

# **JRC**

# **WFD Chemical Monitoring**

# **on-site**



**Comparison of  
Monitoring Approaches for  
Selected Priority Pollutants  
in Surface Water**

# **Water Framework Directive Implementation Chemical Monitoring Group (AMPS, CMA, CMEP...)**

- **Development of guidance**
- **Discussion of approaches**

**Practical interaction and specific feedback  
needed!**

**Chemical Monitoring on-site:  
Workshops with campaign for direct exchange of  
experiences and providing results to MS**

- on-site field campaigns
- sampling jointly at one spot
- comparison of results



Target compounds:

- WFD PAH
- WFD PBDE
- WFD  
Alkylphenols

Comparison of analytical results from:

- Standard solution
- Homogenised extract
- River water

**7 invited  
laboratories**

**From:**

**Austria**

**Bulgaria**

**Denmark**

**Germany**

**Italy**

**Netherlands**

**Spain**



**CMA on-site 1, 11.10.2006,  
Po River, Ferrara, Italy**



**CMA on-site 2**  
**17.-18.9.2008, Danube River**  
**Budapest, Hungary**

**Belgium**  
**Bosnia-Herzegovina\***  
**France (2)**  
**Germany (3)**  
**Hungary (3+4)**  
**Ireland**  
**Italy (2)**  
**Netherlands**  
**Serbia\***  
**Slovakia**  
**Spain**  
**Sweden**

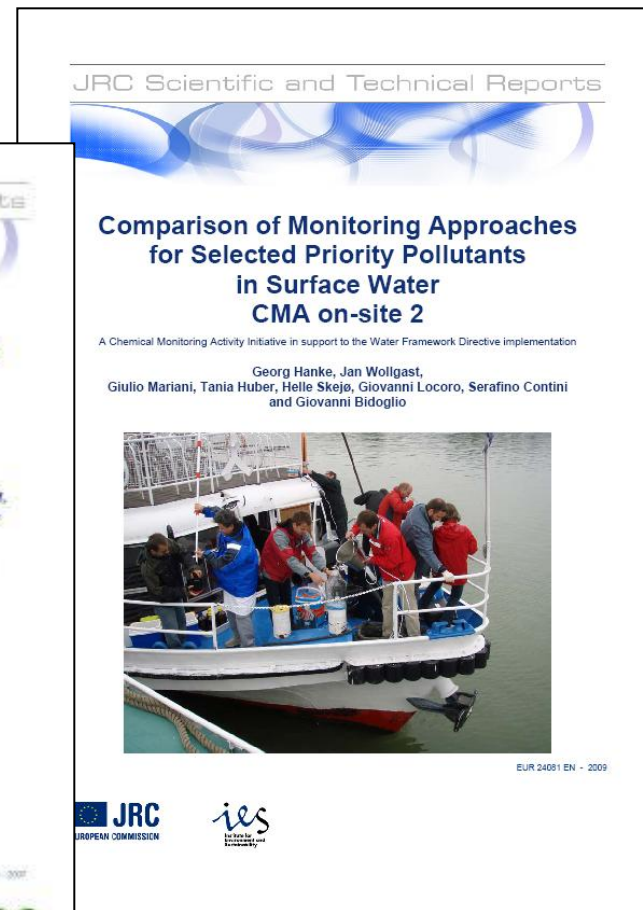
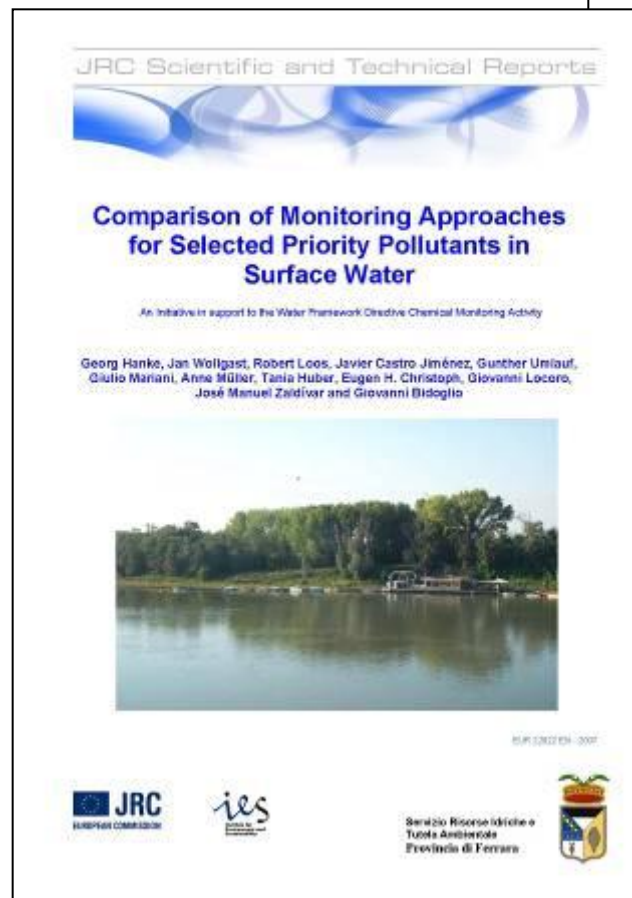
**\* non-EU**

# Example: Sampling approaches



- **Selected WFD priority substances can be measured at WFD relevant concentrations ( $> 0.3 \times \text{EQS}$ ) with methods currently applied in Member States.**
- **Further development of methods and harmonisations of efforts is suggested.**

## Published as EU Reports



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## Outlook: Chemical Monitoring on-site 3



**Planned for autumn 2010....in the Netherlands,**

**Invitation soon**

**through WFD WG E and Chemical Monitoring group**