

SWIM and Horizon 2020 Support Mechanism

Working for a Sustainable Mediterranean, Caring for our Future

Fostering Data exchanges for River Basin Management Planning

Presented by:

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Overview of the presentation

Comparison of legal and regulatory frameworks

Some recommendations

Short breakout sessions

Shared Information Systems pillars: SEIS

1. Shared (institutional cooperation)

Political commitment (law/MoU)

Partnership (win-win)

Networking

Policy Framework Agreement



2. Information (content)

Horizontal integration (themes)

Vertical integration (local to global)

Online access (near real time when necessary)

Different target users (data collected once)

Common language



Agreements on procedures

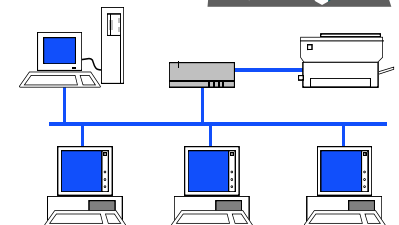


3. System (infrastructure)

Existing ICT infrastructures

INSPIRE, Earth Observation, Internet of things, ...

New e-Services (e-Government)



System development

Legal framework: a must have

	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	<i>(MEW)</i>	<i>(MWI)</i>	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 institutes

Recommendations

- **Dedicated article in the water law**
 - Legal basis of the Water Information System
 - Visibility
 - Enforcement (in particular for data collection)
- **Application decree**
 - Content
 - Organisation, operation, coordination responsibility
- **Additional bylaw**
 - Data exchange formats

Parliament adoption

Council of ministers

One or several ministries

Proposals for water law articles

- **A WIS is created**
 - responsibility of xxx
 - WIS aim at *collecting, archiving, dissemination data on water resources, aquatic ecosystems, uses, water and sanitation services*
 - A decree will define the practical modalities
- **Data sharing**
 - Any water data owner has to provide its data to the water authority periodically or on demand
 - Penalty/fine in case of non provision of data
- **Public access**
 - Data provision to public/private entities/citizens (on demand)
 - Exception for security / business secrecy

Proposals for decree

- **Technical coordination of WIS**
 - responsibility of xxx
 - Role: rules, reference datasets, sub-groups
- **Thematic data organisation/responsibilities**
 - Groundwater, drinking water, sanitation,
- **Data exchange rules**
 - National data master plan (or similar)
 - Mandatory compliance of thematic data systems
 - List of topics to be addressed
 - Provided as technical annex in a bylaw
- **Involvement of local / regional levels**

Evidence Based Policy making

« *in God we trust.*

All others must bring data. »

W. Edwards Deming

Breakout sessions

- *How to convince politicians and decision makers to set-up and enforce water data exchange and management agreements?*
- **30 mins group discussions:**
 - Politicians motivations,
 - who are they listening to/can influence them?
 - Are they aware of data challenges?
 - Do they use / require data/indicators ...?
 - Examples of political initiatives to improve water information management
- **Feedback: 15 mins by rapporteurs in plenary**

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Thank you for your attention.

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