

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 "*

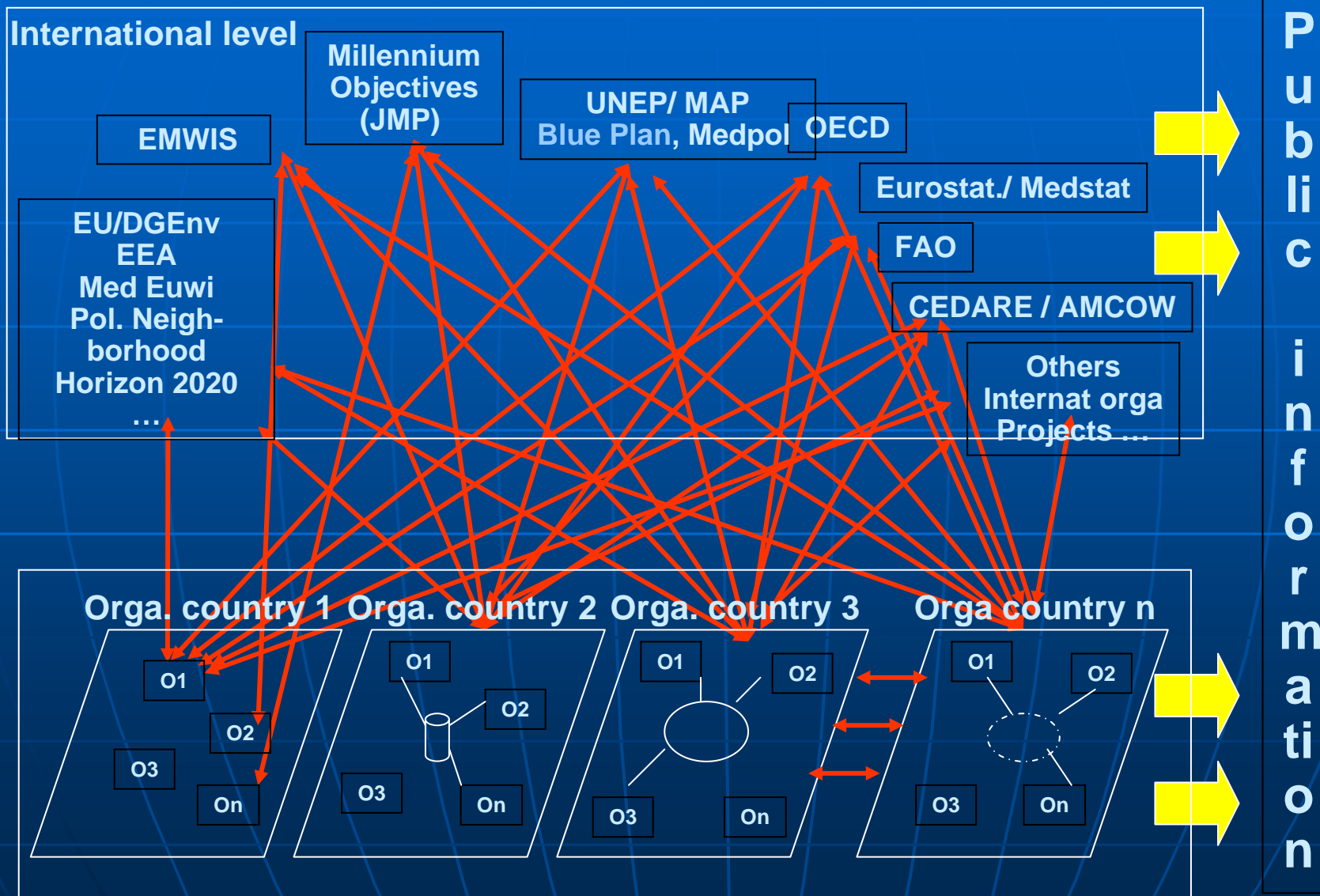
Background

- **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

Current situation



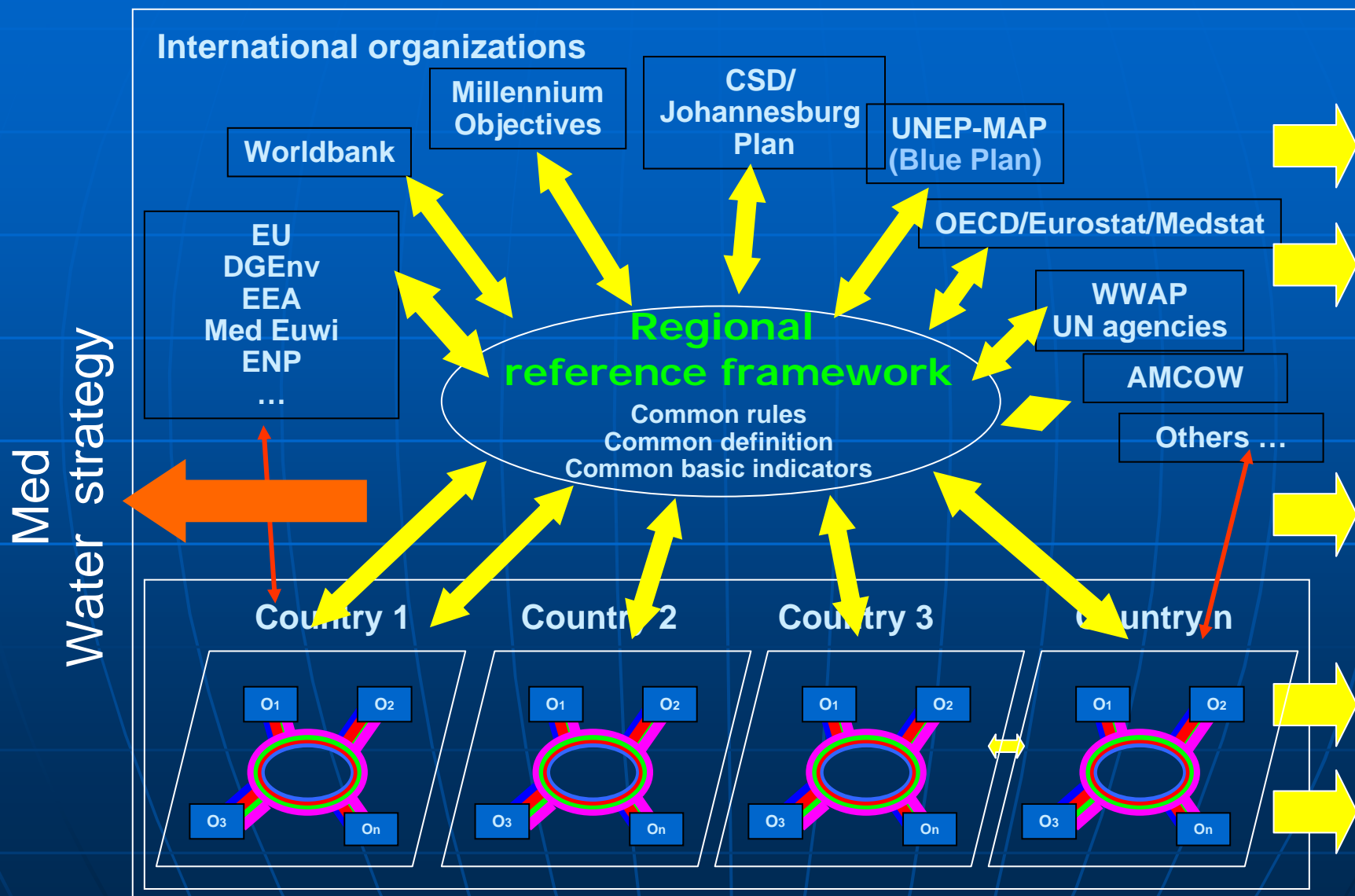
Threats

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

Opportunities

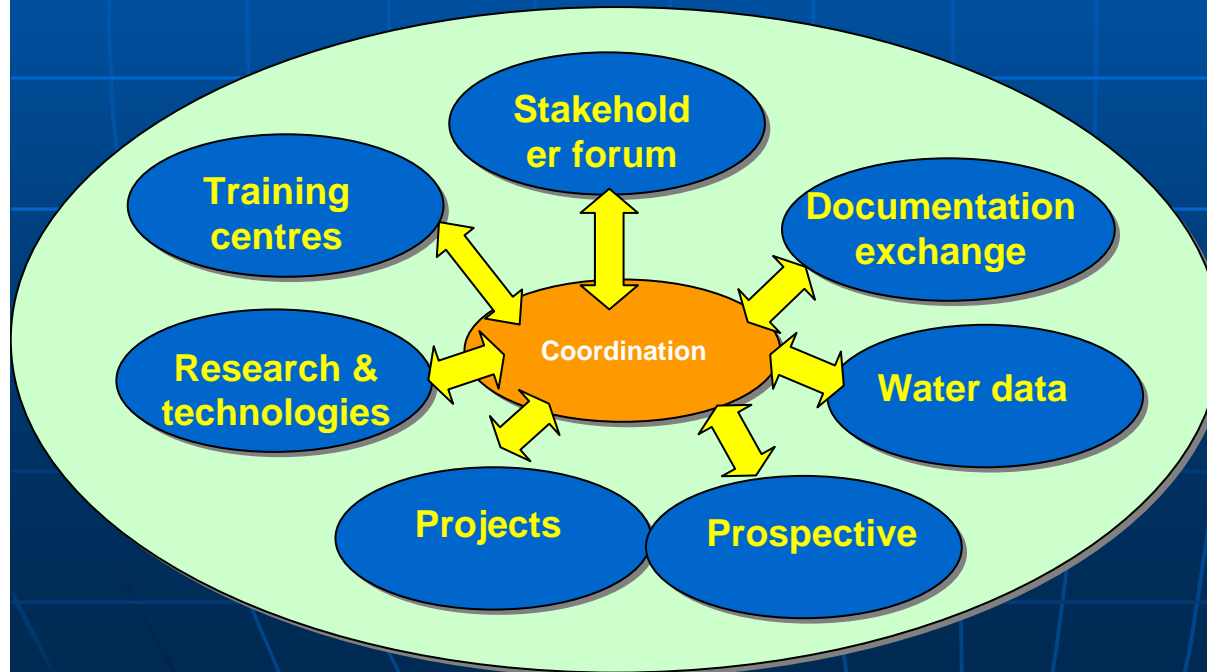
- Strong demand of international stakeholders
- Commitment to NWIS, but not yet developed (information necessary for daily management)
- Common basic data used for the calculations of indicators
- Organisational problems rather than lack of data
- Union for the Mediterranean (Mediterranean Water Strategy)

Overall vision



What to do?

- Improving National water data systems in coherence with international standards
- Developing, at regional and national level, exchange systems related to information and monitoring,
- *As part of a regional water knowledge hub*



↔ Administrations
 ↔ Institutional networks
 ↔ Local NGOs
 ↔ International NGOs
 ↔ Researchers
 ↔ Local managers
 ↔ Public
 ↔ Donors
 ↔ Etc.

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

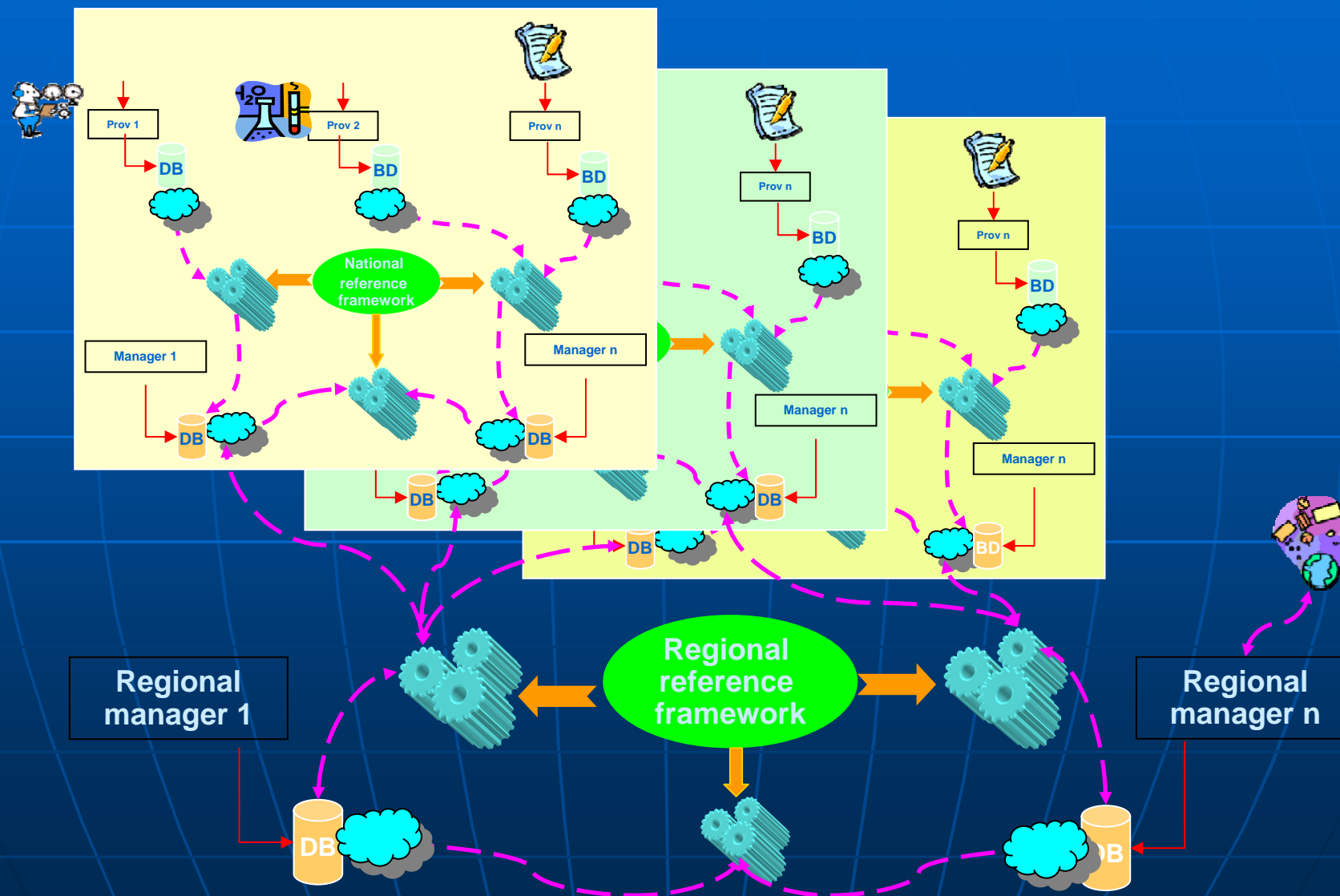
What's next?

- 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

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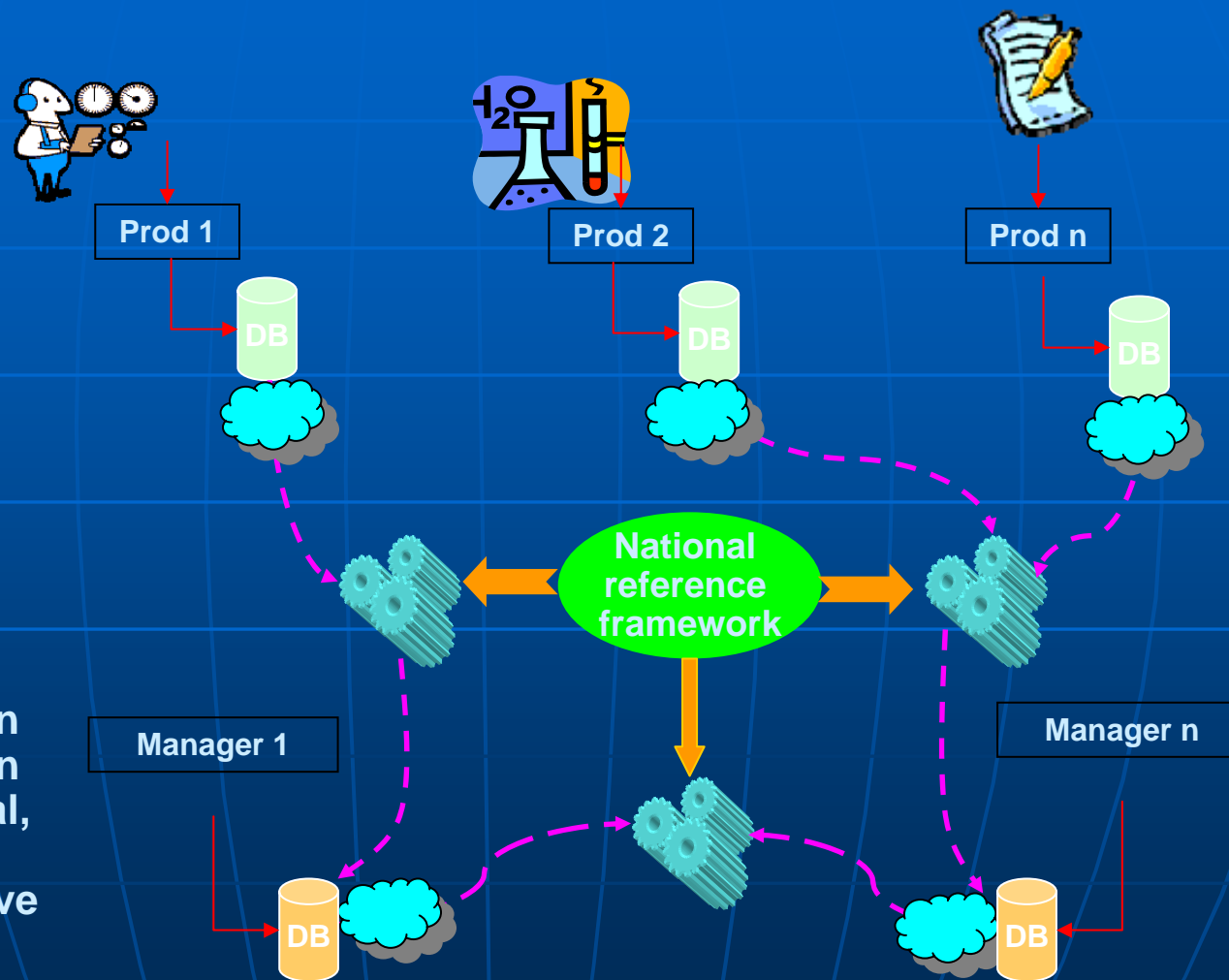
Organising regional exchanges



Organising national exchanges

Initial data
provider

Aggregation
/exploitation
e.g. national,
basin,
administrative
unit level



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)

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 rerources**
 - ❑ 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 miniterial 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 (€)
Regional activities	
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
<i>Sub-total Regional level</i>	<i>1 250 000</i>

Budget overview for national activities

Standard support to national activities (per country for 6 months)

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
<i>Sub-total National level support</i>	<i>125 000</i>

Status

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