



Secretariat of the Union for the Mediterranean  
Secrétariat de l'Union pour la Méditerranée

Regional project  
towards a Water Knowledge Platform

# Presentation to the Mediterranean Water Forum Murcia

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INSTITUT MÉDITERRANÉEN  
DE L'EAU 

OFFICE INTERNATIONAL  
DE L'EAU



SEMIDE  
EMWIS



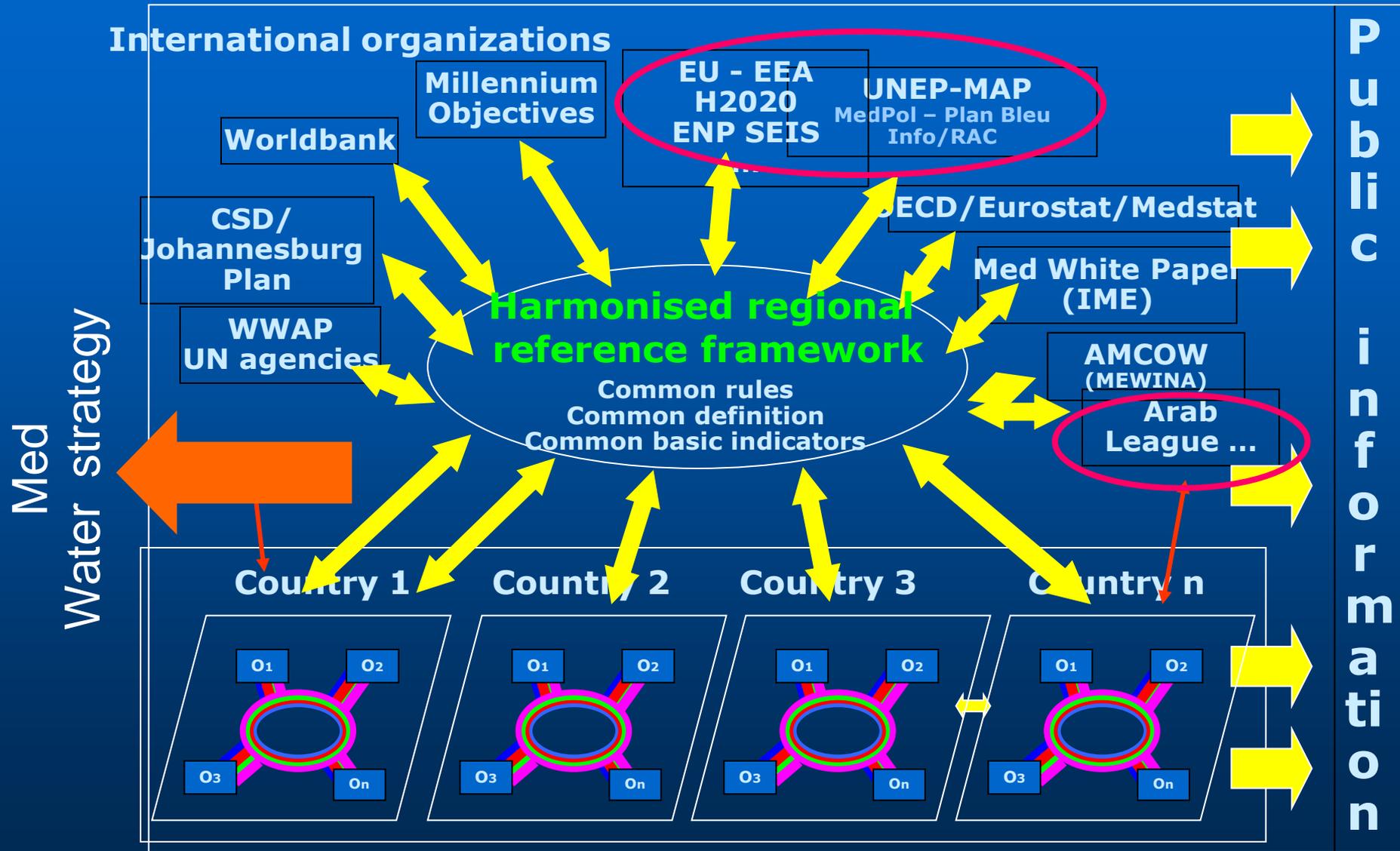
# Background

- **Euro-Mediterranean Ministerial meeting on Environment, Dec. 2006: building integrated National Environmental information Systems**
- **UfM Ministerial declaration on Water, Dec. 2008: strong focus on water information**
- **Mandate of the UfM secretariat to provide a direct response to this Ministerial requests**
- **1st consolidated concept note end 2012 based on National Water Information Systems (NWIS):**
  - **Shared vision with Med countries and regional initiatives: League of Arab States, EEA, UNEP-MAP**
- **Joint proposal with Mediterranean White Paper on Water (MWPW) for UfM labelisation end 2013:**
  - **Ability of harmonised NWIS to provide the foundation for developing a white paper**
  - **Input from the MWPW on data needs for IWRM**

# Vision for the Future: 2016

- 1. Water resources management planners and water regulators find raw or aggregated information they need in a National Water Information System**
- 2. Water actors produce information at local level for their own needs using international standards**
- 3. They use tools to register data and to do their own job at the same time**
- 4. The registered data is available for others via harmonized interfaces, internet technology and homogeneous referencing system**
- 5. The national IS satisfies by the way international reporting obligations and provides factual data for local, national or regional multi-stakeholders dialogue**

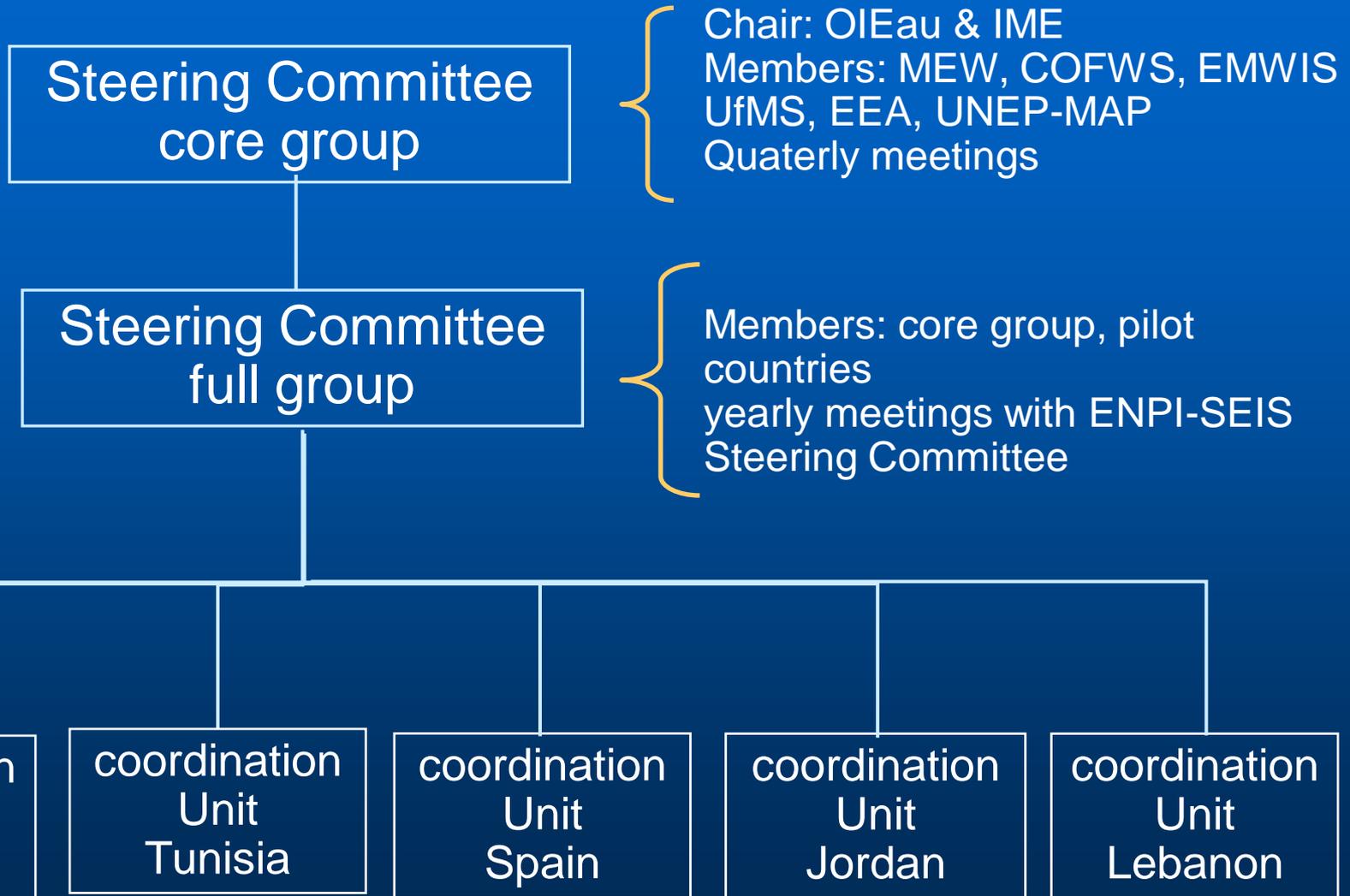
# Overall vision



# Updated project summary

- **OBJECTIVE:** Compiling data, information and statistics on water, based on internationally agreed definitions and methods, for IWRM analysis /decision making.
- **BENEFICIARIES:** 6 pilot countries (Jordan, Lebanon, Monaco, Morocco, Spain, Tunisia) + regional entities EEA, LAS (COFWS), EMWIS, UNEP/MAP.
- **PROMOTER:** OIEau & IME
- **CONTENT: National components:** development of operational Management Information System within 4 Southern countries plus exploiting data for the White Paper in each pilot country (shared among national institutions) + **Four regional components:** harmonized guidelines; increased capacities of south Med countries; data flows for reporting to regional initiatives; White Paper methodology and support.
- **DURATION:** 3 years (2013 – 2016) for a first phase, national components already started in Morocco, Jordan and Tunisia.
- **COST:** 9,52 M€ for a first phase, of which 75% are for national components.
- **PROVISIONAL FINANCIAL PLAN:** mostly grants; 34% Funds already secured in April 2014: Tunisia (SINEAU project, AfWF, GIZ, AFD); Jordan (EC Delegation); Morocco and Lebanon (National budget); 14% self-financing from beneficiaries and consortium.

# Governance



# MedWIS phase 1

<b>R1 Management, regional guidelines, tools and capitalisation</b>	<p>Project engineering and fund raising</p> <p>Technical visits to pilot countries</p> <p>State of play on IWRM indicators</p> <p>Guidelines and tools</p> <p>Coordination with ENPI-SEIS</p> <p>Project governance agreements</p>
<b>R2 Capacity building</b>	<p>Training sessions</p> <p>Awareness seminars</p>
<b>R3 Data flows for international reporting</b>	<p>1st development of database on shared water resources of Arab countries</p> <p>Preparation of data sharing agreements (when necessary)</p>
<b>N1 NWIS Morocco</b>	<p>Definition study &amp; ToR</p> <p>Data sharing agreements; Tendering implementation and training</p>
<b>N2 NWIS Tunisia</b>	<p>Implementation of NWIS 1<sup>st</sup> part</p> <p>Definition of the extension for full IWRM planning (2<sup>nd</sup> part)</p>
<b>N3 NWIS Lebanon</b>	<p>Definition study of Lebanese NWIS &amp; ToR</p> <p>Data sharing agreements; Tendering</p>
<b>N4 NWIS Jordan</b>	<p>Definition study of Jordan NWIS &amp; ToR</p> <p>Tendering &amp; implementation</p>

- Color:
  - Funds pledged or committed
  - Funds partly pledged

# Budget overview phase 1

➤ **Regional components**  
**2 500 000 €**

Component R1 – Regional guidelines, tools, support to pilot countries and capitalization	860 000
Component R2: Capacity Building at regional level	300 000
Component R3: Data flows for international reporting	140 000
Component R4: White Paper on Water	1 200 000

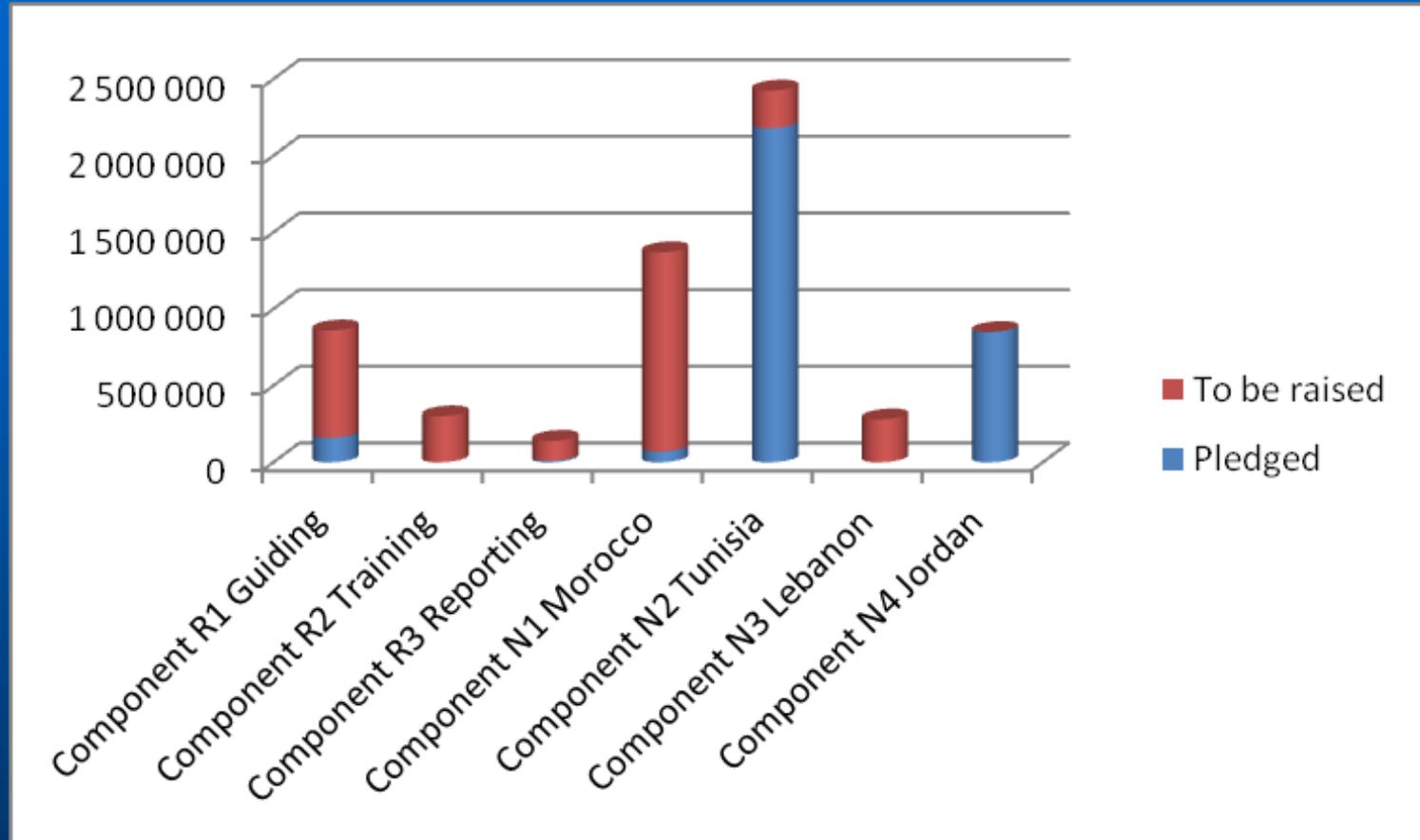
➤ **National components**  
**7 025 000 €**

Component N1 – NWIS & WPW Morocco	2 070 000
Component N2– NWIS & WPW Tunisia	3 125 000
Component N3 – NWIS & WPW Lebanon	980 000
Component N4 – NWIS & WPW Jordan	1 550 000



➤ **Total**  
**9 525 000 €**

# Fund raising status Phase 1



- **Urgent need to start regional activities:**
  - To support national components (e.g. interoperability / harmonisation)
- **To capitalise individual experiences**

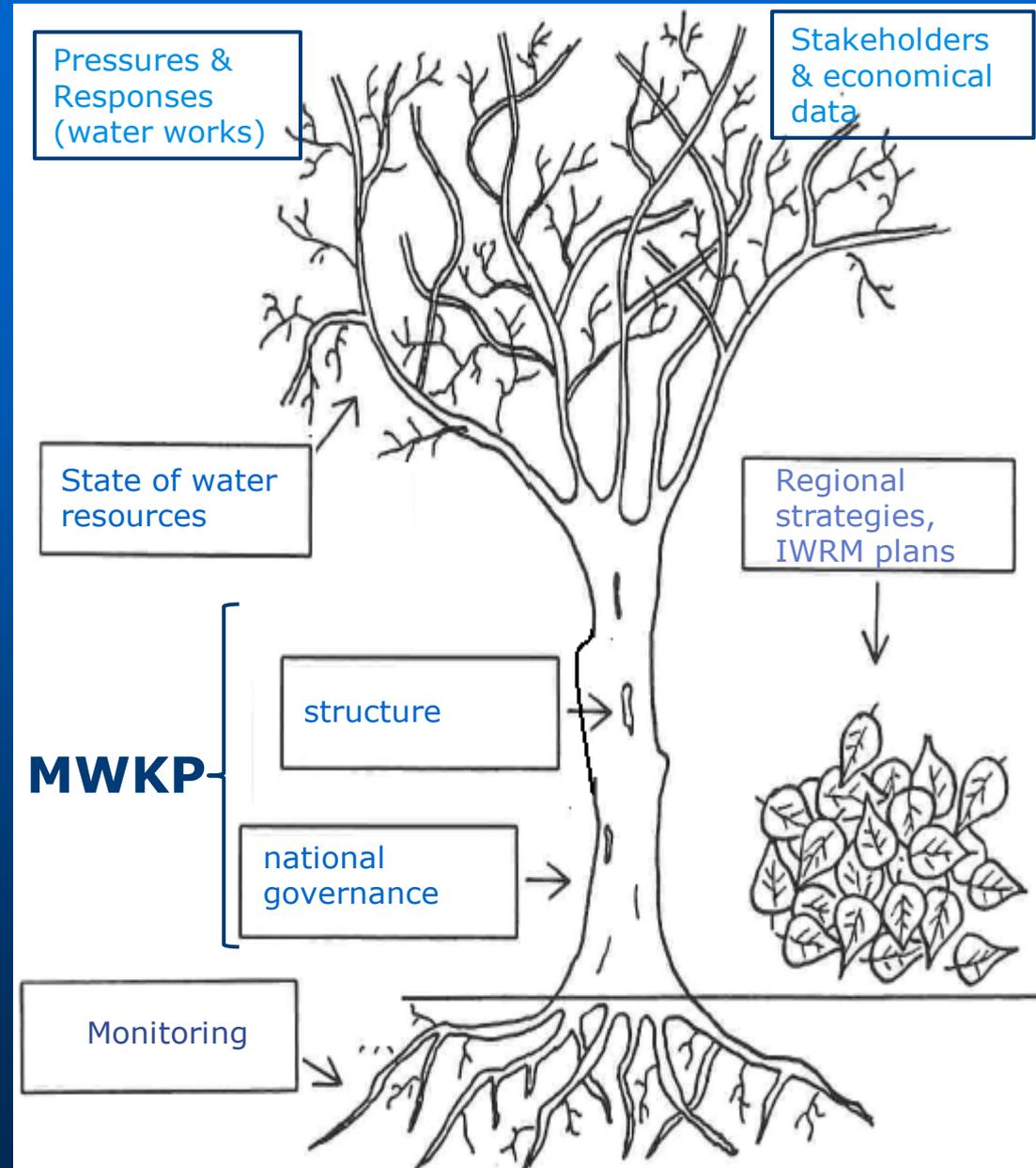
# Financing strategy outline for regional components

- **Focus on grants**
- **Partners co-financing**
  - Fund-raising activities
  - Some coordination activities (e.g. launching NCU)
- **Priority on regional funding programmes**
- **Keeping some flexibility in action plan to comply with donors rules/priorities**

# MWKP: an initiative structuring projects

## BASED ON THE EEA "DSPIR" scope and "MDIAK" CHAIN:

- **ROOTS = MONITORING:** Observation or measurements of data about Drivers, States, Pressures, Impacts & Responses
- **TRUNK = DATA BANKING:** Agreements between producers for collecting and sharing data, referential data, training, IT development & management
- **BRANCHES = INDICATORS & DATA MINING:** "White Paper on Water" (maps, graphs and trends) based on DSPIR data
- **LEAVES = ASSESSMENT & KNOWLEDGE:** regular update of local IWRM plans, international reports, shared information /statistics about water on a voluntary basis



MWKP: mainstreaming of projects rather than ownership

Promoters: conductors and go between rather than performers

**EXAMPLES OF PROJECTS WHICH COME PARTLY OR MAY COME UNDER THE UMBRELLA OF MWKP:**

- **National Water Information Systems:** Jordan, Morocco, Tunisia.
- **Shared Environmental Information Systems (SEIS):** UNEP/MAP & EEA data and indicators on urban or industrial waste waters
- **H2020 components:** capacity building, investment projects data base.
- **International reporting:** LAS (COFWS, CEDARE), EMWIS, UNEP/MAP (Plan Bleu, MedPOL, ...).
- **SWIM II:** indicators on IWRM .
- **OTHER PROJECTS PRODUCING DATA:** strengthening of monitoring networks (AfWF, EC..), equipment of water works (all infrastructure projects), Governance project (OECD / GWP Med), Research programs.

# MWKP: economic consideration

**DATA BANKING and USE = WEAK POINT of "MONITORING towards KNOWLEDGE" CHAIN**

**METHODOLOGY DEFINED by UfM; VALUATION to be improved by EMWIS**

**If monitoring cost=100\$, Information System cost=1- 20\$, and related infrastructure cost= 2 000 – 10 000 \$**

## **1. Cost / benefit analysis:**

- **Data used once cost 100\$; data used 50 times through IS cost 2.2\$**

## **2. Benchmarking analysis:**

- **Questionnaire for technical description and estimated costs of data production, data banking and related water infrastructures on a river basin**
- **Technical and economic benchmark of IS components between Spain, France and pilot countries**
- **Ratios between monitoring, banking and infrastructures at stake**

# MWKP: a UfM labelled initiative

**Thank you  
for your  
attention**

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