FEASIBILITY STUDY ON THE DEVELOPMENT OF A REGIONAL WATER OBSERVATION MECHANISM IN THE MEDITERRANEAN REGION

Status of feasibility study phase 2

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2nd phase objectives

- Objectives

The Water Directors recommend that this 2nd phase allow ***further analysis and first tests of the proposed regional water information partnership*** *with linkages with related regional initiatives.*

- Main line of actions

1. Consolidating the country level studies with 4 new voluntary countries (Cyprus, Libya, Malta and Morocco)
2. How to organise and structure the MEDWIP as a framework for concertation?
3. Definition of MEDWIP outputs
4. Draft implementation scenario
5. Steering and coordination

2nd phase organisation

1. Kick off meeting: Paris - March 2007
2. Before expert meeting
    1. Consolidating the country level studies with 4 phase 1 countries and with 4 new voluntary countries (Cyprus, Libya, Malta and Morocco)
    2. Tests/study on how to organise and structure the MEDWIP as a framework for regional concertation?
3. Expert meeting: Madrid – July 2007
    1. Presentation of first result
    2. Definition of orientation for next steps
4. After expert meeting
    1. Proposal of specifications for MEDWIP outputs
    2. Proposal of a draft implementation scenario

Component 1: Consolidating the country level studies

- Complete general analysis on 4 new countries :
  - Update/adaptation of the chapters 2,17, 18 and 40 of the country profiles prepared for Johannesburg summit in 2002;
  - A reminder on the progress made and on the organisation of the NWIS
  - A presentation of existing production processes for water-related indicators
  - A synthesis of' opinions and expectations of the politicians, managers, decision makers and main users on current production processes, MedWIP approach and functionalities proposed
- New activities for the 8 countries
  - Data collection =>Templates
  - An update of the data source catalogue with at least 30 data sources described using the online tool provided by the IOWater.

Component 2: How to organise MEDWIP?

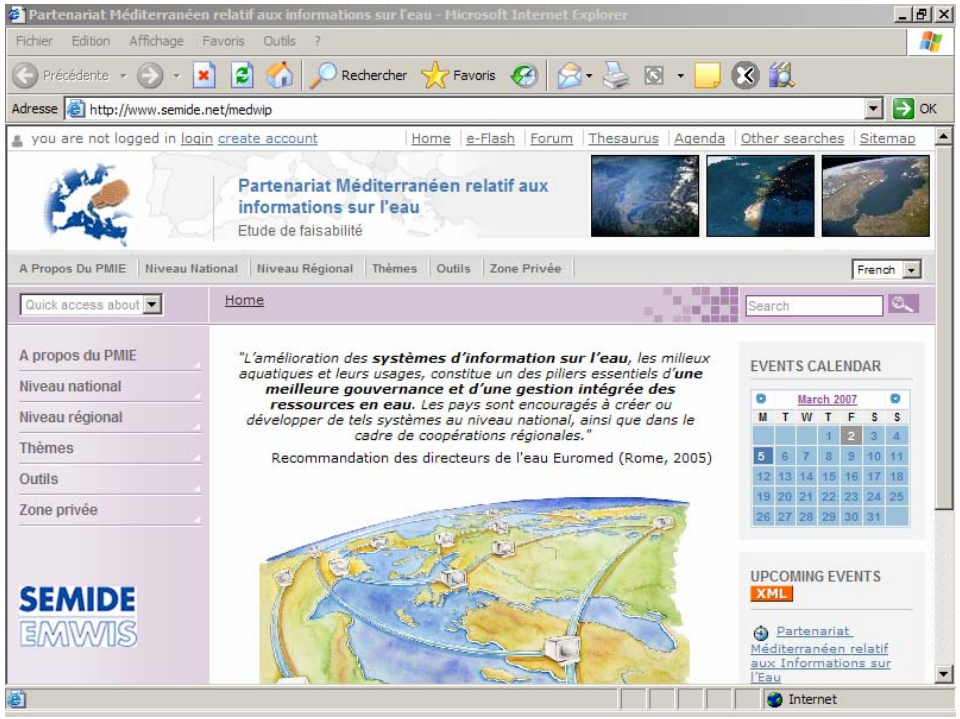
- Draft Partnership **charter** elaboration
- Looking for potential synergy between the main initiatives managing water related data (UN-Water, UNEP-MAP+ plan bleu & Info-rac, EEA, MedStat/eurostat, WWC, ..)
- Test and assessment of potential MedWIP outputs activities on key topics and proposals for working group organisations
  - General indicators on water supply and sanitation (MDG7)
  - Indicators related to water of the MSSD
  - Data on uses of water for agriculture
  - Data on water and sanitation services (as example of topic with dispersed information)
  - Data and indicators on drought
  - Climate change
- Test of some prototype tools (Web portal, catalogue of data sources, Web mapping, regional indicator database …)

Test for demo of some potential horizontal tools

- A Web portal
  - For exchange of information between partners of the study
  - For dissemination of first results
  - As a prototype for future MEDWIP portal
- A catalogue of data and information sources
  - A fundamental tool facilitating and structuring the analysis of the existing situation
  - A concrete output of the MEDWIP feasibility study
  - A catalogue that can be further developed at national level
  - Looking for a synchronisation with other existing catalogues
  - A future potential **"Google" of water related data sources** in the Mediterranean region
- A regional database of water related indicators
  - For enhancement of existing data in complement to existing information systems
- An interactive map prototype
  - As a demo prototype of one of the future outputs of MEDWIP

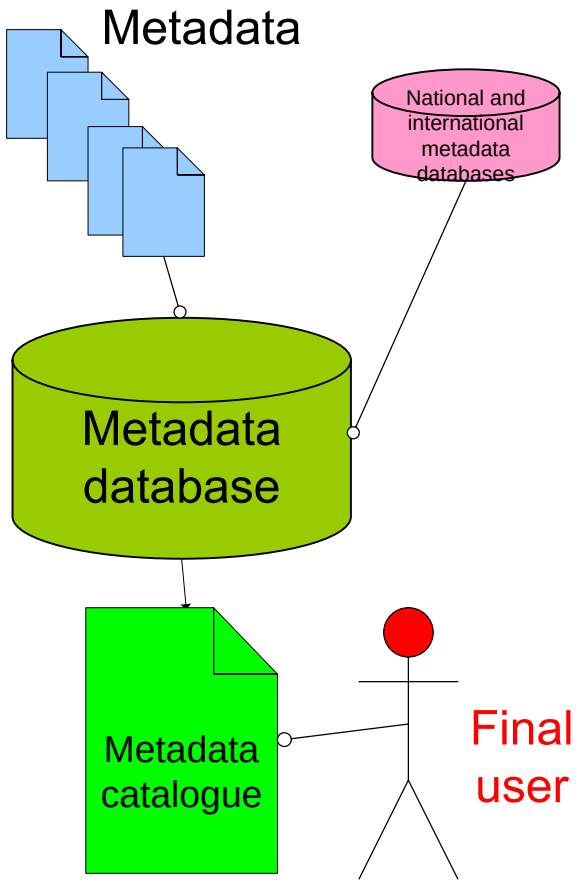
Test of a Medwip Web portal

- Collaboration tool for information exchange and presentation of the study results, with chapters on:
  - National activities
  - Regional initiatives
  - Topical activities
  - Access to the catalogue of data source and to an interactive Web mapping tool
  - Agenda
  - Last news



http://www.semide.net/medwip

Test of a metadata catalogue

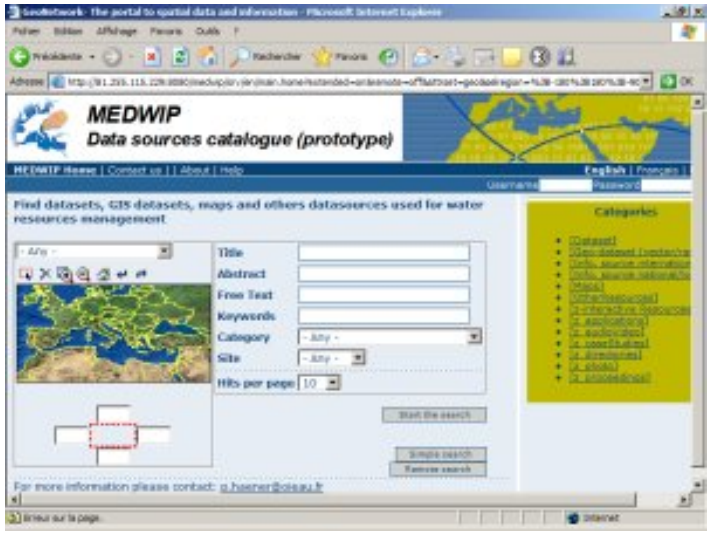


Cyprus	31
France	85
Jordan	31
Libya	0
Malte	30
Morocco	31
Spain	35
Tunisia	0
Regional	20
FAO	28

Catalogue of data sources

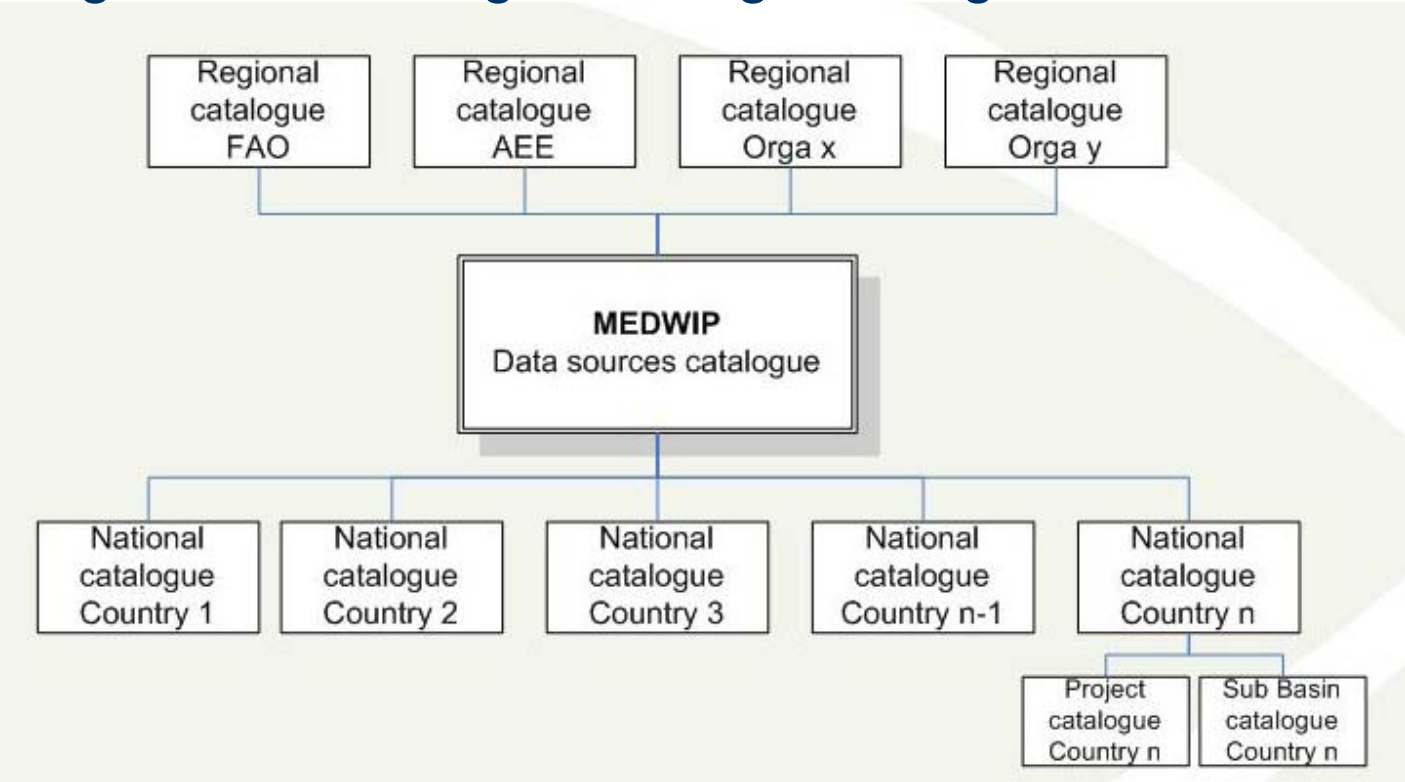
- Identification of available datasets and data sources with geographic and/or keyword research system
- Downloading or access to interactive maps possibilities following access right defined by the data producers
- Visualisation / capture of the data production procedures for data quality and data comparability control (metadata)

http://81.255.115.229:8080/medwip/srv/en/main.home



The catalogue as a tool for collaboration

- **Through a distributed catalogue synchronized with national catalogues and catalogues of regional organisations**

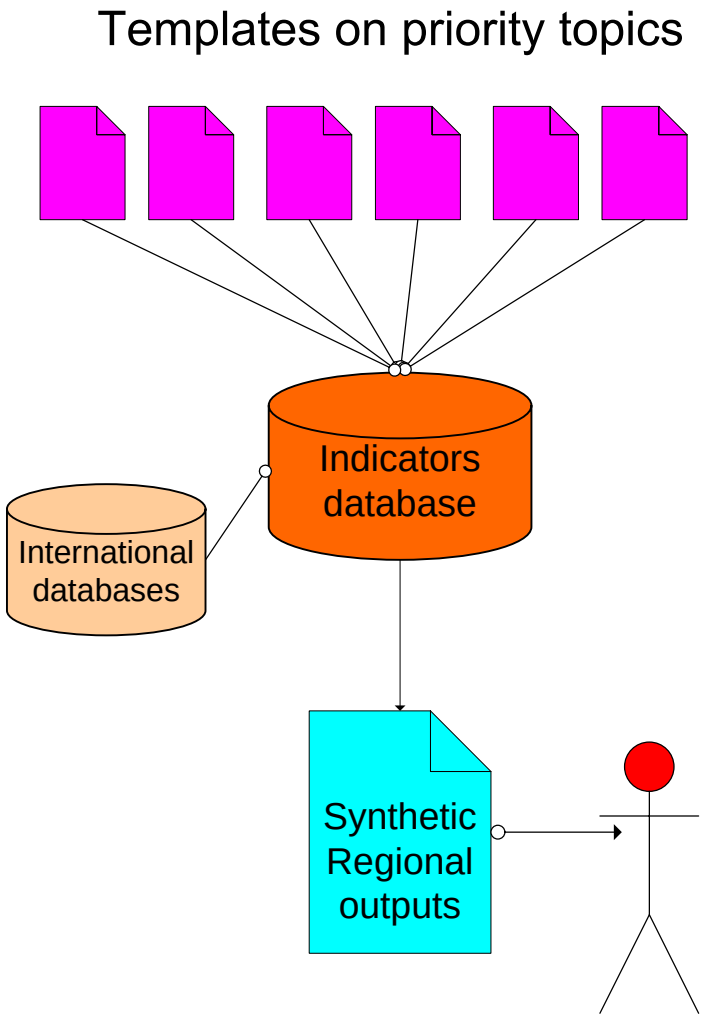


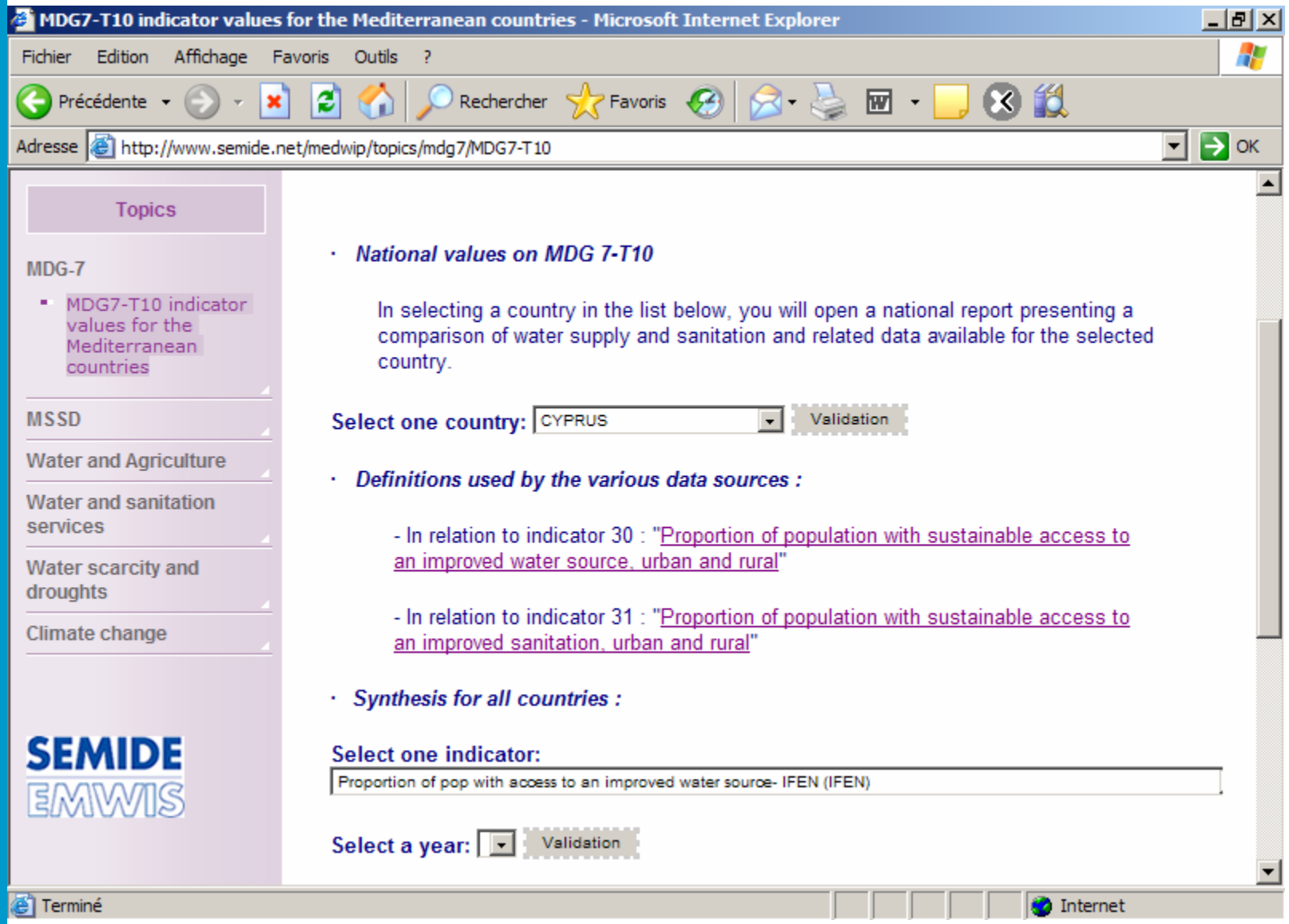
Example catalogue orga. régional, case FAO
Example national catalogue case France/SIE

Strength and shortcomings of the tool used for the catalogue prototype

- Strengths
  - Open Source
  - Support for Dublin Core, FGDC, ISO (and profiles) / Profile mapping on import/export
  - Multilingual interface (en, fr, es, cn)
  - Multilingual thesaurus support
  - Harvesting : XML indexing and search engine
  - Community : UN, France, Spain, Italy, Japan, China, …
- Shortcomings
  - Keywords : how to deal with keywords coming from different sources
  - Management of various versions of metadata datasets
  - Multilingual management of metadata
  - User access rights
  - Link metadata on service with metadata on data
  - ….

Test of a regional indicator database





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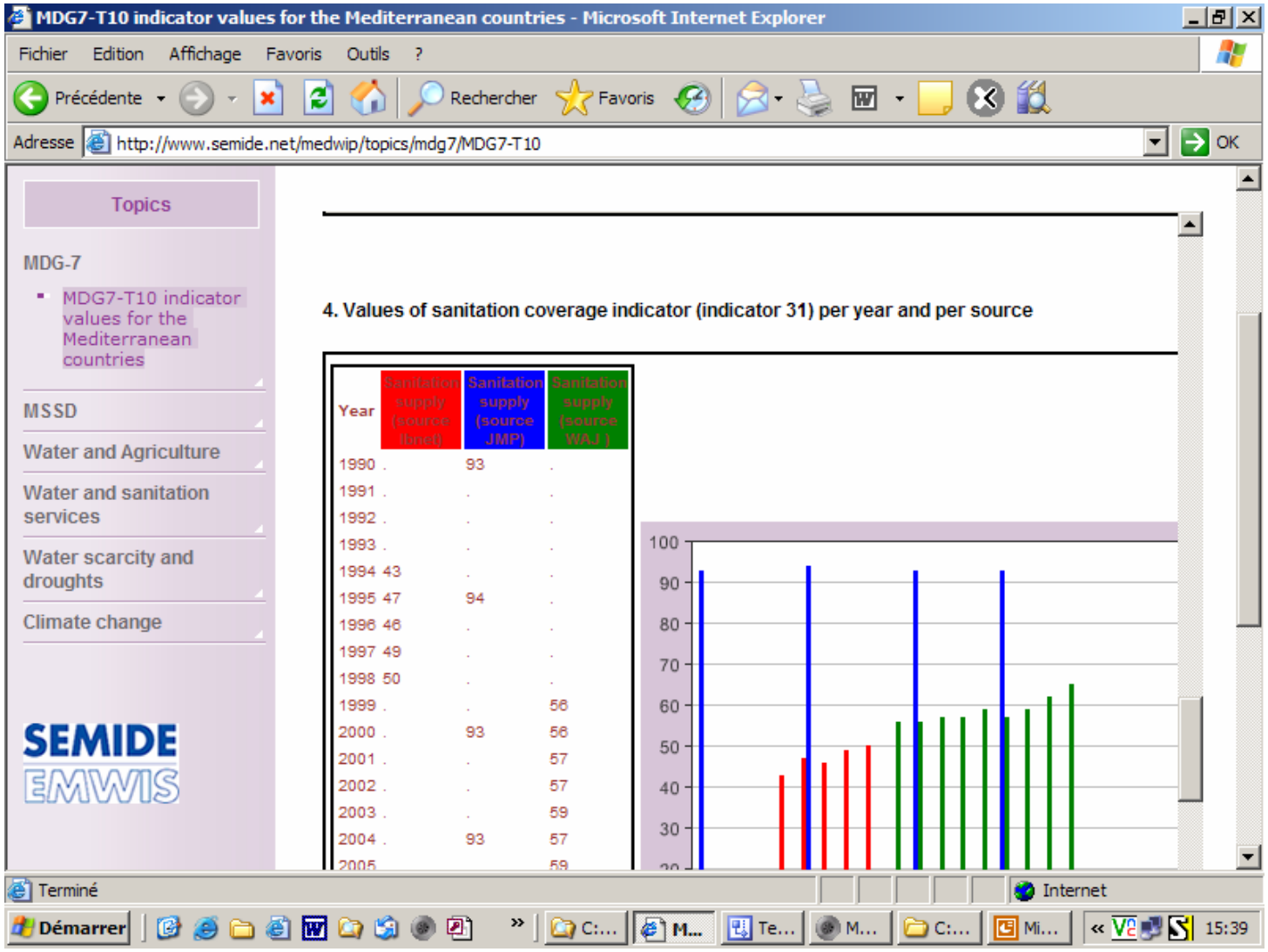
MDG7-T10 indicator values for the Mediterranean countries - Microsoft Internet Explorer
Fichier Edition Affichage Favoris Outils ?
Précédente Rechercher Favoris
Adresse http://www.semide.net/medwip/topics/mdg7/MDG7-T10
OK
Topics
MDG-7
MDG7-T10 indicator values for the Mediterranean countries
MSSD
Water and Agriculture
Water and sanitation services
Water scarcity and droughts
Climate change
SEMIDE EMWIS
4. Values of sanitation coverage indicator (indicator 31) per year and per source
Year
Sanitation supply (source lbnef)
Sanitation supply (source JMP)
Sanitation supply (source WAJ)
1990 . 93 .
1991 . . .
1992 . . .
1993 . . .
1994 43 . .
1995 47 94 .
1996 46 . .
1997 49 . .
1998 50 . .
1999 . . 56
2000 . 93 56
2001 . . 57
2002 . . 57
2003 . . 59
2004 . 93 57
100
90
80
70
60
50
40
30
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Data on Water supply and sanitation peformances indicators - Microsoft Internet Explorer

Fichier Edition Affichage Favoris Outils ?

Précédente Rechercher Favoris

Adresse http://www.semide.net/medwip/topics/wss/values OK

- MDG-7
- MSSD
- Water and Agriculture
- Water and sanitation services
  - Data on Water supply and sanitation peformances indicators
- Water scarcity and droughts
- Climate change

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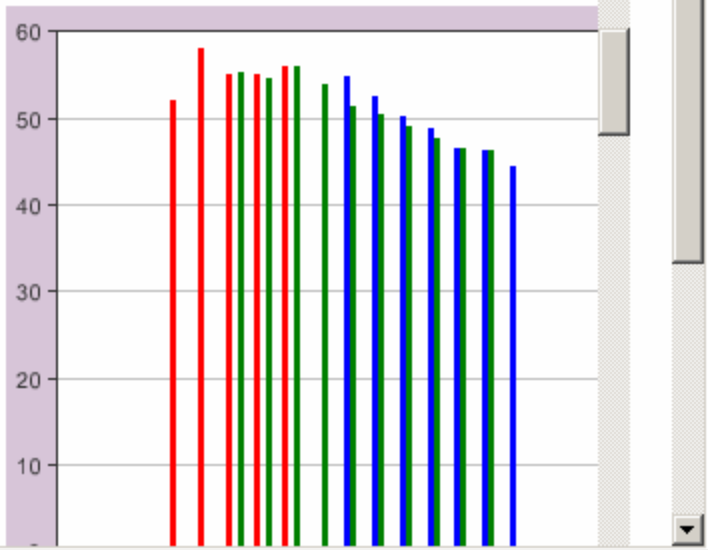
3. Values of unaccounted water per source

Year	% Unaccounted (source Ibnet)	% Unaccounted (source WAJ)	% Unaccounted (source PMU)
1990	.	.	.
1991	.	.	.
1992	.	.	.
1993	.	.	.
1994	52	.	.
1995	58	.	.
1996	55	.	55.25
1997	55	.	54.65
1998	56	.	55.85
1999	.	.	53.82
2000	.	54.9	51.42
2001	.	52.5	50.39
2002	.	50.2	49.11
2003	.	48.7	47.65
2004	.	46.6	46.56
2005	.	46.3	46.34
2006	.	44.5	.
2007	.	.	.
2008			



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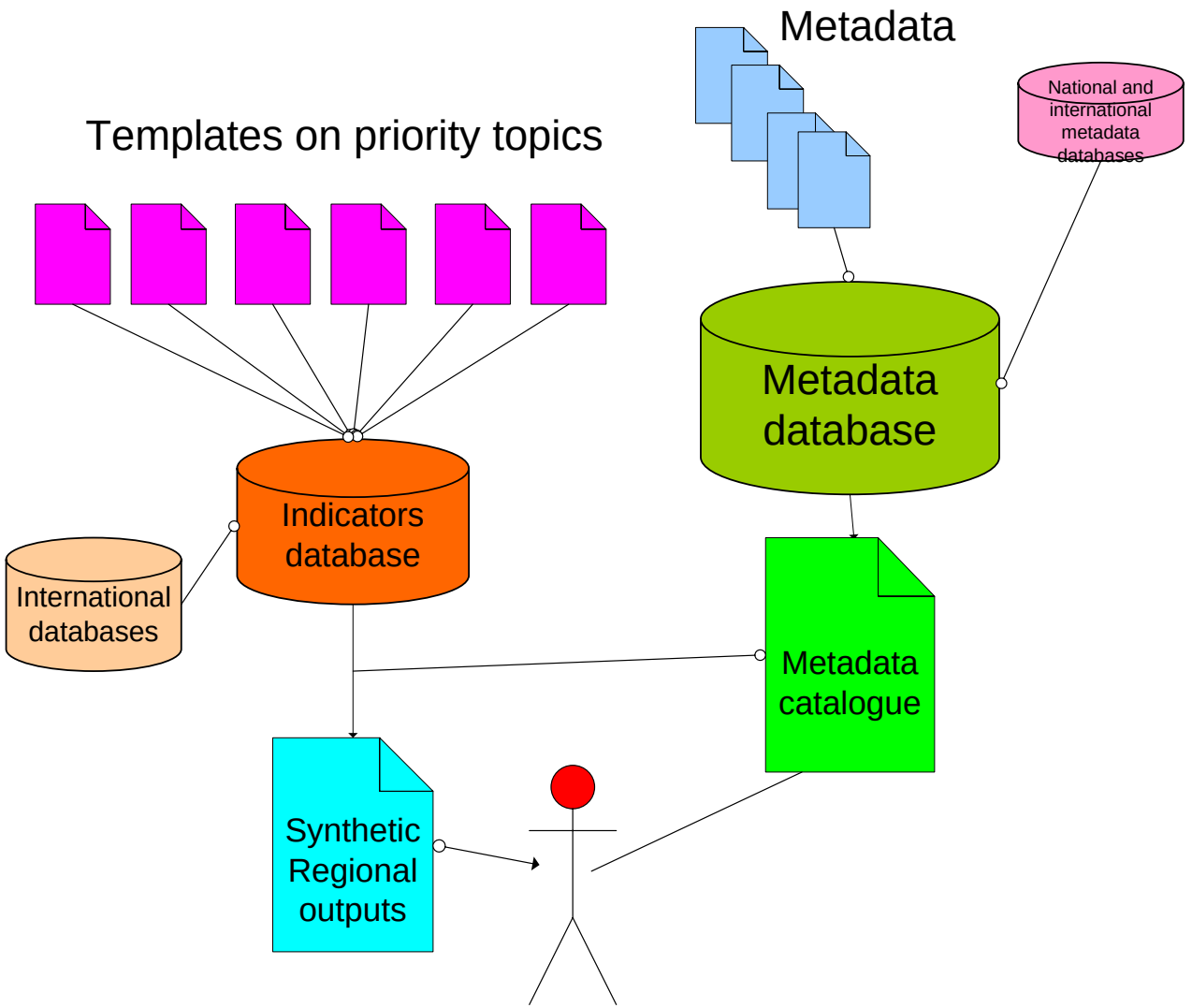
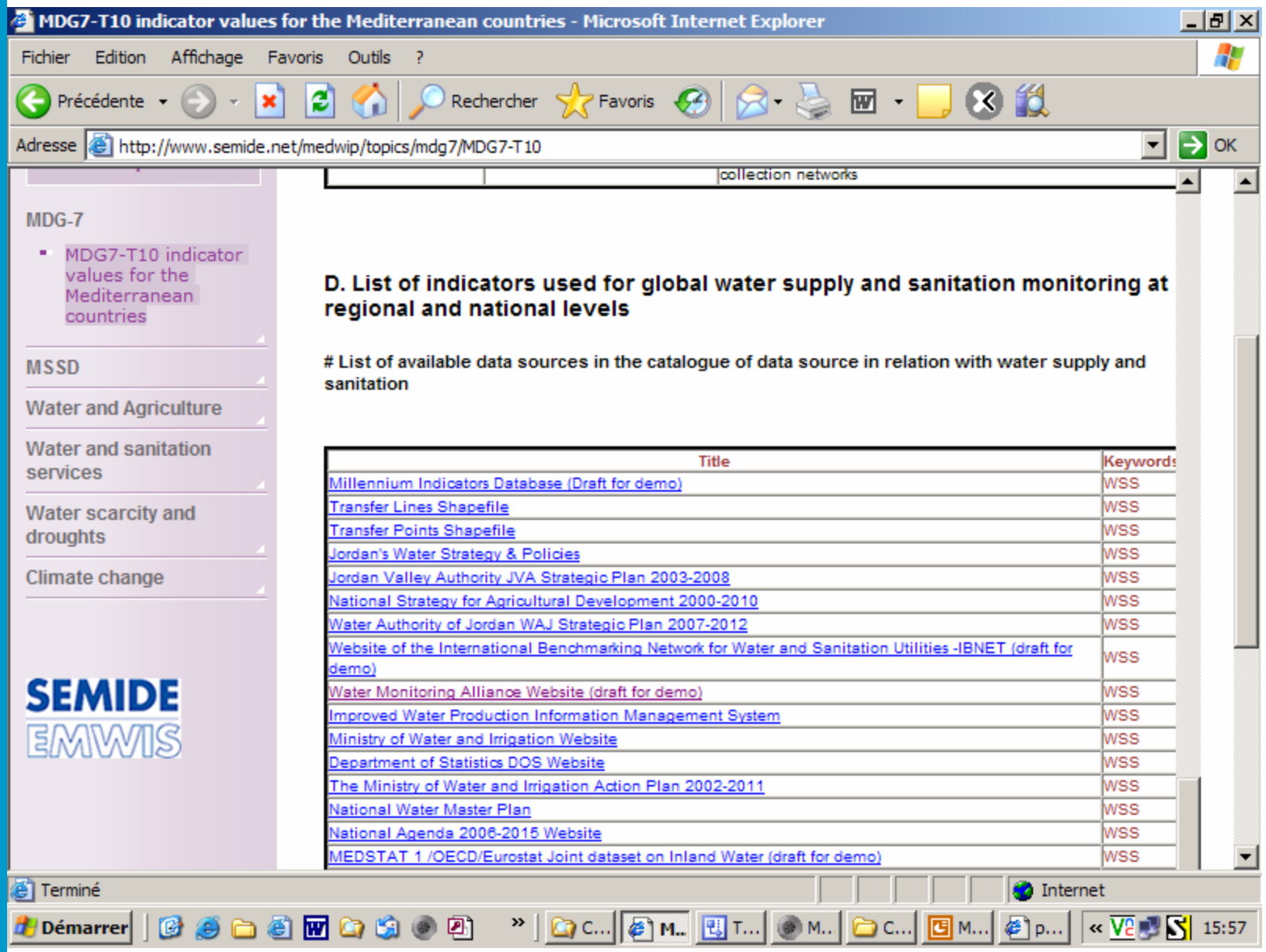
Example of combinaison metadata catalogue and indicator database




MDG7-T10 indicator values for the Mediterranean countries - Microsoft Internet Explorer
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Adresse http://www.semide.net/medwip/topics/mdg7/MDG7-T10
OK
collection networks
MDG-7
MDG7-T10 indicator values for the Mediterranean countries
MSSD
Water and Agriculture
Water and sanitation services
Water scarcity and droughts
Climate change
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D. List of indicators used for global water supply and sanitation monitoring at regional and national levels
List of available data sources in the catalogue of data source in relation with water supply and sanitation
Title
Keywords
Millennium Indicators Database (Draft for demo) WSS
Transfer Lines Shapefile WSS
Transfer Points Shapefile WSS
Jordan's Water Strategy & Policies WSS
Jordan Valley Authority JVA Strategic Plan 2003-2008 WSS
National Strategy for Agricultural Development 2000-2010 WSS
Water Authority of Jordan WAJ Strategic Plan 2007-2012 WSS
Website of the International Benchmarking Network for Water and Sanitation Utilities -IBNET (draft for demo) WSS
Water Monitoring Alliance Website (draft for demo) WSS
Improved Water Production Information Management System WSS
Ministry of Water and Irrigation Website WSS
Department of Statistics DOS Website WSS
The Ministry of Water and Irrigation Action Plan 2002-2011 WSS
National Water Master Plan WSS
National Agenda 2006-2015 Website WSS
MEDSTAT 1 /OECD/Eurostat Joint dataset on Inland Water (draft for demo) WSS
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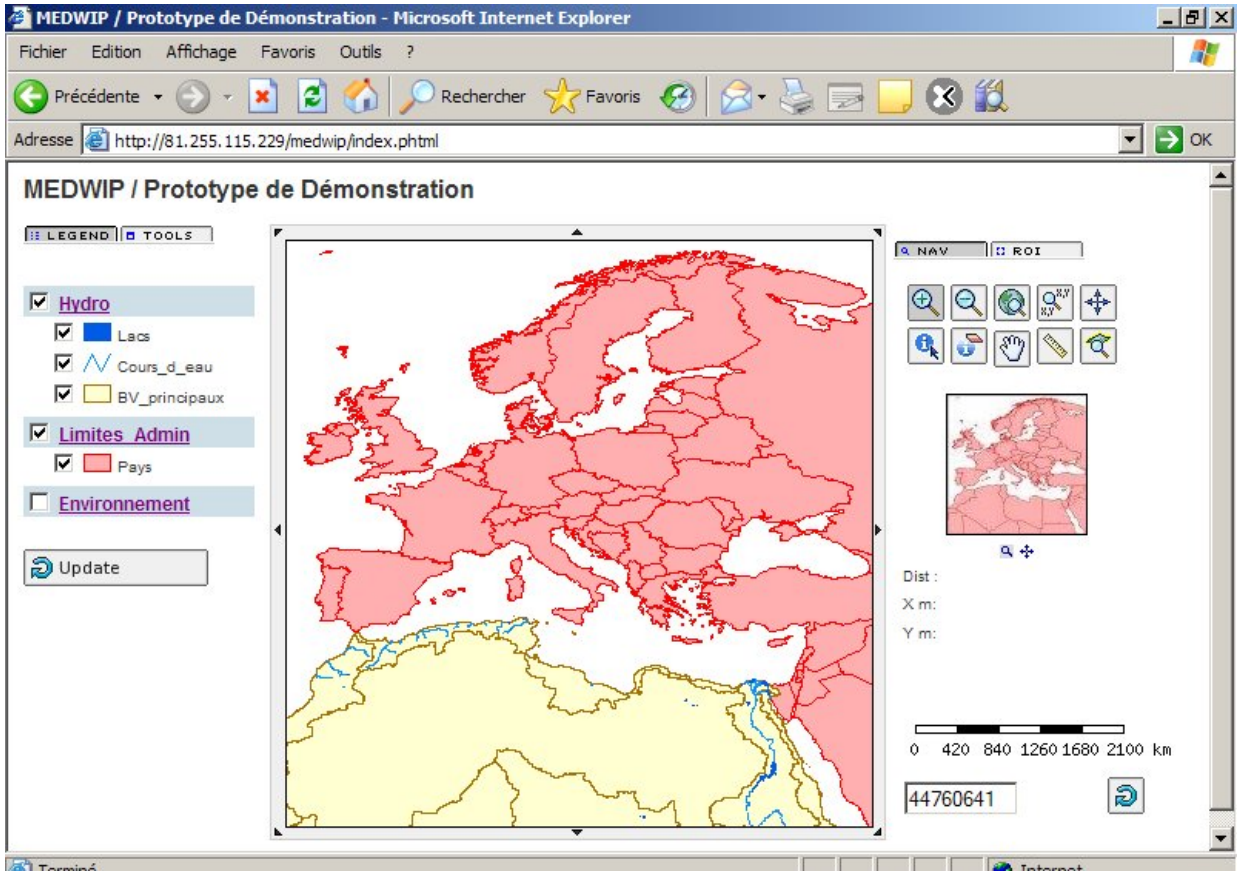
Test of a web mapping tool (prototype)

- Prototype for demonstration under development
- Allows:
  - Selection of layers
  - Zoom (up to aerial photo as test)
  - Request for attributes information
  - Calculation of distance
  - …..



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