

5th BEIRUT WATER WEEK
**Water, energy, food and ecosystems nexus in the
Mediterranean Region: current challenges and future
insights**
22-23 May, 2014
Notre Dame University-Louaize

TENTATIVE AGENDA

DAY 1 :Thursday, 22 May 2014

Venue: Bou Khater Auditorium

09:30 – 10:25

Opening Session

Welcome Statements

- Mr. Souheil Matar, Vice President, Cultural Affairs and Public Relations, NDU(5min).
- Dr. Fadi Comair, Honorary President of Mediterranean Network of Basins Organization (MENBO) (5min).
- Mr. Walter Mazzitti, Steering Committee President, Euro-Mediterranean Information System on know-how in the Water sector (EMWIS) (5min).
- Ms. Chahra Ksia, president of the Center for Arab water Security, League of Arab State (5min).
- Ms. Roula Majdalani, Director of Sustainable Development and Productivity Division ,Economic and Social Commission for Western Asia, ESCWA) (5min)
- Prof. Michael Scoullou, Chairman, Global Water Partnership - Mediterranean / MED EUWI Secretariat (GWP-Med/MED EUWI) (5min)
- Rev Father Walid Moussa, President of Notre Dame University (5min).
- H.E. Dr. Shaddad Attili, Minister of Water, Palestinian Water Authority (5min)
- H.E Mr. Henri Jibrayel, Député des Bouches-du-Rhône, Président du Groupe d'amitié France-Liban (5min)
- H.E. Mr. Arthur Nazarian, Lebanese Minister of Energy and Water (to be confirmed) (5min).
- 5th Beirut Water Week Award: Mr. Mohamad Fawaz, Former Director General of Hydraulic and Electric Equipments (Water Management Award) Mr. Antoine Salame, Former Head of Service of Studies in Litani River Authority, Consultant GICOME (Water Infrastructure Award), (5min)

10:25 – 10:45

Coffee Break

Continued DAY 1 : Thursday, 22May 2014

Theme 1: Water, Energy, Food and Ecosystems Nexus at National and Transboundary Level:
Venue: Bou Khater Auditorium

10:45 – 11:30 New Policy approaches towards resource efficiency

Chairperson: Mr. Walter Mazzitti, Steering Committee President, Euro-Mediterranean Information System on know-how in the Water sector (EMWIS)(5min)

- Révision de la stratégie méditerranéenne de développement durable (10min)

(Mr. Hugues Ravenel, Director of Plan Bleu)

- Du local au régional: l'interdépendance Eau/Energie/Agriculture dans la gestion des eaux souterraines (10min)

(Mr. Alexandre Taithe, Charge de recherche, Fondation pour la recherche stratégique, Representative to the World Bank's Multi-Donor Trust Fund)

- Mapping the Nexus within the context of Sustainable Development: A Global and Regional Perspective.(10min)

(Mr. Dony El Costa, Economic Affairs Officer, Sustainable Development and Productivity Division ,Economic and Social Commission for Western Asia, ESCWA)

- Are Lebanon's Institutional Framework and Public Policies Ready for the Water-Energy-Food Nexus - An analysis of the current situation. (10min)

(Nadim Farajalla, PhD, Faculty Research Director, Climate Change and Environment in the Arab World Program, Issam Fares Institute for Public Policy and International Affairs, American University of Beirut)

11:30 – 11:40 Discussion

11:40 – 11:50 Coffee Break

11:50 – 12:55 New Policy approaches towards resource efficiency (continued)

Chairperson: H.E. Dr. Shaddad Attili, Minister of Water, Palestinian Water Authority (5min)

- Implementation of the Water-Energy component in Lebanon – Costs and Benefits (10min)

(Dr. Elias Ghabban and Dr. Nadim Farajalla, American University of Beirut)

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- Water and Energy Linkage in the Arab Region (10min)
 - **(Eng. Khaldon Khashman, Director of Arab Countries Water Utilities Association , ACWUA)**
 - Achievements of the SWIM-ACLIMAS project in Lebanon.(10min)
(Dr. Marie Therese Abi Saab, PhD, National Scientific Coordinator, Lebanese Agriculture Research Institute)
 - An integrated modeling approach for assessing the impact of climate change on the water, energy, food and ecosystems nexus (10min)
(Ms. Renalda El-Samra, PhD Candidate – AUB)
 - Towards Improving Water Sector in Lebanon - Civil Society Approach - Civic Influence Hub (10min)
(Dr. Nizar Al Awar, Project Manager at Civic Influence Hub - CIH)
 - La pisciculture et les barrages – Application barrage de Chabrouh, (10min)
(Eng. Samir Faysal Chef du Dept des Barrages– Libanconsult AGM)

12:55 – 13:05

Impact of conflicts and mass population movements

- Impact of Syrian refugees on the Water Resources Management in Lebanon (10min)
(Dr. Fadi Comair, Honorary president of MENBO).

13:05 – 13:15

Discussion

13:15 – 14:45

Lunch Break

Theme 2: Water Financing and Economics

Chairperson:

Prof. Michael Scullios, Chairman, Global Water Partnership - Mediterranean / MED EUWI Secretariat (GWP-Med/MED EUWI)

14:45 – 15:35

Public Private Partnership

- Possible Impacts of Decentralization and PPP Financing on Energy and Water Project Development.(10min)
(Mr. Shadi A. Karam, Advisor to the President of the Republic of Lebanon)
- Possible financing structures and conditions for PPP (10min).
(Mr. Samir Nasr, Consultant ECE)
- Title to be provided (10min)
(Mr. Thouvenel, Société RAZEL-BEC)

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- UfM Project on Water Governance and Financing . (10min)

(Ms. Anthi Brouma, Senior Programme Officer, GWP-Med)

- The EU funded project SWIM and its contribution to financing water infrastructure in the South Mediterranean” (10min)

(Mr. Charbel Rizk, Key Environment Expert, SWIM-SM)

15:35 – 15:45 Tariffication

- Tariffication strategy in the water sector in Lebanon (10min).

(Mr. Roger Melki, Economist – Consultant)

15:45 – 15:55 Discussion

15:55 – 16:05 Coffee break

Theme 3: Non-Conventional Water Resources: within IWRM context

Chairperson: Général. Alain Lamballe, spécialiste de l'Asie du sud. Directeur de recherche au Centre Français de Recherche sur le Renseignement

16:05 – 16:25 Water Transfer

- Massive water transfers : national and international impacts (10min)

(Général. Alain Lamballe, spécialiste de l'Asie du sud. Directeur de Recherche au Centre Français de Recherche sur le Renseignement)

- The Litani River Basin: enough water for all of Lebanon?” (10min)

(Mr. Eric Viala, Senior Water Manager, AECOM)

16:25– 16:40 Seawater Springs

- L’histoire de la résurgence de Kiveri et de sa mise en exploitation autant que de sa productivité. (15min).

(Mr. Nicolas REMY-HURST Beterson Water International)

(Prof. Pissias Evangelos, Professor at Athens Institution of Technological, Education, Water Resources Management Technology Transfer)

16:40 – 16:50 Mobilisation of additional resources for demand management (New Water Mass)

- New Water Mass for Hydrodiplomacy: Red-Dead Sea Project (10min)

(Dr. Fadi Comair, Honorary President of MENBO)

(Prof. Michael Scoullou, Chairman, Global Water Partnership - Mediterranean / MED EUWI Secretariat (GWP-Med/MED EUWI)

16:50 -17:00 Discussion

End of Day 1

DAY 2: Friday, 23 May 2014, Venue: Bou Khater Auditorium

Continued Theme 3: Non-Conventional Water Resources: within IWRM context

Chairperson: Mr. Hugues Ravenel, Director of Plan Bleu

09:30 – 10:10 Water reuse for Agriculture and Artificial Recharge Aquifers

- Efficient Use of Water in Agriculture (10min)

(Prof. Musa N. Nimah, American University of Beirut /FAFS)

- Comparison of various technologies for full scale reclamation water plants (10min)

(Mr. Nicolas Hasbani, VEOLIA)

- Climate Change: Implications on Water-Related Diseases and Adaptation Options (10min)

(Dr. Sophia Ghanimeh, Assistant Professor – Department of Civil and Environmental Engineering - Notre Dame University)

- Special situation related to Wastewater plans and water reuse in Lebanon (10min)

(H.E Adel Cortas and Dr. Fadi Comair, presented by Mr. Salim Kreidy, Les Amis de l'Eau)

10:10 – 10:20 Discussion

10:20 – 10:30 Coffee break

10:30 – 11:10 Water reuse for Agriculture and Artificial Recharge Aquifers (continued)

- Promoting Sustainable and Integrated wastewater treatment and re-use in the South Mediterranean: an overall view of interventions undertaken in the framework of the EU funded project SWIM” (40min)

(Mr. Charbel Rizk, SWIM-SM Key Environment Expert)

(Mr. Ismael Nouns, Technical Advisor, GIZ Jordan – SWIM Sustain Water MED project)

(Mr. Andrea De Angelis, Team Leader, Italian Ministry of the Environment, Land and Sea – SWIM I-MPROWARE)

11:10-11:30 Discussion

11:30 – 11:50 Rainwater Management and Grey Water Reuse

- Low cost rainwater storage ponds made with ferrocement. **(10min)**

(Mr. Boghos Ghougassian, Environmental Engineer, President of Lebanese Appropriate Technology Association, LATA)

- Contributing to local water security through rainwater harvesting and grey water reuse: cases from Mediterranean Islands **(10min)**

(Ms. Konstantina Toli, Programme Officer, Global Water Partnership-Mediterranean, GWP-MED)

11:50 – 12:00 Discussion

Theme 4: Innovative Scientific and Technological Tools and Methodologies:

Chairperson: Mr. Pierre Roussel, President of International office for Water (OIEau)

12:00 – 12:45 Approaches for Hydrodiplomacy and Managing Transboundary water Resources

- Introduction for the ICT Project for an integrated and sustainable management of natural resources in Lebanon **(10min)**

(Dr. Fadi Comair, Honorary President of MENBO)

(Prof. Michael Scoullas, Chairman, Global Water Partnership - Mediterranean / MED EUWI Secretariat (GWP-Med/MED EUWI)

- ICT for an integrated and sustainable management of natural resources in Lebanon: a challenging project supported by the Italian Ministry of Foreign Affairs **(10min)**

(Prof. Maurizio Martellini, Director of Insubria Center on International Security -ICIS , professor at University of Insubria, Italy)

- ICT for improved water planning and management of the Orontes river basin in light of climate variability and change **(15min)**.

(Dr Simone Sala, project technical coordinator and GeoLab research fellow, Eng. Giovanni Formentin, GeoLab consultant and Dr. Bianca Dendena, Fondazione Feltrinelli Research Fellow for LabEXPO GeoLab consultant)

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- To be provided (10min).

(Dr. Antoun Gergi Hindy, Assistant Professor, Business and Economics School, Lebanese University, Lecturer, at Business School, Antonine University (UPA), Lebanon)

12:45 – 13:00 Discussion

13:00 – 14:30 Lunch break

14:30 – 15:20 Spatial Observation of water and Environmental systems

- A decision support system for drought monitoring (15min).

(Dr Ghaleb Faour, Director National Center for Remote Sensing)

- Remote sensing to track changes in lake water quality and quantity (10min)

(Ms. Liza Sara Deutsch, PhD candidate – AUB)

- A remote based sensing approach for hydrologic modeling of river basins (15min).

(Eng. Abbas Fayad, PhD candidate Universite Toulouse III- France)

- River Restoration: Concept, Methods, Potentials for Lebanon (10min)

(Mr. Hussam Hawwa, founder of Difaf - for natural water systems)

15:20 – 15:30 Discussion

Continued DAY 2 Friday, 23 May 2013

Venue: Bou Khater Auditorium

Theme 4: Innovative Scientific and Technological Tools and Methodologies

15:30 – 16:00 Promoting Interlinks between Integrated Coastal Zone Management and Integrated Water Resources Management

Chairperson: Prof. Michael Hayek, Dean of the Faculty of Engineering-NDU

- Development of a groundwater quality index for managing seawater Intrusion in coastal aquifers (15min)

(Ms. Marlene Ann Tomasziewicz, PhD candidate – AUB)

- Integrating the Integrated: Synergizing IWRM with ICZM (15min)

Prof. Michael Scoullou, Chairman, Global Water Partnership - Mediterranean / MED EUWI Secretariat (GWP-Med/MED EUWI) (15min)

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- 16:00 – 16:20** **Towards the 7th World Water Forum (12-17 April 2015, Korea)**
- Prof. Michael Scoullos, Chairman, Global Water Partnership - Mediterranean / MED EUWI Secretariat (GWP-Med/MED EUWI) (15min)**
- 16:20 – 16:30** **Discussion**
- 16:30 – 16:40** **Coffee Break**
- 16:40 – 17:15** **Closure and Recommendations:**
Closing Speech: Honor Guest, H.E Mr. Henri Jibrayel, Général. Alain Lamballe, H.E. Dr. Shaddad Attili,
- 5th Beirut Water Week Declaration:**
Dr. F.Comair(MENBO), Prof. M. Hayek, Prof. M. Scoullos (GWP), Mr. W. Mazzitti (EMWIS), Mr. P. Roussel (OIEau)