



## 7<sup>th</sup> Beirut Water Week

Mediterranean contribution to the agenda 2030 for a sustainable Development

8 - 10 April 2019

Venue : Hôtel Le Royal Dbayé

**Organised under the auspices of H.E Ms. Nada Boustani Lebanese Minister of Energy and Water, by the General Directorate of Hydraulic and Electric Resources**

### **In collaboration with :**

**EU, World Water Council, MENBO, INBO, OIEau, GWP Med, EMWIS**

**Ministry of Foreign Affairs and Emigrants, Central Bank,**

**Académie de l'Eau, Académie des Sciences d'Outre-Mer  
AFD, FAO, ESCWA, French Embassy, UfM,**

**UNESCO, LCEC, UNECE, World Bank, Eaux de Marseille,**

**ICBA, ESRI, International WaterManagement Institute**

**Lebanese University, American University of Beirut,**

**LibanConsult, Bureau Veritas, EDF,APAVE, Artelia, Rotary Club, Amis de l'Eau**

**International Water Bank, MAI Resources, Green Globe**

***Distribution of Trophies by H.E Ms. Nada Boustani for Guests of Honor :8<sup>th</sup> of April 2019***

<b>Mr. Loïc Fauchon</b>	<b>President of the World Water Council</b>
<b>H.E Ms. Christina Lassen</b>	<b>Ambassador, Head of European union Delegation to Lebanon</b>
<b>H.E. Mr. Nasser Kamel</b>	<b>Secretary General of Union for Mediterranean</b>
<b>H.E Dr. Mohamed Abdel Ati</b>	<b>Minister of Water Resources and Irrigation – Egypt</b>
<b>H.E Prof. Jacques Ganoulis</b>	<b>Special State Secretary for Water, Ministry of Environment &amp; Energy, Greece</b>
<b>H.E Dr. Hasan Al-Janabi</b>	<b>Ambassador, Former Minister of Water Resources, Iraq</b>
<b>H.E Mr. Shaddad Attili</b>	<b>Minister at Negotiation Department, Former Minister of Water, Palestine</b>
<b>Mr. Maurice Saade</b>	<b>representative of Food and Agriculture Organisation (FAO) in Lebanon</b>
<b>Mr. Rachad Shawa</b>	<b>Chairman of the Founders Committee &amp; Vice Chairman of the Board, International Water Bank. Chairman of MAI ( Switzerland) AG.</b>

## *Distribution of Trophies by Dr. Fadi Comair for Guests of Honor: 9<sup>th</sup> of April 2019*

<i>Mr. Eric Tardieu</i>	<i>Secretary General of INBO</i>
<i>Eng. Mona Fakih</i>	<i>Director of Water, Ministry of Energy and Water</i>
<i>Dr. Fadi Hage Chehade</i>	<i>Professor at Lebanese University</i>
<i>Dr. Issam Shahrour</i>	<i>Director of civil engineering laboratory &amp; Geo-Environment, University of Lille, France</i>
<i>Prof. Mutasem El-Fadel</i>	<i>Professor at American University of Beirut</i>
<i>Ms. Haifa Dia Al-Attia</i>	<i>Former Chief Executive Officer of the Queen Rania</i>
<i>Ms. Mona Kanaan</i>	<i>Founder and member Rotary Club Beirut Cedars</i>
<i>Ms. Shermine Dajani</i>	<i>Owner &amp; CEO, Panmed Energy</i>
<i>Mr. Ramiro Martinez</i>	<i>General Coordinator of MENBO</i>
<i>Mr. Olivier Ray</i>	<i>Director of AFD in Lebanon</i>
<i>Mr. Hachmi Kennou</i>	<i>Executive Director of the Mediterranean Institute of Water</i>
<i>Mr. Pierre Houry</i>	<i>Director, LCEC</i>
<i>Ms. Natacha Rein Holtz</i>	<i>Medurable</i>

## 7<sup>th</sup> Beirut Water Week

8 - 10 April 2019

Mediterranean Contribution to the Agenda 2030 for a Sustainable  
Development

### Program

#### Day 1 : Monday, April 8, 2019

<b>9:30-10:00</b> <b>Registration</b>	
<b>10:00–11:00</b> <b>Opening Ceremony</b>	<b>Mr. Fadi Comair</b> , Director General of Hydraulic and Electric Resources.
	<b>H.E. Mr. Nasser Kamel</b> , Secretary General of Union for Mediterranean
	<b>H.E Prof. Jacques Ganoulis</b> , Special State Secretary for Water, Ministry of Environment & Energy, Greece
	<b>H.E Dr. Mohamed Abdel Ati</b> , Minister of Water Resources and Irrigation - Egypt
	<b>Mr. Loïc Fauchon</b> , President of the World Water Council
	<b>H.E Ms. Christina Lassen</b> , Ambassador, Head of European union Delegation to Lebanon
	<b>H.E Ms. Nada Boustani</b> , Minister of Energy and Water, Lebanon
<b>11 :00-11 :15</b> <i>Distribution of Trophies by H.E Ms. Nada Boustani for Guests of Honor</i>	
<b>11:15 –11:30</b> <i>Coffee Break</i>	
<b>11:30–13:00 Session 1</b> <b>Hydrodiplomacy as a concept for shared water Management at Basin Level</b>	
<b>President:</b> <i>H.E Ms. Nada Boustani, Minister of Energy and Water, H.E Dr. Mohamed Abdel Ati, Minister of Water Resources and Irrigation - Egypt</i>	
<b>Topics</b>	<b>H.E Dr. Hasan Al-Janabi</b> , Ambassador, Former Minister of Water Resources - Iraq
	<b>H.E Dr. Hussein El-Atfy</b> , Secretary General, Arab Water Council (AWC)
	<b>H.E Mr, Shaddad Attili</b> , Minister at Negotiation Department, Former Minister of Water in Palestine
	<b>Mr. Fadi G. Comair</b> , Director General of Hydraulic and Electric Resources
<b>Projection of the Film, produced by the Ministry of Energy and Water, Directorate General of Hydraulic and Electric Resources, entitled :</b> <b><i>“Water and Food Security: Sustainable Approach for Future Demands in Lebanon</i></b>	

**13.00-14:30 Cocktail Lunch**

**14:30–16:15 Session 2**

**Role of Governance for sustainable and integrated river basin management**

**President:** *H.E Prof. Jacques Ganoulis, Special State Secretary for Water, Ministry of Environment & Energy, Greece*

**Moderator:** *Mr. Pierre Roussel, Honorary President of OIEau*

**Topics**

**L'expérience Béninoise en matière d'accès universelle à l'eau potable, notamment en milieu rural**, Mr. Sylvian A. Migan, Director General of National Agency of potable water in rural Areas, BENIN

**Water Diplomacy – Sustainable Water, Sustainable Societies**, Dr Martina Klimes, Advisor, Water and Peace, Stockholm International Water Institute (SIWI).

**Gouvernance et Gestion Intégrée à la Méditerranée**, Mr. Ramiro Martinez, General Coordinator of MENBO

**River Basin Planning Principles: Procedures and Approaches for Strategic Basin Planning**, Mr. Eric Tardieu, Secretary General of INBO

**La Gouvernance de l'Eau des Bassins Transfrontaliers: Principes Généraux pour une Médiation réussie**, Ms. Michèle Guillaume Hofnung, Professor, Director of. Institute de Médiation, University Paris 2

**Situation Conflictuelle sur le Bassin du Nil: qu'en est-il de la Médiation ?**, Ms. Christelle Comair, Science Po, Paris, PhD Médiation.

**Film d'animation par l'Agence de l'eau Rhône Méditerranée Corse : Une nouvelle gestion des rivières arrive à l'heure de la Gestion des milieux aquatiques et prévention des inondations (Gemapi)**,

**Governance best practices: top-down / bottom-up approach in the Mediterranean region**, Mr. Hachmi Kennou, Executive Director of the Mediterranean Institute of Water

**Closing Keynote Speaker: Moderator:** *Mr. Pierre Roussel, Honorary President of OIEau*

**Discussion (10min)**

**Projection of film International Water bank**

**Presented by Mr. Rachad Shawa, Chairman of the Founders Committee & Vice Chairman of the Board, International Water Bank. Chairman of MAI (Switzerland) AG.**

**16:15-16:30 Coffee Break**

**16 :30-18:00 Session 3**

**Technological tools: innovative solution for River Basin Water Resources management**

**President:** *Mr. Eric Tardieu, Secretary General of INBO*

**Moderator** *Dr. Fadi Hage Chehade, Professor at Lebanese University*

**Topics**

**Drought Monitoring and Assessment**, Dr Rachael McDonnell, Principal Scientist – water policy and governance, ICBA.

	<p><b>Water accounting in MENA region: from concept to applications for sustainable water management- Australian experience</b> ”Dr. Amgad Elmahdi, Head of MENA Region, International water Management Institute (IWMI).</p>
	<p><b>'International Water Governance Mechanisms for Development and Water Resources Management'</b> Dr. Michael, R. Van Der Valk, Director General, International Hydrology &amp; Water Resources, Netherland.</p>
	<p><b>DSS for Nahr Elkelb River Basin</b>, Ms. Mona Fakhri, Director of Water, General Directorate of Hydraulic and Electric Resources, Ministry of Energy and Water</p>
	<p><b>Impact du changement climatique sur la gestion intégrée des bassins versants : méthodologie, étude de cas, exemple d'étude prospective</b>, M. Xavier TOUFFUT, Bureau Veritas</p>
	<p><b>Smart Water: A comprehensive solution for an efficient management of Water Cycle</b>, Prof. Isam Shahrour, Director of civil engineering laboratory &amp; Geo-Environment, University of Lille, France(LGCgE).</p>
	<p><b>ESRI Smart Water Solution</b>, Ms. Suzanne Timani Takieddine, Senior Account Executive   Global Water Practice, ESRI.</p>
	<p><b>Digital Water Management: Delivering Business Efficiency in Planning, Operation &amp; Maintenance</b>, Mr. Bilal Abou El-Hassan, Senior Director, Energy &amp; Utilities, Mr. <b>Charbel Diab</b>, Manager, Water Segment Energy &amp; Utilities SI, Khatib &amp; Alami'</p>
	<p><b>Manuel des systèmes d'information sur l'eau administration, traitement et exploitation des données sur l'eau</b>, Mr. Pierre Roussel, Honorary President of OIEau.</p>
<p><i>Closing Keynote Speaker: Dr. Fadi hage Chehade, Professor at Lebanese University</i></p>	

**18:00-18:30 : Wrap up of 1st day of the 7<sup>th</sup> Beirut Water Week, Mr. Hachmi Kennou, Executive Director of the Mediterranean Institute of Water**

## **Day 2 : April 9, 2019**

**09:00 – 09 :50 Session 4**

### **The Water Energy Food and Ecosystem nexus in the Mediterranean and MENA Countries**

**President:** *Mr. Maurice Saade, representative of Food and Agriculture Organisation (FAO) in Lebanon.*

**Moderator:** *Mr. Jean-Francois Donzier, Honorary Secretary General of INBO*

- **Ms. Shermine Dajani., Owner & CEO, Panmed Energy.**
- **Mapping the nexus within the context of sustainable Development : A Global and Regional Perspective,** Mr. Jean-Francois Donzier, Honorary Secretary General of INBO
- **UFM Water Agenda :Water, Energy, Food and Ecosystem nexus,** Mr. **Almotaz Abadi,** *Managing Director, Union for Mediterranean*
- **Mr. Pierre Khoury,** Director, LCEC

**Discussion 10min**

**Closing Keynote Speaker:** *Jean-Francois Donzier, Honorary Secretary General of INBO*

**09:50-11:45 Session 5**

### **Hydraulic Structures: Monitoring and Security**

**President:** *Mr. Jacques Devèze, Ancien Haut Fonctionnaire de Défense , Ministère de l'écologie et du développement durable.*

**Moderator:** *Prof. Mutasem El-Fadel. Director, Water Resources Center, American University of Beirut.*

#### **Topics**

**L'approche du contrôle pour la sécurité des ouvrages hydrauliques, l'expérience de SOCOTEC, M. Haissam Osman, Directeur Technique de SOCOTEC**

**Problématique d'envasement dans les estuaires et des aspects liés à la lutte contre l'envasement (curage, piège à sédiments, mobilisation solide, structuration des sédiments), Prof. Yannick. Melinge, Director of Research Lab, University of Cergy-Pontoise, France**

**Intervention and rehabilitation following a malicious act: the case of Chabrouh,** Mr. Georges Rizk, Ministry of Energy and Water, and Mr. Antoine El-meouchy , General Manager, Liban Consult.

**"Une première au Liban - Le Barrage en BCR de Boqaata :Techniques et Solutions".** Mr. Antoine Salame, GICOME, Stucky

**Artelia Experience: concept and design of dams by observation and its applicability in Lebanon ,** Mr. Alain YZIQUEL. Dam Expert, Artelia,

Auscultation of the Dams and its applicability in Lebanon ,EDF

Soctec Experience in Dams

	<p><b>Projet de l'Extension en Mer de Monaco : Mise en œuvre de moyens technique pour gagner 6 Ha pour la protection de la flore et la faune sous-marine</b>, Mr. Xavier Verdier, International Business Development Director, Bouygues Travaux Publics, France</p>
	<p><b>Technical Control of Dams during construction: the mandatory milestones</b>, Mr. Rachid Moubarak, Deputy Regional Manager, APAVE.</p>
<p><b>Discussion (10min)</b></p>	
<p><i>Closing Key note Speaker, Prof. Mutasem El-Fadel. Director, Water Resources Center, American University of Beirut.</i></p>	
<p><b>11:45: 12:00 Coffee Break</b></p>	
<p><b>12:00-13:00 Session 6</b></p>	
<p><b>Non- Conventional Water Resources for facing unmet Demand Management</b></p>	
<p><b>President:</b> Mr. Rachad Shawa, Chairman of the Founders Committee &amp; Vice Chairman of the Board, International Water Bank. Chairman of MAI ( Switzerland) AG.</p> <p><b>Moderator:</b> H.E Mr. Shaddad Attili, Minister at Negotiation Department, Former Minister of Water in Palestine</p>	
	<p>Mr. Dimtrios Sophocleous, President Board of Directors. METAV</p>
	<p><b>Protection of estuaries: modular standardisation waste water solution</b>, Mr. Johnny Obeid President of Veolia Water Technologies in the Middle East</p>
	<p><b>Urban hydraulic, drinking water treatment, wastewater treatment, sustainable city, environment</b>, Mr. Michel Lafforgue, Directeur de Projet, Suez,</p>
<p><i>Closing Keynote Speaker: H.E Mr. Shaddad Attili, Minister at Negotiation Department Former Minister of Water in Palestine</i></p>	
<p><b>Lunch: 13:00-14:30</b></p>	
<p><b>14:30-16:00 Session 6</b></p>	
<p><b>Young PhD candidates: innovative research in the field of nexus and water management</b></p>	
<p><b>Moderator:</b> Prof. Isam Shahrour, Director of civil engineering laboratory &amp; Geo-Environment, University of Lille, France</p>	
<p><b>Topics</b></p>	<p><b>Dynamic Bayesian Network to Manage Saltwater Intrusion in Data Sparse Urban Aquifers</b>, Grace Rachid, Ibrahim Alameddine, and Mutasem El-Fadel</p>
	<p><b>The choice of hazard quantification in oil spills assessment</b>, Ms. Ghinwa Harik, Mr. Anwar El-Shami, Mr. Ibrahim Alameddine, Prof. Mutasem El-Fadel</p>
	<p><b>Microbial inactivation credit of UV LEDs: Methods and effect of operating conditions</b>, Ms. Nour Itani, Mr. Ibrahim Alameddine, Prof. Mutasem El-Fadel</p>



	<p><b>Etude des propriétés de structuration des matériaux mixtes et fins - Application à l'envasement du système naturel</b>, Dr.Sally Serhal (Université Libanaise, Centre de Modélisation, EDST), Prof. Yannick Melinge (University of Cergy-Pontoise, France) Dr. Damien Rangeard.(National Institute of Applied Sciences, France) Prof. Fadi .Hage Chehade (Université Libanaise, Centre de Modélisation, EDST)</p>
	<p><b>Modeling of Quantitative Water, Energy and Food nexus</b>, Dr. Ali Karnib, PhD, Senior Water Expert.</p>

**Discussions (10min)**

<p><b>16:00-16:50 Session 7</b></p> <p><b>Water Culture and Gender mainstreaming</b></p>	
<p><b>President:</b>, Ms. Haifa Dia Al-Attia, Former Chief Executive Officer of the Queen Rania <b>Moderator:</b> Ms. Mona Kanaan, Founder and member Rotary Club Beirut Cedars</p>	
<b>Topics</b>	<p><b>Training for young professional journalists, researchers in the water issues</b>, Mr. Stuart Reigeluth, Founder Revolve, Cities4Forests, AMWAJ</p>
	<p><b>Mr. Antoine M. Tyan</b>, president of club of Sciences, responsible of Laboratory Sacré Coeur Gemmayze</p>
	<p><b>Water Treasure and Culture</b>, Mr. Samir Skaf, President of Green Globe, UN Environment Member Observer</p>
	<p><b>Mr. Jamil Mouawad, President of Rotary Water Commission</b></p>
	<p><b>Ms. May Sayegh, Communication Expert and Freelance Journalist</b></p>
<p><i>Closing Keynote Speaker: Ms. Mona Kanaan, Founder and member Rotary Club Beirut Cedars</i></p>	

**16:50-17:00 Coffee Break**

**17 :00 – 18:00 Session 8**

**The role PPP in the water resources Management in the Mediterranean**

<p><b>President:</b> Mr. Sylvian A. Migan, Director General of National Agency of potable water in rural Areas, BENIN <b>Moderator:</b>Mr. Rachad Shawa, Chairman of the Founders Committee &amp; Vice Chairman of the Board, International Water Bank. Chairman of MAI ( Switzerland) AG.</p>	
	<ul style="list-style-type: none"> <li>• L'Expérience de l'AFD dans le développement des Ressources Hydraulique Mr. Olivier Ray, Director of AFD in Lebanon</li> <li>• Contrat de Délégation de Service Public de l'Eau de la Métropole Marseille Provence, Mr. Alain MEYSSONNIER , Conseiller du Président, Directeur Général adjoint International et Partenariats, Eaux de Marseille.</li> <li>• Ms. Anthi Brouma, Head of MENA, GWP-Med</li> <li>• <b>Guidelines on Financing Climate Change Adaptation in Transboundary Basins, INBO</b>, Mr. Jean-Francois Donzier, Honorary Secretary General of INBO</li> <li>• <b>Le PPP : Démarche Innovante pour le financement de projet Hydraulique</b>, Mr. Samir Nasr, President of ECE Council</li> <li>• Mrs. Christina Estrada , Water and Development Expert.</li> <li>• Representative of Central Bank of Lebanon, BDL</li> </ul>



***Closing Keynote Speaker: Moderator: Mr. Rachad Shawa, Chairman of the Founders Committee & Vice Chairman of the Board, International Water Bank. Chairman of MAI (Switzerland) AG.***

## Day 3 : April 10, 2019

### 09 :00-11 :30 Session 9

**Strengthening transboundary water cooperation: frameworks and practical examples from the MENA region and beyond**

**President: H.E Dr. Hasan Al-Janabi, Ambassador, Former Minister of Water Resources - Iraq**

**Moderators: Mr. Jean-Francois Donzier, Honorary secretary General of INBO, Mr. Fadi Comair, Director General of Hydraulic and Electric Resources,**

<i>Topics</i>	UNECE Convention ,Ms. Chantal Demilecamps
	<b>Transboundary water governance and climate change adaptation: International law, policy guidelines and best practice application, Mr. Fadi Comair, Director General of Hydraulic and Electric Resources.</b>
<b>11:30-12:30 Conclusions</b>	
<b>Ms. Nada Boustani, Mr. Olivier Cadic, Mr. Loïc Fauchon, Mr. Michael Scoullos, Mr. Fadi Comair, Mr. Jean-Francois Donzier</b>	
<b><i>Distribution of Trophies by H.E Ms. Nada Boustani for Guests of Honor</i></b>	
<i>Mr. Olivier Cadic, Senator representing French citizens abroad Prof. Michael Scoullos, Chairman GWP Med Mr. Jean-Francois Donzier, Honorary secretary General of INBO</i>	

### 12:30-13:30: Cocktail Lunch

#### 14:00-19 :00 Technical Visit

**Only limited to speakers for the 7<sup>th</sup> Beirut Water Week, the governors and office of world water Council**

**For the Technical visit, Participants can choose one of the options below:**

**Please register your names by sending youroption for the visit to :Ms. Natcha Holtz, email: [holtz.nat@gmail.com](mailto:holtz.nat@gmail.com), Ms. Gisele Mitri, email: [giselemitri@googlemail.com](mailto:giselemitri@googlemail.com))**

<b>14:00-19 :00</b>	<b>Option 1: Chabrouh Dam, Ruins of Faqra, Jeita Grotto</b>
<b>14:00-19:00</b>	<b>Option 2: Mseilha Dam, Byblos City</b>
<b>19:00</b>	Return to the Hotel « Le Royal Dbayé », Free Evening

