



## Strengthening Water Information and monitoring in the Mediterranean

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## High level of expectations

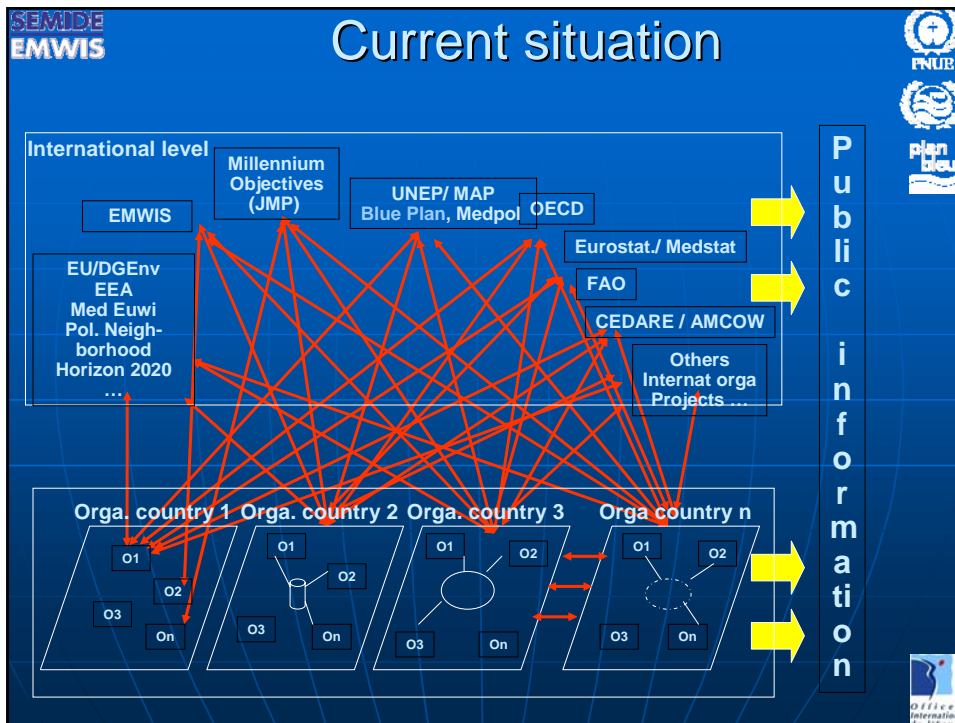
- **Civil Society:**
  - *"underline the need for reliable data and to enable the free flow of information and sharing of data"*
- **Ministerial declaration:**
  - *"reaffirm the importance of data, information and statistics on water, based on internationally agreed definitions and methods, structured within information system "*
  - *"call for strengthening the coordination of existing Euro-Mediterranean initiatives and networks on information and expertise, policy planning and monitoring "*
  - *"underline the importance of exchange of good practices, including through EU, Mediterranean, and other relevant programme "*

# Background

- **EMWIS**
  - ❑ 9 years of operation
  - ❑ 20 countries
  - ❑ About 50 000 visitors per month
- **Feasibility studies of National Water Information Systems (NWIS) 2005**
  - ❑ Algeria, Cyprus, Israel, Jordan, Lebanon, Malta, Morocco, Palestine, Tunisia, Turkey
- **Preliminary analysis for a Mediterranean Water Observation Mechanism - 2006-2007**
  - ❑ 7 national diagnostic studies
  - ❑ 25 international initiatives consulted
- **MSSD Indicators (Blue Plan)**
  - ❑ Agreed by Contracting Parties of the Barcelona convention
  - ❑ First evaluation in 2007, Saragoza

# Value of Water Information

- **Policy planning and assessment**
  - ❑ Knowledge of the resource, its status and evolution
  - ❑ Aggregated indicators with socio-economic data
- **Integrated water resources management and risk prevention with all stakeholders**
  - ❑ Operational monitoring at local level
- **Accountability, public information, awareness raising and participatory approaches**
  - ❑ (local) status, simulation
- **Research and development**
  - ❑ Data series
- **Projects and programmes monitoring**
  - ❑ Simultaneous combination of geographical levels



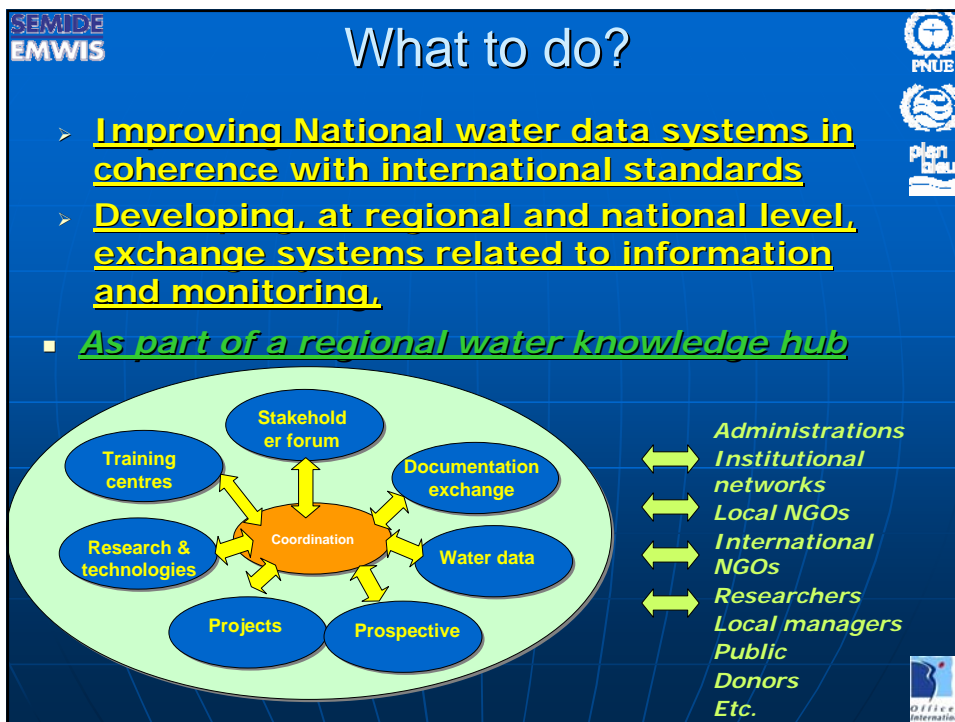
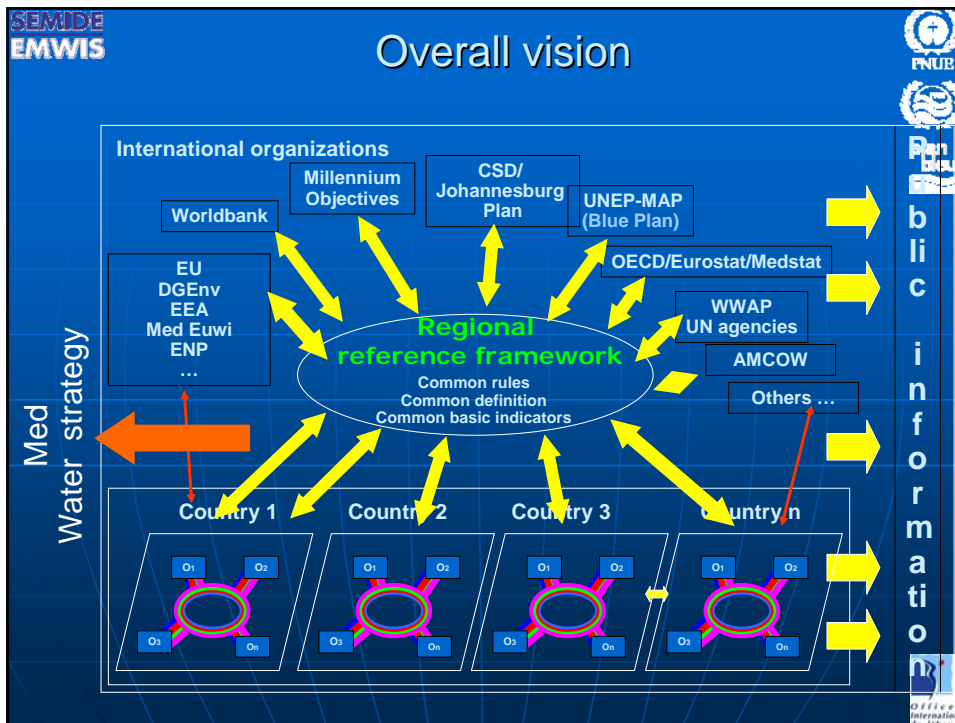
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## Threats

- 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 (information necessary for daily management)
- Common basic data used for the calculations of indicators
- Organisational problems rather than lack of data
- Union for the Mediterranean (Mediterranean Water Strategy)



## Countries for pilot activities

- **Declared at the last Steering Committee meeting:**
  - ❑ Jordan, Lebanon, Morocco, Tunisia
  - ❑ France, Italy, Spain
- **Other potential countries:**
  - ❑ Turkey
  - ❑ Balkan country to be identified

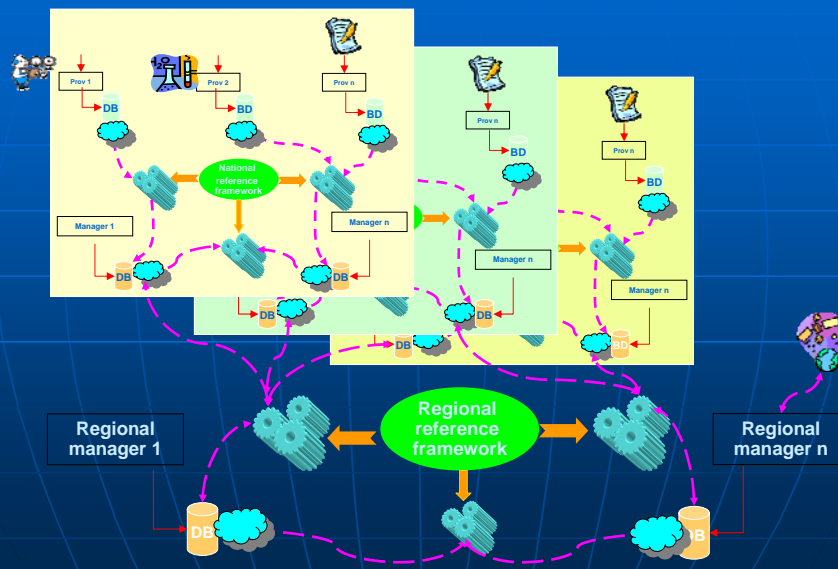
## What's next?

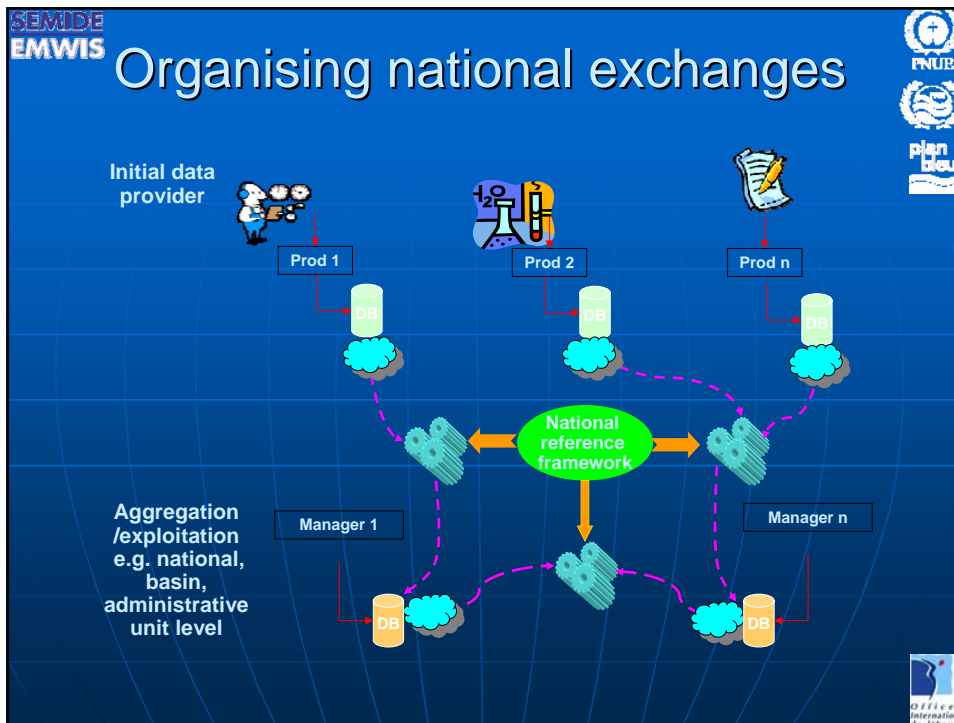
- **Already done:**
  - ❑ Validated concept note (Arabic, English and French)
  - ❑ Outline generic workplan and budgets for both regional and national activities
- **Definition of ToR by pilot countries**
  - ❑ Adapted detailed national activity plan
  - ❑ Related budget
- **Agreement on key data for pilot exercise**
  - ❑ Resources
  - ❑ Withdrawal by sector
- **Fund raising for national activities and regional activities**
  - ❑ as a priority project for the Union for the Mediterranean

Thank you

[www.semide.net](http://www.semide.net)

# Organising regional exchanges





- SEMIDE EMWIS** Content of a reference data framework
- Hydrological networks (e.g. rivers, watersheds, lake, aquifers)
  - Water management areas (e.g. protected areas, administrative units)
  - Data dictionaries (data models, reference lists)
  - Definition of indicators, data collection methods
  - Interoperability specifications (exchange formats/ service protocols)
- 1st working group meeting, 19 March 2009 – Istanbul
- Office Internationale Polynésie

## Preparing a coordinated horizontal activity

- **Who? a small drafting group with:**
  - Mediterranean “networks” involved in information/data management
  - Experienced Mediterranean countries
  - But full openness during the operational phase
- **Objectives:**
  - Identifying quantified objectives,
  - Defining a concerted operational work programme
  - Governance and management options
  - Financial requirements
- **Means: limited to existing resources**
  - Electronic communication facilities
  - Already planned meetings

## Timeframe

- **Jan-Feb 2009:**
  - concept note, informal discussions
- **March 2009: 1st drafting group meeting, Istanbul**
  - Agreement on concepts & activities
- **May 2009: EMWIS Steering Committee**
  - Consolidated concept paper (action plan & budget) approved
  - Request to go ahead with pilot countries
- **June 2009 UpM Ministerial meeting on sustainable Dvlp**
  - Presentation of consolidated concept note
- **Nov. 2009: Contracting Parties Barcelona convention**
  - Presentation of the activities (linked to the SIMEDD)
- **End 2009: UfM water expert group**
  - Presentation of the horizontal activity as a UpM project
- **1st semester 2010: UfM ministerial conference**
  - Validation of the horizontal activity / project

## Potential activities at national level

- Organisational and institutional actions
  - ❑ Collaboration framework between institutions
  - ❑ Production of metadata
  - ❑ Rules for production, management and sharing
  - ❑ Semantic interoperability on priority data
  - ❑ Organisation of regular data collection, production of indicators and other information products
  - ❑ Procedure effectiveness and needs for reinforcing information infrastructures
  - ❑ Production of a national action plan for data administration (data master plan)
- Drafting terms of reference for technical development and training
- Technical development and capacity building
  - ❑ Development of infrastructures for information management
  - ❑ Training of human resources

## Potential activities at regional level

- Development of priority tools for the regional infrastructure
  - ❑ Regional Web portal
  - ❑ Platform of the exchange of information and best practices
  - ❑ Regional catalogue of metadata
  - ❑ Data base of the indicators used by the partners
  - ❑ Production of information (indicators, maps graphs, ...)
- Development of rules and common reference frames for data and service interoperability
  - ❑ Rules for the production and declaration of metadata
  - ❑ Rules for data confidentiality and sharing
  - ❑ Data templates and reference frames for semantic interoperability on priority topics
  - ❑ Rules necessary for technical interoperability
  - ❑ Development of the first on-line services between regional organisations
- Generation of priority synthetic products expected at the regional level
- Actions for technical co-ordination and enhancement of the « acquis »
  - ❑ Regional workshops for dialogue /validation
  - ❑ Co-operation with and support to the other regional bodies
  - ❑ Drafting and dissemination of the guidance documents and technical procedures

## Budget overview for regional activities

Two years budget overview	Costs years 1+2 (€)
<b>Regional activities</b>	
Set-up of priority tools for the regional infrastructure	250 000
Preparation of guidance documents	350 000
Data aggregation, quality control and first regional synthesis	300 000
Organisation of 4 regional workshops	200 000
Overall management and coordination	150 000
<b><i>Sub-total Regional level</i></b>	<b>1 250 000</b>

## Budget overview for national activities

<b>Standard support to national activities (per country for 6 months)</b>	
Contribution to investment costs (computer, telecom, software)	10 000
Contribution to the coordination / awareness activities	5 000
Strengthening organisational and institutional frameworks (technical assistance)	90 000
Preparations of terms of reference for setting up a national system	20 000
<b><i>Sub-total National level support</i></b>	<b>125 000</b>

# Status



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	<u>Jordan</u>	<u>Lebanon</u>	<u>Morocco</u>	<u>Tunisia</u>	<u>Turkey</u>
<u>NWIS feasibility (2005)</u>	X	X	X	X	X
<u>Water Obs. Mechanism (2007)</u>	X		X	X	
<u>Other NWIS studies</u>		X Implemen- tation Strategy		X Prefunding Audit	
<u>Funding</u>				2 M€	
<u>Pilot harmonisation</u>		X To be launched		X	

