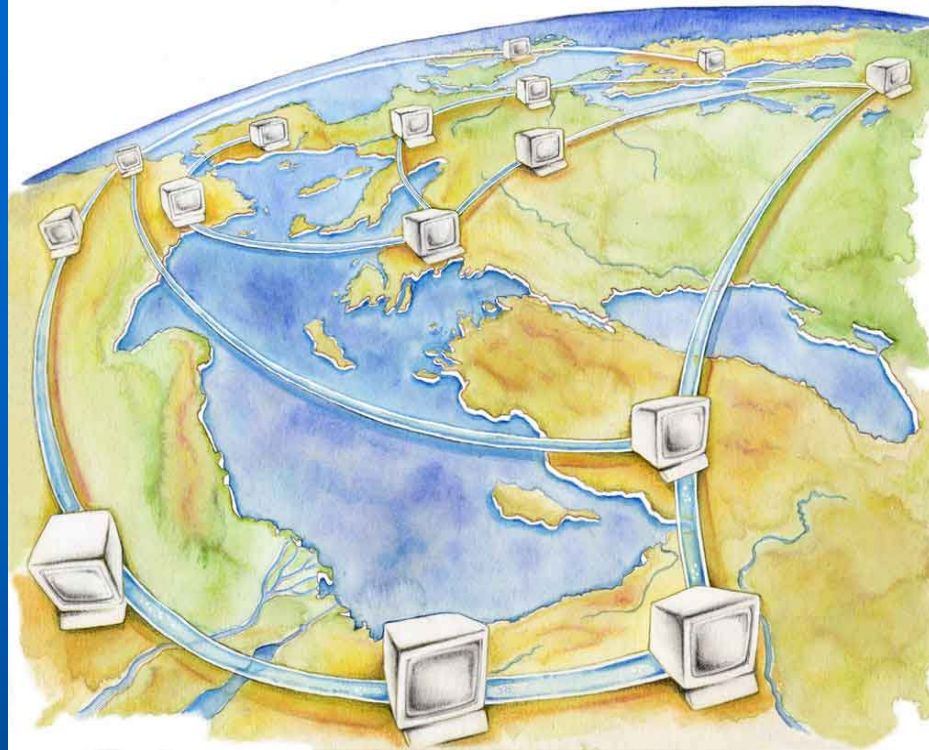


**SEMIDE
EMWIS**

SEMIDE

www.semide.net

**Système Euro-
Méditerranéen
d'information sur les
savoir-faire dans le
domaine de l'Eau**



EMWIS

www.emwis.net

**Euro-Mediterranean
Information System
on know how in the
water sector**

**النظام المعلوماتي الأورو متوسطي
للمعرفة في مجال المياه**

**Developing harmonized national water
information systems in the Mediterranean**

Round table discussion

Eric MINO



DG ENV

EURO-MEDITERRANEAN PARTNERSHIP





Discussion outline

- Data availability and use/needs => data flows
- Existing and planned information systems
- Legal framework
- International obligations
- Potential synergies with existing/planned projects

1st Overview of data providers / users



	MWRI	HCWW	EEAA	MALR	MoH	CAPMAS	NWRC	Meteo	MoI	MoE
Surface water quantity	P					U				
groundwater quantity	P					U				
Water use	U	P		P		U				
water abstraction	P	U				U				
Climatology & rainfall	U						P	P		
Evaporation /evapotranspiration	P			P			P			
Efluent quantities (UWWTP)	U	U	U			U			P	
Desalination	P					U				
Surface water quality	P		P		P					
Groundwater quality	P		P		p					
Efluent quality			P		P				P	
Land cover / use	P			p						
Population / industry / urban areas	U		P			P			P	
Irrigation / crops paterns	P			P						
Hydro network*	P		U	U	U					P
Economic data, excl. Water sector	U			P		P			P	
Economic data water sector	P	p				U				
Grey literature	P						P			

*: (springs, dams, rivers, aquifers, wells, etc.)

provider

user



Legal framework

- **Interministerial coordination / strategic guidance for setting up NWIS**
 - National Water Council?
- **Dissemination of water / environmental information**
 - Restrictive law?
 - Specific obligation in terms of public information?
 - Information as a public good?



International obligations

EIONE I
Reporting Obligations Database (ROD)

- Home
- Country deadlines
- Obligations
- Clients
- Subscribe
- Help
- Legal instruments
- Priority dataflows
- Database statistics
- Advanced search

Reporting obligations : Egypt [Water]

Show reporting obligations

Country	Egypt	<input type="button" value="GO"/>
Issue	Water	
Organisation	Any organisation	

Include terminated obligations

8 items found, displaying all items. 1

Reporting obligation	Legislative instrument	Report to	Deadline
Agenda 21 National Report	Agenda 21	CSD	2011-06-01
Biennial general report, and report on the implementation of the Convention for the Protection of the Mediterranean Environment and the Coastal Region of the Mediterranean	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	2011-12-31
National Report on the technical implementation of the Dumping Protocol: Report on the disposal of wastes or other matter in terms of Articles 4, 5, 6, 8 and 9.	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	2011-12-31
National Report on the technical implementation of the Hazardous Wastes Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	2011-12-31
National Report on the technical implementation of the Land-based Sources Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	2011-12-31
National Report on the technical implementation of the Offshore Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	2011-12-31
National Report on the technical implementation of the Prevention and Emergency Protocol.	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	2011-12-31
National Report on the technical implementation of the SPA & Biodiversity Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	2011-12-31



Reviewing the status of existing systems

- Central Agency for Public Mobilization And Statistics
- Ministry of Agriculture and Land Reclamation
- Egyptian Environment Affairs Agency (Ministry of the Environment)
- Holding Company for Water and Wastewater (Ministry of Housing, Utilities and Urban Development)
- Ministry of Health
- Ministry of Water Resources and Irrigation
-



Potential synergies with existing or planned projects

- EU twinning project on Water Quality Management
- National Water Resources Plan



Data sets on Hydrological environment

- ❑ **Hydrological networks (e.g. rivers, watersheds, lake, aquifers)**
- ❑ **Water management areas (e.g. drinking water protected areas, administrative management units, flood risk areas)**



Data sets on external references

- National, regional, local boundaries
- Population
- Public hydraulic domain
- Soil cartography
- Digital elevation model
- Land cover
- Land use
- Industry classification



Data sets on water availability

- Rainfall
- Surface water (rivers, dams, spings)
- Ground water
- Desalinated water
- Returned used water



Data sets on fresh water abstraction

- From surface water (for each type of use)
- From groundwater (for each type of use)
- Evaporation losses



Data sets on water use / needs

- **Fresh water supplied for**
 - Domestic
 - Industry
 - Services (Tourism)
 - Agriculture
 - Environment
- **Self supply**
- **Recycled water**
- **Desalinated water**



Data sets on water quality

(physical, chemical and/or biological)

- Surface water
- Ground water
- Industrial effluents
- Waste water treatment plants effluents
- Drinking water supply
- Wetlands
- Bathing waters



Pressures

- Urban agglomerations
- Discharge points
- Treatment plants
- Irrigation systems
- Dams
- Hydroelectric plants
- Industrial activities
- Farming