



Mediterranean Network of Basin Organisations (MENBO)
Liaison Bureau 2012
16th of October 2012, Istanbul (Turkey)

Participants:

In **Annex I** a participant list is attached.

The Liaison Bureau was chaired by:

Dr. Antonio Guerreiro de Brito, representing the Portuguese Presidency of MENBO 2011-2013 and Assistant Professor at the University of Minho (Portugal)

Dr. Fadi Comair, Vice-President of MENBO and General Director of Water and Energy (Lebanon)

Dr. Teodoro Estrela Monreal, Permanent Technical Secretary of MENBO and Head of the Hydrological Planning Office of the Júcar River Basin Authority (Spain)

Content:

Welcome of Dr. Brito and Dr. Comair.

Dr. Estrela, in his function of Permanent Technical Secretary of MENBO presented the activities of the network in the last twelve months since the last General Assembly in Porto (Portugal) in September 2011, **ANNEX II**.

An overview on the statutory events organised by the Secretariat was given and the outcomes of the last General Assembly have been resumed and approved by the Liaison Bureau.

In the following the structure of the network, with President, Vice-Presidents, Permanent Technical Secretary and Secretariat was explained.

Estrela gave a detailed overview on the activities of the network, with a special focus on the workshop “Tools to support and improve the Integrated Water Resources Management: STRATEAU and AQUATOOL. A Mediterranean Perspective” organised by the Mediterranean Network of Basin Organisations and the Technical University of Valencia in collaboration with the Water Embassy and the kind contribution of the Global Water Partnership Mediterranean that took place the 20th of September 2012 in Valencia (Spain).

Additionally he reported on MENBO’s participation in the World Water Forum VI and the networks involvement in its Mediterranean Cross-Continental Process and the 1st Mediterranean Water Forum.

The date and place for the next General Assembly needs to be confirmed. The Permanent Technical Secretary reminded the participants, that the network is open for proposals from its members regarding this next statutory event.

All participants underlined the important role of MENBO as a tool for cooperation in the Mediterranean region and agreed on the need to search for common and shared project ideas.

Estrela addressed himself especially to the Turkish representatives and hosts to invite them warmly to become members of MENBO.

A dossier with additional information was given to the participants and can be found in **ANNEX III**.








After the EURO-INBO Conference, the Permanent Technical Secretariat of MENBO received the membership application form of the Italian for River Restoration Centre (CIRF), to be approved on the occasion of the next General Assembly.

ANNEX I: Participant list

ANNEX II: Presentation of the Permanent Technical Secretary of MENBO

ANNEXO III: Dossier for participants

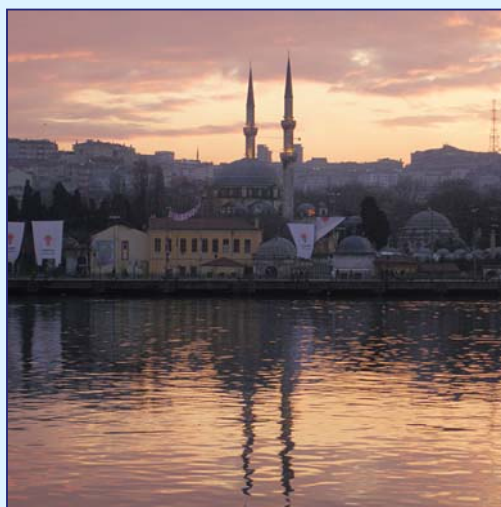
PARTICIPANTS - MENBO Liaison Bureau, 16 October 2012, Istanbul (Turkey)

NAME	SURNAME	ORGANISATION	E-Mail	Signature
1	Cumali Kinaci	General Directorate of Water Management in Turkey	ckinaci@ormansu.gov.tr	
2	Eugenia Mekhtieva	The Regional Environmental Center for the Caucasus	evgenia.mekhtieva@rec-caucasus.org	
3	Nermin GICISU	CEO of Water Management	nercel@ormansu.gov.tr	
4	DANZLER Jean Francois	Head of ERMIS	ff.danzler@wemadad.fr	
5	GUSECE USTA	TURKISH WATER INSTITUTE	gusece-usta@tusien.org	
6	NOVIM OVAINI	Universite Sait ESAT Kocakoglu	novimovaini@isul.edu.tr	
7	EL KHARRIM K Radja	Universite Ibn Tofail Maroc	K_elkharrim@hotmail.com	
8	Antonio Guerrero	Perbergal, MENBO Presidency		
9	Fadi Gouair	DG Water + Energy Lebanon		
10	Teodoro Estrella	MENBO		
11	Karlusina Kobes	MENBO		
12				
13				
14				
15				
16				

MENBO Mediterranean Network of Basin Organisations

REMOB Réseau Méditerranéen des Organismes de Bassin

REMOC Red Mediterránea de Organismos de Cuenca



MENBO Liaison Bureau Istanbul–October 2012



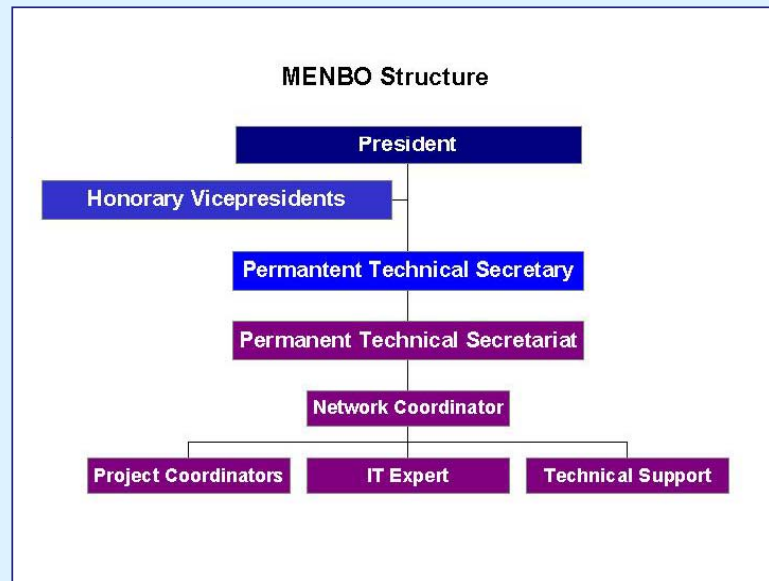
1 AGENDA

- 1) **Opening of the Bureau**
- 2) **Introduction to MENBO**
- 3) **Consideration of the agreements and results of the last MENBO Liaison Bureau and General Assembly in Porto.**
- 4) **Call for new members and observers.**
- 5) **Network progress: Report of the Permanent Technical Secretariat and the Presidency of MENBO**
- 6) **Other topics: announcements, proposals**
- 7) **Closing of the Liaison Bureau**



2 INTRODUCTION TO THE MENBO STRUCTURE

- Presidency
- Permanent Technical Secretariat
- General Assembly + Executive Committee



2 WHO IS WHO



- **PRESIDENT 2011-2013:**
Dr. Manuel Lacerda



- **PERMANENT TECHNICAL SECRETARY:**
Dr. Teodoro Estrela Monreal



2 MENBO STATUTORY EVENTS


MENBO Statutory events (1/2):

1st General Assembly (Constitutive)	11-12 / 11 / 2003	Valencia
Liaison Bureau	26 / 09 / 2004	Krakow
2nd General Assembly (Members)	11 / 10 / 2004	Istanbul
Liaison Bureau	11 / 10 / 2004	Istanbul
Liaison Bureau	23 / 05 / 2005	Marrakech
3rd General Assembly	24-25 / 05 / 2005	Marrakech
Liaison Bureau	28 / 09 / 2005	Namur
Liaison Bureau	17 / 03 / 2006	Mexico City
4th General Assembly (Members)	05 / 11 / 2006	Athens
Liaison Bureau	06 / 06 / 2007	Debrecen
Liaison Bureau	07 / 11 / 2007	Rome
5th General Assembly	08-10 / 11 / 2007	Rome
Liaison Bureau	08 / 07 / 2008	Saragossa
6th General Assembly (Members)	01 / 10 / 2008	Sibiu
Liaison Bureau	16 / 03 / 2009	Istanbul



2 MENBO STATUTORY EVENTS

MENBO Statutory events (2/2):

Liaison Bureau	06 / 10 / 2009	Beirut
7th General Assembly	07-08 / 10 / 2009	Beirut
Liaison Bureau	02 / 05 / 2010	Tarragona
8th General Assembly – MENBO Expert Meeting	02 / 05 / 2010	Tarragona
Liaison Bureau	27 / 09 / 2011	Porto
9th General Assembly	28-30 / 09 / 2011	Porto
 Liaison Bureau	16 / 10 / 2012	Istanbul



2 MENBO STATUTORY EVENTS

MENBO General Assembly and Liaison Bureau in Porto (Portugal), September 2011.

Roundtables on:

- Water and Energy
- Implementation of the WFD in non-EU countries
- Governance in transboundary scenarios
- Adaptation to climate change and extreme phenomena
- River restoration, hydro-morphology and protection of water ecosystems
- 6th World Water Forum Preparation



2 MENBO STATUTORY EVENTS

MENBO Liaison Bureau Meeting and General Assembly

- 254 participants from 46 countries
- New members : ARH Norte (Portugal) and Arno River Basin Authority (Italy). The Land Research Center (Palestine) with observer status.
- Activities and projects realised since the 7th General Assembly in Beirut 2009 were presented.
- MENBO thanked Lebanon and especially Dr. Fadi Comair, General Director for Water and Energy, for his successful MENBO Presidency (2009-2011).
- Dr. Antonio Guerreiro De Brito, in this moment President of ARH Norte (Portugal), was elected new President of MENBO.



3 CONSIDERATION OF AGREEMENTS

Consideration of the agreements and results of the last **MENBO Liaison Bureau Meeting and General Assembly**, celebrated in Porto (Portugal), September 2011.

- Next Liaison Bureau in Istanbul in October 2012.
- Participation in the 6th World Water Forum in Marseille 2012.
- Participation in the Union for the Mediterranean process.
- Approved new members:
 - Arno River Basin Authority, Italy
 - ARH do Norte, Portugal
 - New observer: Land Research Centre, Occupied Palestinian Territories



4 MENBO MEMBERS

The network is always open for new members and observers that need to be approved by the **General Assembly of MENBO**.

⇒ **Currently there are 33 members from 16 different Mediterranean countries**



REMOC / MENBO / REMOB
Current state of recruitment members



OCTOBER 2012



5 NETWORK PROGRESS: MENBO WORKSHOP (1/2)

“Tools to support and improve the Integrated Water Resources Management: STRATEAU and AQUATOOL. A Mediterranean Perspective.”

- Organised by MENBO and Technical University of Valencia (UPV), in collaboration with the Water Embassy and support of GWP-Med and on 20th September 2012 in Valencia (Spain)
- 50 Experts talked about perspectives and application of two tools: AQUATOOL and STRATEAU, technical overview and short demonstration.





5 NETWORK PROGRESS: MENBO WORKSHOP (2/2)

3 Round- Tables:

1. Perspectives and application of the tools in River Basin Organisations.
2. Integrated water resources management in education: STRATEAU and AQUATOOL as examples.
3. Integrated water management tools in the Mediterranean.

Workshop conclusions:

- Indispensable support for the water managers;
- Can play an important role in academic education;
- Special value in the Mediterranean region;
- Facilitate an integrated water resources; exploitation and hydrological planning;
- Both tools could be used complementary;



5 NETWORK PROGRESS ACTIVITIES



World Water Forum VI, Marseille (France), March 2012



- Participation in the **European Regional Process** and co-leader of SERPT 2: Achieve a good ecological status of European water bodies by 2015
- Participation in the Mediterranean Trans-Continental Process





5 NETWORK PROGRESS ACTIVITIES



MENBO co-organised the 1st Mediterranean Water Forum, 19-20 December 2011 in Marrakech (Morocco)

- MENBO is member of the Mediterranean Steering Committee
- Participation in the target group 3.1 on Governance and presentation of **Twinnings as solution for a way to better governance**



5 NETWORK PROGRESS ACTIVITIES

MENBO is an active member of the Mediterranean Steering Committee that:

- Coordinated the Mediterranean Cross-Continental Process and wrote the Mediterranean Regional Document for the WWF VI in Marseille.
- Is responsible for the follow up after the WWF VI and the Mediterranean preparation for the WWF VII in Korea 2015.
- Is considering the creation of a Mediterranean Water Platform.





5 NETWORK PROGRESS: ACTIVITIES

Mediterranean Water Think Tank, November 2011, Monaco



- MENBO participated in the symposium on ***“Territorial governance of water in the Mediterranean: what experience and what solutions for local actors?”***
- Organised by the Prince Albert II of Monaco Foundation



5 NETWORK PROGRESS ACTIVITIES

MENBO is active member of **Global Water Partnership** and **Global Water Partnership-Mediterranean** and member of their Partnership Councils



MENBO participated in the GWP Consulting Partners meeting, in Stockholm (Sweden) August 2012: annual General Meeting of the GWP Network. This year under the topic:

“Water as a catalyst for climate-resilient development”.



5 NETWORK PROGRESS ACTIVITIES

Union for the Mediterranean



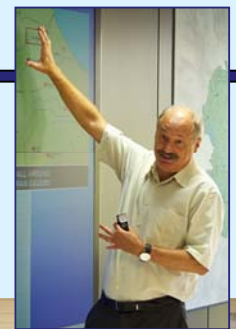
Secretariat of the Union for the Mediterranean
Secrétariat de l'Union pour la Méditerranée

- Observer in all **Water Expert Group Meetings 1-4** of the **Union for the Mediterranean**.
- Participation as observer in the **Euro-Mediterranean Ministerial Conference on Water 2010** and related Preparatory Meetings.



5 NETWORK PROGRESS ACTIVITIES

The Permanent Technical Secretariat of MENBO organised several **Technical Visits** of expert groups, for example from Turkey and Angola, mainly to Spanish RB Authorities.





5 NETWORK PROGRESS ACTIVITIES

Upcoming events:

- **Final Conference STEP-WISE Project and STREAM Project**, 3-4 December 2012 in Brussels: “Building Bridges: Facilitating Water Information Exchange Between Science, Policy and Industry”, follow up of the SPI-Water Project MENBO was coordinating.
- **INBO General Assembly 2013**, in Brazil, dates to be confirmed
- **MENBO General Assembly 2013**, date and place to be confirmed



5 NETWORK PROGRESS ACTIVITIES



NEW PROJECT PROPOSALS

- The network receives constantly proposals for new participation in projects, that are evaluated by the Permanent Technical Secretariat.
- Some project proposals are pending of approval.



6 OTHER TOPICS

Announcements and Proposals



7 CLOSING OF THE BUREAU



**TEŞEKKÜR EDERİM!
MERCİ! THANK YOU! GRACIAS!**



CONTACT

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www.remoc.org

Other web-sites: www.inbo-news.org, www.chj.es



MENBO
Liaison Bureau

Dossier

Istanbul, 16 October 2012





CALL FOR THE MEETING OF THE LIAISON BUREAU

All members of the Liaison Bureau of the Mediterranean Network of Basin Organisations (MENBO) are called to the Meeting of the Bureau, which will be held on the **16th of October 2012, at 15:00**. This meeting will be celebrated in the **Grand Cevahir Hotel & Convention Centre Istanbul (Turkey)**, back to back to the EURO-INBO Conference 2012 on the Implementation of the Water Framework Directive.

AGENDA

- 1) Opening of the Bureau and welcome of the assistants
- 2) Introduction of the Permanent Technical Secretariat of MENBO.
- 3) Invitation to organisations and authorities to express their interest in becoming MENBO members or observers
- 4) Consideration of the agreements and results of the last Meetings of MENBO's Liaison Bureau and General Assembly celebrated in Porto (Portugal) in October 2011.
- 5) Network progress:
 - Report of the Permanent Technical Secretariat of MENBO and the MENBO Presidency
- 6) Call to the next General Assembly
- 7) Other topics: announcements, proposals.
- 8) Closing of the Liaison Bureau

Yours truly,

Permanent Technical Secretariat of MENBO

For further information please contact with: remoc1@remoc.org or +34 963938942



INFORMATION MATERIAL

List of Statutory Meetings of MENBO

Map: Current state of recruitment members

**List of MENBO members, observers and collaborating
international organisations**

Attended meetings and events Oct 2011-Sep 2012

Results of the MENBO workshop

Statutory Meetings of the Mediterranean Network of Basin Organisations



1st General Assembly (Constitutive)	11-12 / 11 / 2003	Valencia
Liaison Bureau	26 / 09 / 2004	Krakow
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REMOC / MENBO / REMOB

Current state of recruitment members



OCTOBER 2012

MENBO MEMBERS AND COLLABORATING INTERNATIONAL
ORGANISATIONS, October 2012



Foundational Members (8)

- | | |
|---------|--|
| ALBANIA | - Agriculture and Food Ministry |
| FRANCE | - International Network of Basin Organisations
- Rhone-Mediterranean-Corsica Water Agency
- Ministry of Ecology |
| SPAIN | - Júcar River Basin Authority
- Tajo River Basin Authority
- Segura River Basin Authority
- General Water Directorate |

Members (25)

- | | |
|------------------------|---|
| BOSNIA AND HERZEGOVINA | - Public Company for Water area of the Adriatic
Sea Catchments |
| CYPRUS | - Water Development Department |
| GREECE | - Water Section-Hellenic Ministry for the
Environment, Physical Planning and Public
Works
- Regional Water Directory of Thessally
- Hellenic Republic, North Aegean Region
- Region of Central Macedonia-Section Water
Resources Management
- Hellenic Republic Region of Attiki
- Region of East Macedonia-Thrace/ Water
Resources Department |
| ISRAEL | - Israel Water Commission |
| ITALY | - Arno River Basin Authority
- Tevere River Basin Authority |
| JORDAN | - Ministry of Water and Irrigation (MWI) |

LEBANON	- Litani River Authority - Ministry of Water and Energy
LIBYA	- General Water Authority
MACEDONIA	- Alliance for Lake Cooperation on Ohrid and Prespa
MORROCCO	- Sebou Water Agency - Loukkos Water Agency - Tensift Water Agency - Oum Er Rbia Water Agency
PALESTINE	- Palestinian Water Authority –PWA-
PORTUGAL	- ARH Norte
SPAIN	- Catalanian Water Agency - Ebro River Basin Authority
TURKEY	- General Directorate of State Hydraulic Works (DSI)

Collaborating International Organisations and Observers (7)

EIC	- Euro-Mediterranean Irrigators Community
GWP-Med	- Global Water Partnership-Mediterranean
IME	- Water Mediterranean Institute
INBO	- International Network of Basin Organisations
IUCN	- Mediterranean Cooperation Center of IUCN
ROMANIA	- Apele Romane, National Administration
PALESTINE	- Land Research Center

**MEETINGS AND EVENTS
MEDITERRANEAN NETWORK OF BASIN ORGANISATIONS
(Oct 2011 – Oct 2012)**



EVENT	DATE	PLACE	COMMENTS
MENBO Liaison Bureau	27/09/2011	Porto, Portugal	All members of MENBO are invited to participate in this meeting.
9th MENBO General Assembly and EURO-INBO Conference.	28-30/09/2011	Porto, Portugal	International Conference on the implementation of the Water Framework Directive and celebration of MENBO's General Assembly. Organised by MENBO and EURO-INBO on the invitation of the Portuguese authorities.
Symposium of the Mediterranean Water Think Tank	10/11/2011	Monaco, Monaco	Symposium on "Territorial governance of water in the Mediterranean: what experience and what solutions for local actors?" organised by the Prince Albert II of Monaco Foundation
Several Mediterranean Steering Committee Meetings		Marseille, France	Steering Committee for the preparation and organisation of the I Mediterranean Water Forum and the Mediterranean Cross-Continental Process for the WWF VI
Launching Workshop of the Sustainable Water Integrated Management Programme - Support Mechanism (SWIM-SM)	7/12/2011	Brussels, Belgium	This launching workshop was organised to: i) provide a forum for the exchange of views on the project's activities; ii) enhance its wide dissemination, and iii) explore possible synergies with relevant on-going projects and initiatives
International Roundtable on Transboundary Waters Management	15-16/12/2011	Zagreb, Croatia	Roundtable on Protection and Sustainable Use of Transboundary Waters in South-eastern Europe.
I Mediterranean Water Forum	19-20/12/2011	Marrakech, Morocco	MENBO was partner of the Steering Committee for the organisation of this event.

VI World Water Forum	12-17/03/2012	Marseille, France	MENBO participated in several events and initiatives, between others in the European Regional Process and the Mediterranean Cross-Continental Process.
Global Water Partnership Consulting Partners Meeting	26/08/2012	Stockholm, Sweden	Annual General Meeting of the GWP Network under the topic: "Water as a catalyst for climate-resilient development".
Workshop: STRATEAU and AQUATOOL	20/09/2012	Valencia, Spain	Tools to support and improve Integrated Water Resources Management: STRATEAU and AQUATOOL
EURO-INBO Conference	17-19/08/2012	Istanbul, Turkey	International Conference on the implementation of the Water Framework Directive and celebration of MENBO's General Assembly. Organised by MENBO and EURO-INBO on the invitation of the Turkish authorities.



**Tools to support and improve Integrated Water Resources Management:
STRATEAU and AQUATOOL.
A Mediterranean Perspective**

**20th of September 2012, 9:00-18:30
Sala de Juntas de Rectorado
Technical University of Valencia (Spain)**

The workshop “**Tools to support and improve the Integrated Water Resources Management: STRATEAU and AQUATOOL. A Mediterranean Perspective**” organised by the Mediterranean Network of Basin Organisations (MENBO) and the Technical University of Valencia (UPV) in collaboration with the Global Water Partnership Mediterranean (GWP-Med) and the Water Embassy took place the 20th of September 2012 in the premises of the UPV in Valencia (Spain).

This event brought together more than 50 experts from the Mediterranean region; amongst them water managers, professors, researchers, students, representatives of water user organisations, private companies and other stakeholders working for well known Mediterranean institutions. This workshop was focused mainly on the applicability of two tools that support the integrated water resources management: AQUATOOL and STRATEAU, developed respectively by the Technical University of Valencia (Spain) and the Water Embassy (France).

All presentations given on the occasion of the workshop can be found and downloaded on the following MENBO website: www.remoc.org.

In a first place **technical overviews** on both tools and demonstrations on their practical application have been given.

Mr. Florent Guibert, representative of Artois Picardie Water Agency in France and a STRATEAU expert, gave an overview on the STRATEAU tool and described it as a “strong computing infrastructure for data transfer” based on a simple hydrological model for academic education, which could be exported to other Mediterranean countries, given the fact that it is free of charge.

STRATEAU is a decision making support tool that considers all relevant data on the terrain: physical, climatic, social, industrial, etc., from country to the regional and municipal level. These data are processed by a server that, once analysed, offers comprehensive water management scenarios.

After a first introduction Mr. Guibert offered an online presentation on the practical functioning and application of the tool.

Further information on STRATEAU is available in French, English and Arabic and can be found under www.ambassade-eau.com/en/STRATAU.

Mr. Abel Solera, member of the Water and Environmental Engineering Institute – Water Resources Engineering Group of the UPV and AQUATOOL expert gave a technical overview on AQUATOOL, a tool for the decision support systems development to facilitate an Integrated Planning and Management of Water Resources. AQUATOOL allows the integrated analysis of quantitative, qualitative, economic and environmental aspects at watershed-scale, also incorporating other aspects such as priorities and management rules. This tool allows gathering all the information in a single application, evaluating multiple alternatives for different scenarios, obtaining exchanges (trade-offs) among the different objectives, sensitivity analysis, and assessing the associated risks. Furthermore it provides the user with multi-objective performance indicators (reliability, resiliency and vulnerability) and environmental requirements indicators. It is a unique and user friendly interface that provides easiness of data management, model use and results analysis.

The tool is available under <http://www.upv.es/aquatool>.

Mr. Javier Paredes member of the Water and Environmental Engineering Institute – Water Resources Engineering Group of the UPV and AQUATOOL expert focused in his presentation on the practical application of AQUATOOL that is actually used in nearly all Spanish river basin authorities, with only few exceptions. On the international scale it is implemented in Argentina, Chile, Italy, Brazil, Algeria, Bosnia, Mexico, Colombia, Brazil, Ecuador, between others and provides most valuable experiences. These applications demonstrate the robustness and the modelling flexibility of the tool. Every module has been designed oriented to consolidate methodologies for water resources systems analysis, many of them developed in the IIAMA of the UPV, or their precursor groups from the Department of Hydraulic and Environmental Engineering of the UPV.

In the following the workshop was organised in **three round tables** on:

- 1 - Perspectives and application of the tools in River Basin Organisations.**
- 2 - Integrated water resources management in education: STRATEAU and AQUATOOL as examples.**
- 3 - Integrated water management tools in the Mediterranean.**

Round table 1: Perspectives and application of the tools in River Basin Organisations.

Participants:

Mr. Teodoro Estrela Monreal, Head of the Hydrological Planning Office Júcar RBA (Spain) and Permanent Technical Secretary of MENBO

Mr. Rui Jose Rodrigues, Deputy Water Director of the Portuguese Environmental Agency (Portugal)

Mr. Ángel García Cantón, Head Hydrological Planning and Studies Department of the Centre for Studies and Experimentation on Public Works (CEDEX) (Spain)

Mr. Bruno Ballesteros, Head of the Valencian regional department of the Geological and Mining Institute of Spain (IGME) (Spain)

Chair: Mr. Francisco Cabezas Calvo-Rubio, General Director of the Euro-Mediterranean Water Institute (IEA) (Spain)

Presentations on concrete implementation of AQUATOOL, STRATEAU and other models.

The speakers stresses the need for a further and intense cooperation and coordination between river basin organisations and the developers of the models (researchers, consulting companies, etc.) and call authorities to further promote investigation programmes in order to further improve the availability of models that are extremely valuable for the decision taking of water managers. Special attention requires the use of these modelling tools when it comes to Spanish hydrological planning, where water allocation is approved by a legal framework (Law or Royal Decree).

The participants also underlined that a continuous use of the models is absolutely necessary **to guarantee their high reliability** and through this facilitate a secure water supply and an optimal decision making process.

Round table 2: Integrated water resources management in education: STRATEAU and AQUATOOL as examples.

Participants:

Ms. Jeannette Pretot, President of the Water Embassy (France)

Mr. Luis Garrote, Technical University of Madrid (Spain)

Mr. David Haro Monteagudo, Student UPV (Spain)

Chair: Mr. Javier Ferrer, Water Commissary of the Júcar RBA (Spain) and former Permanent Technical Secretary of MENBO

The president of the Young Water Ambassadors Organisation, a University professor and a student discussed about the integrated water resources management in education and used AQUATOOL and STRATEAU as examples in an educational milieu.

The experts came to the conclusion that both tools are very useful in education as they permit students to get in contact with a way of supporting the integrated water resources management. Furthermore they explain that those models are in the first place developed for the use by experts but that especially STRATEAU can be also used by non-professionals. Both instruments can serve to demonstrate the consequences of several politics of water resources management to all type of stakeholders.

Round table 3 Integrated water management tools in the Mediterranean.

Participants:

Mr. Miguel Ángel Ródenas Cañada, President of the Segura RBA (Spain)

Ms. Milagros Couchoud, President of Mediterranean Water Institute (IME)

Mr. Javier Ferrer, Water Commissary of the Júcar RBA (Spain) and former Permanent Technical Secretary of MENBO

Mr. Hachmi Kennou, Mediterranean Water Institute (IME)

Chair: Mr. Teodoro Estrela Monreal, Head of the Hydrological Planning Office Júcar RBA (Spain) and Permanent Technical Secretary of MENBO

The participants presented the integrated water management with the support of decision tools using the example of two Spanish River Basin Organisations: Júcar RBA in Valencia and Segura RBA in Murcia and focusing also on their value for the whole Mediterranean Region that suffers extremely from water scarcity and that needs solutions to face this complicated situations.

Final Results

As a final results the participants underlined that it was demonstrated during the workshop that the implementation of tools like AQUATOOL and STRATEAU is an important and indispensable support for the water managers and of special value in the Mediterranean region that is very sensitive to water scarcity conditions and that needs to implement the **most effective water resources management possible**.

They can facilitate integrated water resources exploitation and integrated hydrological planning taking in mind water use accountability, the urban, ecological and socio-economic factors and developments.

Both tools could be used in a complementary way.