

**EMWIS Jordan National Focal Point
Information Seminar
Amman
The Bristol Hotel,
May 16th, 2007**



Co-funded by the European Commission

Prepared by

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Disclaimer:

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List of Abbreviations

BRDC	Badia Research and Development Centre
CES	Center of Environmental Studies/The Hashemite University
DOS	Department of Statistics
DOS	Department of Statistics
EHD	Environmental Health Directorate
EMARCU	Environmental Monitoring and Research Central Unit
EMPOWERS	MEDAWATER-EMPOWERS Project (Euro-Med Participatory Water Resources Scenarios)
EMWATER	MEDAWATER-EMWATER Project (Efficient Management of Wastewater, its Treatment and Re-Use in the Mediterranean Countries)
EMWIS	The Euro Mediterranean Information System on the Know-How in the Water Sector
EMWIS TU	EMWIS Technical Unit (France)
GTZ	German Technical Cooperation
IRWA	MEDAWATER-IRWA Project Coordinator
JICA	Japan International Cooperation Agency
JOHUD	MEDAWATER-MEDAWARE Project Partner
JUST	Jordan University for Science & Technology
JVA	Jordan Valley Authority
MEDAWATER-RMSU	MEDAWATER Program-Regional Monitoring and Support Unit
Miyahuna	Jordan National Water Company
MOENV	Ministry of Environment
MoPIC	Ministry of Planning and International Cooperation
MWI	Ministry of Water and Irrigation
NCARTT	National Centre for Agricultural Research and Technology Transfer
NRA	Natural Resources Authority
PFC-DSEER	Prince Faisal Center for Dead Sea, Environmental and Energy Research / Mutah University
PMU	Programme Management Unit
RJGC	Royal Jordanian Geographic Center
RSCN	Royal Society for Conservation of Nature
RSS	Royal Scientific Society
UOJ	University of Jordan
USAID	United States Agency for International Development
WAJ	Water Authority of Jordan

I. Introduction:

“Water management requires a large volume of increasingly sophisticated information. However - at both international and national level - access to know-how in the water sector remains fragmented, dispersed and heterogeneous. There is therefore a need to rationalize the information and to make it both understandable and easily available.

“To tackle this issue, and to strengthen the Euro-Mediterranean dialogue, EMWIS (Euro-Mediterranean Information System on Know-How in the Water Sector) was initiated during the Marseilles Euro-Mediterranean Ministerial Conference on Water Management (November 1996). On this occasion, the Euro-Mediterranean Ministers of Water met together and decided to create a system to rationalize the exchange of information and know-how. EMWIS was approved in Naples by the water directors after a one year feasibility study. Today, it is the only operational tool for cooperation between the 35 Euro-Mediterranean countries in the water sector. Its task is to make an inventory and gather all available information, providing easy access to everyone.

The EMWIS initiative is based on active participation and on the sharing of information and experience acquired by the partner countries at local, regional and national levels.

“All the countries involved in the Euro-Mediterranean Partnership are concerned with EMWIS:

- The 27 EU member states.
- The 10 Mediterranean Partner Countries (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestine, Syria, Tunisia and Turkey)

“To date 20 National Focal Points (NFP's) have been assigned throughout the member countries, while 15 web sites have been set up” (source EMWIS website)

II. EMWIS objectives:

EMWIS has three main objectives:

A. To provide easy access to information, with special emphasis on:

1. **Institutions:** The types of institutions and the people involved.
2. **Documentation:** Existing centers and their organization; the means and technologies used for processing, accessing, consultation and dissemination, standardization and quality certification.
3. **Training:** Existing organizations, programs, localization, trainers, methods, training materials, quality certification.
4. **Research and development:** Existing organizations, programs, people involved, means and technologies, publications, partnerships, funding sources.
5. **Data administration:** Existing organizations and databases, methods used for data gathering and checking, publications.

- B. To develop the sharing of information
- C. To work together on common products and cooperation programs”. (source EMWIS website).

III. The EMWIS Workshop:

EMWIS Jordan NFP Information Seminar was conducted in Amman at the Bristol Hotel, in May 16th, 2007¹. Several partners and interested organizations attended this workshop² that aimed at the following objectives:

1. Get familiar with the 8 themes of the new web portal (See Section IV below for the EMWIS Jordan National Focal Point themes);
2. Focus on the themes and understand their content;
3. Provide comments and recommendations on how to develop the content; and
4. Discuss information exchange mechanism and get recommendations and back forward.

IV. Results:

The participants were active during the workshop. A few exercises took place in order to educate the participants about the 8 themes of the new web portal (See below). A presentation about the new portal was delivered and followed by a Q&A session.

To deepen the knowledge of participants about the portal; the participants were divided into various groups to review the eight themes and to provide feedback and recommendations on how to develop the content³.

The eight themes that were discussed are as follows:

1. Water context
2. Documentation: (News, Agenda, Newsletters, e-flash, Brochures, Key documents, documents database, Water related libraries, Bibliographical references)
3. Legislations, Standards and Guidelines (Laws, By-Laws/Regulations, Standards, Specifications, International Conventions)
4. Education and Training (Training centers courses, University Courses)
5. Research and Development (Research Centers, Financing organizations, Projects database)
6. Data Administration

¹ The program of the workshop is attached as Annex # 1

² The list of participants is attached as Annex # 2

³ The focus group discussion guide is attached as Annex # 3.

7. Institutions and Public Awareness (such as Governmental organizations, Non-governmental organizations, Programs, Projects, Water operators, International organizations, Network)

This exercise intends also to collect recommendations for the best way to meet needs of the participants including review of the focal point themes (titles and subtitles), and content, and find the best way(s) water actors can support the web portal. The following questions were asked within the focus groups:

1. Does the content address your need? Why?
2. Is the sub-titles enough? What other subtitles need to be added?
3. Is the content of the subtitles clear? What other type of information need to be added?
4. How can your institution support the new web portal?

The results of the focus groups are categorized into the following main titles:

IV. 1. Water Context

Group led by Mr. Eric Mino

Participants:

- Gert Soer – MEDAWATEER - RMSU
- Aysha Abu Allan, WAJ
- Ali Subah, MWI
- Eric Mino, EMWIS TU

Results:

- The section is necessary and needed. The title is fine
- The subtitles must be reviewed
- The new suggested structure should have the following subtitles:
 - Introduction
 - Water resources & demand
 - Plans & solutions
- General Issues Related to Water Context:
 - Source of data and dates should be clearly mentioned;
 - Data provided should be up-to-date;

The suggested detailed structure should look like the following:

- **Introduction**
 - Location
 - Topography
 - Climate & water resources
 - Population with growth and sudden influxes
 - Tourism & investment
 - Economy overview

- **Water resources & Demand**
 - Resources
 - Rainfall
 - Surface water
 - Groundwater
 - Waste water & reuse
 - Desalination
 - Demand
 - Water Uses by Sector
 - Supply, demand and deficit
- **Plans and solutions**
 - Major projects
 - Future demand, supply and deficits
 - Solutions and scenarios

IV. 2. Documentation

Group led by Ms. Lana Naber

Participants:

- Maysa' Salman; - MoPIC
- Rania Sha'ban; WAJ Labs
- Mohie El Deen Shboul; WAJ
- Mohammad Bani Mustafa; MWI
- Heba Abu Elrob; JOHUD
- Ariane Borgstedt, MWI / BGR Project
- Muneer Sabti; WAJ

Results:

- All institutions agree on the usefulness of the web, and stated that there are no problem in sharing reports;
- The title is important and needed;
- Two subtitles can be merged into one subtitle to eliminate confusion. The two subtitles are: Key documents and Documents database;
- Water documents center should be for public use and everybody should be able to access it;
- Should have link to libraries;
- Should control access of institutions to enter data at the web portal;
- Should have an administration center to decide if documents should be added to the web or not;
- The EMWIS NFP should have an agreement with owner of the reports in case it is published by a funded project;
- Publish the monthly newsletter called “Wasala H’adeithan” that is produced by the “Water Resources Center”.

IV. 3. Legislation & Standards

Group led by Ms Nisreen Haddadin & Mr. Omar Taha

Participants:

- Mohammad Abbadi; EHD
- Suzan Kilani; WAJ Labs
- Bassam Saleh ; PMU
- Nawaf Shawbaki ; WAJ
- Hazem Jabari ; WAJ
- Ziad Darwish; MWI
- Omar Taha; MWI
- Nisreen Haddadin; MWI
- Mervat Batarseh; RSCN

General Results:

- The institutions should be able to access the web and update it;
- Should add regulations related to water and environmental to the list. This topic is however covered, within the legislations section, under the “Water & Environment” ..

Results related to the content of the title:

- Should be categorized by subject: water, environment, waste water, etc ...
- It is recommended that Jordan’s Water and Environmental agreements are categorized according to bilateral agreements and multilateral agreements:
- Add all the national, regional & international agreements
- In addition to the international conventions there should be the international standards, laws, guidelines...etc.
- A new field should be added to include the latest update for each law, standard & guidelines...etc
- Add to the web portal the modified regulations and amendments;
- Install links to the international agreements, laws, bylaws, ...;
- To collect the national, regional and international agreements related to water and classify it accordingly.
- It is recommended to contact specific institutions and organizations so they can provide EMWIS with the URL or hard copies of the different legislations and standards related to water and environment
- Institutions can support the new web portal by regularly providing latest updates, new issues and versions

IV. 4. Education & Training

Group led by Ms Nisreen Haddadin & Mr. Omar Taha

Participants:

- Mohammad Abbadi; EHD
- Suzan Kilani; WAJ Labs
- Bassam Saleh ; PMU
- Nawaf Shawbaki ; WAJ
- Hazem Jabari ; WAJ
- Ziad Darwish; MWI
- Omar Taha; MWI
- Nisreen Haddadin; MWI
- Mervat Batarseh; RSCN

Results:

- To categorize the educational and training centres according to their field of specialty and level of involvement in the water sector and not by name only.
- The education & training theme should be classified according to the subjects and contents of training (Researchers are more interested in the subject of training not the provider of the training).
- To add in the searching engine the possibility of searching for training by theme, country, provider and / or date..
- To have links to international expert centers on the web;
- To advertise and promote the web portal through media, universities, Ministry of Education, other ministries and institutions;
- The portal is designed only for adults, it should be developed to a more children and students user friendly website, as information about water interests all people;
- The page about water for children and students can be designed in an attractive way and has a link at the home page;
- To add to the web a photo album that demonstrates specific topics and/or specific issues ...;
- Institutions can support the new web portal by providing training fields and locations that the institution provides for both local and regional parties and areas for the know-how and technology transfers;
- Coordination with the GTZ Project “Training Management in the Water Sector” to link their new database related to training into the web portal.

IV. 5. Research and Development

Group led by Mr. Jauad El Kharraz

Participants:

- Dr. Jauad El Kharraz ; EMWIS TU
- Eng. Suhail Wahsheh; JVA

- Dr. Richard Peralta; MWI – USAID Advisor; Utah State University, USA
- Dr. Issa Nsour; MWI
- Dr. Majed Abu-Zreig; JUST
- Dr. Rudoff Krueger; PMU
- Dr. Zakaria Al-Qadah, Director of the Centre of Environmental Studies, The Hashemite University
- Dr. Ali Sawarieh, NRA
- Eng Khalid Jamjoum; NCARTT
- Dr. Abbas Al Omari; WERSC
- Dr. Saad Ayyash, BRDC
- Dr. Izzeddin Wainakh; RJGC (RJGC, Remote Sensing & GIS Senior Researcher)

Results:

- Should have full names of the research centers listed instead of acronyms.
- Add a link to EMWIS Jordan NFP portal from other institutions website;
- EMWIS portal should document scientific reports related to water in Jordan;
- The portal should include information regarding the capabilities of national centers in conducting research and training;
- Projects database search engine should be able to provide:
 - Search by date;
 - List of partners other than EU-Med⁴.
 - Other research topics.
- Add new titles:
 - Call for proposals⁵
 - Call for tenders;
 - Rules for application to call for proposals/tenders (consortium structure, eligibility for application, etc);
 - Looking for partners (to prepare projects proposals);
 - Job vacancies; and
 - Signing agreements between Jordan NFP and organizations that will permit to publish their research results, outputs, activities, data, main research themes and publications at Jordanian NFP website;

IV. 6. Data Management:

Group led by Ms. Suzan TAHA

Participants:

- Suzan Taha; MWI
- Hanan khatib; Miyahuna
- Tamer Alassad; WAJ
- Ibtisam Saleh; MWI

⁴ There are already other partners. For example all financing organizations in the water sector are listed

⁵ Already included under the news topic, under the documentation theme

- Obaida Hammash; USAID
- Manar Mahasneh; JVA
- Dr. Abdelaziz khlaifat; PFC-DSEER
- Eng. Nadia Ghandour; Engicon
- Monther Badrieh; DOS

Results:

- Types of data should include the following:
 - Water information;
 - Agricultural information;
 - Industry;
 - Household;
 - Services;
 - Tourism;
- The following structure is suggested to categorize data and manage it more effectively:

Type of Available Data	Industry, services, household, tourism, constructions, agriculture, water resources, water agreement, environmental sectors
Identification of Data Provider	MWI, WAJ, MOA, NCARTT, Hydrometallurgical Department, MOH, DOS, MOE, RSS, NGO's, Research Centers, Donors
Data Publication	Seminars & other links
Water Data Needs	Quantity, sources, use and consumption, climatology, water demand & use
	WHO standardization

- The suggested structure of this title and main topics should include:
 - **Water resources:**
 - Ground Water (quantity, ...)
 - Surface Water
 - Wells production (by use type)
 - Springs production
 - Treated water resources
 - **Industry: production, water users, quality, quantity**
 - Tourism,
 - Household,
 - Commercial,
 - **Water demands,**
 - **Social:**
 - Population,
 - Gender data,
 - **Economical:**
 - Employment,
 - GDP
 - **Environmental,**
 - **Climate (Metrological),**

- **Land use,**
- **Financial water data**
 - Water account
- **Agreements**
- **Political**
- **Investment Planning**
- **Complaints center.**

Other recommendations included:

1. Coordinate with the Natural Resources Authority to put bone geographical maps and reports on the web.
2. Provide text and links to partner institutions' reports.
3. Provide short news about water activities that partner institutions does;

IV. 7. Institutions and Public Awareness:

Group led by: Ms. Rasha Sharkawi

Participants:

- Jumana Alayed; Miyahuna
- Rasha Sharkawi, MWI
- Feda Muwanes, JVA
- Mona Barghout; EMPOWERS
- Khalil Jamjoum; NCARTT

Results:.

- Projects content under this theme should be enhanced to include all projects, and projects should be listed in an alphabetical order. However since the projects should be listed anyway in the “projects database” under the Research and Development theme, it is necessary to create internal link within the institutions theme, that would refer the EMWIS web visitor to the projects database
- Information should be updated by web officer;
- Adding links to other potential institutions / UNU university;
- To include Research & Development , Training and Education to the institution theme;
- Add contact persons to all institutions listed,;
- Provide access to all public awareness institutions;
- Provide access and categorize all brochures, videos, flyers, films and public awareness materials done before;
- Better communication and institutional cooperation between the project and institutions;
- Link institutions websites to the project's website; and
- Link to publicity materials and any other available information.

V. Recommendations:

The participants were requested to make recommendations regarding the future of EMWIS NFP operation in Jordan. Based on these recommendations, a road map is hereby provided (Sections V.1 to Section V.5). The more general recommendations are listed separately in section V.6.

V.1. Establish Partnership

1. EMWIS NFP should sign formal agreement with stakeholders and involved parties after presenting its draft to directors of institutions⁶;
2. The agreement should serve to help partners adopt the website and institutionalize it.
3. The agreement should allow assigned staff member in the partner institution to update/insert information about the institution in EMWIS portal.

V.2 Establish Committee

4. Establish a management committee; of all related parties to follow up with the partners to update their workspace on the website. The committee will consist of representatives nominated by each partner / data provider, to facilitate the follow up of data update.
5. The committee should meet regularly like every three months to discuss the achievements and develop action plans for the future and monitor progress and achievements.
6. Committee should Develop and apply procedures to ensure continuity of updating and follow up on Data/information.
7. Committee should Identify the role of each party in updating data; For example, MWI has the responsibility to manage the portal
8. Committee should also decide on the policy to be adopted for updating the data;
9. Committee should develop criteria and procedures to verify data and documents to be uploaded to the website

V.3 Coordinators

10. Nominate a working team consisting of representatives of all parties to collect, supervise and manage the data to be provided and / or entered to EMWIS website and who would also be responsible for employees awareness for EMWIS;
11. Provide training for the above team.

⁶ A draft Memorandum Of Understanding (See Annex #4) has already been prepared and sent to the selected stakeholders.

12. Could also Assign coordinators on specific themes;

V. 4 Web portal access and privileges

13. Give each partner (water sector information provider) and/or user access to the content management system of the site with certain privileges to add their related documents;

14. Provide free access to all users anytime

15. Should consider the possibility of having only one entity in charge of updating each section or subsection. Determine the responsible party (organization) that should update and then have the focal point to monitor and control their input;

V.5 Sharing Data, adding links, adding reports

16. Partners/data providers should own a workspace on the EMWIS site

17. Alternatively, National Institutions to provide EMWIS team with reports, training, projects, etc., in digital format, and on quarterly basis.

18. Link between libraries of partner institutions, MWI and EMWIS website..

V. 6. General Recommendations

Promoting the web portal

19. EMWIS project must be promoted more properly to be exposed to the public community; Advertise and promote the web portal through media, universities, Ministry of Education, etc...

20. The link should be sent to relevant institutions to the water sector and publicize it in the media;

21. Conduct more workshops that aims at informing water sector and environment users/providers by this web portal;

22. Use media to advertise the EMWIS web portal;

23. Develop and send clear messages about the objectives and common benefits to water sector involved institutions;

24. A newsletter about the site can be distributed to the involved institutions;

Chatting room:

25. The EMWIS website should include chat room on water related issues;

26. Establish discussion forum on line;

27. Build online discussion board to interchange and agree on data;

28. Open a site to receive suggestions and remarks from the public interested.

Other Recommendations:

29. Discuss the possibility of forming a virtual center for water research;

30. EMWIS NFP should build partnership with the Royal Jordanian Geographic Center:

- For the provision of topographic maps with different scales;
- Providing remote sensing data;
- GIS support;
- Training courses on remote sensing and GIS.

31. The portal is designed only for adults, it should be developed to a more children and students user friendly website (The page about water for children and students can be designed in an attractive way and should be linked with the home page).

Annexes

Annex # 1
The Workshop Agenda
EMWIS Jordan NFP Information Seminar
Amman – The Bristol Hotel, May 16th, 2007

08:00 - 09:00 Registration

09:05 - 09:15 **Seminar Introduction:** H.E. Eng. Khaldon Khashman; MWI Secretary General

09:15 - 09:25 **Welcome Speech:** Mr. Walter Mazzitti; EMWIS Secretary General

09:25 - 09:40 **Overview of EMWIS:** Mr Eric MINO; EMWIS Technical Unit

09:40 - 09:50 **EMWIS in Jordan:** Eng. Suzan Taha; EMWIS NFP Coordinator

09:50 - 10:20

Coffee Break 1

10:20 – 10:30 Introduction to Partnership in Information Technology and communication

10:30 Review of web portal - Plenary

10:30 - 10:45 Web Portal Overview: Eng. Rasha Sharkawi

10:45 - 11:05 Web Portal Content: Eng. Nisreen Haddadin

11:05 – 12:15 Review of web portal content in sub-groups ⁷

12:15- 12:30 Description of potential partnership agreements: Eng. Suzan Taha

12:30 - 12:40 Information Exchange Mechanism – Plenary / flashcards

12:40 – 13:00

Coffee break 2

13:00 - 13:15 Conclusions

13:15

End of the seminar

Working Language: English

⁷ **Moderated by:** Mr. Ramez Habash

Sub-groups Leaders:

Eng. Suzan TAHA (MWI) (Data Management)

Eng. Rasha Sharkawi, (MWI)

Eng. Nisreen Haddadin, (MWI)

Mr. Jauad El Kharraz (EMWIS Technical Unit)

Eng. Lana Naber

Mr. Omar TAHA, (MWI)

Mr. Eric Mino, (EMWIS Technical Unit)

Annex # 2 List of Participants

No	Organization name	Acronym	Name	Directorate & position	Contact address			
					Tel	Mobile	Fax	e-mail
1	Al-Nabrees		Nadia Juhari	General Manager		0795255944		najuhari@yahoo.com
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13	German Technical Cooperation	GTZ	Randa Momani					randa_momani@mwi.gov.jo
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15	Japan International Cooperation Agency	JICA	Hani Kurdi	Senior Program Officer	065858921	0795530150	065858921	hanikurdi.jd@jica.go.jp
16	Jordan University for Science & Technology	JUST	Majed Abu-Zreig		02720100 ext 22381		0227201074	majed@just.edu.jo / majed_abuzreig@yahoo.ca
17	Jordan Valley Authority	JVA	Yousef Hasan	Director of Planning		0795588087		Youssef_Hassan@mwi.gov.jo

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18	Jordan Valley Authority	JVA	Manar Mahasneh	Head of GIS Division		0795534437		Manar_Mahasneh@mwi.gov.jo
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26	Jordan National Water Company	Miyahuna	Jumana Alayed	Marketing Manager				jalayed@miyahons.com.jo
27	Laboratories and Quality Directorate	WAJ Labs	Rania Shabban			0777495445		shaban_rania@yahoo.com
28	Laboratories and Quality Directorate	WAJ Labs	Suzan Kilani	Director of Water Shed Management		0795600505		isolab@go.com.jo
29	MEDAWATER-RMSU	RMSU Amman	Gert Soer	Project leader		0799609337		gsoer@medawater-rmsu.org
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45	Ministry of Water and Irrigation	MWI	Ali Subah	Director of Groundwater Resources Protection Directorate	06565226 5	0777295902	06565228 7	ali_subah@mwi.gov.jo
46	Ministry of Water and Irrigation	MWI	Ziad Darwish	Director of HRD	06565225 8	0777426062	06565225 6	ziad_darwish@mwi.gov.jo
47	Ministry of Water and Irrigation	MWI	Mohamad Momani	ASG for Technical Affiars				Mohammad_Almomani@mwi.gov.jo
48	Ministry of Water and Irrigation	MWI	Mohammad Bani Mustafa	Director of MIS Directorate	06565226 5			Mohammad_Bani-Mustafa@mwi.gov.jo
49	Ministry of Water and Irrigation	MWI	Omar Taha	EMWIS IT Manager, and	06565226 5	0796604464	06565228 7	Omar_Taha@mwi.gov.jo

No	Organization name	Acronym	Name	Directorate & position	Contact address			
					Tel	Mobile	Fax	e-mail
				Network Operation, MIS Directorate				
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51	Natural Resources Authority	NRA	Ali Sawarieh	Head of Mapping Division		0795113356		Alisawarieh@excite.com
52	Prince Faisal Center for Dead Sea, Environmental and Energy Research/Mutah University	PFC-DSEER	Abdelaziz khlaifat			0795776672		khlaifat@mutah.edu.jo
53	Programme Management Unit	PMU	Bassam Saleh	BOT		0777739457		bassam_saleh@pmu.gov.jo
54	Programme Management Unit	PMU	Rudolf Krueger	CTA		0795313777		Rudolf_Krueger@pmu.gov.jo
55	Royal Jordanian Geographic Center	RJGC	Izzeddin Wainakh	Head of Remote Sensing Division	+962 6 5345188	+962 77 7438083	+962 6 5347694	izwainakh@yahoo.com
56	Royal Scientific Society	RSS	Tharwa Qataish	Project Manager		079056930		tharwaq@rss.gov.jo
57	Royal Society for Conservation of Nature	RSCN	Mervat Batarseh	Head of EE Section		0795444031		mervtbat@yahoo.com
58	United States Agency for International Development	USAID	Obaida Hammash			0795404968		ohammash@usaid.gov
59	University of Jordan		Abbas Al-Omari		06535500 0/23900	077358664		abbassm@ju.edu.jo
60	University of Jordan		Elias Salameh		06535500 0/22261		06534893 2	salamelias@ju.edu.jo
61	Water Authority of Jordan	WAJ	Hasan Amro	Director of Policies and Performance Development		0777854303		amro_303@yahoo.com
62	Water Authority of Jordan	WAJ	Hazim Jabari	Head of information department		0777429391		hazim_jabari@mwi.gov.jo
63	Water Authority of Jordan	WAJ	Muneer Sabti	Librarian		0785706986		Muneer_Sabti@mwi.gov.jo Muneer_Sabti@yahoo.com
64	Water Authority of Jordan	WAJ	Mohye Shbool	ASG for Administrative Affairs	06568010 0		06567914 3	Mohye_Shbool@mwi.gov.jo

No	Organization name	Acronym	Name	Directorate & position	Contact address			
					Tel	Mobile	Fax	e-mail
65	Water Authority of Jordan	WAJ	Aysha Abuallan	Web Manager/E.government		0796276210		aysha_abuallan@mwi.gov.jo
66	Water Authority of Jordan	WAJ	Nawaf Shawbaki	Director of Information and Losses Monitoring Unit				Nawaf_Shawbaki@mwi.gov.jo
67	Water Authority of Jordan	WAJ	Isam Bataineh	Head of e-government		0777246148		isam_bataineh@mwi.gov.jo
68	Water Authority of Jordan	WAJ	Tamer Alassad			0795132072		tamer_alassad@mwi.gov.jo
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71	EMWIS Secretary General	EMWIS/SEMIDE	Walter Mazzitti	Secretary General				waltermazzitti@hotmail.com
72	Ministry of Planning and International Cooperation	MoPIC	Maysa Salman	Analyst, Computer and Information Department	064644466 (ext. 460)		064649341	maysa@mop.gov.jo
73			Ramez Habash	Facilitator		0795654466		RamezHabash@hotmail.com

Annex # 3

Focus Group Discussion Guide

Exercise # 1

11:05 – 12:05 Review of web portal content in sub-groups

Objective:

- Get familiar with the 8 themes of the new web portal;
- Focus on one of the themes and understand its content; and
- Provide comments and recommendations on how to develop the content.

Method:

- Introduction
- Explain roles in the group (leader, documenter and presenter);
- Present the objectives;
- Explore the web portal;

- Read the content of the assigned theme;
- Discuss within the group current data, missing data and other options (answer the questions bellow);
- Brainstorm recommendations;
- Write results on the flipchart; and
- Present the results in plenary (5 minutes for presentation).

Note: *Presenter from each group – to present participants, results and recommendations.*

Time distribution:

- Team leader, presenter
- 5 minutes introduction – Objectives (main theme and sub-theme)
- 20 min overview of sub-themes
- 15 to answer questions
- 5 min for each group to present results – presenter from each group – to present participants, results and recommendations

Eight Themes:

1. Water context



2. Documentation (News, Agenda, Newsletters, e-flash, Brochures, Key documents, documents database, Water related libraries, Bibliographical references)
3. Legislations, Standards and Guidelines (Laws, By-Laws/Regulations, Standards, Specifications, International Conventions)
4. Education and Training (Training centers courses, University Courses)
5. Research and Development (Research Centers, Financing organizations, Projects database)
6. Data Administration
7. Institutions & Public Awareness (such as Governmental organizations, Non-governmental organizations, Programs, Projects, Water operators, International organizations, Network)

Questions to answer:

1. Does the content address your need? Why?
2. Is the sub-titles enough? What other subtitles need to be added?
3. Is the content of the subtitles clear? What other type of information need to be added?
4. How can your institution support the new web portal?

Annex # 4 مسودة مذكرة تفاهم

بين الفريق الأول: وزارة المياه والري - نقطة الإعلام الوطنية الأردنية للنظام المعلوماتي البيروماتوسي للمعرفة في مجال المياه (EMWIS)

الممثل بأمين عام وزارة المياه والري

والفريق الثاني:

الممثل ب:

وحيث أن النظام يعتبر أداة استراتيجية لتبادل المعلومات والمعرفة في مجال المياه عبر عدة محاور تهتم المؤسسات العاملة في قطاعي المياه والبيئة وتشمل:

1. التعريف بالمؤسسات العاملة في القطاع
2. التوثيق المائي (أخبار ونشرات مائية، وثائق وتقارير، وفعاليات القطاع)
3. التعليم والتدريب في قطاع المياه
4. البحث والتطوير المائي
5. البيانات المائية ومصادر المعلومات
6. التوعية المائية
7. النشريات والمواصفات والإرشادات المعمول بها في قطاع المياه
8. إصدار دليل المؤسسات العاملة في قطاع المياه وكتالوج عن مصادر المعلومات المائية

فقد اتفق الطرفان على التعاون المشترك لضمان رفق الموقع الإلكتروني، الذي قام الطرف الثاني بتطويره ضمن نظام EMWIS وفقا للمحاور المذكورة سابقا ، بالمعلومات اللازمة بما يكفل استمرارية تحديث وتطوير المعلومات وضمان نوعيتها، وذلك ضمن إطار شراكة محلية تكون نواة لإنشاء نظام معلومات مائي يستجيب لحاجات المستخدمين من حيث تبادل المعلومات بين جميع الجهات المعنية في القطاع على المستوى الوطني، في الوقت الذي يكون فيه جزء من نظام بيروماتوسي أوسع لتبادل معلومات محددة على مستوى دولي.

وفي هذا الصدد يقوم الفريق الثاني بتسمية مندوب دائم من الدائرة المعنية بالمعلومات المتعلقة بالمياه للمشاركة كعضو دائم في لجنة التنسيق بين مندوبي المؤسسات العاملة في قطاع المياه في الأردن، ولتولى المهام التالية:

1. تحديث المعلومات المشار إليها أدناه شهريا و/أو كلما دعت الحاجة مباشرة على الصفحة المخصصة لذلك ضمن الموقع الإلكتروني لنقطة الإعلام البورية الوطنية ل EMWIS ضمن نطاق (www.emwis.jo) بموجب صلاحيات استخدام سوف يتم تحديدها لاحقا ووفق المعايير المحددة ضمن هذا النظام .

- المؤسسات
- التوثيق
- التدريب والتعليم
- البحث والتطوير
- إدارة المعلومات

1. التعريف بالفعاليات التدريبية المتعلقة بالمياه أو البيئة وفق المعايير المحددة ضمن هذا النظام.
2. إعداد قائمة لمشاريع المياه والبيئة والممولة من قبل منظمات أو مؤسسات دولية أو أجنبية وذلك وفق المعايير المحددة ضمن هذا النظام.
3. المساهمة في توفير الخبرات والدراسات والأخبار والنشرات المائية، والوثائق والتقارير التي يرغب الفريق الأول تسهيل الوصول إليها أو الإعلان عنها على المستوى الوطني و/أو الإقليمي عبر نقطة الإعلام البورية الوطنية EMWIS وفق المعايير المحددة ضمن هذا النظام وبشكل إلكتروني باللغتين العربية والإنجليزية.
4. تزويد نقطة الإعلام الوطنية بالأخبار عن الفعاليات المرتبطة بالقطاع وفق المعايير المحددة ضمن هذا النظام.
5. تدقيق المعلومات المرتبطة بالفريق الأول والتأكد من صحتها وتحديثها الدوري وعند الحاجة.
6. المشاركة في اجتماعات لجنة التنسيق بين مندوبي المؤسسات العاملة في قطاع المياه في الأردن.
7. المساهمة في تحديد الإجراءات الخاصة بتبادل المعلومات.

التاريخ:

الفريق الثاني:

الاسم:

التوقيع:

الفريق الأول:

الاسم:

التوقيع: