitrates Directive
 - Floods 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.

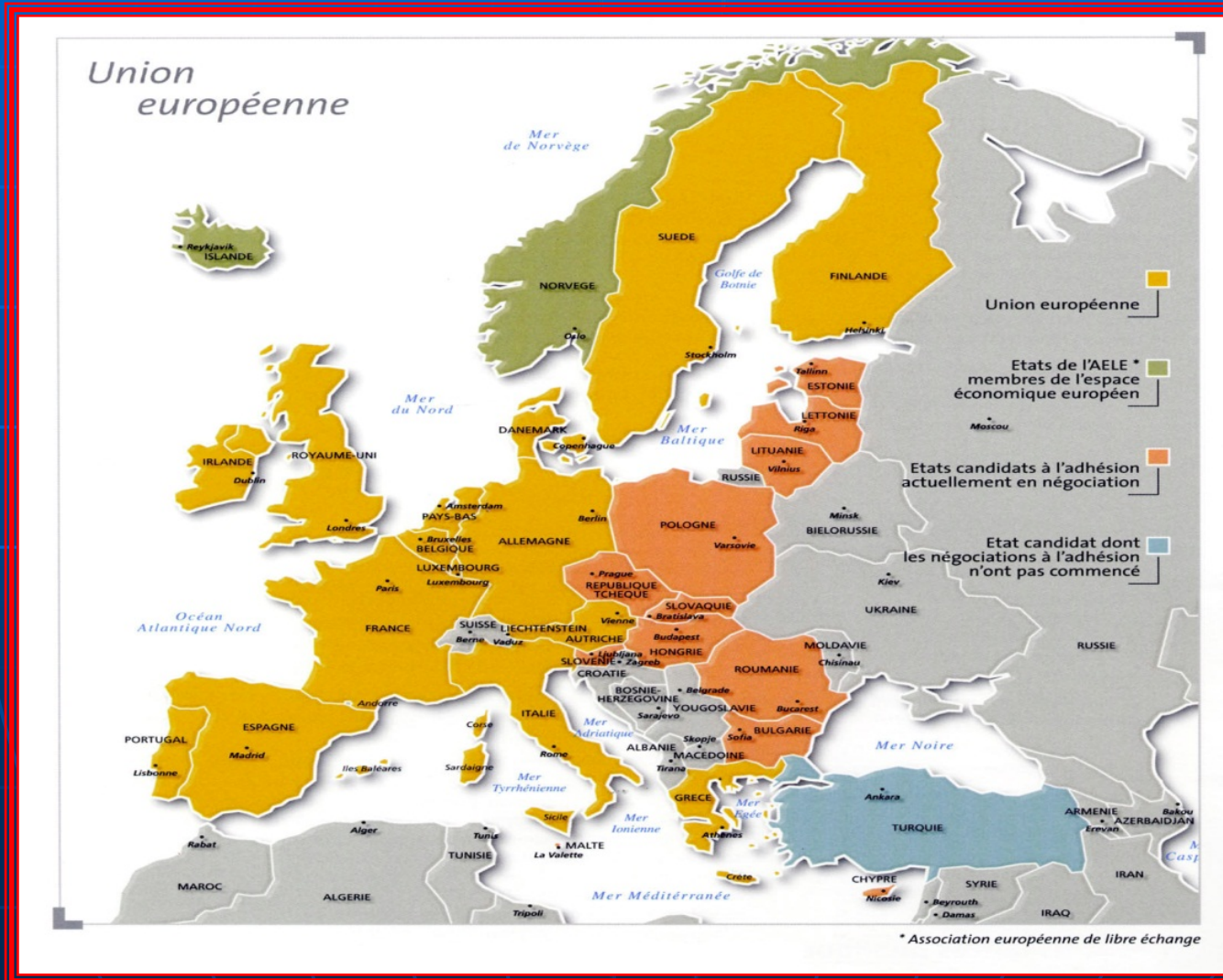


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In Europe, for the first time in the World, 28 EU countries + 2 adopted The same basin oriented approach!



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All the river basins in Europe are concerned:



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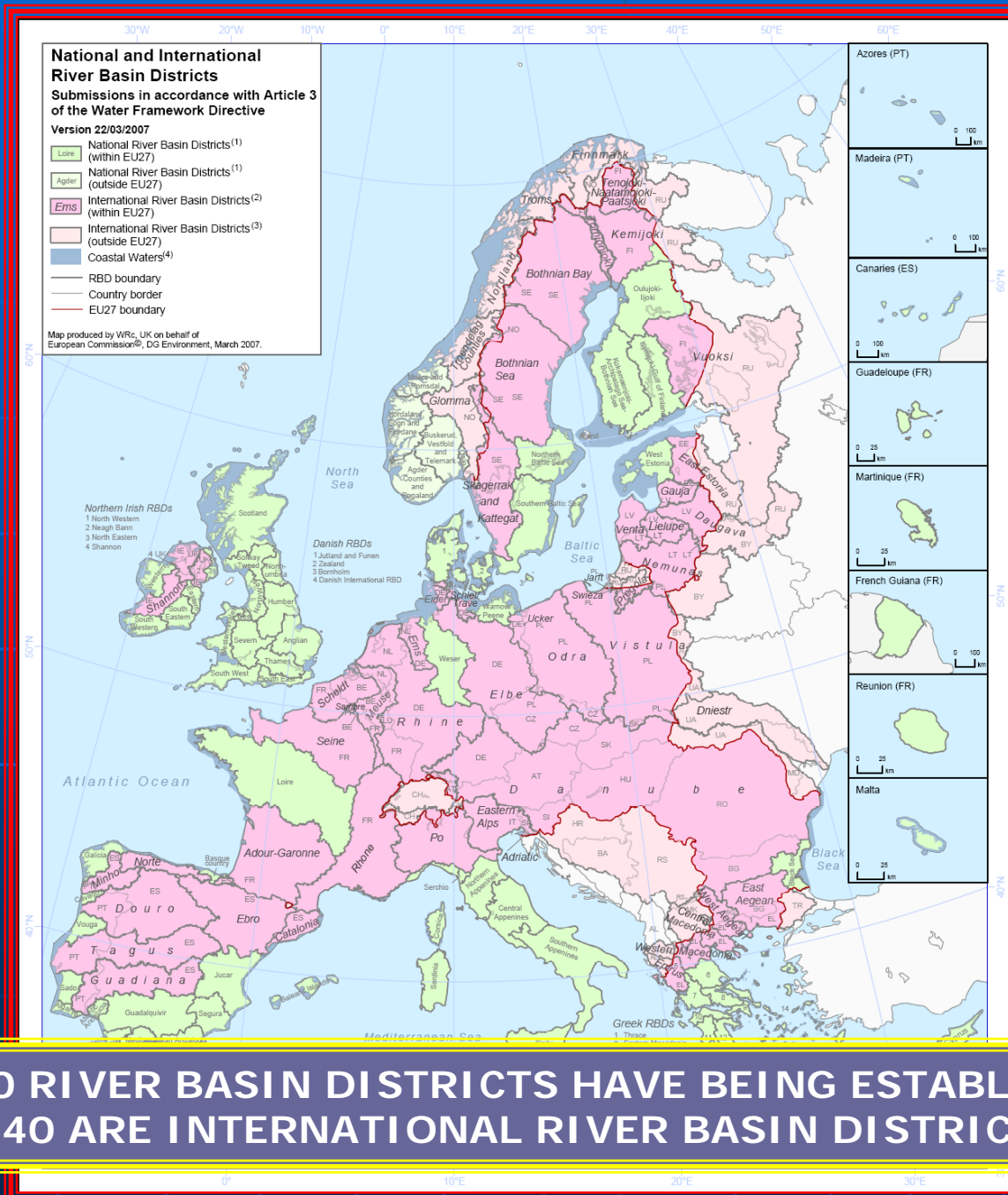




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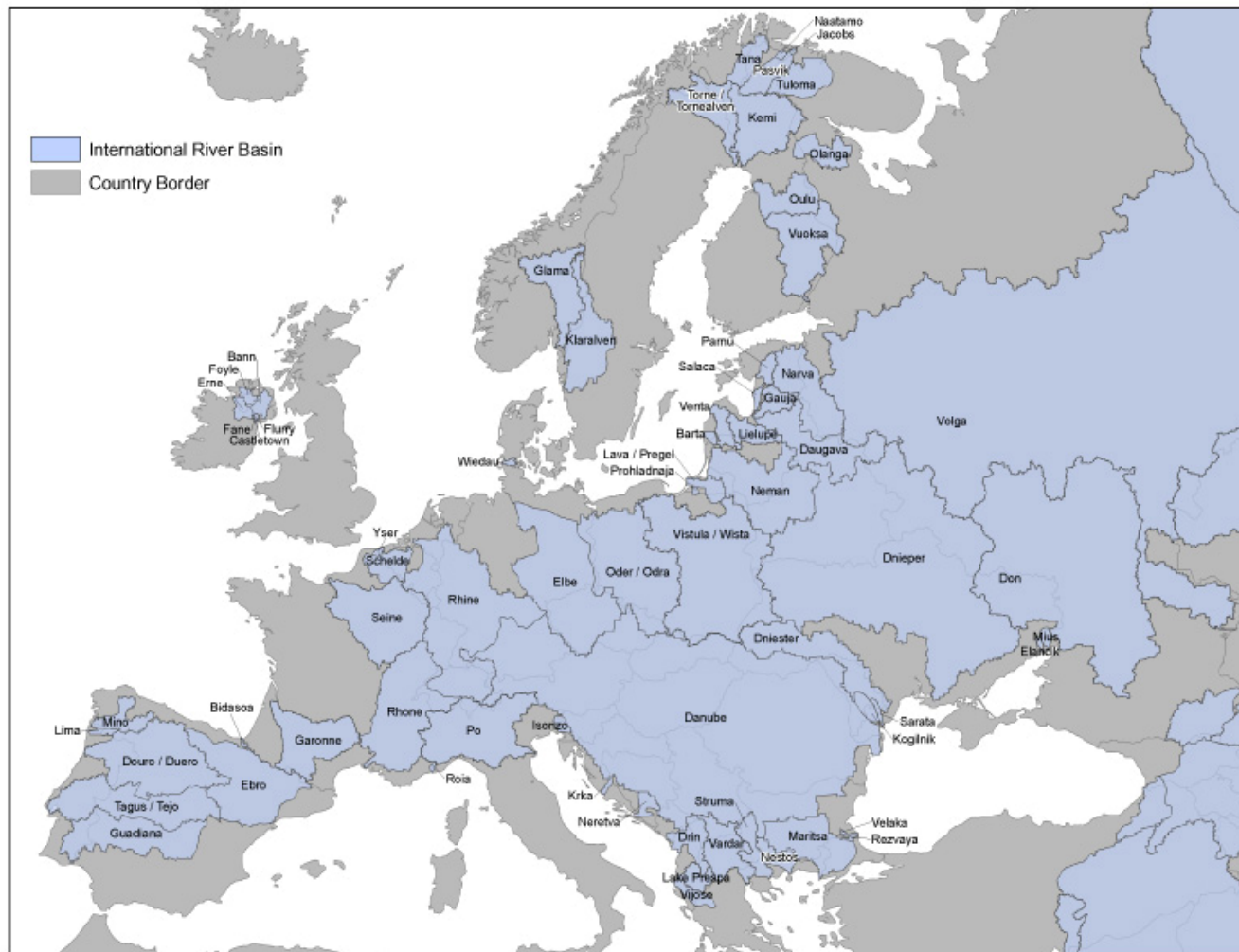


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In Europe a majority of basins being transboundary ones!



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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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the European Water Framework Directive ...To reach this objectives



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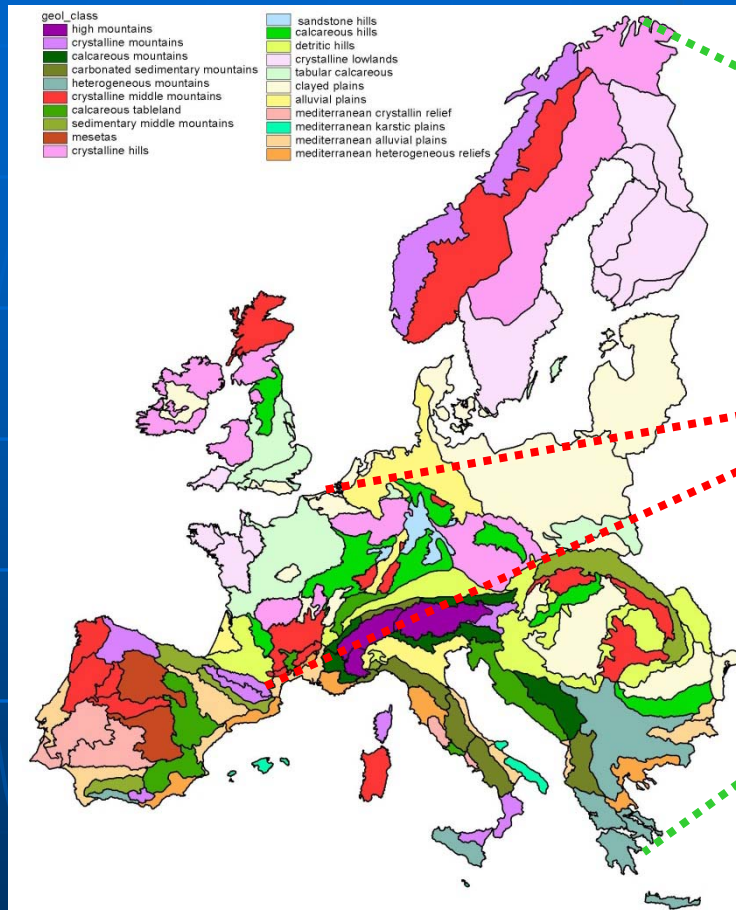
- FOR EACH DISTRICT,
MUST BE FORMULATED:
 - A "MANAGEMENT PLANS",
DEFINING THE OBJECTIVES TO ACHIEVE,
AND
 - "PROGRAMS OF MEASURES",
DEFINING THE NECESSARY ACTIONS.
- 2010–2015/2016–2021/2022–2027



Integrated information and monitoring systems



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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,



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

it's important to take into account:

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



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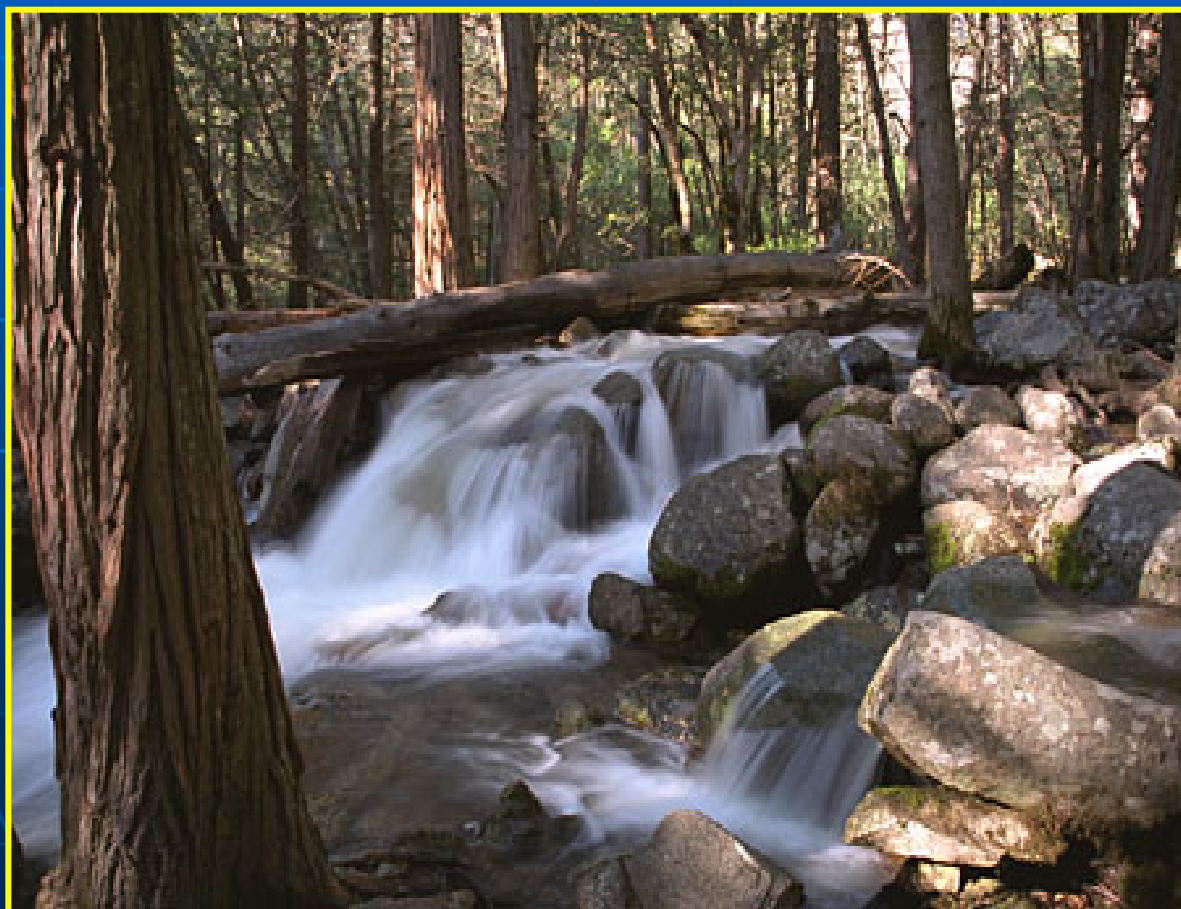


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**AS THE RESTORATION OF AQUATIC ENVIRONMENTS
IS OF PRIME IMPORTANCE
FOR ACHIEVING GOOD STATUS,
THE MEANS DEVOTED TO WETLANDS
AND HYDROMORPHOLOGY MUST BE INCREASED.**



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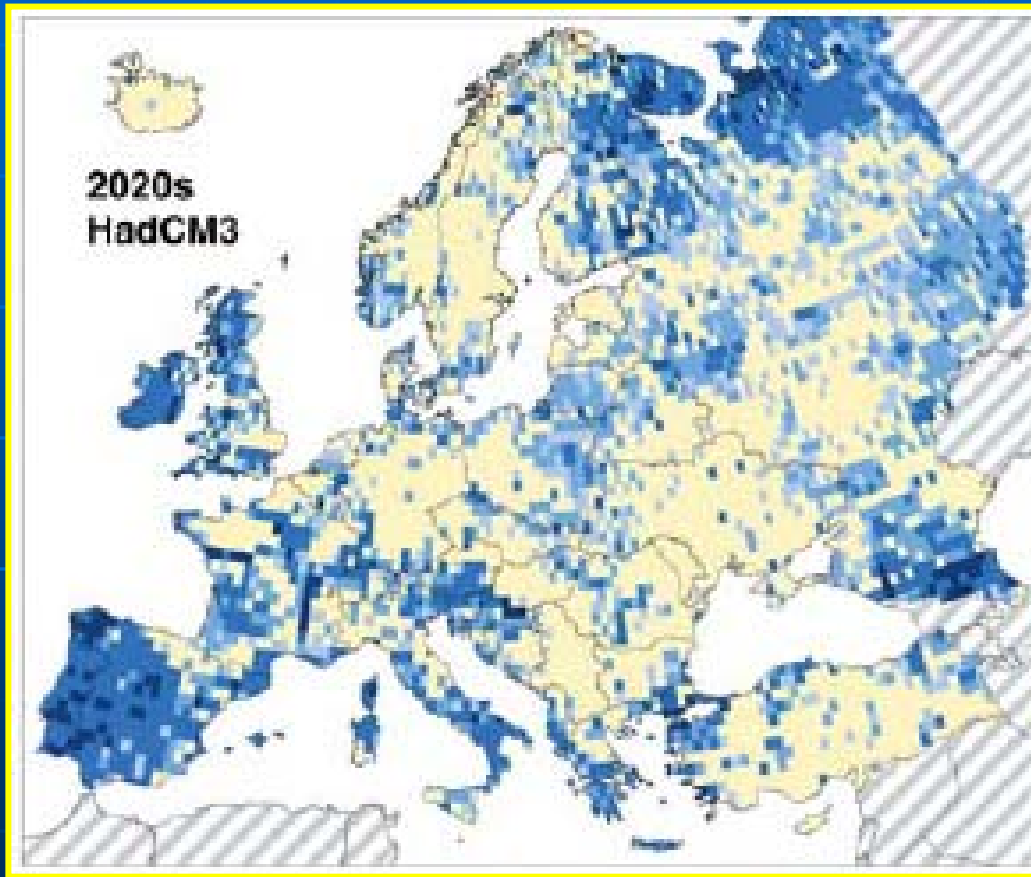




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- Over much of Europe ,
“ one in a hundred year floods”
could occur
every couple
of decades

Europe: Changing flood frequency



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Floods Directive



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FLOOD CONTROL: FORECAST, PREVENTION, PROTECTION

- Foreseeing hazardous events,
- Reducing vulnerabilities,
- Protecting people and properties,
- Warning and educating.





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WITH REGARD TO DROUGHTS:

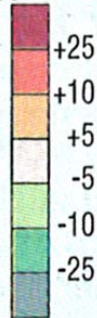


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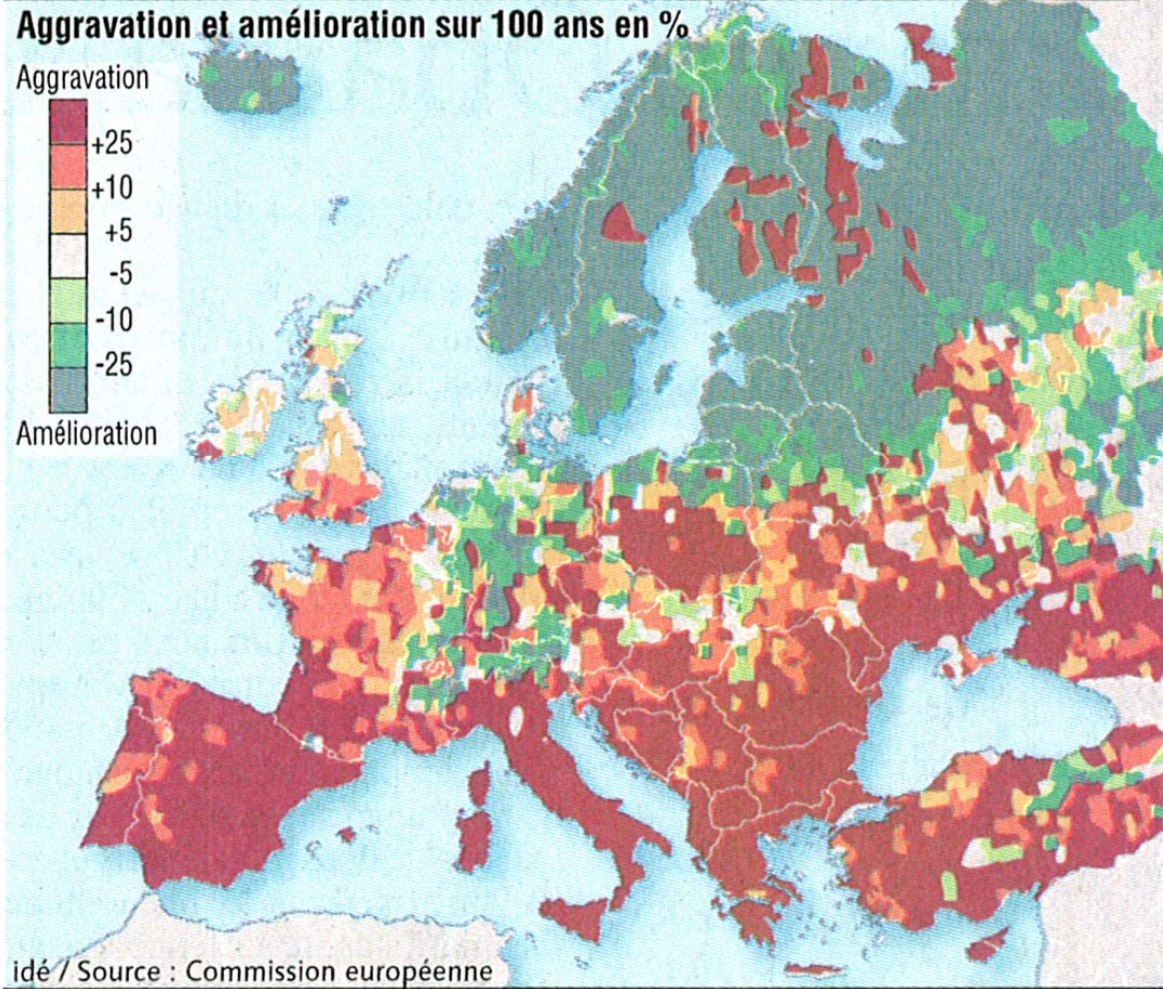
L'évolution des sécheresses en Europe (de 1970 à 2070)

Aggravation et amélioration sur 100 ans en %

Aggravation



Amélioration



idé / Source : Commission européenne



Communication on Water Scarcity and Drought



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

... MUST BECOME PRIORITIES.



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Most important issues



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- Improvements in **implementation** of EU water policy are required
- Need for tackling the problems of **water scarcity and droughts**,
- **Adaptation to the effects of climate change**,
- **Ecosystem services** not systematically addressed within water policy,
- More **coherence** needed with the **CAP, regional, renewable energy and transport policies**
- Potential to enhance coherence with Chemical, pesticides, pharmaceuticals policies on issues such as **risk assessment methods**.
- Improved analysis of the **costs and benefits** of water protection measures is needed



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Une des principales questions à aborder :

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?

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Date	Back to back Event	Theme	Location
31 August – 5 September	World Water Week	Energy and Water – general discussion	Stockholm
21 – 26 September	IWA World Water Congress and Exhibition	Science and Technology process	Lisbon
4 October 2014	Integrated Drought Management Programme Workshop	Climate Change	Budapest
13-15 October	Adaptation to Climate Change in Transboundary Basins UNECE	Climate Change - Transboundary	Geneva
27-30 October	6 th European River Restoration Conference	Integrated implementation of EU directives and UNECE Convention	Vienna
29-31 October	Water and Energy, Electricité De France - Division Production Ingénierie Hydraulique - EDF	Water and Energy - Meeting for thematic process, could be linked	Lyons
5-6 November	EIP Water Innovation Conference	S&T - Water Efficiency	Barcelona
17-18 November	EWA policy conference linked to EIP Annual conference	Urbanisation – Water in the cities	Brussels
12-15 November	Europe-INBO International Conference	Transboundary Water Management	Bucharest
1st – 5th Decem.	Water Youth Parliament Europe	Youth component	Douai, France
30 January 2015	Water efficiency conference	Water efficiency	Copenhagen

Next steps:

- Finalise formation of sessions groups on themes
- Secure implementation of European discussion at the Forum
- Identify challenges, lessons learned and good cases for inclusion in sessions in sessions in Korea

There is still room for joining!

You are just in time!!!!

Contact us with good ideas and to learn more

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International Network of Basin Organizations

European Group of Basin Organizations EUROPE-INBO

12th International Conference

“EUROPE-INBO 2014”

ON THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE

13-15 November 2014 – Bucharest, Romania.



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,