

SEMIDE
EMWIS

SEMIDE

<http://www.semide.org>

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



النظام الأوروبي- متوسطي للإعلام
حول المعرفة في ميدان المياه

Eric Mino

EMWIS Technical Unit
Unité Technique du SEMIDE

EURO-MEDITERRANEAN PARTNERSHIP



EMWIS

<http://www.emwis.org>

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

MEDA Water





The Euro-Med Partnership in the water sector

Barcelone'95	Euro-Mediterranean conference of Foreign Affairs Ministers <i>Creation of the Euro-Mediterranean partnership</i>
Marseille'96	Euro-Mediterranean Ministerial conference on water management <i>EMWIS creation</i>
Helsinki'97	Euro-Mediterranean Ministerial Conference on the environment <i>EMWIS taken into account</i>
Naples'97	Euro-Mediterranean conference of the 27 Water General Directors <i>Approval of EMWIS</i>
Turin'99	Euro-Mediterranean Ministerial conference on local water management <i>Approval of the Action Plan for the MEDA Water call for proposals</i> <i>Strengthening of EMWIS</i>
Madrid'01	Euro-Mediterranean conference of the Water Directors <i>Approval of EMWIS Strategic Plan for Phase II</i>
Rome'05	Euro-Mediterranean conference of the Water Directors <i>Approval of EMWIS Strategic Plan for 10 years</i>
Athens 6-7 Nov'06	Euro-Mediterranean conference of the Water Directors



OBJECTIVES OF EMWIS

To create a tool for cooperation between the European and Mediterranean countries whose aim is to:

- **Facilitate access to the existing information** on know-how;
- **Develop the sharing of information** to enable anyone to make known his activities, his topics of interest ...;
- **Create common products and cooperation programmes** to develop available information and to promote the collection of the lacking information.

In the water sector



EMWIS: Reference Public Service

For sharing and disseminating inland water knowledge

EMWIS Focal Points

**Scientific
and Technical**

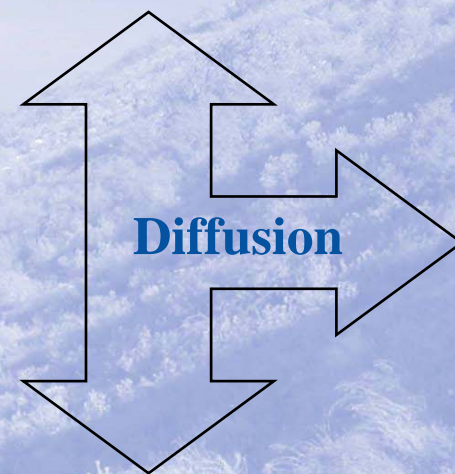
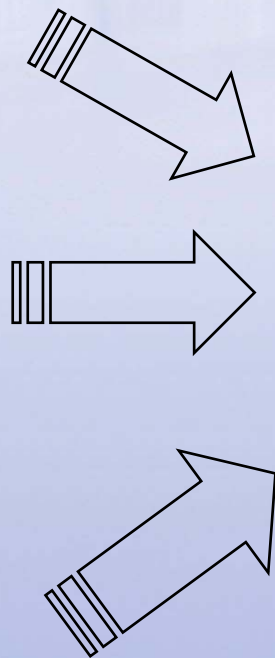
**Economical
And social**

**Knowledge
sharing**

Political

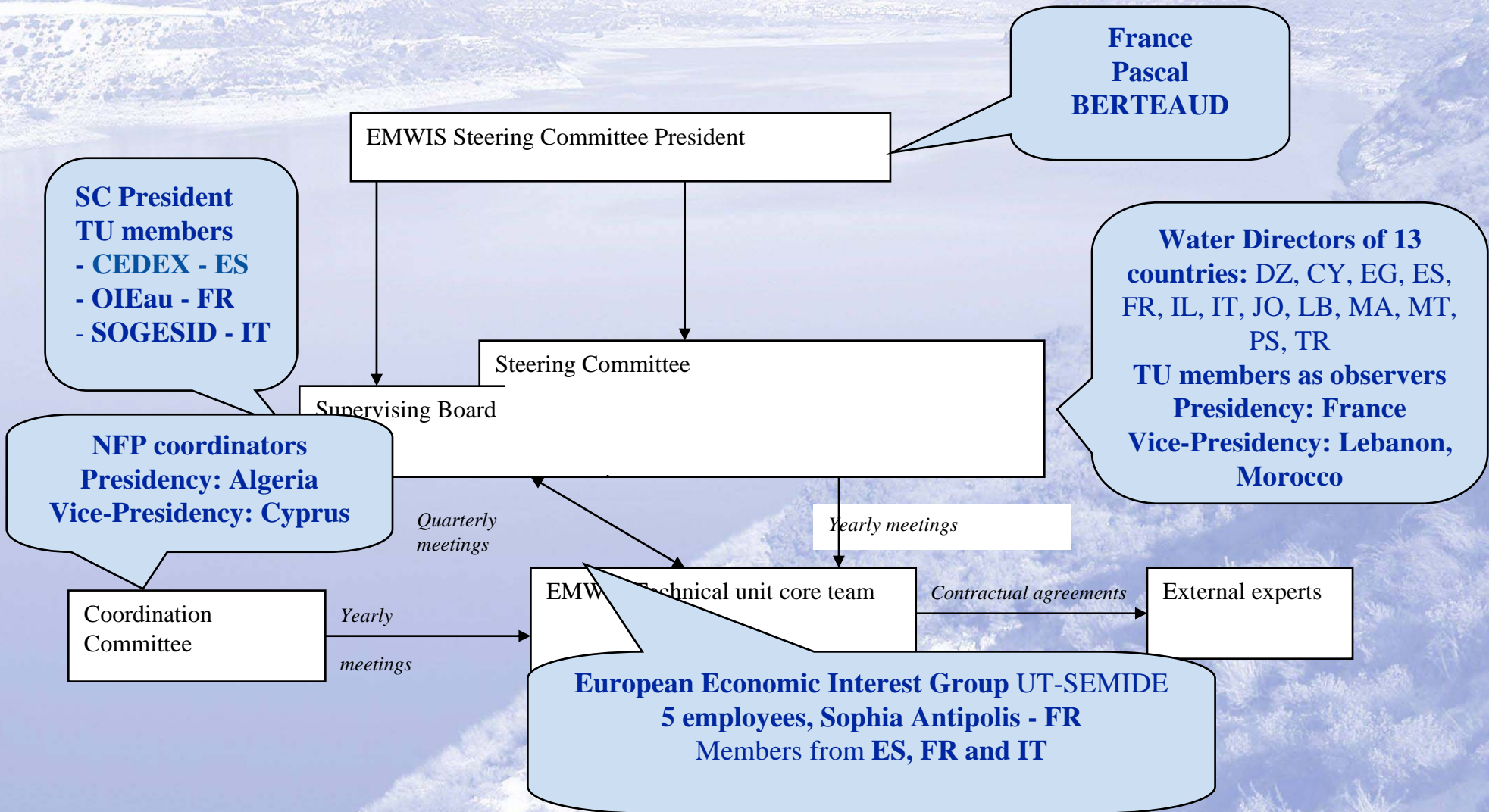
Diffusion

**I
n
f
o
r
m
a
t
i
o
n**





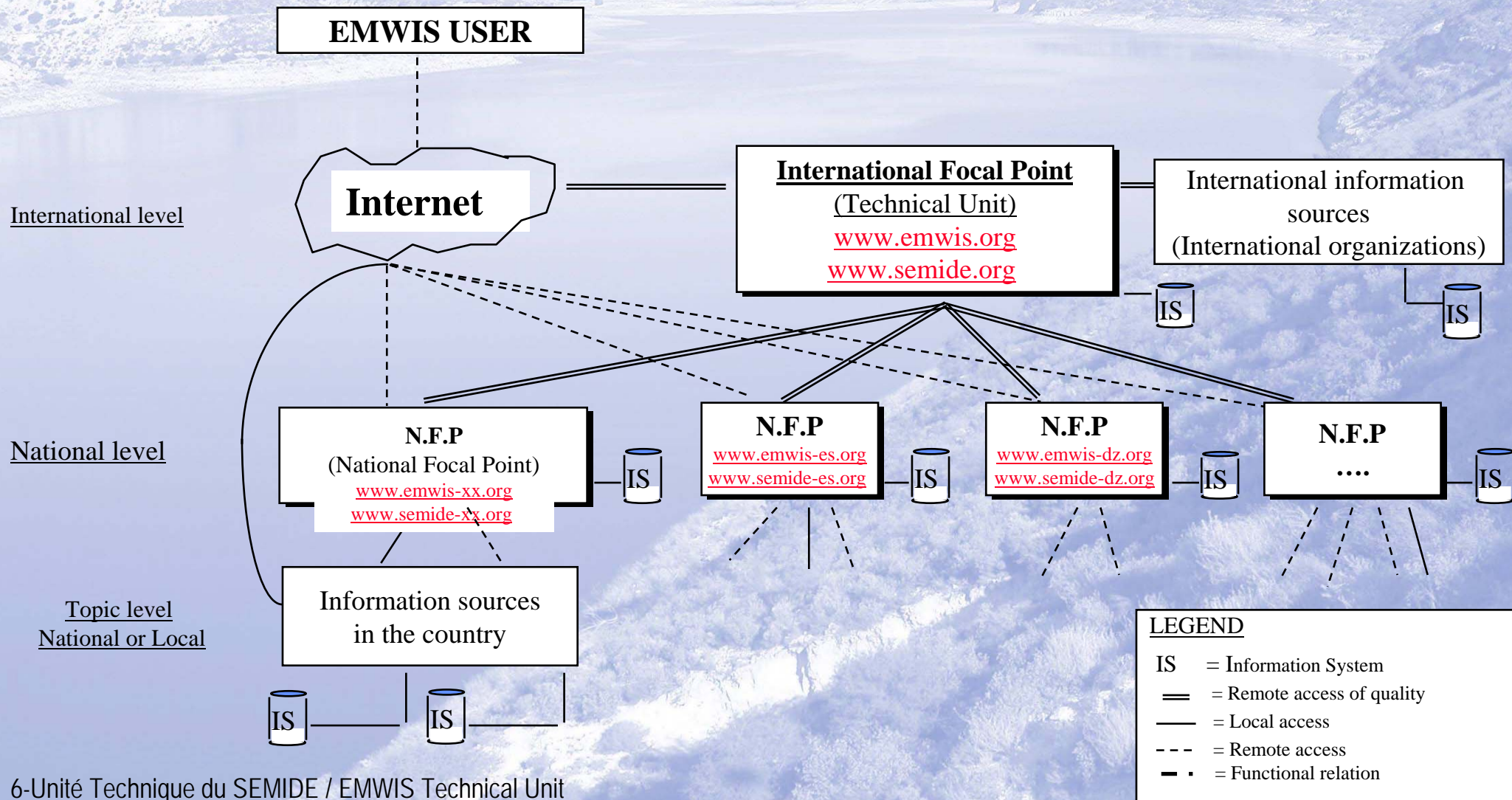
Organisational structure





EMWIS Architecture

Role of EMWIS Technical Unit





Principle of subsidiarity

<p>European Commission and Technical Unit Countries (contractual budget) France, Italy and Spain</p>	<ul style="list-style-type: none">➤ Participation costs of non EU representatives to meetings➤ Technical assistance and training costs➤ Organization of seminars, conferences and meetings➤ Investments and running costs of the Technical Unit➤ International Focal Point➤ Specific support to NFP for international activities
<p>Countries of the Euro-Med Partnership</p>	<ul style="list-style-type: none">➤ Investments and running costs of their National Focal Point

The National Focal Points

➤ European Union: 25 countries

10 NFP created and 7 active websites

Austria, Belgium, Cyprus, France, Greece, Italy,
Luxembourg, Malta, Portugal, Spain

➤ Mediterranean partners: 10 countries

10 NFP created and 8 active websites

Algeria, Egypt, Israel, Jordan, Lebanon, Morocco,
Palestine, Syria, Tunisia, Turkey



Main benefits for the member countries

- **Facilitating exchange of information and synergy between national institutions**
- **Improving access to stakeholders (« who does what »)**
- **Taking benefits of new information and communication technologies**
- **Exchange of experiences and good practices with other Mediterranean countries**
- **Water portal of reference for the country**
- **A node of the Euro-Med system**

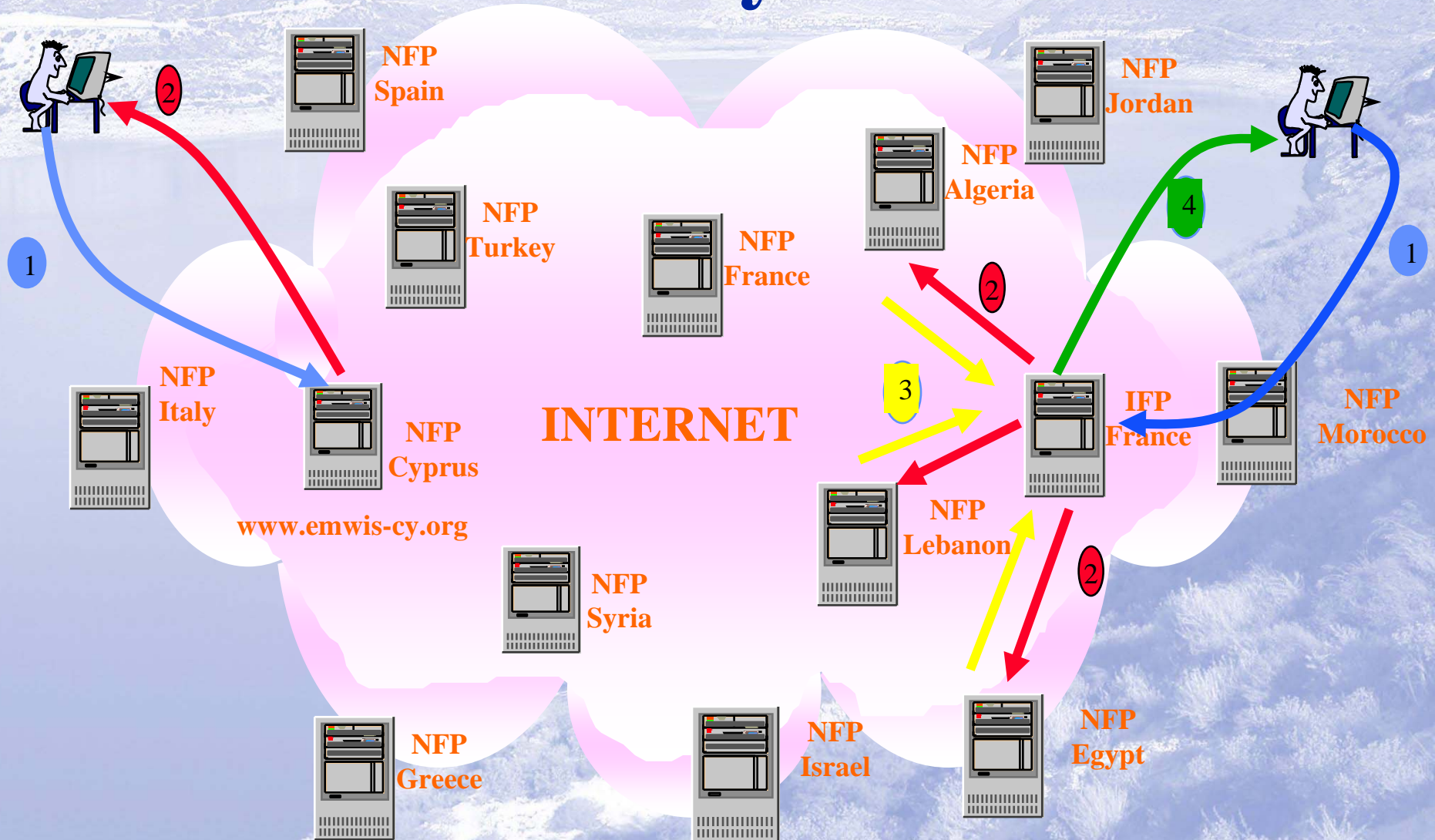


Services offered

- **Thematic water directory: « who does what » per topic and per country**
- **Common themes to all the Countries:**
 - Institutional water structure in each country
 - International and national water legislation
 - Education and training
 - Research and Development
 - Documentation
 - Data management
- **Information search tools through all National websites**
- **Clearing house for EU programs and initiatives**
- **Monthly eNews Flash in Arabic, English and French**
- **Thematic forums/folders**
 - Ground water, Water glossaries, satellite images, etc.
- **Database of water projects**
- **Water news and events in the region**
- **Other services developed by the National Focal Points**



The system at work





Current activities

- **Capacity building for NFP**
- **Regional water information portal**
- **Analysis of National Water Information Systems**
- **Definition of common metadata**
- **Setting up a new technical platform based on the open source content management system used by the European Environment Agency**
- **Multilingual water thesaurus and glossary**
- **Thematic studies:**
 - **EU Water Framework Directive**
 - **Use of non-conventional water resources**
 - **Irrigation water management**
 - **Local water services**
- **Information clearing house on EU regional water initiatives**
- **Collaboration with international initiatives in the field of water information**

Euro-Mediterranean regional water programme for local water management



Based on the Turin Action Plan, Oct. 1999

➤ **Budget: 32,6 M€** **2002-2007**

➤ **Areas of Action**

- **I. Integrated management of local drinking water supply, sanitation and sewage**
- **II. Local water resources and water demand management**
- **III. Prevention and mitigation of the negative effects of drought and equitable management of water scarcity**
- **IV. Irrigation water management**
- **V. Use of non-conventional water resources**
- **VI. Preparation of national and local scenarios until 2025**

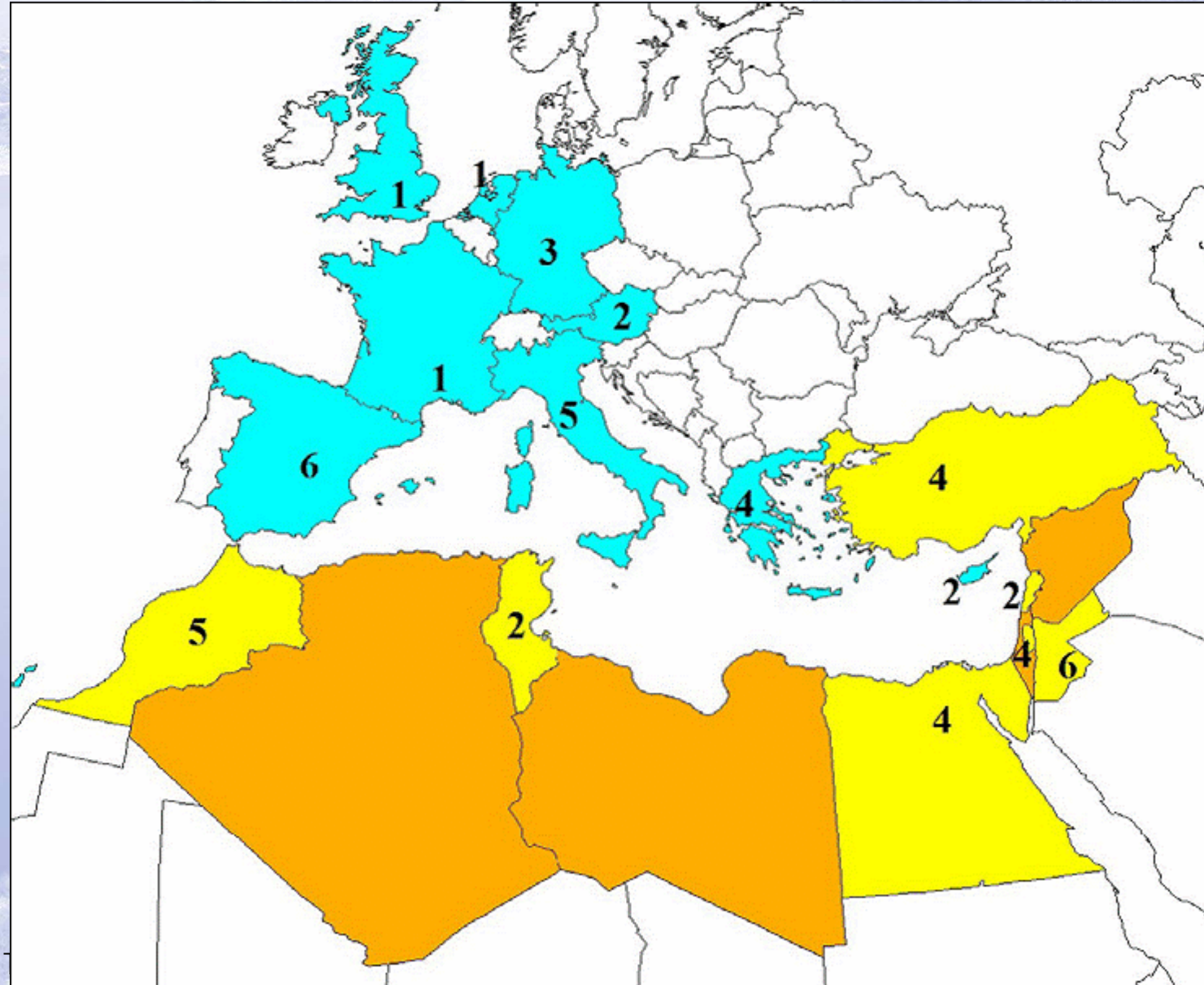
➤ **Horizontal Themes**

- **A. Strengthening institutional capacities and training**
- **B. Exchange of information and know-how**
- **C. Transfer of know-how and technology**
- **D. Awareness raising, mobilisation of commitment of the population**



MEDA-Water projects

- 9 regional projects (2003-2007)
- Monitoring and support Unit





Value of Water Framework Directive for Med Partner Countries

Rank	Topic within WFD
1	Monitoring programmes
2	Characterisation of basins
3	Programme of measures
4	Environmental objectives and Water Ecological Status
5	River Basin Management Plan
6	Economic analysis and water prices
7	Public participation



Initiatives & Projects

- EU-MEDA-Water
- MED-EUWI
- EU-WFD
- EU-INCO-MED
- EU-LIFE
- EU-MEDSTAT-ENV
- EU-SMAP
- EXACT
- UNEP-MAP
- Project database**



Project database

Search projects

Query
Programme
Organisation

Theme
Country

Languages: English French Arabic

Search results

Starting date	Title	Countries	Programme	Link
01/06/2006	Support Program with the Sector of the Water Resources	Algeria	MEDA-NIPs	-
21/09/2005	Autonomous Desalination Units based on Renewable Energy Systems	Algeria, Egypt, Greece, Italy, Jordan, Lebanon, Morocco, Palestine, Spain, Tunisia	INCO MED (FP6)	[link]
22/12/2001	Implementation of a photovoltaic water pumping programme in Mediterranean countries.	Algeria, Morocco, Tunisia	SMAP	[link]
01/05/2003	Inventory, analysis and valorization of traditional water techniques of European and Saharan drainage tunnels	Italy, Morocco, Algeria, Tunisia, Spain	INCO MED (FP5)	[link]
01/01/2003	Mapping adaptation of barley to drought environments	Morocco, Jordan, Italy, France, Algeria, Spain, Turkey, Syria	INCO MED (FP5)	[link]
01/10/2002	Mediterranean co-ordination and dissemination of land conservation management to combat land degradation for the sustainable use of natural resources in the Mediterranean coastal zone	Belgium, France, Italy, Algeria, Egypt, Jordan, Lebanon, Malta, Morocco, Palestine, Spain, Syria, Tunisia, Turkey	INCO MED (FP5)	[link]
01/10/2002	Mediterranean network on wastewater reclamation and reuse	Spain, Palestine, Morocco, Algeria, Israel, France, Italy	INCO MED (FP5)	[link]
01/06/2002	Mediterranean Renewable Energy Programme	Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestine, Syria, Tunisia, Turkey	International program	[link]

Portal thesaurus - Microsoft Internet Explorer

File Edit View Favorites Tools Help

you are not logged in

Home | Login | Thesaurus | Agenda | Other searches | Sitemap | Administration

SEMIDE
EMWIS

SEMIDE Prototype
Système Euro-Méditerranéen d'Information sur les savoir-faire dans le Domaine de l'Eau

About | Countries | Introduction | Partners | Initiatives & Projects | Resources | PFN | Multimedia (Photos) | Publications | Documents

French

Countries

Home » Portal thesaurus

Search

Portal thesaurus

Thematic listings | **Alphabetic listings** | Hierarchical listings

aquifère

Definition: Formation perméable contenant de l'eau en quantités exploitables.
Definition sources: n/a

Preferred label: aquifère
Sources: n/a

Alternative label: gite aquifere

Theme:
[HYDROGEOLOGIE](#)

Broader terms:
[hydrogéologie](#)

Narrower terms:
[barrage souterrain](#)
[karst](#)
[nappe alluviale](#)

Related terms:
[caractéristique hydrodynamique](#)
[masse d'eau souterraine](#)

Scope Note: n/a

Translations

Arabic: طبقة حاملة للمياه أو خزان جوفي
English: aquifer
French: aquifère

MEDA Water
EUROPEAID
CO-OPERATION OFFICE

Internet



Strategy 2015

6 main objectives

Strengthening EMWIS National Focal Points
in all the Mediterranean Countries

Supporting National Water Information Systems
Creating EMWIS NFP in Libya and Balkan countries

Asserting EMWIS as the reference information
media for inland water for the
Mediterranean Region

Maintaining quality and up to date information
Opening the system to the civil society

Becoming a node of a Global Water
Information System

Promoting standards information formats and protocols
Collaborating with international and regional initiatives

Providing a water observation mechanism based
on national water information systems

Responding to National strategies
Exploiting synergies with regional programs

Valorising transfers of know-how,
focus on concrete local results

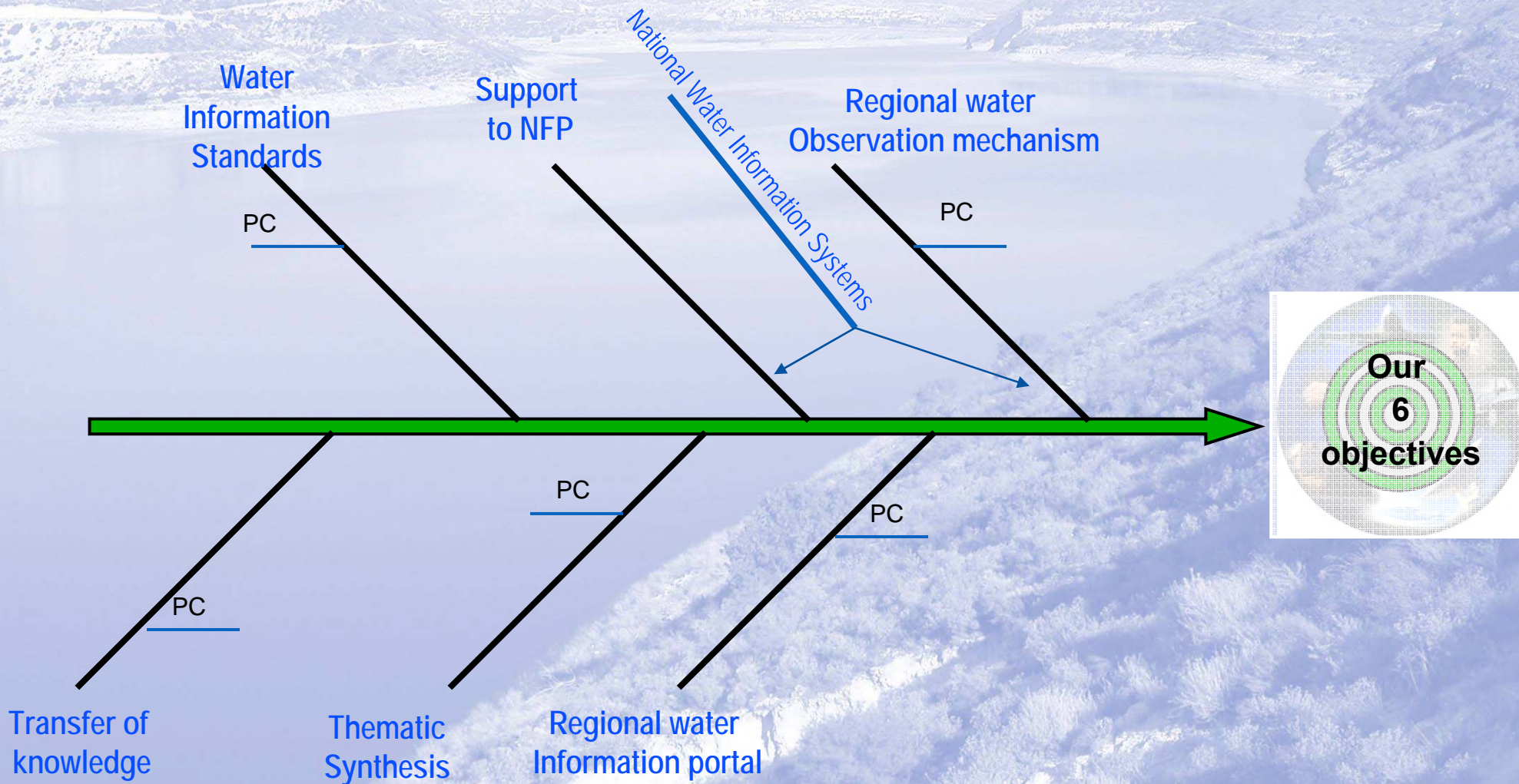
Transferring knowledge, good practices
Assessment of local implementations

Developing an advisory network of institutional
decision makers in the water sector

Providing guidance to regional programs



Action Plan 2007-2010



PC: Program Collaboration



Conclusions

- **EMWIS reflects a real need and a strong demand of all the partners**
 - commitment in EMWIS approach
 - willingness to build National Water Information Systems
- **A powerful tool supporting the implementation of sustainable development policies in the field of water management**
 - Giving access to knowledge in the institutional, technical, and know-how fields
- **The building blocks are now available but EMWIS is a long term process**
- **EMWIS provides an institutional network suitable to transfer results from innovative initiatives into the national water structures. Four priorities defined:**
 - Participative approaches
 - Prevention and risk management related to the extreme phenomena: water scarcity and floods
 - Non conventional water resources with two sub-topics: the desalination and the re-use of waste water
 - local management of sanitation services and the prevention of domestic pollution