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# MED Water Scarcity & Drought Working group - PHASE II -

Sylvie Detoc, European Commission



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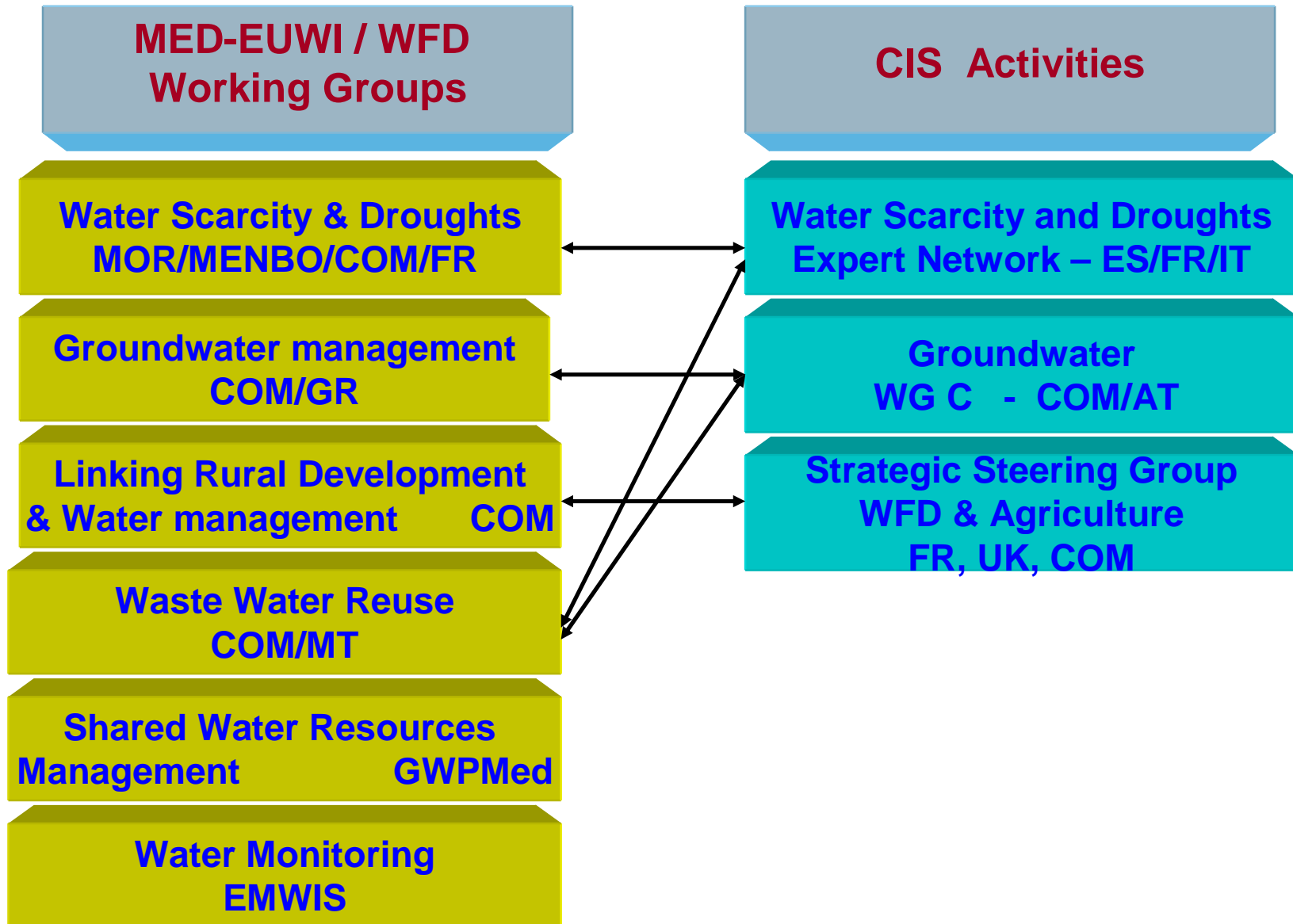
# BACKGROUND



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- **Med Joint Process Phase I 2005-2006**
    - **Brindisi, 2004; EU Water Directors 2004**
    - **Med WS&D report**
  
  - **Med Joint Process Phase II 2007-2009**
    - **Euro-Med Water Directors meeting, Nov. 2006**
    - **First MED WS&D Plenary meeting 19 June 2007**



# MEDITERRANEAN EUWI/WFD JOINT PROCESS





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# Med WS&D Report Phase I



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- **Structure and contents based on the EU report**
  - **Significant contribution *inter alia* by Blue Plan and Medroplan**
  - **Include Med examples from non-EU countries**
  - **Finalised April 2007; publication summer 2007**
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# Med WS&D Report Phase I: Recommendations



- **Water scarcity & Drought & Water Framework Directive**
  - **WS&D can be addressed through WFD**
  - **However, need to adapt the framework**
    - Concepts: river basin; quantitative status
    - Instruments: water pricing; cost recovery principle
- **Water scarcity & Drought & Risk management in the Mediterranean**
  - **Drought management plans**
  - **Demand / supply – side measures**
- **Water scarcity & Drought & need for further research in the Mediterranean**



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# EU ACTION ON WS & D



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## ● TECHNICAL LEVEL:

### ○ EC: In-depth assessment;

- First interim report: Dec. 2006
- second interim report: June 07;

### ○ Expert Network (Member states, stakeholders):

- In-depth assessment
- Interfaces with WFD: exemptions / Drought management plans / measures

### ○ Stakeholder Forum

## ● POLITICAL LEVEL:

### ○ COMMUNICATION: July 07

### ○ Political discussions: Council of ministers, Sept. 07, Portugal and Oct. 2007

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# DELINEATION



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	<b>WATER SCARCITY</b>	<b>DROUGHTS</b> <i>(last 30 years)</i>
<b>Countries</b>	<b>14</b>	<b>13 + Norway</b>
<b>Population</b> <i>(Mio inhab.)</i>	<b>100</b>	<b>80</b> <i>(last 5 years)</i>
<b>River Basins</b>	<b>28</b>	

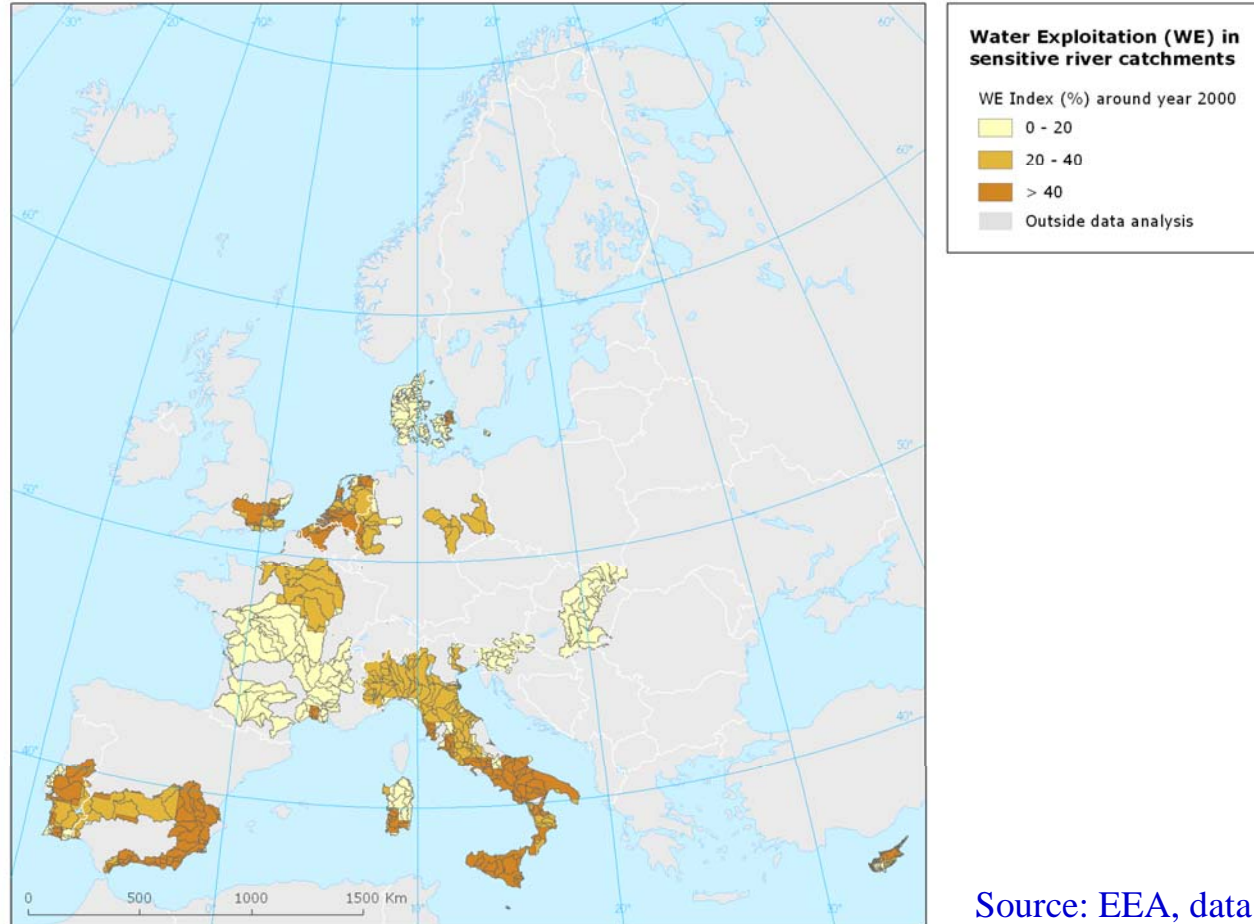
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# WATER SCARCITY - SCOPE

EUWI  
EU WATER INITIATIVE



Source: EEA, data MS

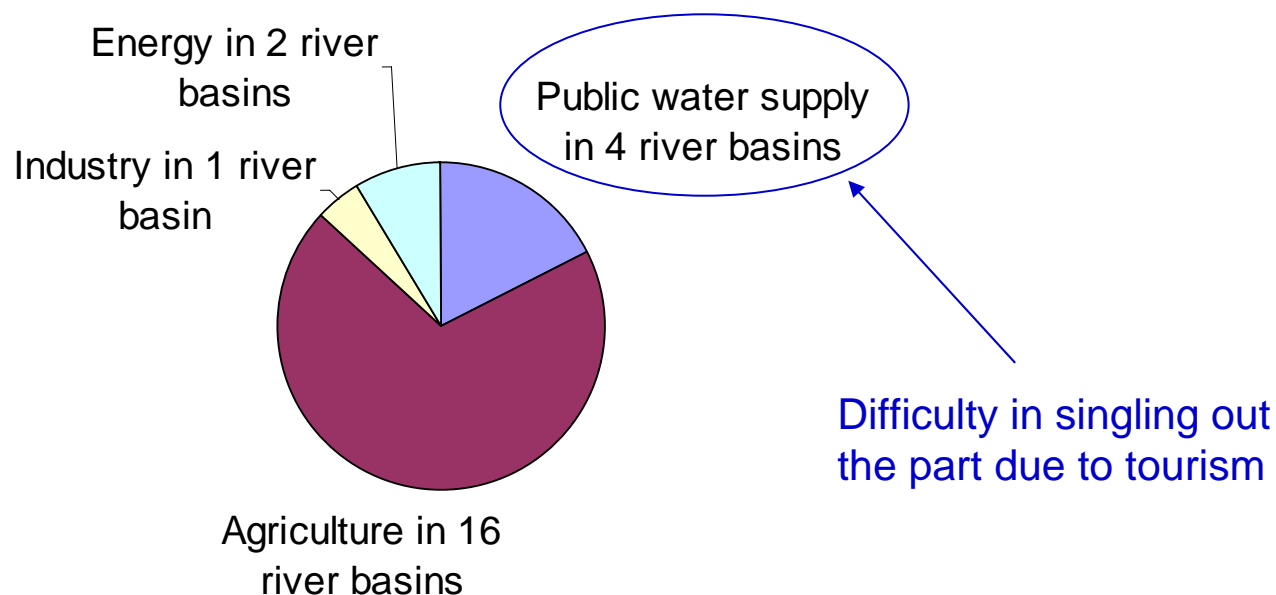




# CAUSES

The **causes** of water scarcity largely depend on river basin characteristics and water uses.

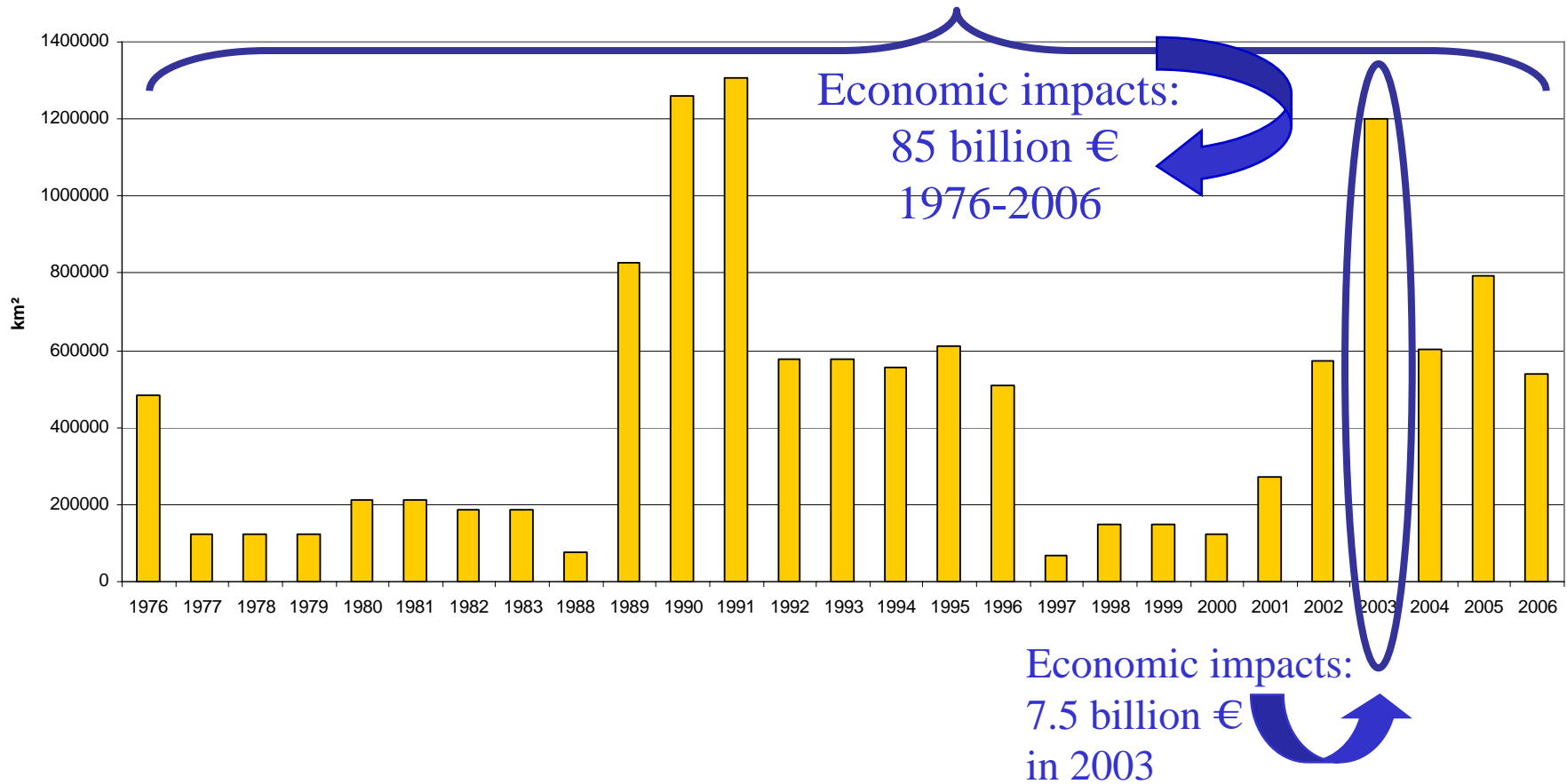
## Main water use in the river basins affected by water scarcity





# DROUGHTS - SCOPE

EU area affected by droughts in the last 30 years





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# Med WS&D Report Phase II: **MANDATE**

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## ● **OBJECTIVES**

- **Step 1: finalise Med WS&D report**
- **Step 2: collect data & information on impacts of WS&D**
- **Step 3: data analysis & assessment of WS&D in the Med**
- **Step 4: identification & analysis of ‘best practices’ for water saving measures & formulation of recommendations**



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# Med WS&D Report Phase II: **MANDATE**

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## ● ORGANISATION

- Leaders: Morocco, EC, France, MENBO
- Membership: EU, Balkans, MEDA countries, other experts
- Interface with other groups
- Webpage administrated by EMWIS

## ● OUTCOMES

- Final version Med WS&D; March 2007
  - Report Phase II: in-depth analysis and water saving measures
  - Workshop: further exchange of information
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## Med WS&D Report Phase II:



### TIMEFRAME

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- **Table of contents:** 19 June 2007
  - **Information & data collection:** end Sept. 2007
  - **Additional contributions:** end Sept. 2007
  - **First draft :** end Oct. 2007
  - **Euro-Med Water Directors mtg:** Dec. 2007 (TBC)
  
  - **Supplementary data:** end Dec. 2007
  - **Second draft:** January 2008
  - **Final version** March 2008
  - **Euro-Med Water Directors mtg:** 2008
  
  - **Euro-Med Ministerial mtg:** 2008
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EU Water Initiative  
Water for Life



**Thank you for your  
attention**

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الإطار التوجيهي حول المياه  
استفد منه !



<http://www.emwis.net/topics/WaterScarcity>

EUWI: [www.euwi.net/](http://www.euwi.net/)

EU WS&D: [http://ec.europa.eu/environment/water/quantity/scarcity\\_en.htm](http://ec.europa.eu/environment/water/quantity/scarcity_en.htm)



# Table of Contents / Contributions

CHAPTER	COORDINATOR	CO-DRAFTERS & EXAMPLE PROVIDERS
<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>- General description of water resources in the Mediterranean, water scarcity and drought problems</li> <li>- Link between the WFD and water scarcity issues (source: EU report)</li> </ul>	<p><b>Mohammed BLINDA, Jean MARGAT (Plan Bleu)</b></p>	<p>Thierry DAVY (FR) Sylvie DETOC (EC)</p>
<p><b>Chapter I: Definitions and assessment of the different phenomena</b></p> <ul style="list-style-type: none"> <li>- Definition of drought</li> <li>- Definition of long term imbalances</li> </ul> <p>Based on the EU report and supplemented with Mediterranean specificities</p>		



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<b>Chapter II: Drought Planning and Management</b>	<b>Dunixi Gabina (Med. Agronomic Institute of Zaragoza)</b> <b>TBC</b>	Ana IGLESIAS (University of Madrid): list of references & examples
- Adapt the EU report including the Mediterranean specificities - complete with the experience of MEDROLAN project		Mohamed BOUFAROUA (Tunisia): water conservation & small dams in Tunisia Essam KHALIFA (Egypt): Reuse of the drainage water
<b>Chapter III: Long term imbalances in supply and demand</b>		





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<b>Chapter IV: Conclusions and recommendations</b>	<b>Mohamed BOUFAROUA (Tunisia) TBC, Thierry DAVY (FR), Sylvie DETOC (EC)</b>	
<ul style="list-style-type: none"><li>-Summary of Mediterranean specificities</li><li>- specific recommendations for addressing WS&amp;D in the region, including good practices from EU and non-EU countries;</li><li>- WFD &amp; WS&amp;D in the Mediterranean: what is the contribution of the WFD for addressing WS&amp;D issues and what are the main difficulties for its implementation</li></ul>		

### COORDINATION OF THE DOCUMENT:

- Sylvie Detoc
- Thierry Davy