



SEMIDE

<http://www.semide.net>

Système Euro-
Méditerranéen
d'information sur les
savoir-faire dans le
domaine de l'Eau



EMWIS

<http://www.emwis.net>

Euro-Mediterranean
Information System
on know how in the
water sector

النظام الأورو- متوسطي للإعلام
حول المعرفة في ميدان المياه

**Harmonisation with the Water
Information System for Europe
(WISE)**





Contracts overview

- 2 targeted projects of EC DG Env - ENRTP (Thematic Programme for Environment and sustainable management of Natural Resources, including energy)

- 1. Towards a Mediterranean Water Information Mechanism compatible with WISE
 - Duration: Jan. 2008 – June 2009 -> June 2010
 - Budget: 375 000 EUR

- 2. Towards a Euro-Mediterranean Water Information System
 - Duration: Jan. 2009 – June 2010
 - Budget: 187 500 EUR



Expected results

1. Increased accessibility and availability of water data
2. Interface between WISE and the Med Water Information Mechanism
3. Reports from Med Joint Process Working Groups

Background (why EMWIS):

National Water Information Systems

Mediterranean Water observation mechanism

Network of national water authorities



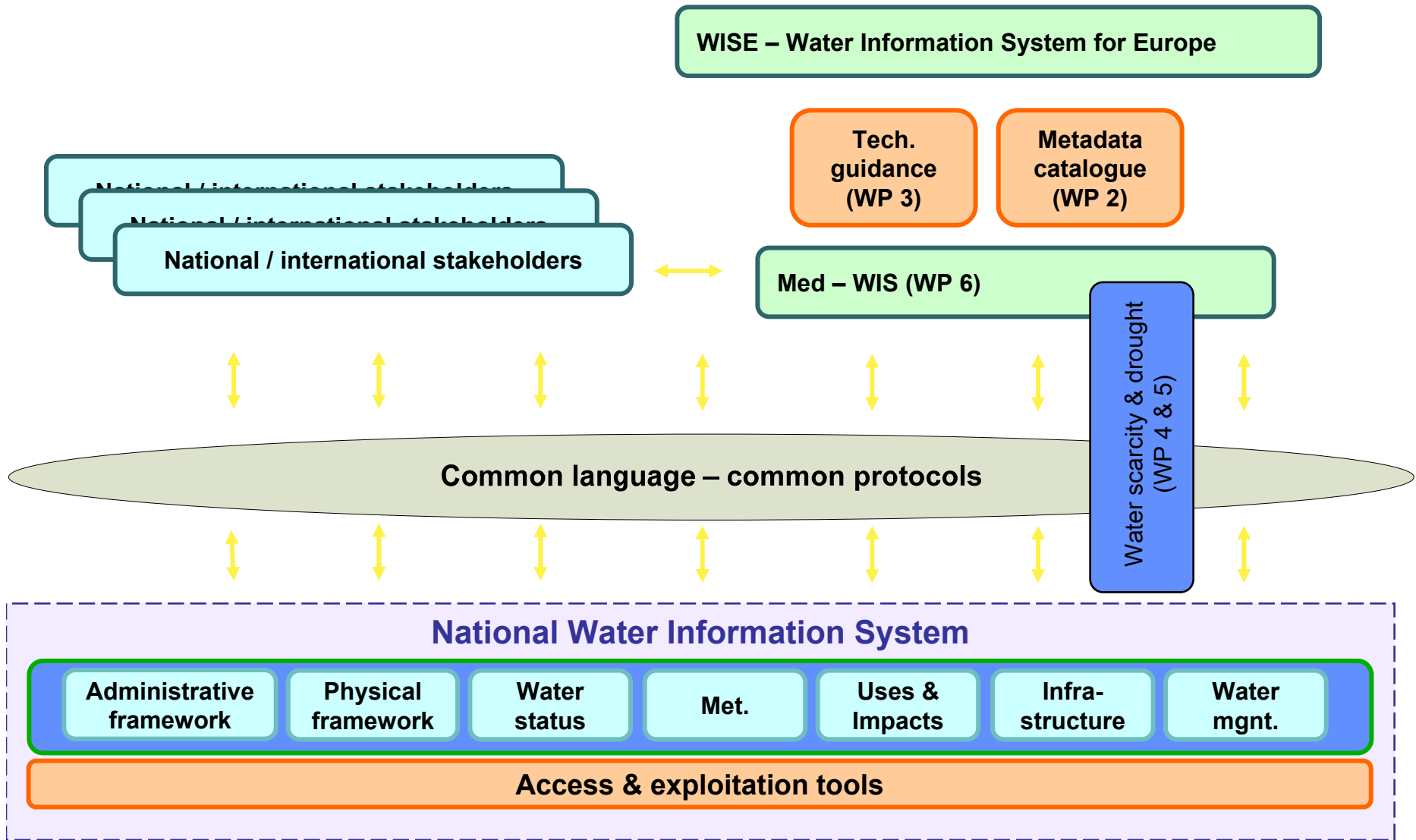
Main activities

1. Coordination
2. Metadata catalogue
3. Technical interoperability guidelines NWIS - WISE
4. Thematic report based on data collected (water quantities)
5. Support to Med Joint Process EUWI / WFD
 - Water Scarcity and Drought
 - Water Monitoring
6. Preparing a Mediterranean entry point to WISE
7. Dissemination

1. Coordination
2. Water thesaurus enhancement
3. Pilot harmonisation in 2 countries
4. Med Map server
5. Support to Med Joint Process EUWI / WFD
 - Water Scarcity and Drought
 - Water Monitoring
 - Coordination with H2020



Overall principle





1.2. Setting up a Metadata catalogue

Metadata are necessary for discovery of services

- Review of existing tools
- Definition of reference labelling
 - Categories of data sources
 - Keywords
 - Geographical references
 - multilingualism
- Implementing the metadata catalogue
- Metadata collection with voluntary countries



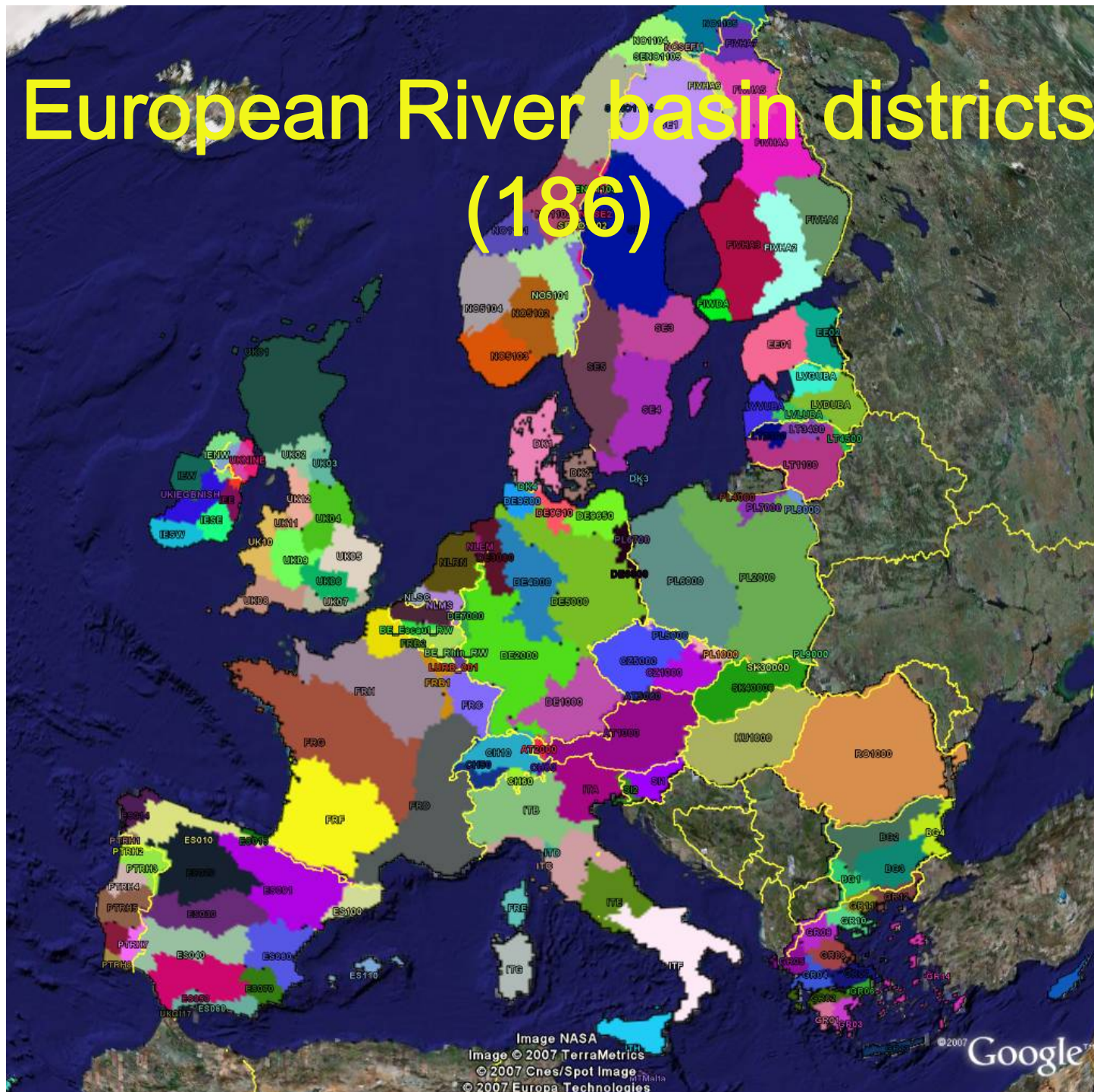
1.3. Guidance on WISE compatibility

- **Adapting existing EU guidance documents**
 - WISE GIS guidance documents, based on Inspire
 - WFD data sets
- **Common geographical rules**
 - Management units used by Med countries (e.g. administrative or hydrological)
- **Identification of potential open source software**

European River basin districts (186)



=> Similar definitions are required for Med Partner Countries





2.4 Med Map server

- **Set-up a Web map viewer**
 - Based on open source solutions

- **Access to EU data from WISE**

- **Evaluation of potential content for non EU countries**
 - Data availability
 - Voluntary basis
 - Quality control / Quality assurance to be defined

- **Collection process to be set up**
 - File transfer
 - Quality control
 - Conversions when necessary



1.5. / 2.5 Collaboration with Med Joint Process

- **water scarcity and drought (WS-D)**
 - Availability of indicators / data items in MPC (survey)
 - Working group meeting
 - Back to back meeting with EU WS-D
 - Dedicated
 - Collection of metadata
 - Contribution to the preparation of “information products” (maps, data/indicators, briefing notes, etc.)

- **water monitoring**
 - Survey of existing water monitoring networks in MPC
 - Focus on Quality rather than quantity
 - Working group meeting
 - Early October, Beirut with INBO / MENBO
 - Collection of metadata
 - First report early 2010
 - Recommendations on potential improvements in monitoring activities
 - 2nd working group meeting in 2010



1.4. Testing the production of a joint information product

- Theme selected: water scarcity & drought
- Agreement on common indicators
- Metadata collection and data sharing rules with 6 countries (incl. national workshops with stakeholders)
- Data collection on voluntary basis
- Analysis of data:
 - Preparation of online consultation and a briefing note
 - Recommendations for improving data management in this field
- Identification of experts / consultants that could act as subcontractors for EMWIS Technical Unit

1.6. Adding a Mediterranean entry point to WISE



<http://water.europa.eu>

- Draft analysis comparing structures of WISE and EMWIS
- Proposal to focus the entry point on
 - EC related activities in the Med water sector
 - H2020 (link)
 - Med Joint Process working groups
 - Clearing house for data discovery (metadata catalogue)
 - Map server
 - UfM water expert group



2.2 Pilot data harmonisation

➤ 2 countries

- Tunisia
- Lebanon

➤ Approach

- Use of water account approach
- Promote the use of metadata catalogue
- Present the technical guidelines
- 2 weeks technical assistance in the countries
- Linked to other ongoing national projects related to water information
- Practical recommendations to implement the water data harmonisation



2.2 Water thesaurus enhancement

- To be launched end 2009

- Arabic concepts missing (+ their definitions)
 - Electronic consultation
 - Existing resources: Wadimena + CEHA

- Specific terminology
 - water accounts
 - H2020 indicators



National seminars

- 6 countries
- Small workshops focused on data / information
- Objectives
 - Present NWIS & Med-WIS approach (UfM pilot action)
 - Results from previous works and status of NWIS
 - Promote:
 - use of metadata catalogue
 - Data/metadata collection
 - Active participation
 - Present the technical guidelines on interoperability
 - Discuss practical steps for further development of NWIS



Questions

