WISE
Water Information System for Europe

Sylvie Detoc
European Commission
“Developing and implementing shared Water Information systems”,
IVth World Water Forum, 21 March 2006
Diversity of regions and their waters
The EU bodies (DG ENV, JRC, ESTAT and EEA) and EU25 Member States, Norway, Bulgaria and Romania agreed on the Water Directors’ meeting in November 2003 the:

“Development of a **new, comprehensive, shared** European data and information management system for water, including river basins (WISE).

*The system should be fully implemented by 2010*”
What is WISE?

WISE is:

• an idea/vision (2002)
• a concept (2003) – concept paper published on internet
• a process (2003 ...) – Working Group D on Reporting
• a co-operation (between EU bodies and MS)
• a set of tools (GIS, prototype, RTD, ...)
• an internet and “single entry” portal
• a definition of reporting requirements
• a gateway for (public) information (2006)
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<th>No. of RBDs Defined for Article 3</th>
<th>Number of International RBDs</th>
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Mapping interface, Map point and click

Selected River Basin Districts

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<tr>
<th>Name</th>
<th>International</th>
<th>Size (km²)</th>
<th>Prime Competent Authority</th>
<th>More Competent Authorities</th>
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Click layer for metadata

- **ARTICLE 3**
- **RIVER BASIN DISTRICTS**
- **MAIN RIVERS**
- **MAIN LAKES**
- **GROUND WATERS**
- **COASTAL WATERS**
- **TRANSITIONAL WATERS**
- **ARTICLE 6**
- **SURFACE WATER BODIES**
- **GROUND WATER BODIES**
- **PROTECTED AREAS**
- **MONITORING SITES**
- **INTERCALIBRATION SITES**
- **OTHER**
- **COM CATCHMENTS**
- **COM LAKES**
WISE perspective

20??
Optional data
(link to other IT system – decentralised)

2010
Extension data
(Construction Phase in WISE IP)

2006
(Preparation Phase)

Core data
WFD*, UWWD,
EIONET Water

Other compliance data (nitrates,
bathing, drinking, marine, flood
protection), statistical data,
research

ICPDR
Rhine
OSPAR
ICES

EPER PRTR
National systems
others

* includes all WFD compliance data - Art. 3, 5, 8, 13 and intercalibration
WISE IP – success factors

- Joint **ownership and leadership** of DG ENV, EEA, ESTAT, JRC

- **The co-operation of the Member States**
  - EU25 and the EEA member countries
  - All Reporting Groups (WFD Compliance, UWWT, SOE and others)
  - Int. river commissions

- Definition of **core data set** against which reporting is made (decentralised set up with central reference data base)

- **Provision of access** to all information types
  - Numerical data (raw), ecological status (computed), thematic maps, reports, downloads, documents (e.g. methodologies)
Outlook

- WISE conceptually fully integrated in wider environmental reporting discussion (incl. INSPIRE)

- Joint process of EU bodies and MS is crucial for success

- WISE is a complex process to manage, it needs positive commitment if we were to succeed
Access under [http://dataservice.eea.eu.int/wise](http://dataservice.eea.eu.int/wise)

**WISE VIEWER**

Prototype – 2005 VERSION

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**Viewer Options**

**WISE viewer December 2005 (Decided data)**

The WISE viewer is an early attempt to bring disparate water related data together. This prototype viewer demonstrates some ideas and technologies that will be available in the final viewer. The purpose of the current viewer is to open discussions for future developments of the WISE viewer.

[Click HERE to access the viewer.](http://dataservice.eea.eu.int/wise)