

Feasibility study on a Mediterranean water Observatory mechanism

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MEDA Water



EURO-MEDITERRANEAN PARTNERSHIP





Organisation of the feasibility study

➤ Objective

- feasibility regarding a “**regional water observation mechanism in the Mediterranean region** for monitoring the indicators towards the achievements of the Millennium Development Goals related to water and sanitation in the Mediterranean, as well as on the implementation of the “water” related section of the Mediterranean Strategy for Sustainable Development, based on information coming from the national water information systems, when they exist.

➤ An open steering group

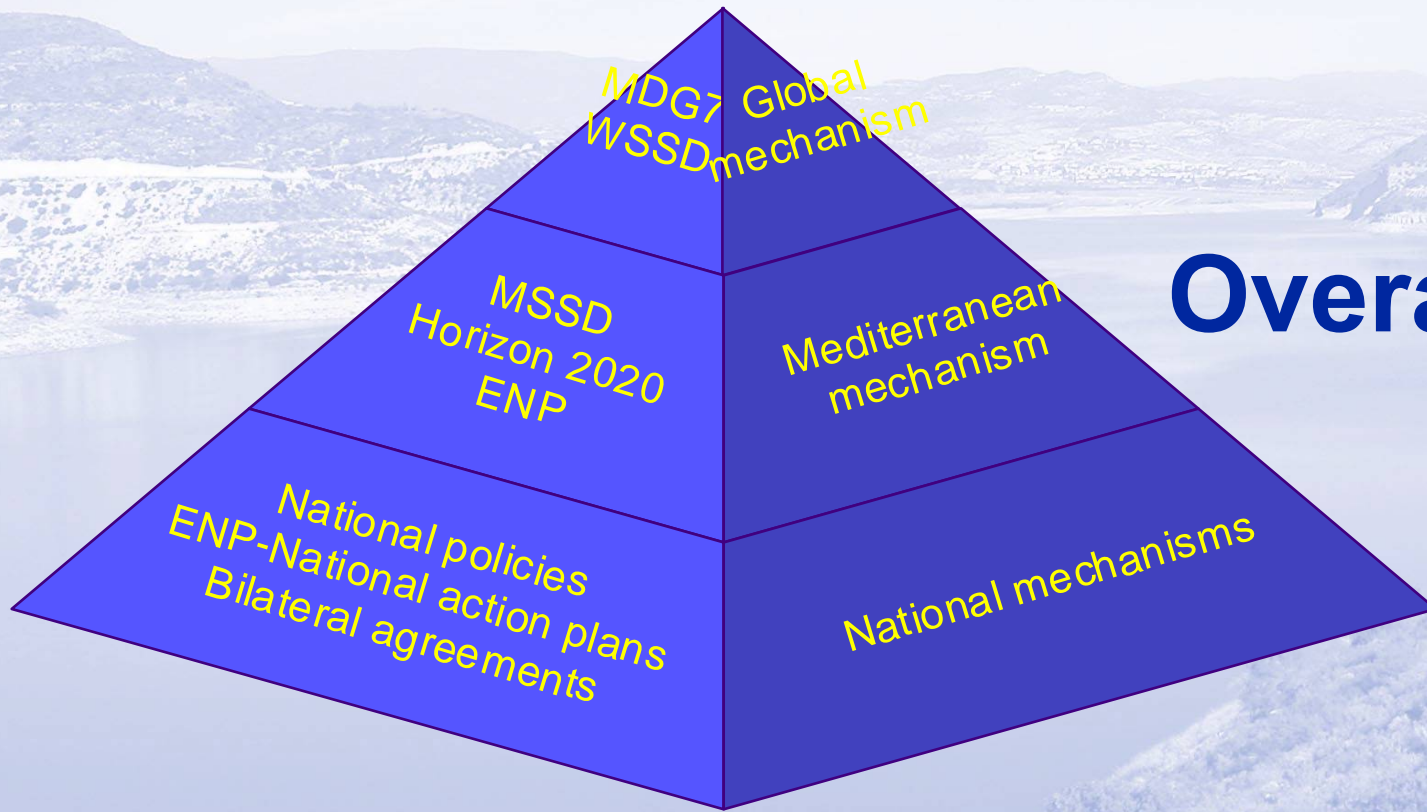
- **National water authorities, EC, Eurostat, EEA, MAP-Medpol, MAP-Blue Plan, MAP-Info-RAC, IME, MENBO, OECD, Unesco/WWAP, AfDB-AWF, PSEau-Med, ...**

➤ Two Phases

- July-December 2006 - **key orientations -> validated by the Euromed water directors (Athens, Nov'06)**
- February-December 2007 - **Recommendations**

➤ Activities

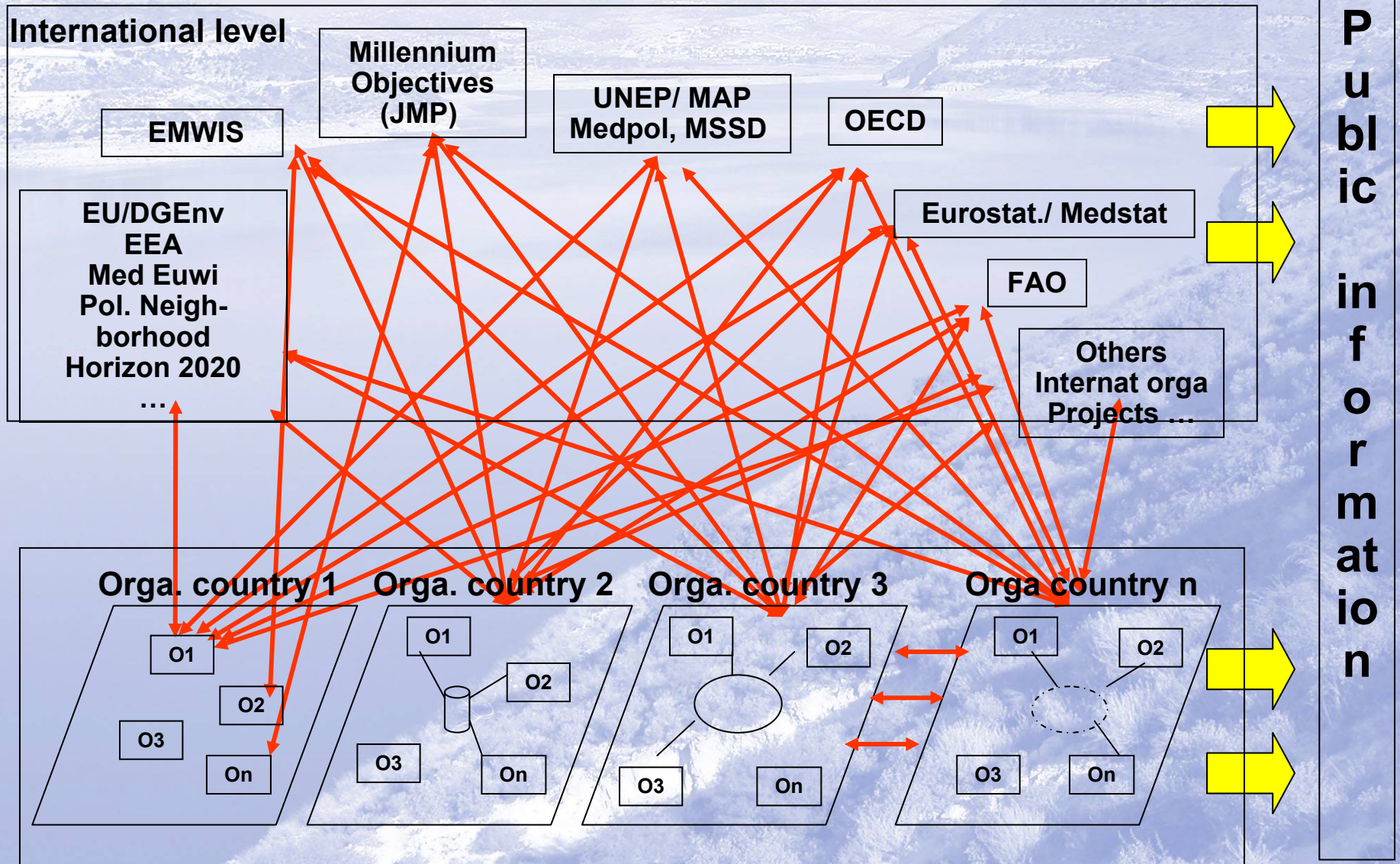
- **Diagnostic studies in 7 volunteer countries: Cyprus, Jordan, Malta, Morocco, Tunisia, France and Spain**
- **Study of the collection and dissemination processes at international level**
- **Analysis of data availability and access on 6 topics (MDG, MSSD, WSSI, Agriculture, Drought, Climate changes)**
- **Specific analysis on MSSD indicator with 5 countries with Bleu Plan**
- **Concertation with regional initiatives, experts and national stakeholders**



Overall principle

- To ensure effective and long term participation of the Med countries
- To reinforce existing networks and avoid any duplication with on-going or planned actions
- To seek for synergies between the various organisations involved, either national, local or international

Current situation





Overview of expectations

Threats

- Lack of legal framework for reporting water data
- Many international initiatives and political processes
- “Observation”/”monitoring” seen as intrusive for national water management

Opportunities

- Strong demand of international stakeholders
- Commitment to NWIS, but not yet developed
- Common basic data used for the calculations of indicators
- Organisational problems rather than lack of data



A mechanism for what?

- **Facilitating identification and access to quantified data**
 - Internet portal
- **Having comparable data allowing the production of quality indicators**
 - guidelines
- **Assisting countries in the management of quantified water data**
 - NWIS (or sub –components)
- **Carrying out additional regional analyses**
 - Reports

for the follow-up of the regional water strategy



Starting with a limited number of data of common interest

- The assessment of renewable water resources;
- The assessment of exploited volumes by sector (domestic water, irrigation, industry) and by source (surface water, groundwater);
- The assessment of coverage for drinking water supply and sanitation;
- The assessment of pollutant discharges into the Mediterranean.



Governance

- **Steering by the Water Directors Forum:**
 - Choice of topics
 - Validation of produced analysis
 - Validation of the involvement of international and national organisations?
- **Participation based on voluntary basis with a priority to Med countries**
- **Openness to national & local institutions dealing with water data**
- **Openness to international organisations dealing with water data in the recognised framework**
- **Scientific committee?**
- **Coordination of the implementation by EMWIS as an extension of its current mandate on the proposal of the countries involved in its Steering Committee**



Implementation

Based on:

- National and local organisations, producing/managing/using water data working together to set-up an NWIS
- International organisations working on targeted topics for data standardisation and sometimes technical or financial assistance to the national level;
- Existing/emerging technical infrastructures in terms of federating tools, in particular:
 - Water Information for Europe - WISE – with a Mediterranean module
 - that emerging from the National Water Information Systems.
- Potential evolution as a component of a Shared Environment Information System

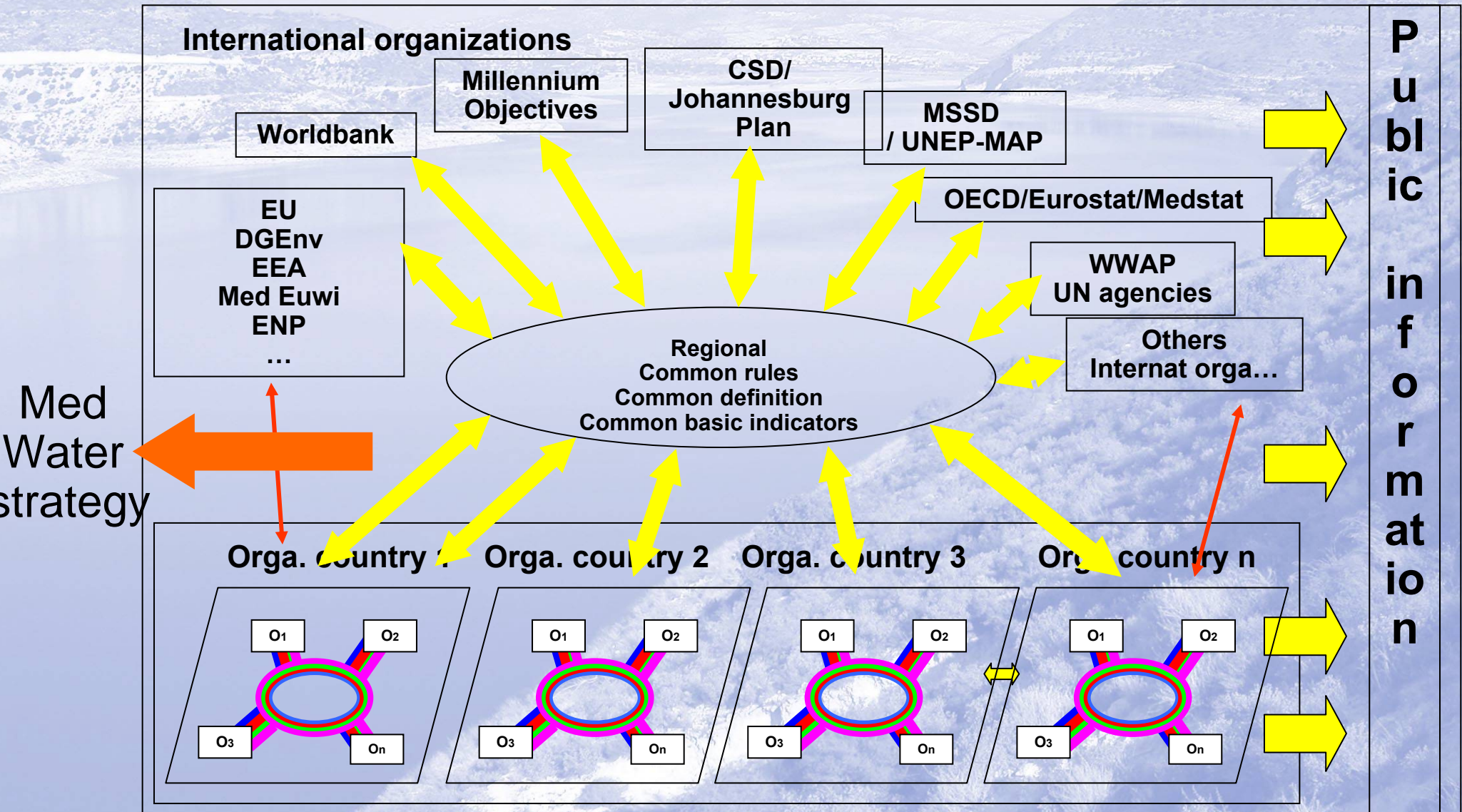


Some basic principles (SEIS/WISE/Inspire principles)

- Information managed/produced as close as possible to its source
- Information is provided once and used for many purposes
- To each/information data can be associated a unique “official” provider
- Available information can be easily identified and is accessible following rights given by the data provider
- Provided data and information are comparable and interoperable
- Basic tools and services are made available to facilitate final users activities
- Programs are developed to support data production when necessary



Overall vision





Added value

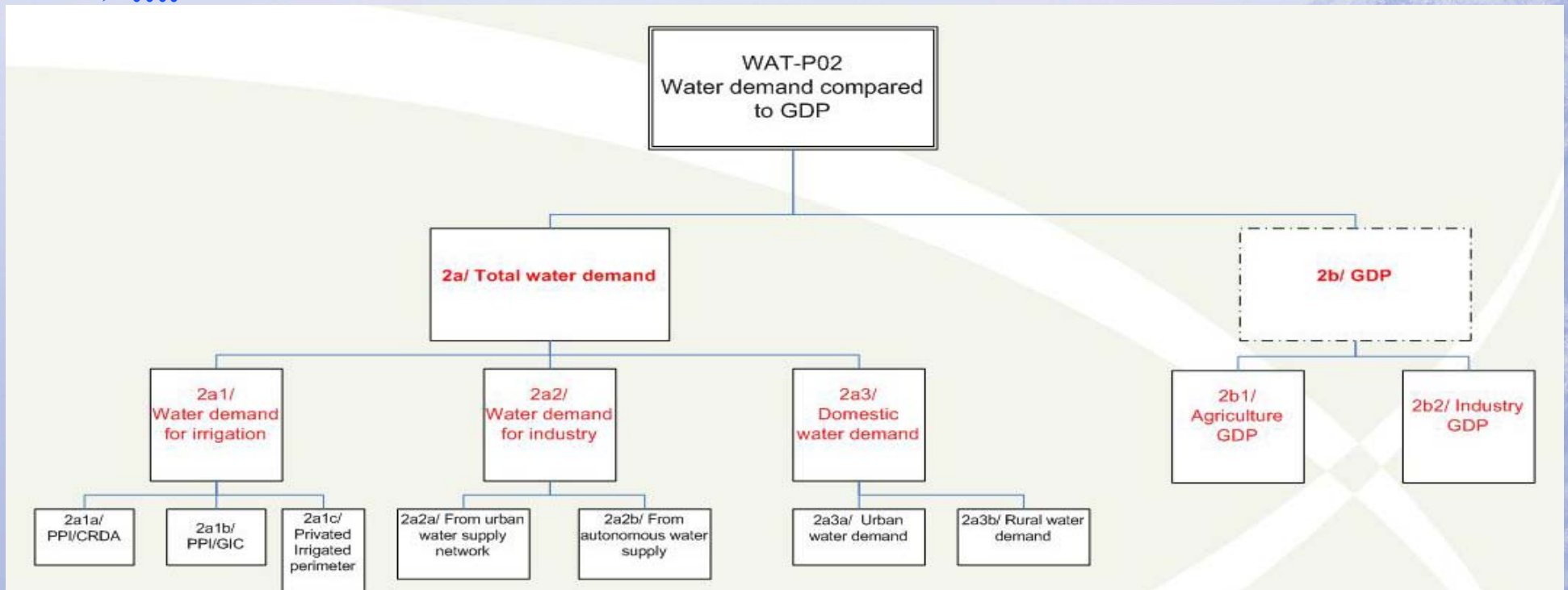
- **For countries**
 - Support to developed harmonised NWIS
 - Simplified and transparent reporting (incl. identification of information sources)
- **For international initiatives**
 - Systematic data collection processes
 - Harmonised data and exchange procedures
- **For both:**
 - Comparison of data / indicators
 - Easier identification and access to relevant and quality data



Expected output at regional level

➤ Example of a direct collaboration with regional organisation (case of MSSD indicators collected by UNEP/MAP-Blue Plan)

- for the production of comparable/interoperable data
- for the production of indicators of quality
-

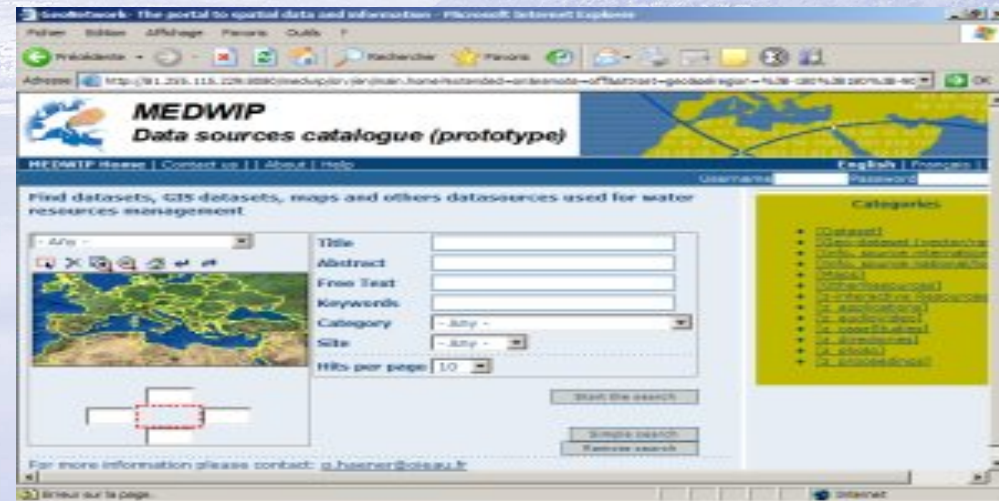




Tools for identification: metadata catalogue of data sources

- For identification of existing datasets and data sources with geographic and/or keyword research system
- For downloading or access to available data and information following access right defined by the data producers
- For visualisation / capture of the data production procedures for data quality and data comparability control (metadata)

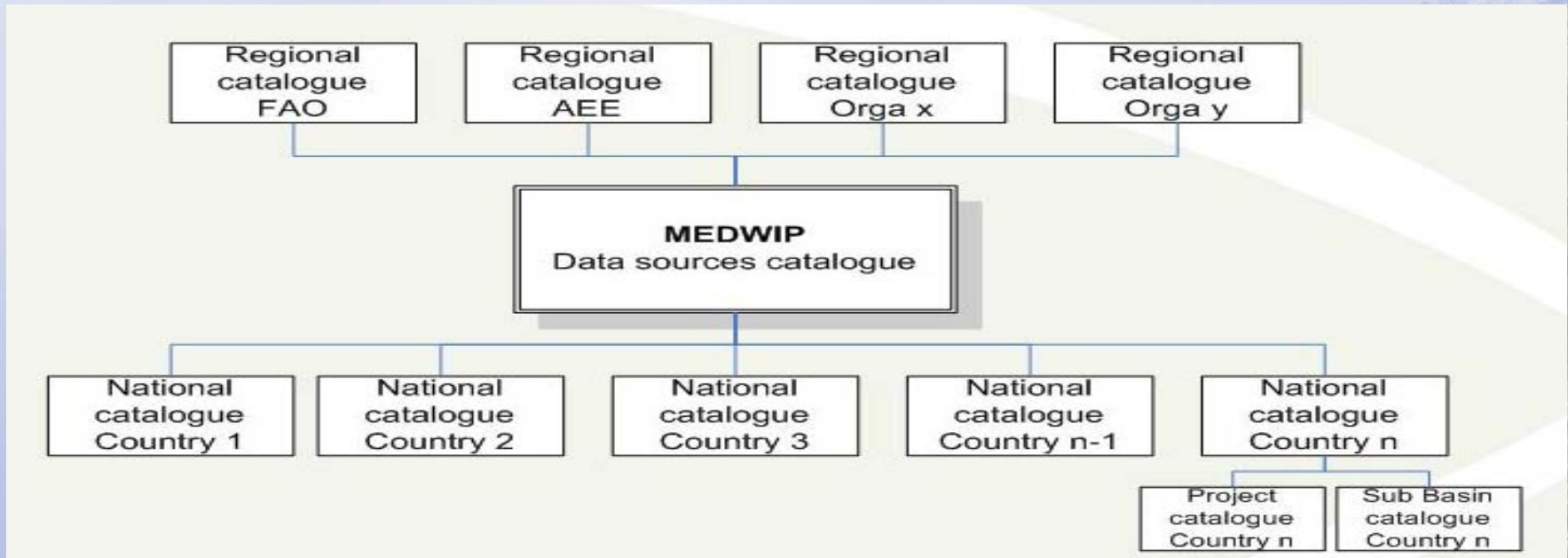
<http://81.255.115.229/medwip/srv/en/main.home>





The catalogue as a tool for collaboration

- A distributed catalogue synchronized with regional, national and local catalogues



Example catalogue orga. régional, case FAO

Example national catalogue case France/SIE



Example of tools for data consultation

MDG7-T10 indicator values for the Mediterranean countries - Microsoft Internet Explorer

Fichier Edition Affichage Favoris Outils ?

Précédente Recherche Favoris

Adresse <http://www.semide.net/medwip/topics/mdg7/MDG7-T10>

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 Inet)	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
2005	.	.	59

Terminé

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<http://www.semide.net/medwip/topics/mdg7/MDG7-T10>

Thank you



➤ For additional information:

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Mediterranean Water Information Mechanism
Portal under development for the feasibility study

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About this study
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Regional level
Thematic data and information
Tools and method for water data management
Restricted area

SEMIDE EMWIS

WISE

"The improvement of information systems on water, aquatic environments and their use is one of the essential pillars for better governance and integrated water resources management. Such systems should be created or developed in each country as well as in the framework of the regional cooperation." Recommendation from the Euromed water directors (Rome, 2005)

EVENTS CALENDAR
December 2007

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

UPCOMING EVENTS