

SEMIDE
EMWIS

SEMIDE

<http://www.semide.org>

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



النظام المعلوماتي
الأورومتوسطي للمعرفة
في مجال المياه

EMWIS

<http://www.emwis.org>

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

Review of EMWIS NFP developments

MEDA Water



Dr. Jauad El Kharraz
EMWIS Technical Unit
France



National Focal Points

➤ **37 partner countries**

➤ **20 NFP nominated**

➤ **16 national web sites** → www.emwis-xx.org :

Algeria, France, Cyprus, Egypt, Italy, Greece, Jordan, Lebanon, Malta, Morocco, Palestine, Israel, Portugal, Spain, Tunisia and Turkey

Each National Focal Point is composed of a small team within a public or parapublic organization in charge of gathering and disseminating documentation and information relating to the water sector in each country.

National Focal Points

AT	Ministry for Agriculture, Forestry, Environment and Water Management	JO	Ministry of Water and Irrigation
BE	Aminal - Afdeling Europa en Milieu	LB	Ministère de l'Eau et de l'Energie
CY	Water Development Department - Ministry for Agriculture	LU	Ministère de l'Environnement
DZ	Agence de bassin Constantinois-Seybousse-Mellegue	MA	Ministère de l'Aménagement du Territoire, de l'Eau et de l'environnement
ES	Centro de Estudios y Experimentacion de Obras Publicas (CEDEX)	MT	Malta Resources Authority
EG	Ministry of Water Resources and Irrigation (Main Information Center)	PS	Palestinian Water Authority
FR	Service National d'Information et de Documentation sur l'Eau (SNIDE)	PT	Instituto de Agua (INAG)
GR	Ministry of Environment	SY	Ministry of Irrigation
IL	Hydrological Service of Israel	TN	Ministère de l'Agriculture – BIRH - Direction Générale des Ressources en Eau
IT	SOGESID	TR	General Directorate of State Hydraulic

The role of National Focal Points

- Implementation and management of the national water information server as an EMWIS node
- Information collection and implementation of the thematic directory
- Agreements with information sources managers for access through EMWIS
- Development of common access to these information sources

National Focal Points Mandate

- Participating in meetings organized by the Coordination Committee
- Making an inventory and approving the sources of available information
- Organizing the procedures of communication and access to approved information in the country
- Ensuring that the protocols of access to information are translated and available in the working EMWIS languages (English and French).
- Developing, whenever necessary, the tools and interface software which permit access to information
- Ensuring relations with country's users
- Contributing to the elaboration of the annual workprogramme of the Technical Unit.

International Focal Point

- The EMWIS Technical Unit also acts as a Focal Point at an international level.

EMWIS SERVICES:

- Thematic water directory: « who does what » per topic and per country
- Daily update of water news and events in the Euromed region
- Documentary database: allows search of documents (reports, books, proceedings, etc) in the whole portal
- Projects database: (MEDA-NIPs, MEDA-Water, LIFE, SMAP, INCO-MED, FP4-FP7, INTERREG, etc)
- EMWIS Multilingual Water Thesaurus
- International water initiatives: MedWIP, MEDA Water, MED-EUWI, EU-WFD, EU Research Framework Programmes (FP4-FP7), LIFE, SMAP, UNEP-MAP: MSSD, MEDSTAT, EXACT
- Monthly electronic Flash (newsletter)

International Focal Point

You are logged in as **jauad** [logout](#)

[Home](#) | [e-Flash](#) | [My portal](#) | [Contact](#) | [Forum](#) | [Crawler](#) | [FAQ](#) | [Thesaurus](#) | [Agenda](#) | [Sitemap](#) | [Administration](#)



Euro-Mediterranean Information System on the know-how in the Water sector
International portal



[About EMWIS](#) | [Countries](#) | [Partners](#) | [Initiatives & Projects](#) | [Resources](#) | [Documentation](#) | [Topics](#) | [Who Does What](#) | [NFP Private Area](#)

English ▾

EMWIS meetings ▾

[Home](#)

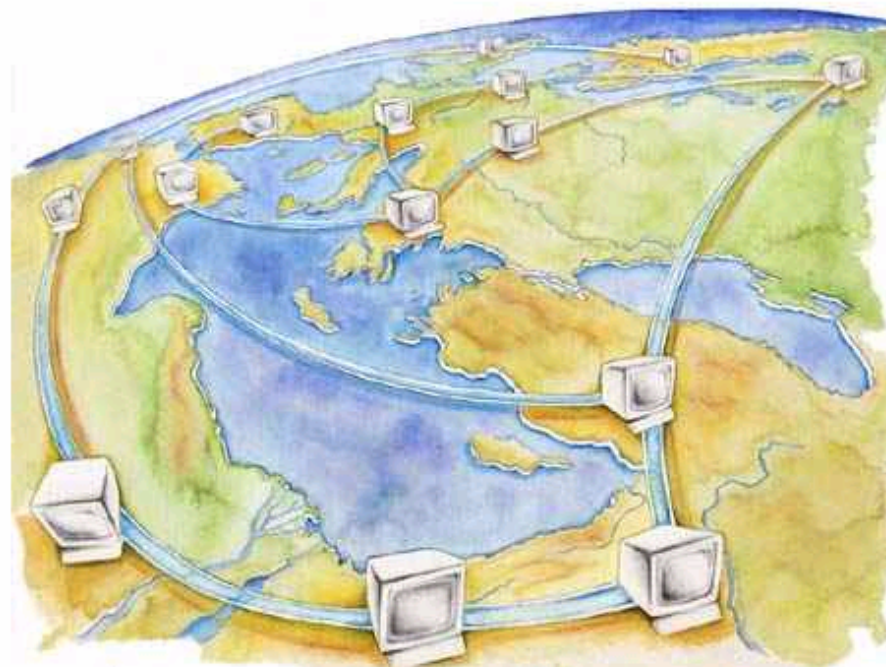
Search

- [About EMWIS](#) ▾
- [Countries](#) ▾
- [Partners](#) ▾
- [Initiatives & Projects](#) ▾
- [Resources](#) ▾
- [Documentation](#) ▾
- [Topics](#) ▾
- [Who does what](#) ▾
- [NFP Private Area](#) ▾



EMWIS Flash N°46, April 2007

*** [EMWIS old website](#) ***



1ST MEDA-WATER PARTNERS CONFERENCE



EVENTS CALENDAR

May 2007						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

UPCOMING EVENTS

[XML](#)

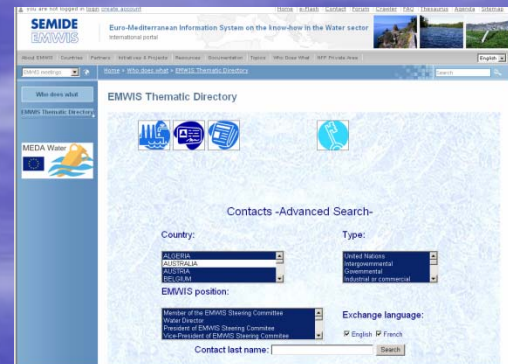
[MELIA 1st Workshop: "Water culture and water conflict in the Mediterranean Area"](#)

Latest uploads [XML](#)

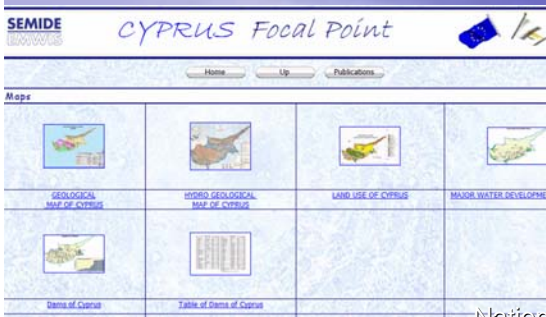
« L'état de l'eau en France » : Les conséquences d'une exploitation irraisonnée [posted on: ...]

Online services provided

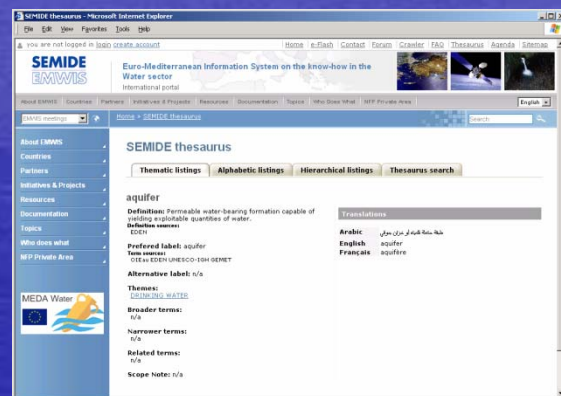
« who does what »



National portals

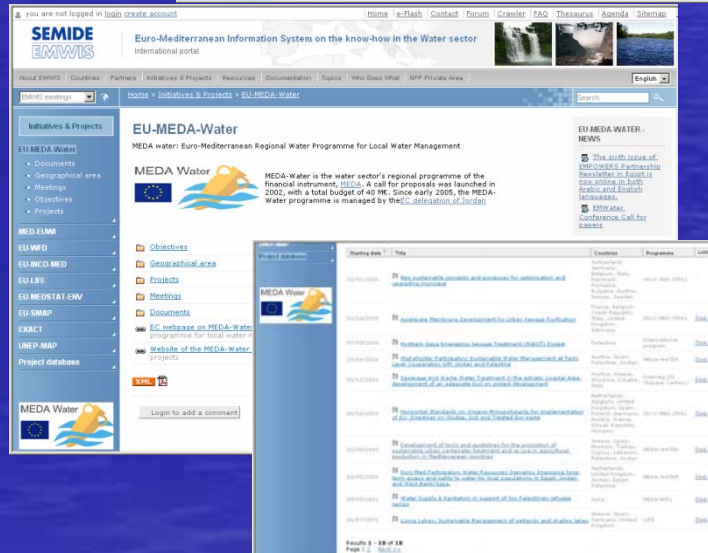


Common taxonomy (multilingual thesaurus)



Clearing house for EU programs and initiatives

Regional water projects database



Thematic forums/folders

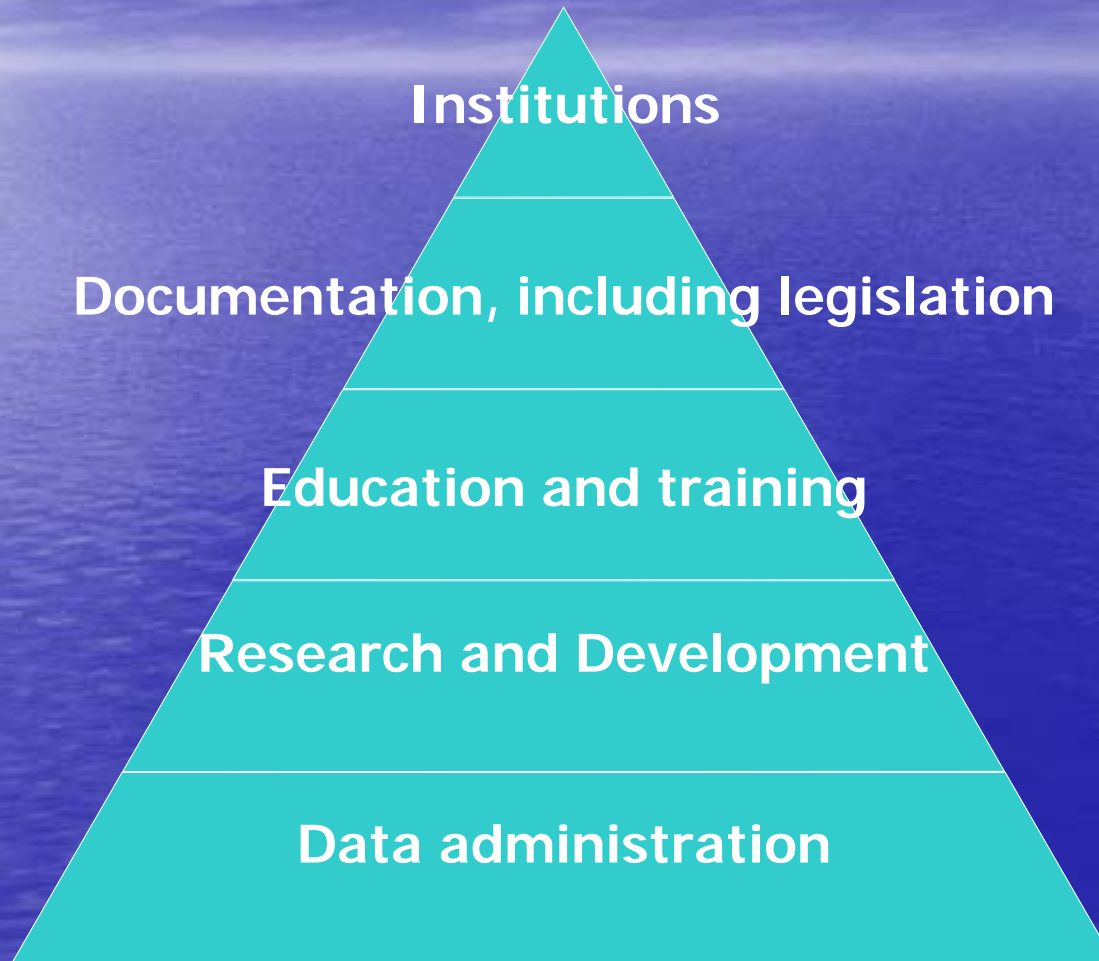
Ground water, water scarcity
Water glossaries, satellite images, etc.



Monthly eNews Flash in Arabic, English and French



The 5 priority topics in the Water sector



Institutions

- Description of the institutional water management in the country,
- Graphic schematising the links between the institutions
- Description of the role and the competences of each entity
- Organisations:
 - Ministries
 - Basins organisations
 - City councils
 - Public and private water and sanitation utilities
 - NGOs & associations
 - Private companies

Institutions

you are not logged in [login](#) [create account](#)

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EMWIS JORDAN NFP WEBSITE
Ministry of Water and Irrigation



[About EMWIS](#) | [Water Context](#) | [Institutions](#) | [Documentation](#) | [Education & Training](#) | [Research & Development](#) | [Data Administration](#)

English

[Public Awareness](#) | [Legislations & Standards](#) | [Who Does What](#) | [Links](#) | [On-Line Questionnaire](#) | [Users Needs Survey](#)

Quick access about

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Search



Institutions

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Non-Governmental Organizations

Programmes

Projects

Water Operators

International Organizations

Network

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MEDA Water



Documentation, including legislation

- Documentation:
 - A list of public/university libraries or documentation centres with significant resources focusing on inland water.
 - Key national strategy documents (e.g. master plan)
 - When existing, direct access to the documentation system of NFP or of its partners (e.g. through agreements with libraries) with metadata exposure and full text access if possible (i.e. for public documents)
- Legislation:
 - A statement identifying the competent authority that can provide the official legislation and the official language(s) and the list of relevant national laws with title, date of publication and a brief summary or commentary. The translation should focus on this part rather than on the full text
 - An analysis of the coverage of the water law with a description of its organisation and a thematic classification of the texts could be developed with the support of a specialised lawyer
 - Links to the full text legislation when available
 - List of international conventions covering (even partly) inland water (e.g. [RAMSAR convention](#), [Mediterranean Action Plan](#)) involving the country.

Documentation, including legislation

Hispagua

Spanish Water Information System

- Home
- Institutions
- Documents
- Training
- Research
- Water data

Home > Documentation > Documentos

18/11/2005

- News
- Press
- Newsletter
- Monographs
- Web bulletins
- Alerts
- New publications
- Full text documents
- Legislation
 - European
 - National
 - Regional
- Journals
 - Directory
 - Full text articles
- Links
- Thesaurus on Hydraulic Engineering

Documents

Section opened for collaborations of users of Hispagua which compiles documents, articles and papers specialized in continental waters. If you wish to send documents to be included here, contact with the following mail address: hispagua@cedex.es.

Search in Documentos Help

in

All subjects

Entries from 1 to 5 of 724

- Primer on Natural Hazard Management in Integrated Regional Development Planning
Department of Regional Development and Environment Executive Secretariat for Economic and Social Affairs Organization of American States
- To dam or not to dam?
WWF/Adena
- Evaluation of the replies to the Internet Consultation "Reducing the risks of floods in Europe"
Agencia Europea de Medio Ambiente (AEMA) - European Environment Agency (EEA)
- WFD Implementation in the Danube River Basin
European Water Association (EWA)
- The Elbe and Oder Rivers - Implementation of the WFD in the International Commission for the Protection of the Elbe (Oder) River

Following

- Search
- Press News
- Newsletter
- Full text documents
- Legislation
- Links
- Who is Who
- Water Culture
- Data Bases
- Forum



In efficient water management, is there communication between the technical & scientific sectors and all other interested parties?

- Yes
- Insufficient
- No

Vote

See results

Previous surveys

Send your comments



Documentation, including legislation

Last update: 2002-11-20



News

Water context

Institutions

Documentation

Training

Data Management

Res & Dev

WATER LEGISLATION

- [Law No. 2 for 1996 Concerning the Establishment of the](#)
- [Article 40](#)
- [Water Rules & Regulations](#)
- [Norwegian Program](#)

Law No. 2 for 1996 Concerning the Establishment of the Palestinian Water Authority

Chairman of the Executive Committee of the Palestinian Liberation Organization

President of the Palestinian National Authority

After Reviewing the law No. (5) for 1995, regarding transfer of the authorities and functions, and the existing Law No. (2) for 1938 for monitoring water resources which is valid in Gaza and the West Bank, and the decision No. (90) for 1995 which was issued on 26/4/1995 to establish a Palestinian Water Authority and appoint a commissioner, and upon the requirements of the public benefit, and law No.(17) of 1937 for protection the of public Water Works, and its amendments, which is application in the West Bank and Gaza Strip; and

Education and training

- Educational curricula for student:
 - List of the universities or schools (with contact details) providing courses classified by topics
 - When possible details about the courses (e.g. duration, certificates required to attend the course, etc.)
 - Link to [the MEDA-Tempus program](#) for exchange between universities with a brief explanation of this program and the national contact for further information (check http://ec.europa.eu/education/programmes/tempus/countries/index_en.html for information on your country involvement in TEMPUS)
- Vocational training for workers who want to update their skills or obtain new knowledge
 - List of the centres providing courses classified by topics
 - When possible details about the courses (e.g. duration, knowledge required to attend the course, etc.)
 - For the international courses opened to foreigners: syndication of the training news published by the Technical Unit (url and connection details to be provided by the Technical Unit)

Education and training

Address <http://www.semide.dz/FR/themes/formation.htm> Go Links

Technologie	<ul style="list-style-type: none"> ● Hydrogéologie ● Électromécanique et Maintenance des équipements hydrauliques ● Traitement des eaux et Fluides ● Traitement et épuration des eaux ● Instrumentation et Mesure en Hydraulique
Sciences de la Nature et de le Vie	<ul style="list-style-type: none"> ● Sciences de la Mer ● Sciences de la Terre (Géographie et Cartographie) ● Sciences de la Terre (Géologie)
Sciences de la Nature et de le Vie	<ul style="list-style-type: none"> ● Ingénieur en Nutrition et Technologie Agro- Alimentaire ● Sciences de la Mer (Institut des Sciences de la Mer et de l'Aménagement du Littoral- Dely Brahim, Alger)
Sciences exactes et Technologie	<ul style="list-style-type: none"> ● Hydraulique

Filières de Formation		Type de Formation Supérieure	Établissements de Formation	Séries du baccalauréat et priorités	Base de classement pour l'orientation
Technologie	Hydraulique		<ul style="list-style-type: none"> - Université de Chlef... - Université de Laghouat - Université de Béjaïa - Université de Annaba - Université de Batna - Université de Biskra - Université de Ouargla - Université de M'sila - USTO (Oran) - Université de Tlemcen - Université de Saïda - Université de Tiaret 	Sciences Exactes. Sciences de la Nature et de la Vie Technologie: <ul style="list-style-type: none"> - Génie Civil - Génie Mécanique - Génie électrique 	Le classement se fait sur la base de la moyenne générale obtenue au baccalauréat
	Hydrogéologie	Cycle court, DEUA	<ul style="list-style-type: none"> - Centre Universitaire Khemis Miliana (Univ. Blida) - Centre Universitaire de Saïda 	Bacs de Technicien:	
	Électromécanique et		<ul style="list-style-type: none"> - Université de Annaba 		

Research & Development

- List of the main research centres involved in water and sanitation with a description of their field of competences
- List of the public organisations managing R&D programs (e.g. national administrations, basin organisations, local/regional authorities) with their R&D planning (e.g. priorities, investment plans)
- List of international projects involving the country extracted from the Technical Unit database using an XML syndication and a filter
- List of national projects (at least the on-going projects) using the common EMWIS metadata. Alternatively, these projects could be included in the [EMWIS database](#) and displayed on the NFP web site together with the international projects involving the country using an XML syndication and a filter
- List of organisations financing R&D projects (e.g. international organisations) with a brief description of the type of projects financed

Research & Development



Home

Water context

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Data manag.

Institute	Telephone	Address
<u>Water Research Institute</u> of the Technion - Israel institute of technology	+972-4-8234014	The Technion, Haifa
<u>Geological Survey</u> of Israel	+972-2-5314211	Malhei Israel st. 30, Jerusalem
<u>Environmental Sciences Program</u> of The Hebrew University, Jerusalem.	+972-2-6586836	The A. Safra Campus, Jerusalem
<u>Seagram Center for Soil and Water Sciences</u> of the Faculty of Agricultural, Food and Environmental Quality Sciences of the Hebrew University	+972-8-9489340	P.O.B. 12, Rehovot
<u>Institute of Earth Sciences</u> , The Hebrew University, Jerusalem	+972-2-6584686	The Hebrew University, Jerusalem 91904
<u>The Porter School of Environmental Studies</u> , Tel-Aviv University	+972-3-640-8111	P.O. Box 39040 Tel Aviv 69978
<u>The Jacob Blaustein Institute for Desert Research</u> , Ben-Gurion University	+972-8-6596777	Sede Boqer Campus, 84990 Israel

Research & Development

Address <http://www.mwi.gov.jo/projects/ProjectsList.aspx> Go Links

عربي

Ministry of Water & Irrigation
وزارة المياه والري

HOME | GALLERY | CONTACT US | SEARCH GO

THE MINISTRY | PROJECTS | FUTUER PROJECTS | SERVICES | MISC. ISSUES | TENDERS | NEWS & EVENTS | USEFUL LINKS


PROJECTS

[HOME](#) | [PROJECTS](#)

MINISTRY PROJECTS

Project Name	Donor
Amman/Zarqa Reclamation and Reuse	WORLD BANK
Amman Water and Sanitation Management	WORLD BANK
Water Quality and Environmental Improvement in Jordan Rift Valley	WORLD BANK
Amman Water and Sanitation Management	WORLD BANK
Middle Governorates Water and Sanitation Management	WORLD BANK
Expansion of Aqaba 3 Facilities	USAID
3 Reuse Implementation I	USAID
Zara-Ma'in Water Supply	USAID
Development and adoption of a 5 years strategic plan, to assist in implementing contact in irrigation system.	USAID
Upgrading Aqaba 3 Facilities	USAID

1 2 3 4 5 6 7 8 9



SEARCH

Project Name

Project Type


Funding Type

Scope of Work

Governorate

Start Date

Completion Date



How would you rate the MWI new website design?

Attractive design.

Average design.

Poor design.

Data management

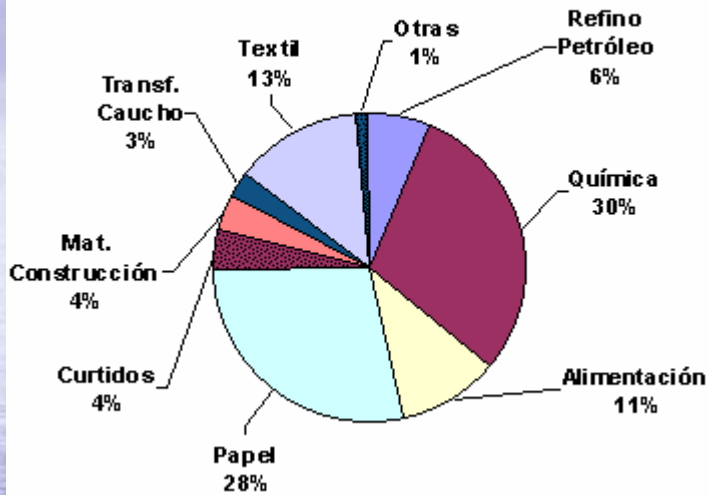
- This section should provide a list of the official water data providers labeled by themes including for each theme
 - - Contact details
 - - Direct web access if existing

Different kind of data can be included:

- Geographical data
 - Meteorological and climate data
 - Remote Sensing and GIS data
 - Orographical data
 - Geology data
 - Hydrography data
- Economy (agriculture, industry, services)
 - Tourism
 - Language

Data management

Dotaciones de agua por sectores industriales



Country Members
Country Members with active site

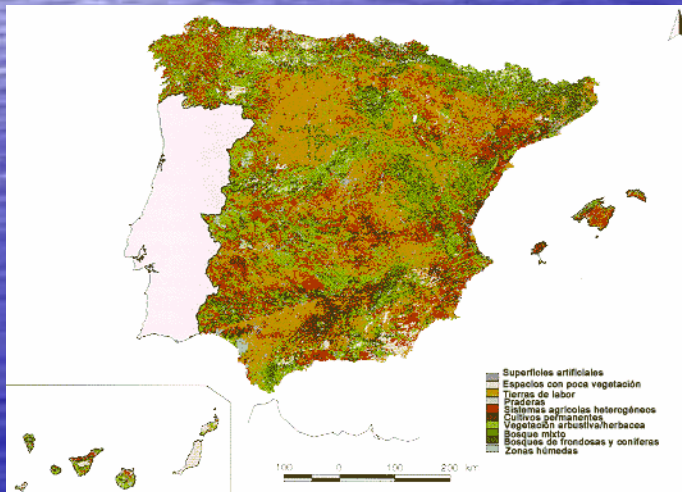
- [Institutions Section](#)
- [Documentation Section](#)
- [Training Section](#)
- [Research/Development Section](#)
- [Data Handlers](#)
- [Water Context](#)



Data Handlers

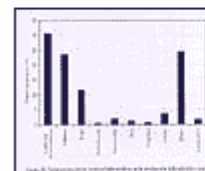
The main Portuguese Data Producers is listed in this page. In this list the Portuguese Focal Point for EMWIS, the Portuguese Institute for Water (INAG), plays a central role since as the National Water Authority it is the responsible for planning all the water monitoring activities both for surface and groundwater, as well as for water quality or quantitative determinations.

- [Instituto da Água \(INAG\)](#)
- [Instituto de Meteorologia \(IM\)](#)
- [Instituto do Ambiente \(IA\)](#)
- [Instituto Português de Investigação Marítima \(IPIMAR\)](#)
- [Instituto Hidrográfico \(IH\)](#)



Production of hydroelectricity by river basins

The following graphic shows the production of electricity by hydrographic river basins. The river basins of the Ebro, Duero, Tajo and Cantabrian ones, contribute with 90% of the total production. The production in the rest of the river basins is practically null.



"Contribution of the hydrographic river basins to the total hydroelectric production"

[Click to enlarge]

Data management



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GestionDonnees

LA GESTION DES DONNEES

I- GESTION DES DONNEES HYDROLOGIQUES

- [Le Service des Ressources en Eau \(Office National du Litani\)](#)
- [Division de l'Hydrologie- Direction Générale de l'Equipement Hydraulique et Electrique \(Ministère de L'Énergie et de L'Eau\)](#)



Contexte de l'eau



Actualités

Contexte de l'eau

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Recherche & développement

Administration de données

Culture de l'eau

- [Introduction](#)
- L'homme et la maîtrise de l'eau en Tunisie 

[La maîtrise de l'eau à l'époque antique](#)

[L'alimentation en eau de Tunis sous les Hafsides](#)

[Les débuts de l'hydraulique moderne en Tunisie](#)

[Techniques d'alimentation en eau potable](#)

[Les bassins aghlabides à Kairouan: Une leçon d'ingénierie](#)

- [Séquence vidéo](#) : La maîtrise de l'eau en Tunisie 

Les ressources en eau en Tunisie

- [Introduction](#)



Accueil

Évènements

Liens

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Il y a

[Voir tous les articles de presse](#)[Algérie Presse Service](#) - mercredi 18 avril 2007**Augmentation du taux de remplissage des barrages** Algérie Presse Service - jeudi 12 avril 2007

Le taux global de remplissage des 59 barrages que ce mardi 48,88 % contre 44,95 % à la même période. [Complet](#)

[Algérie Presse Service](#) - jeudi 12 avril 2007**Transfert des eaux de Taksebt vers Alger: taux**
Barrage de Taksebt Boumerdes - Le ministre des de Tizi-Ouzou au niveau du chantier de réalisation à partir du barrage de Taksebt (Tizi-Ouzou) ... [Article Complet](#)

Transfert des eaux de Taksebt vers Alger: taux d'avancement de 82% du tunnel de Thenia

Barrage de Taksebt Boumerdes - Le ministre des Ressources en eau, Abdelmalek Sellal, a fait mercredi une halte à son retour de Tizi-Ouzou au niveau du chantier de réalisation du tunnel de Thenia (Boumerdes), inscrit au titre du projet de transfert des eaux à partir du barrage de Taksebt (Tizi-Ouzou) vers Boumerdes et la capitale. M. Sellal a constaté que les travaux de ce tunnel ont atteint un taux d'avancement de 82 %, sachant que la réception de ce projet, d'une longueur de près de cinq km sur deux mètres de large, est attendue courant juin au moment où le taux de réalisation de l'ensemble du projet de transfert est estimé à 70 %. Sa livraison étant prévue en mars 2008, selon les indications fournies au ministre.

[Liberté](#) - mercredi 11 avril 2007**La ville de Fouka: Plan contre les inondations**
Le projet porte sur la réalisation de 2 400 mètres de digues qui vont prendre en charge deux rejets principaux.[El Watan](#) - mercredi 11 avril 2007**Mise à eau du barrage de Tichy-Haf (Béjaïa)**[\[Accueil\]](#) [\[Algérie PFN\]](#) [\[Arabe\]](#) [\[English\]](#) [\[Contactez-nous\]](#) [\[Recherche\]](#)

L'impétueux Oued Bousselam, qui prend naissance dans les Hauts-Plateaux sétifiens, serpente au milieu des monts Bibans avant de se jeter dans la Soummam au niveau du Piton d'Akbou, a été dompté... [\(Article Complet\)](#)

[La Tribune](#) - mardi 10 avril 2007**Les réalisateurs des projets seront connus début mai: Chinois, Italiens et Turcs en lice pour l'aménagement des hautes plaines sétifiennes**

Deux appels d'offres, sur les six, lancés par l'ANBT (Agence nationale des barrages et transferts) pour l'aménagement des hautes plaines sétifiennes ont été déclarés hier infructueux et de nouveaux seront lancés dans les quinze jours à venir... [\(Article Complet\)](#)

Secrétariat d'Etat chargé de l'Eau

Morocco

RESULTATS DES APPELS D'OFFRES

SEMIDE
EMWIS

N° AD	Objet	Date D'ouverture des Plis	Date achèv. travaux commission.	Nom du soumissionnaire retenu	Montant proposé par le soumissionnaire	Division
1/2005/SEE	Nettoyage des locaux du SEE à Rabat	10/01/2005 à 15 h	10/01/2005	NET-MOD	345.542,40	DAAF
2/2005/DAH	Etude d'avant projet détaillé du barrage TIOUINE dans la province de Ouarzazate	14/03/2005 à 15 h	17/01/2005	AL KHIRA	986.880,00	DPMB
3/2005/DAH	Etude de protection de la ville de Chichaoua contre les inondations de l'Oued Boumia	14/03/2005 à 15 h 30'	17/01/2005	A D I	394.080,00	DPMB
4/2005/DAH	Réalisation des reconnaissances et essais géotechniques de sites de grands barrages dans différentes provinces du Royaume	21/03/2005 à 15 h	28/03/2005	LPEE	210.767,28	DE
5/2005/DAH	Equipements hydromécaniques et électromécaniques du barrage Wirgane	5/05/2005 à 15 h	31/05/2005	AIC	63.369.070,80	D E
6/2005/DAH	Travaux de reconnaissance géologiques par sondages du site de barrage Herissen sur l'Oued Larh dans la province d'El Haouz	22/03/2005 à 15 h	11/4/2005	SOLROC	880.080,00	DPMB
7/2005/DAH	Etude d'avant projet détaillé du barrage Sfeissef dans la province de Figuig	24/03/2005 à 15 h	11/4/2005	INGEMA	1.902.450,00	DPMB
8/2005/DAH	Mise à disposition d'un comité d'experts pour la construction du barrage Wirgane sur l'Oued N'Fis	30/03/2005 à 15 h		CID	2.093.280,00	DE
9/2005/SEE	Surveillance et Gardiennage des	31/03/2005	06/04/2005	SOFRANE	531.939,60	DAAF

Hispagua

Spanish Water Information System

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- Who is Who
- Water Culture**
- Data Bases
- Forum



In efficient water management, is there communication between the technical & scientific sectors and all other interested parties?

- Yes
- Insufficient
- No

Vote

See results

Previous surveys

Send your comments

Questions

Consultation

Surname, Name and Middlename surname

Profession

E-mail (necessary)

Autonomous Region

Country

send

delete



Importance of EMWIS focal points for each country

- The water information portal for the country
- The window on the country know-how in the water sector
- A major tool for building new collaborations
- A node of the Euro-Med system