



Union pour la Méditerranée
Union for the Mediterranean
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INSTITUT MÉDITERRANÉEN
DE L'EAU **IME**



SEMIDE
EMWIS

Mediterranean Water Knowledge Platform

Summary of day1

& Preliminary Action Plan for the Mediterranean Water Knowledge Platform

SEMIDE
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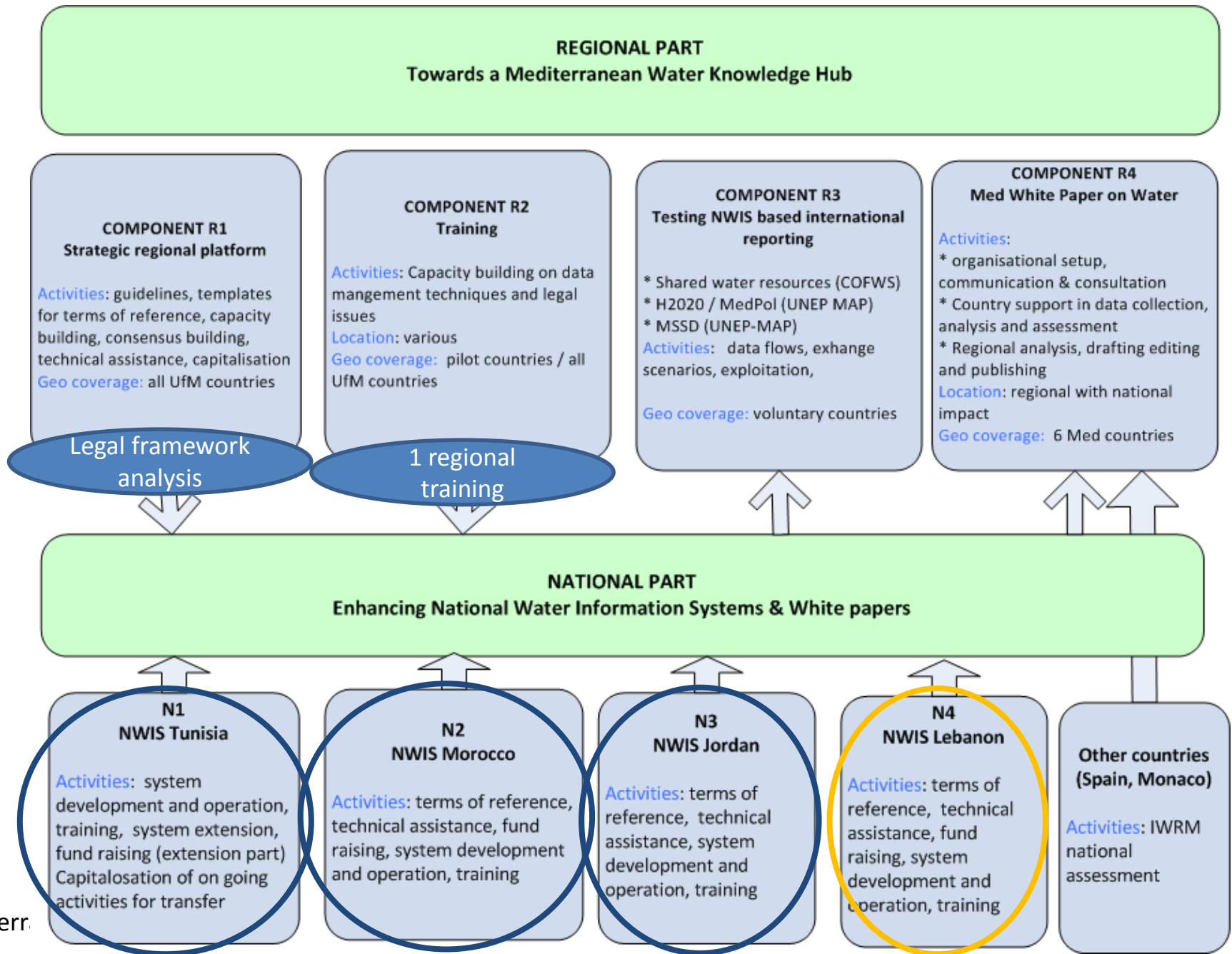
Hashemite Kingdom of Jordan
MINISTRY OF
WATER AND IRRIGATION



Summary of Day 1

- **Progress status**
- **Main challenges**
- **Possible Synergy with on going Mediterranean processes**
- **Financing challenges**
- **Countries experiences**

Status of MWKP



Financing challenge

- **Good water management required reliable data and derived indicators at the right temporal and geographical scales**
- **Water data and information is a transversal high priority for all international and national policy processes**
- **A lot of national efforts dedicated to NWIS developments, valuable results but efficiency to be improved**

But it lacks attractiveness for International Financial Institutions

Countries experience (1/2)

WIS	Morocco	Tunisia	Jordan	Lebanon
Funds	0.5 M€ National	3.3 M€ AWF, National, AFD/WB (loan monitoring network)	2 M€ EC	50 k€ (study) FAO
Status	2014 study 2017 -2018 implementatio n	2004 (1 st study) Implementation 2013-2017 (1st phase)	2015-2020 Under implementation	2010 Definition study ongoing 2017
Challenges	lack of user commitments	Institutional settings for sustainability	sustainability after project	
Data sharing MoU	Protocols not signed But new water law - 2016	Protocol signed in 2010 but over New water law under preparation	Prime Minister decision Agreements under preparation	-

Countries experience (1/2)

WIS	Albania	Egypt	Palestine	Turkey
Funds	Not started Linked to national water policy with targets / indicator	2007 SIDA Not successful (no user engagement)	2010 National+ Unicef, various small projects	2.5 M€ National
Status		in house integration Functional	Functional Continuous improvements	Functional
Challenges		integrating other institutions	staff New law extension	
Data sharing MoU	Prime minister coordination	linked to National water action plan	MoU signed sector / sector Bylaw (utilities)	New water law (not yet approved)

Implementation challenges

- **Governance:**
 - Multidisciplinary governance at national level
 - Sustainable financing of NWIS and contributing systems (thematic systems)
 - Keeping the momentum with the stakeholders during the (long) implementation process
- **Content:**
 - Integrating data management into planning and investment (i.e. defining data priorities based on water priorities)
 - Developing shared information products for decision making
 - Streamlining international reporting
 - Public data access (open data)

➤ **Stronger regional support would be beneficial**

Possible synergy with on going Mediterranean processes

- **5+5 – Strategy and Action Plan & UfM Water Agenda / LAS water action plan**
 - Indicators for monitoring implementation
- **Water SDGs**
 - NWIS should be able to produce SDG6 indicators
- **SWIM-H2020 SM**
 - Developing national awareness raising within national stakeholders forum for both water information and SEIS
- **ENI-SEIS H2020 monitoring**
 - Contribution to operational production of water related indicators
 - Linking SEIS water indicators with national water policies/regulations
 - Ensuring national coordination, interoperability of systems

First concrete actions proposed

Need for demonstrators / case studies of NWIS applications

- *Building ownership, decision makers commitments*
- *Financial institutions support*

- **Review of national water priorities and indicators/targets (when existing)**
 - To be done by countries
- **Review of Mediterranean priorities and indicators (5+5, UfM water agenda, LAS, H2020/SEIS, SDG)**
 - To be done by EMWIS
- **Presentation at the Med Water Forum, Cairo**

Next steps in 2017

Legal framework analysis and recommendations

Inputs required from countries

1st guidance documents

Overall methodology to implement NWIS, incl. lessons from pioneer NWIS implementations

Contribution to a WIS publication for WWF8

Launching a collaborative web portal (Dec. 2017)

Securing funds for 2018-2019

To be considered with related action plan

Legal framework: a must

	Algeria	Lebanon	Jordan	Morocco	Tunisia	France
Water law	2005	2000	1988-2002	2016	1975 rev. 2001 Water code under revision	2006
WIS	5 articles	No	No	2 art.	(1 art.)	1 art.
Coordination	Ministry Thematic approach			ABH + Ministry	Ministry of Agriculture	AFB (ONEMA)
Decrees	2008			To be defined	-	2009 (SNDE) + bylaw 2010 (roles)
Public access to data	To be defined			To be defined	To be defined	Part of the water law

But not sufficient:

An organisational framework

Human and financial resources

Different institutional frameworks

	Algeria	Lebanon	Jordan	Morocco	Tunisia	France
Ministry in charge of water	Water	Water & Energy	Water & irrigation	Infrastructure	Agriculture	Environment, energy, transport, sea
Local water mgt	Basin	Regional	(JVA)	Basin	Regional (Agr.)	Basin

Other stakeholders:

Public entities under water ministry supervision

Water utilities: national, municipal, ...

Other ministries: Agriculture, Health, Environment, Interior, industry

Other institutions: Statistics, Geographical institute

Legal/regulatory frameworks analysis

Short survey

1. Is a water information system mandatory in your national water legislation? If yes, please provide the text
2. Is there a list of datasets that should be included in WIS (incl. geographical information)? Are metadata also included?
3. Are the data producers identified and listed? Is there an institution coordinating NWIS implementation? Which one?
4. Does the NWIS operate as a centralised information system or decentralised each partner has its own system interconnected to the NWIS?
5. Who has access to the WIS?

General public / Public institutions / public water institutions /
Water Ministry services

Priorities for 2018-2019

- **Supporting the development of effective long term governance and financing mechanisms**
 - Developing advocacy on the benefits of NWIS
 - Costs analysis of data management components vs monitoring and infrastructure costs
- **Developing small scale demonstrators “evidence based / data driven” tools for decision making**
- **Organise study visits to enhance exchange of experiences (Turkey and Palestine)**

Action plan

Ensuring regional coordination:

Steering committee meeting back-to-back with SEIS South Steering Committee meetings

Supporting NWIS governance

- Legal framework revision
- Comparative cost analysis
- Developing advocacy / Awareness raising (SWIM-H2020-SM / ENI SEIS South)
- National coordination committee

Service demonstration / case studies for progressive development of NWIS starting with priority decision support tools:

Priority thematic focus and geographical scope for demonstrating NWIS value to be defined by countries

Should be inline with National strategies (e.g. water, climate change)

Of interest for donors / IFIs

Supporting international reporting

Sharing experiences and capacity building:

Developing guidelines from country's experiences

Regional workshops and training sessions

Study visits

Action plan – Focus areas

Examples of priority thematic focus

- Assessment of water infrastructure for water provision: Large storage dams, WWTP (reuse), desalination (brackish and sea water)
- ENI-SEIS / H2020 water indicators
- Some Water SDG targets
- Assessment of ecosystems as Natural Based solutions for IWRM
- Water Energy Food nexus

Examples of geographical coverage

- River Basin Agency Information Systems in Morocco and Algeria
- Enhancing the National Water Information System of Tunisia (SINEAU) with sub-components related to water mobilization (large dams) and sanitation components and preparing national assessment of water infrastructures.



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