



6th Beirut Water Week

After Cop-22: What governance for the Water-Energy-Food Nexus?

27 - 29 March 2017

Venue : Hôtel Le Royal Dbayé

Organised under the auspices of H.E Mr. Cesar Abi Khalil, Lebanese Minister of Energy and Water, by the Directorate General of Hydraulic and Electric Resources and the Mediterranean Network of Basin Organizations (MENBO)

In collaboration with :

EU, MENBO-INBO, OIEau, GWP MED, BeWater Project, EMWIS

Ministry of Foreign Affairs and Emigrants, Ministry of Defense,

Ministry of Finances, the Water Academy, FAO, ESCWA, the French Embassy, UfM,

UNESCO, LCEC, Arab League, ECE Conseil, World Bank, Rotary, FRS, Eau de Marseille,

World Water Council, Lebanese University, Lille University, AUB, Académie d'Ethique

CNRS, Liban-Consult, Bureau Veritas, Socotec, EDF, Egis Eau, Water Friends

Mai Resources International, International Water Bank

Guests of Honor:

Mr. Olivier Cadic, Senator representing French citizens abroad

Mr. Miguel Ángel Moratinos, Former Minister, President of the Political Orientation Committee of IPEMED, Professor at Sciences Po, Paris

Me. Nasser Nasrallah, Former member of the Lebanese Parliament, Former Director General of the Litani River Authority, President of Ibrahim Abd El Al Foundation for Sustainable Development

Mr. Brice Lalonde, Former Minister, President of the Water Academy

Mr. Jean-louis Guigou, President of IPEMED

Mr. Rizk Freiha, Former Director General of Beirut Water Authority

Mr. Loïc Fauchon, Honorary President of the World Water Council,

M. Pierre Roussel, President of OIEau

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After Cop-22: What possible governance for the nexus Water-Energy-Food?

Programme

Day 1 : Monday, 27 March, 2017

9:00-9:30 Registration	
09:30–10:15 Discours d'ouverture	Mr. Fadi Comair , Director General of Hydraulic and Electric Resources, Honorary President of MENBO.
	Mr. Hamed Alhamami , UNESCO Representative in Lebanon Director, UNESCO Regional Bureau for Education in Arab States (tbc)
	Dr. Joseph Torbey , President of Association of bank in Lebanon
	Mr. Loïc Fauchon , Honorary President of the World Water Forum and President of the Société des Eaux de Marseille
	H.E Ms Christina Lassen , Head of the Delegation of the European Union to Lebanon (tbc)
	Mr. Olivier Cadic , Senator representing the French citizens abroad
	S.E M. M'hamed Grine , Ambassador of Morocco in Lebanon.
	H.E Mr. Emmanuel Bonne , Ambassador of France in Lebanon (tbc).
10:15–11:15 : Opening Round Table Climate change adaptation policies: a governance issue	
<i>Moderator : Ms. Marie-France CHATIN, Rfi</i>	
Mr. Pierre Roussel , President of OIEau.	
Mr. Maurice Saadé , FAO representative in Liban.	
Ms. Rola Majdalani , Director of the Sustainable Development Department (ESCWA).	
Prof. Michael Scoullou , Team Leader SWIM-Horizon 2020 SM.	
<i>Opening conclusions</i>	

11 :15-11 :45 : Guest speaker	Opening speech
	<i>H.E Mr. Miguel Ángel Moratinos, Former Minister, Professeur at SciencesPo, Paris.</i>
	<i>Distribution of Trophies by H.E M. Cesar Abi Khalil for Guest Speakers</i>
11:45 –12:00 Break	
12:00–12:40 Session 1	
The role of the State in the implementation of public climate change adaptation policies	
Moderator: Mr. Jacques Devèze, Vice-president of W-smart	
Themes	Hydroelectricity in NREAP in Lebanon: the 2020 objectives, Mr. Joseph Al Assad , Ministry of Energy and Water.
	Legal and administrative Barriers to the development of National hydropower market in Lebanon, Mr. Karim Osseiran , Ministry of Energy and Water.
	Applications and Benefits of Solar Water Pumping for the Agricultural Sector in Lebanon, Ms. Majida Mcheik , Ministry of Agriculture.
Discussion : 10 minutes	
12:40–13:30 Session 2	
The role of regional and UN organizations: strengthening cooperation among countries to optimize management	
Moderator: HE. Mr Adel Cortas, Former Minister, President of the Friends of Water. Mr. Pierre Roussel, President of OIEau, Guest Speaker	
Themes	The East-Mediterranean Sustainable Development Observatory: Shared Eco-Risk Assessment Platform, Mr. Alexandros Makarigakis , UNESCO.
	A critical review of hydraulic organizations and institutions in the Near East and North Africa, H.E Mr Adel Cortas , Former Minister, President of the Friends of Water.
	FAO Initiative on Water Scarcity in the Middle East and North Africa, Mr. Maurice Saadi , representative of Food and Agriculture Organisation (FAO) in Lebanon
	Climate Change Adaptation Planning at Basin Level : Lessons from the BeWater Project, Mr. Vangelis Constantianos , Executive Secretary, GWP-Med)
Discussion (10min)	
13.30-15 :00 Lunch	
15 :00 – 16 :00h Session 3	
Dialogue on Governance and Financing of Water Projects: Private Sector Participation and Role of Banks in Investments	
<i>Session organised by the UfM/Sida project Governance & Financing for the Mediterranean Water Sector & the EU regional project SWIM-Horizon 2020 Support Mechanism</i>	

Moderators: Mr. Fadi Comair, Director General of Hydraulic and Electric Resources & **Prof. Michael Scoullou**, Team Leader SWIM-Horizon 2020 SM

Part I: Facilitating private sector participation for financially viable and socially acceptable investments in the water sector

- **Mr. Almotaz Abadi**, Union for the Mediterranean (10 ')
- **Ms. Anthi Brouma**, Head of MENA, GWP-Med, Enhancing Private Sector Participation (PSP) in the Lebanese water sector: findings from the National Assessment and multi-stakeholder dialogue carried out in 2010 and its 2017 update. Further insights from other National Dialogues in the MENA region (20 ')
- **Ms. Anja Nordlund**, External Advisor to the Governance and Financing Program Social Aspects of PSP: Why and How (15 ')

Discussion (15min)

16 :00-17 :30

Session 3 - Part II

Experiences from inside and outside the water sector and start-up with potential demonstration projects: funding opportunities

Moderator : Mr. Rachad Shawa, CEO, MAI Resource International & **Prof. Michael Scoullou**, Team Leader SWIM-Horizon 2020 SM

Themes	BDL support to environmental projects for energy and water conservation, Mr. Mazen Halawi , Central Bank of Lebanon, BDL
	Mr. Ziad Hayek , Secretary General of the Higher Council for Privatisation (tbc)
	Concession Experiences in the production and distribution of Electricity. are they applicable to water sector, Mr. Ghassan Beidoun , Director General of Exploitation, Ministry of Energy and Water
	Dr. Khater Abi Habib , Chairman of the Board of Directors of Kafalat
	Mr. Nassib Ghobril , Head of Research and Economic department, Byblos Bank .
	Mr. Gaby G. Kassis , General Manager, Bank Audi
	Mr. Samir Nasr , President of ECE Conseil
	Mr. Jamil Mouawad , President of Rotary Water Commission .
Film projection, Mr. Rachad Shawa , Chairman of the Founders Committee & Vice Chairman of the Advisory Board of the International Water Bank , MAI International	

Discussion (15 min)

17 :30-18 :00 : Conclusions (30')

Keynote speakers, Mr. Salim Sfeir (tbc), President Director General of Bank of Beirut
Prof. Michael Scoullou, **M. Samir Nasr**, **Dr. Khater Abi Habib**

Day 2 : 28 March, 2017

09:30–10:30 Opening Round Table	
Securing water-energy-food resources: taking into account geopolitical conflicts	
Opening speech, <i>H.E Mr. Brice Lalonde, Former Minister, President of the Water Academy, Guest of Honor</i>	
Moderator (10min) : Mr. Fadi Comair, Honorary President of MENBO Recommendations of the 2nd edition of the Colloquium at the French Senate on 13 December 2016: Hydrodiplomacy and Climate Change for Peace in the Middle East: Case of the Jordan Basin	
Themes	General Elias Hanna , Master of Geopolitical Conference (NDU, AUB)
	Mr. Xavier Guilhou , Director of XAG Cabinet, Council Specialized in Risk Prevention, Crisis Management and Strategic Intelligence.
Discussion (10 min)	
10 :30-11 :40 Session 4	
Hydro-Diplomacy for the Security of Transboundary Basins	
Moderator (10min) : H.E Ambassadeur Saad Zakhia , Ambassador of Lebanon, Director of the Center for Legal Studies, Research and Documentation, Ministry of Foreign Affairs and Emigrants of Lebanon.	
Themes	The demarcation of the Lebanese-Palestinian borders and its links to water security, Brigadier General PSC Antoun Mourad , Head of the Bureau of Public Studies at the Directorate of Intelligence
	Management of transboundary basins: Concept of Cooperation or hegemony, Mr. Fadi Comair , Director General of Hydraulic and Electric Resources.
	Case study on Water and Energy: the internal and transboundary consequences of the mutations of Turkana, Kenya, Mr. Alexandre Taithe , Researcher at the Strategic Research Foundation.
Discussion and Conclusions	
<i>Mr. Jean-louis Guigou, President of IPEMED, Guest of Honor</i>	
11 :40-12 :00 Break	
12:00-13:00 Session 5	
Vulnerability of Hydraulic infrastructures: Prevention, control and security	
Moderator : Mr. Jean –Marc Farrugia , Director of the Middle East, Egis Eau.	
Themes	Intervention and rehabilitation following a malicious act: the case of Chabrouh, Mr. Georges Rizk , Ministry of Energy and Water, and Mr. Samir Faysal LibanConsult .
	Feedback from 50 years of KARIBA dam monitoring and rehabilitation (Zimbabwe-Zambie): lessons learned from this project. M. Luc Vauloup , Dam Expert, Tractebel' – Coyne et Bellier .


	Water-tightness of the basins and technical-financial analysis, Mr. Herve Lainé , President of the Academy of Ethics.
	Auscultation of the Dams of the Hydraulic Park of EDF, Mr. Christophe Le Verger , Head of Department, EDF-DTG.
	Approach for the control of hydraulic infrastructures: SOCOTEC experience, Mr. Hafid TABET : Director of the Hydraulic Works Department, Expert in Dams and Hydraulic Works SOCOTEC Infrastructure, France.
Discussion (10min)	
13:00-15:00 Lunch	
15:00-16:30 Session 6	
Technology Tools and Water Information Systems for Climate Change Adaptation	
Moderator: Ms. Mona Fakih, Mr. Mutasem El-Fadel et Mr. Fadi Hage-Chehade	
Themes	Mediterranean Platform for Water Knowledge: first lessons on water information systems, Mr. Eric Mino , EMWIS.
	Evaluation of Chlorophyll-a Concentration Using Landsat Operational Landscape Imagery in Lake Qaraoun Mr. Ali Fadel , CNRS.
	Use of remote sensing to monitor changes in water quality and storage volume in a semi-arid eutrophic reservoir, Mrs. Elyza Deutsch, Mr. Ibrahim Alameddine, Mr. Mutasem El-Fadel .
	Smart Water: Large scale demonstrator of the smart water system for leak detection, M. Elias Farah, M. Isam Shahrour , Laboratory of Civil Engineering and Geo-Environment, University of Lille, France.
	Smart Water: Large scale demonstrator of the on-line water quality control, Ms. Christine Saab, Mr. Issam Shahrour, Mr. Fadi Hage-Chehade , Lebanese University, EDST, Laboratory of Civil Engineering and Geo-Environment, University of Lille, France.
	How conformity assessment in its many forms can contribute to sustainable water usage in the middle east region, Mr. Hanna Jabour , Chief Executive, Bureau Veritas, Kingdom of Saudia Arabia.
	New Water Information System by UNESCO, Mr. Youssef Filali-Meknassi, Programme Specialist, Section on Ecohydrology, Water, Quality and Water Education, UNESCO
Discussions (10min)	
16:30-17:00 : Conclusions	
Mr. Olivier Cadic, Mr. Brice Lalonde, Mr. Fadi Comair, Mr. Pierre Roussel	

Day 3 : 29 March, 2017


10:00-16 :00 Technical Visit

10:00-13 :30	Chabrouh Dam
13:30-16:00	Lunch
16:00	Return to the Hotel « Le Royal Dbayé »







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