

WISE as implementation of SEIS

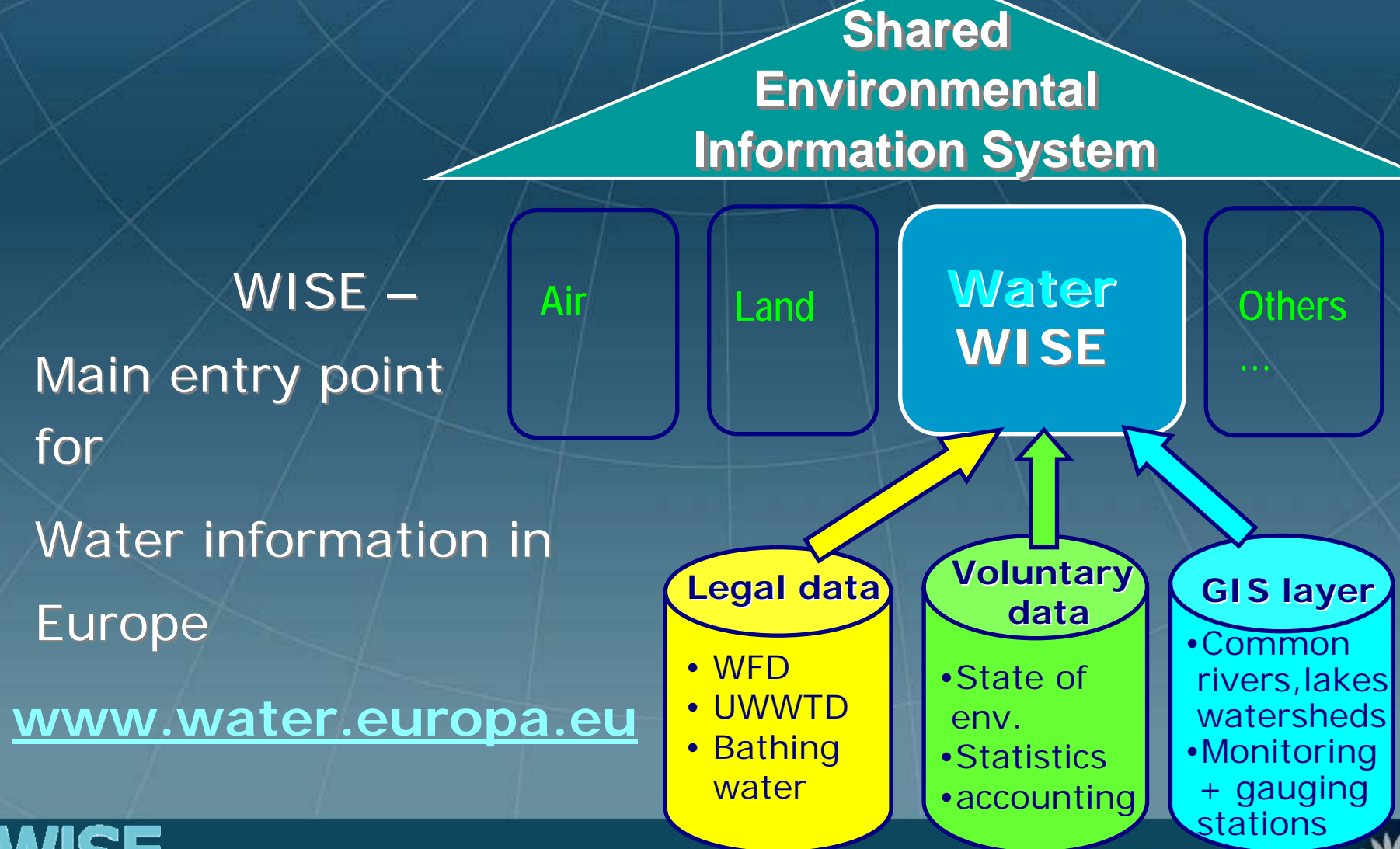
Data centre for water



Beate Werner



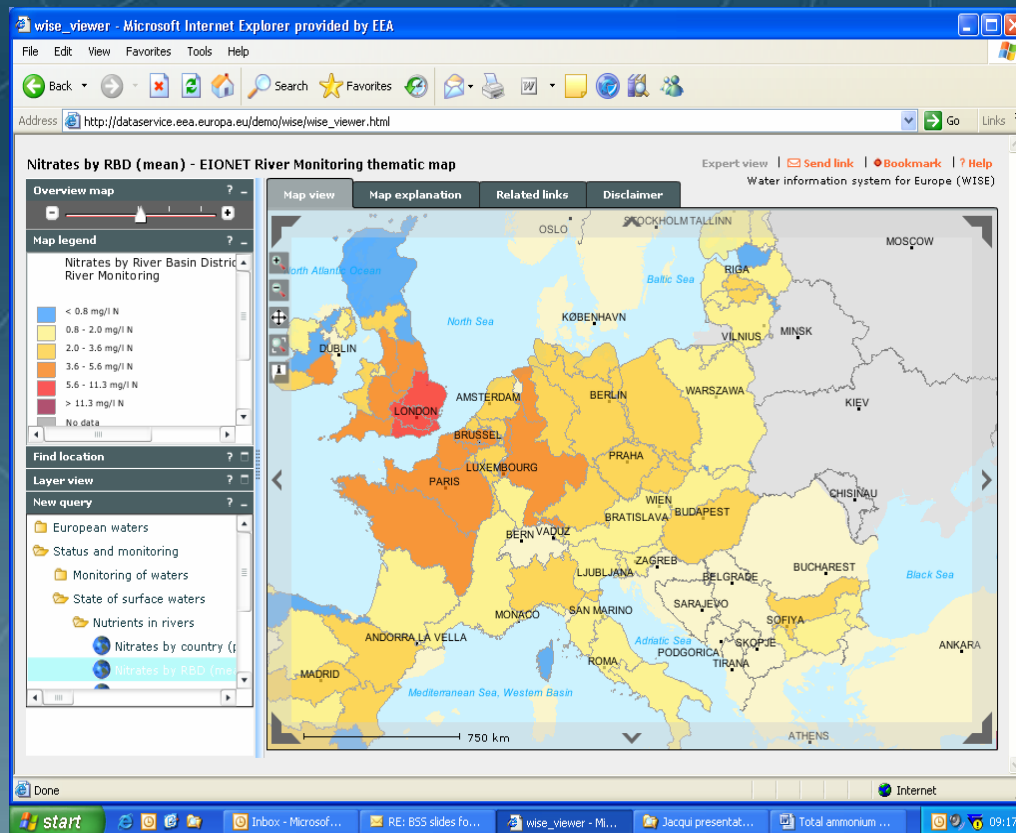
Data integration in WISE - Water Information System for Europe



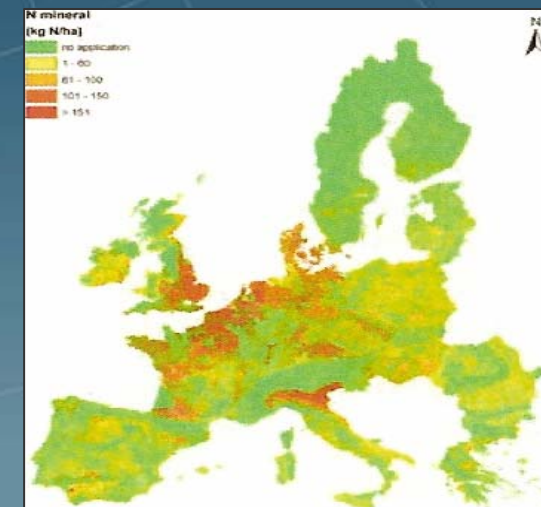
Nitrate by river basin districts

mean annual concentrations of nitrate measured at Eionet-Water River monitoring stations, by river basin districts, during 2005

- Good agreement between nitrate map and regions of intensive agricultural land



Mineral nitrogen fertiliser input (kg N/hectare)



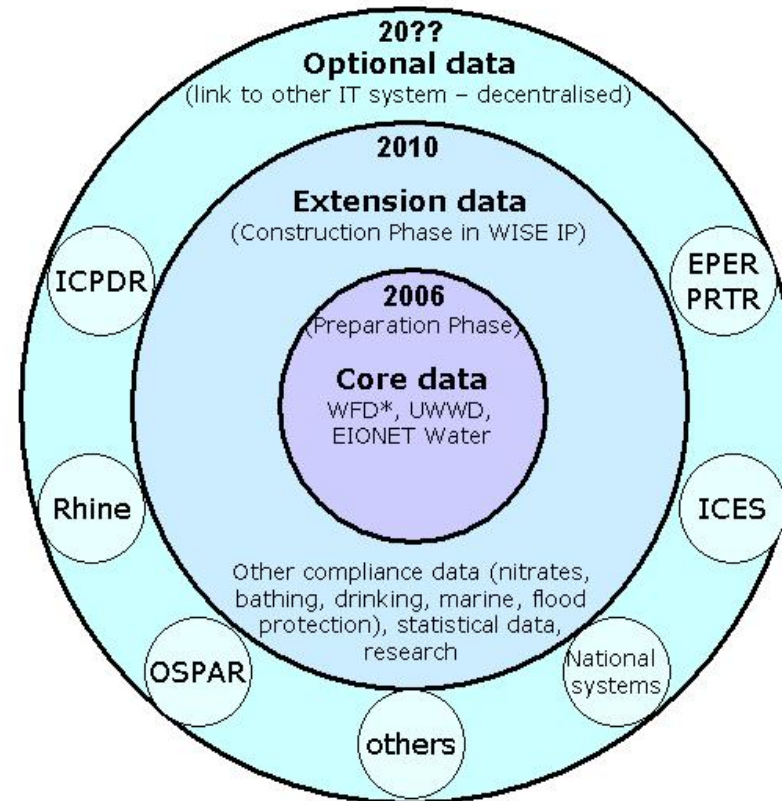
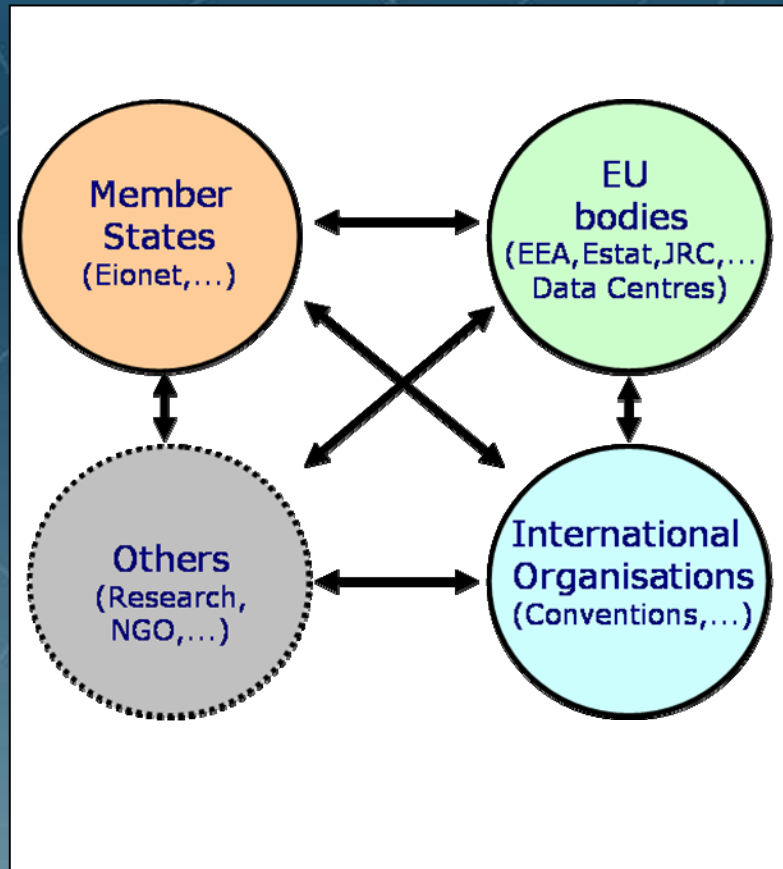
Source: EC-JRC, 2007

Key WISE working agreements

- Agreed and implemented in cooperation with DG Environment, JRC, **Eurostat** and EEA
- Developing a distributed system by 2010 linking to the member states
- Implementation plan until 2010
- Bringing together SoE and compliance reporting
- Using Reportnet as tool for all this reporting
- Merging water related directives and the needed data work (WFD, UWWT, Bathing, Nitrates, and **water statistics** ...)
- Provide data and information to the key clients



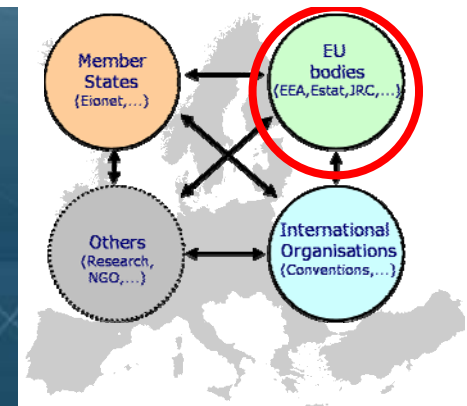
SEIS sharing principles picked up in WISE implementation plan 2005-10



* includes all WFD compliance data - Art. 3, 5, 8, 13 and intercalibration

Example: WISE

- Cooperation vs. EU organisations and MS
(WFD CIS, e.g. WISE GIS or WISE technical group)
- Close cooperation with INSPIRE implementation
(GIS guidance, metadata profile, data specifications hydrography)
- Operational European system



National and international river basin districts

Overview map ?

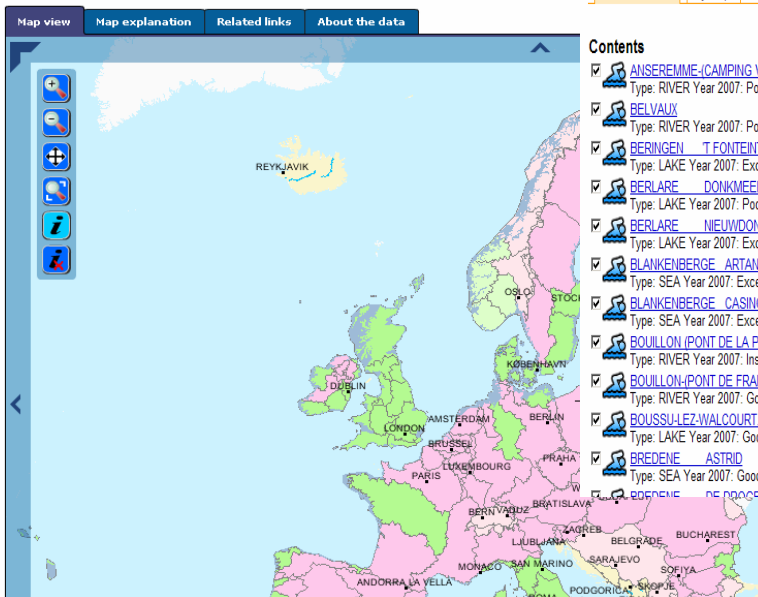
Layer view ?

Map legend ?

- Coastal waters
- International River Basin Dis
- Non EU International River B
- National River Basin District
- Non EU National River Basin I
- Transitional waters
- Country border
- Large Lakes
- Rivers
- EU and EEA Member and Coll.

Map query tree ?

- My River Basin District
- WFD Article 5
- WFD Article 8
- Urban Waste Water Treatment
- Bathing
- WISE SoE
- Advanced maps



Google Maps interface showing search results for 'http://bwd.eea.europa.eu/kml_export.php?cc=BE'. The search results list several river basin districts with their 2007 status:

- ANSEHEMME (CAMPING VILLATOILE): Type: RIVER Year 2007: Poor (Not compliant with)
- BELVAUX: Type: RIVER Year 2007: Poor (Not compliant with)
- BERINGEN - T FONTENIE: Type: LAKE Year 2007: Excellent (Compliant to guide)
- BERLARE - DONKMEER II: Type: LAKE Year 2007: Poor (Not compliant with)
- BERLARE - NIEUWONK: Type: LAKE Year 2007: Excellent (Compliant to guide)
- BLANKENBERGE - ARTANHELIJNG: Type: SEA Year 2007: Excellent (Compliant to guide)
- BLANKENBERGE - CASINO: Type: SEA Year 2007: Excellent (Compliant to guide)
- BOUILLON (PONT DE LA POULIE): Type: RIVER Year 2007: Insufficiently sampled
- BOUILLON (PONT DE FRANCE): Type: RIVER Year 2007: Good (Compliant to mandat)
- BOUSSU-LEZ-WALCOURT - LAC DE FERONVAL: Type: LAKE Year 2007: Good (Compliant to mandat)
- BREDENE - ASTRID: Type: SEA Year 2007: Good (Compliant to mandatory

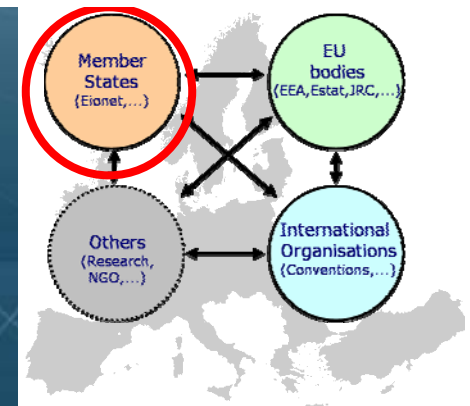
A detailed view of the 'MIDDELKERKE BAD' is shown on the right:

MIDDELKERKE BAD	
Id	519500004VMM000160
Latitude	51.1894
Longitude	2.82333
Country	BELGIUM
Region	VLAAMS GEWEST
Province	WEST VLAANDEREN
Commune	MIDDELKERKE
Bathing water	MIDDELKERKE BAD
Type	SEA
Year 2000	Good (Compliant to mandatory values)
Year 2001	Good (Compliant to mandatory values)



Example: National water information systems

Often related to National SDI and eGovernment initiatives



WasserBLICK

Bund- Länder- Informations- und Kom...

Home | Abonnieren | Kalender | Navigator | Sitemap | Service | Autorenumgebung

einloggen | registrieren

nicht eingeloggt

Erweiterte Suche

Was ist neu?

Suchbegriff

Flussgebietseinheiten

- Ems, Vechte
- Aktuelles
- Allgemeines
- Bearbeitungsgebiete Ems
- Berichte
- Internationaler Teil
- Nationaler Teil

GOBIERNO DE ESPAÑA | MINISTERIO DE MEDIO AMBIENTE Y MEDIO RURAL Y MARINO | CONFEDERACIÓN HIDROGRÁFICA DEL DUERO

MASA SUPERFICIAL | PRESIONES

Inicio/

Bienvenido al Sistema de Información del Duero.

La elaboración del Plan Hidrológico del Duero es una tarea compleja que exige el manejo de información diversa, procedente de muchas fuentes de datos, junto con la aplicación de distintas metodologías de análisis para obtener resultados objetivos, adecuados y que sean reflejo de la realidad de la cuenca.

Para facilitar esta tarea, la Confederación Hidrográfica del Duero ha creado este espacio de teletrabajo y de acceso a la información de referencia que sirve de base para la preparación del Plan Hidrológico, tanto a datos brutos como a mapas, a través del visualizador que se incorpora.

WISA

Standard | Geografische Suche | Österreich | Thema wählen | Ergebnisliste

Themen | Legende

- Basiskarte
 - Topographische Karte Österreich
 - Satellitenbild/Luftbild
- Fachkarten
 - Flüsse und Seen
 - Grundwasser
 - Schutzgebiete
 - Wasserwirtschaftliche Verwaltung

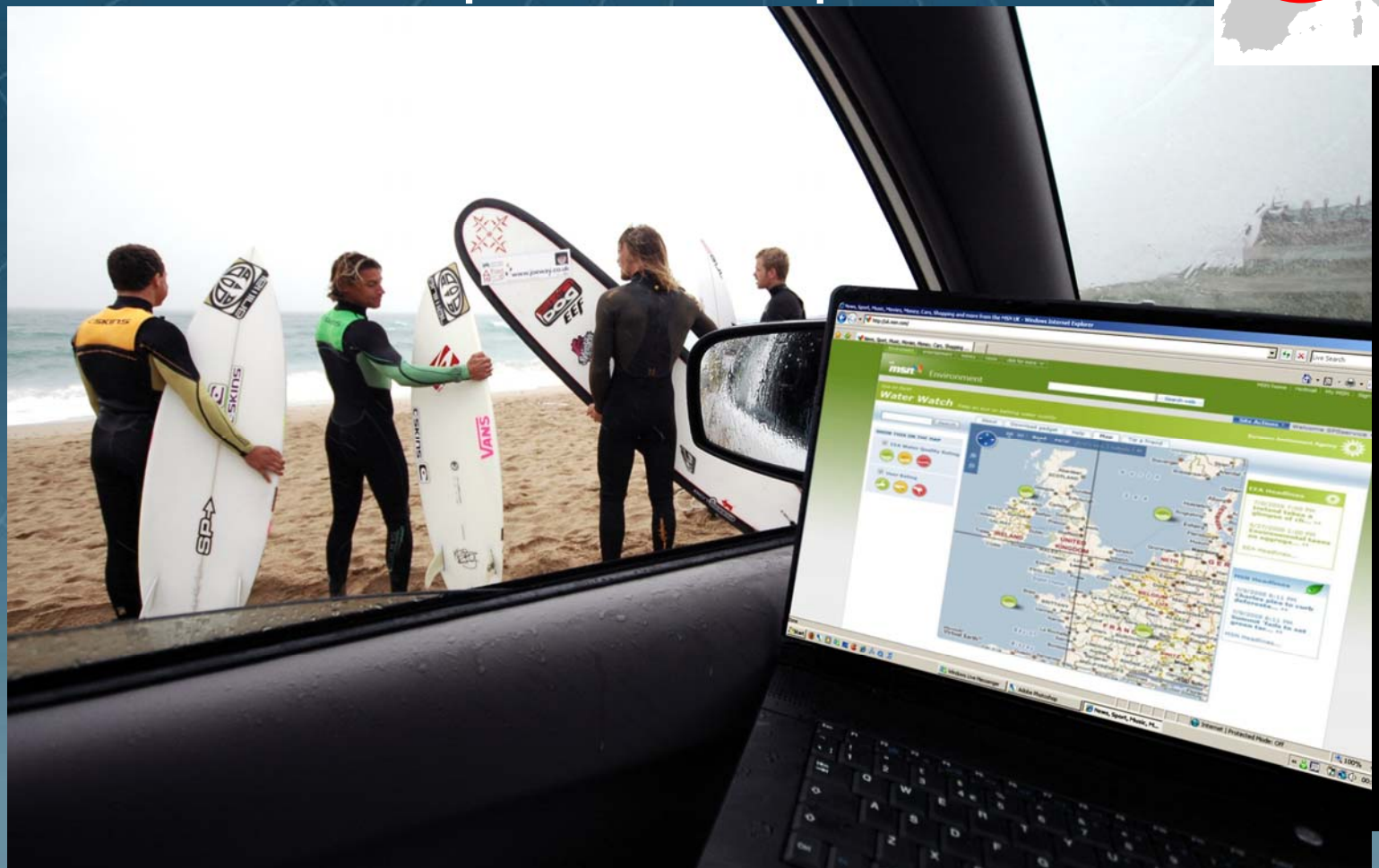
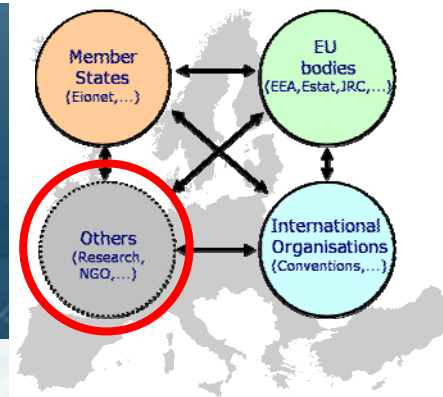
Karte neu zeichnen | Karte automatisch neu zeichnen

Maßstab 1: 3503046

WISA WebView



Eye on Earth - Water watch the global citizen observatory - EEA Microsoft partnership



Key messages

- All water data and water accounting needs anchoring in the relevant hydrological unit.
- Organisation in Shared Information Systems ensures transparent and efficient governance.
- Shared Systems leaves data, information and basic QA/QC at source, but needs streamlining of definitions and assessment/accounting methodologies
- Statistical and in-situ data need integration with remote sensing and global observatories.
- Use 'near real-time' data where appropriate and where relevant in a Citizen Observatory.



Thank you for your attention

www.water.europa.eu

