

WHAT IS HAPPENING IN THE NETWORK?

CONFERENCE ON NEW TECHNOLOGIES OF WATER TREATMENT

On the 11th and 12th of December 2017, the LEWAP platform organized a two-day conference on the new technologies of water treatment. This conference was organized in partnership with the Faculty of Sciences - Lebanese University, the UNESCO-SIMEV (Sciences des Membranes Appliquée à l'Environnement) and the European Institute of Membranes (IEM).

This meeting had drawn together representatives of the different actors of the water sector. The first day was dedicated to the presentation of water sector issues by Lebanese experts. This contextualization facilitated the exchanges of the second day on the adaptability of the technical solutions presented by the researchers of the IEM.

• Download the [minutes of the conference](#)

WORKSHOP: WASTEWATER TREATMENT OF SMALL AND MEDIUM-SIZED COMMUNITIES

On the 8th of February 2018, a workshop was held on wastewater treatment of small and medium-sized communities. This workshop was organized in partnership with LEWAP platform, the Agence Française de Développement (AFD) and the National Research Institute of Sciences and Technology for Environment and Agriculture (IRSTEA).

The presentation done by IRSTEA made it possible to review the various existing technologies and criteria to be taken into account when choosing a treatment technology.

The different technologies of natural treatment (reed bed filters, lagooning...) were presented more into detail at a second session. Insights were provided on the treatment processes, purification performance, operation and maintenance of these stations.



• More information: the [presentation](#) and the [minutes](#)

TRAINING COURSE: INNOVATION IN SUSTAINABLE SANITATION AND WATER MANAGEMENT



A four-day training has been organized in Beirut, from the 5th till the 8th of March 2018, on innovation in sustainable sanitation and water management. The training brought together around 30 participants from the private sector, universities, UN agencies and international and local NGOs.

During the course of the training participants were introduced to new sanitation technologies. The content of the training alternated between theoretical courses and practical exercises. The participants were able to develop the different phases of a project from the analysis of the context to the implementation of the project.



This training is the result of a partnership between CEWAS Middle East and LEWAP.

• More informations: [training supports](#)

WORKSHOP ON WATER AND SANITATION SERVICES IN LEBANON

pS-Eau and the LEWAP platform organized a workshop on water and sanitation services in Lebanon. This workshop was held on April 4th in Lyon, at the Rhone Mediterranean Corsica Agency.

Cross-records from members of the Lebanese delegation and their French partners helped to better understand the sector's issues.

France and Lebanon have similar problems in their territories in terms of climate, availability of water resources, challenges to climate change. There is a common interest in sharing practices, pooling tools, and lessons. Decentralized cooperation between Lebanese and French local authorities constitutes, in this context, a real opportunity to concretize these exchanges.



• Download the [minutes of the workshop](#)

NEWS OF THE WATER AND SANITATION SECTOR

CHANGES OF THE HEAD OF THE WATER ESTABLISHMENTS AND OF THE LITANI RIVER AUTHORITY

On the 16th of February 2017, new General Directors for the Water Establishments and the Litani River Authority were nominated by the Council of Ministers:

- Mr. Jean Gebran, General Director of Establishment of the Water of Beirut and Mount Lebanon;
- Mr. Georges Rizk Rizk, General Director of the Bekaa Water Establishment;
- Mr. Wassim Salah Daher, General Director of the South Lebanon Water Establishment;
- Mr. Khaled Obeid, General Director of the North Lebanon Water Establishment;
- Mr. Sami Alawieh, General Director of the Litani River Authority.

ADOPTION OF THE WATER CODE

On the 29th of March 2018, the Lebanese Parliament adopted the Water Code, Law No. 77. The Water Code was published in the Official Gazette on April 19th, 2018. It was developed as part of a Franco-Lebanese project to support the reform of the water sector in Lebanon. The first draft of the Water Code was presented in 2006.

The Ministry of Energy and Water is responsible for the implementation of the Code. The Ministry will have to propose the necessary decrees for the entry into force of the Water Code.

- Download the Arabic version of the [Water Code](#)

CEDRE CONFERENCE IN PARIS ON THE 6TH OF APRIL 2018

On the 6th of April 2018, the Economic Conference for Development through Reforms with the Private sector (CEDRE) was held. This conference was inaugurated by both the Lebanese Prime Minister and the President of the French Republic. This international conference to support development and reforms in Lebanon brought together forty-eight countries and organizations as well as representatives of the private sector and civil society.

The Lebanese government presented its Capital Investment Program focusing on the development and rehabilitation of infrastructure. The program is divided into three phases of four years each. For phases one and two, investments in the water and sanitation sector represent respectively 18.7% and 13.93% of total investments.

CEDRE participants pledged to support the first phase of the program with \$ 10.2 billion in loans (including \$ 9.9 billion in soft loans) and \$ 860 million in donations (including grants to subsidize loans).

- Download the [Capital Investment Programme](#) and the [Joint Statement](#)

BRUSSELS CONFERENCE: «SUPPORTING THE FUTURE OF SYRIA AND THE REGION»

The Second Brussels Conference on «Supporting the Future of Syria and the Region» took place on 24-25th April 2018. It was hosted by the European Union and co-chaired by the United Nations. Brussels II brought together 86 delegations including 57 States, 10 representatives of regional organisations and International Financial Institutions (IFIs), 19 UN agencies and more than 250 Non-Governmental Organisations.

Participants pledged, for both Syria and the region, \$ 4.4 billion for 2018, as well as multi-year pledges of \$ 3.4 billion for 2019-2020. In addition, some international financial institutions and donors announced around \$ 21.2 billion in loans, of which are on concessional terms.

This aid is intended for Syrians who are displaced inside their own country or in neighboring countries, as well as to host communities in neighboring countries.

• [Main results](#) of the conference

LEGISLATIVE ELECTIONS

Legislative elections were held in Lebanon on May 6th, 2018. These elections were organized under the new 2017 Election Law which states:

- shifting from a majority vote to a **propensity vote**;
- **reducing the number of constituencies**;
- introduction of a **preferential vote**.

Being the first elections since 2009, a participation rate of 49.2% was recorded. Voters elected 128 Members of Parliament for a four-year term.

On 24th of May 2018, the Lebanese President re-appointed outgoing Prime Minister Saad Hariri. Since then, a new government is to be formed by Mr. Saad Hariri.

LASTEST MEETINGS

ENVIRONMENTAL HEALTH RESPONSE PLAN IN THE 12 PALESTINE REFUGEE CAMPS IN LEBANON

On 28th of June 2018, the UNRWA (United Nations Relief and Works Agency for Palestine Refugees in the Near East) organized a technical workshop to present and discuss the Environmental Health Response Plan in the 12 Palestine Refugee Camps in Lebanon (2018 – 2021).

During this workshop, UNRWA detailed the main results of the needs assessment which was carried out. Participants stressed the need to strengthen coordination with municipalities and government authorities to find a sustainable solution for sanitation and water supply.

• Download the [minutes](#) of the workshop and the provisional [Response Plan](#)

WATER INFORMATION SYSTEM FOR LEBANON: FEASIBILITY STUDY

In 2008, the General Directorate of Hydraulic and Electric Resources of the Ministry of Energy and Water initiated a project for an Information and Training Center for Water Professions (CIFME). On 7th of April 2014, this project received the official support from the Union for the Mediterranean (UfM).

During the first semester of 2018, the Euro-Mediterranean Information System on know-how in the Water sector (EMWIS) completed a feasibility study for the implementation of a water information system for Lebanon. This information system must guarantee access to reliable information via a single interface.

As part of this study, supported by the United Nations Food and Agriculture Organization (FAO), two meetings were organized to present the process and discuss the results achieved.

Based on an analysis of the institutional framework and an inventory of available data, a governance structure has been proposed for the constitution of this water information system. It is suggested that Lebanese institutions sign memoranda of understanding to strengthen data sharing and quality control. A budget and a provisional program of activities over five years were presented.

• Download the minutes of the meeting of the [16th of February](#) and [20th of June](#) 2018

CUSTOMER DATABASE WORKSHOP

On 29th of June 2018, the MiyahCon consortium (GVC, CISP et ACWUA) organized a workshop on customer database of Water Establishment. Representatives from Water Establishments, UN Agencies, donors and local and international NGOs attended this meeting.

This workshop provided an opportunity to discuss the importance of having up-to-date client databases and a geo-referencing system. Feedback and exchanges had facilitated the identification of needs. Testimonials from participants also highlighted proven solutions.

The workshop identified the need to establish a Task Force on Customer Databases, led by the Water Establishments and supported by relevant actors working in the sector. The Bekaa Water Establishment has volunteered to lead this Task Force

• Download the [minutes](#) of the workshop

WASH WORKSHOP _ INFORMAL SETTLEMENT & URBAN WASH: MEETING NEEDS BETTER

During 16th – 18th and 20th of July 2018, a four-days workshop on “Informal Settlement & Urban WASH: meeting needs better”.

This workshop was organized in a context of reduction of available funds to meet the needs of vulnerable populations in Lebanon while the nature of the Syrian crisis is the protracted.

The objectives of the workshop were:

- have a common understanding of the current situation and outlook;
- reflect on the successes and failures of initiatives since the beginning of the response;
- showcase innovative solutions;
- share challenges and understand bottlenecks, gaps, coping mechanisms and cross-sectoral implications;
- agree on recommendations to move forward as a sector.

Recommendations will be discussed with relevant government authorities and donors.

• Download the [minutes of the workshop](#)

PROJECTS NEWS

IMPROVING ACCESS TO WATER RESOURCES FOR LA MAISON DE LA MISÉRICORDE

In January 2018, HAMAP-Humanitaire carried out a closing mission of its project to improve access to water resources for Aïn Saade hospital.

This institution only has intermittent water supply from the public network. The hospital is equipped with a 150m³ cistern and a 100m well. However, the obsolescence of the equipment no longer made it possible to meet the water needs of patients and employees. In order to cover the needs of its residents, the hospital used a supply of water trucks of a daily cost of 500 dollars.



Topographic and hydrogeological studies were carried out to identify an area suitable for digging a borehole.

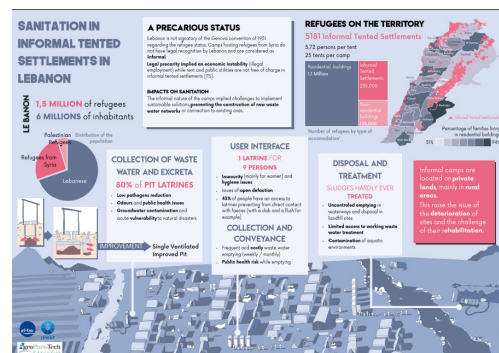
This project increased the amount of water available by digging and equipping a 610-meters deep borehole, installing a rainwater harvesting system and increasing storage capacities.

• Download the project sheet ([phase 1](#) and [phase 2](#))

SANITATION IN INFORMAL TENTED SETTLEMENTS IN LEBANON (POSTER)

During the 2017-2018 academic year, Aurélien Tatay, a Master 2 student at AgroParis Tech, produced a synopsis on sanitation in informal refugee camps in Lebanon.

This work was followed by pS-Eau. A poster illustrated the main lessons of this synopsis.

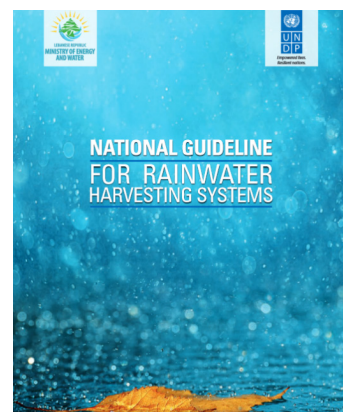


[Download the poster](#)

NATIONAL GUIDELINE FOR RAINWATER HARVESTING SYSTEMS

The National Guideline for Rainwater Harvesting Systems was launched on the 23rd of March 2018. This event was hosted by the Order of Engineers and Architects.

This Guideline was published by the Ministry of Energy and Water in partnership with the United Nations Development Program (UNDP). This guide provides detailed information on the design, construction and costs of rainwater harvesting systems in urban and rural areas.



[Download the guideline](#)

A CLEAN AND DECENT LIFE WITHOUT WASH?

This study published by Oxfam, explores the likely implications of a loss or lack of WaSH service provision to Syrian refugees living in ITSs due to reduced funding in the WaSH sector. The report presents the coping mechanisms that could be adopted by the ITS refugee households and communities. The cuts in WaSH funding are likely to produce a range of negative impacts in the areas of public health, livelihood, protection and social stability. These negative impacts will affect not only Syrian refugees but also Lebanese communities.

[Download the report](#)

COMPENDIUM FOR SANITATION TECHNOLOGIES IN EMERGENCIES

It offers background information on different emergency scenarios and phases of emergencies and the implications for sanitation infrastructure. It provides concise information on key decision criteria for each technology, facilitating the combination of technologies to come up with full sanitation system solutions and taking into account relevant cross-cutting issues.

[Download the compendium](#)

UPCOMING EVENTS

PRACTICAL PROJECT DESIGN IN SUSTAINABLE SANITATION

From 8th until the 11th of October 2018, the LEWAP platform and CEWAS Middle East will organize a 4-day training on practical project design in sustainable sanitation.

This training will be hosted by the Municipalities of Qlaya and Dlafy, in the Cazas of West Bekaa and Hasbaya. The training course will empower participants with relevant hardware and software tools to ensure that their projects consider all aspects of sustainability: technological, social, institutional, health and safety, environmental and financial aspects.

• For more information and to apply

WORKSHOP TRAINING AND EXPERIENCE-SHARING BETWEEN LEBANESE AND FRENCH LOCAL AUTHORITIES ON SANITATION

Cités Unies Liban/Bureau Technique des Villes Libanaises and the LEWAP platform will organize a workshop training and experience sharing between Lebanese and French local authorities on sanitation. This workshop is organized with the support of the Ministry for Europe and Foreign Affairs/ Delegate for the External Action of Local Government (MEAE/DAECT) and the French Embassy in Lebanon.

This training is for local elected officials and Lebanese municipal technicians concerned and interested in the theme of sanitation. The workshop will be held on 30th of October in the Beirut region and will be completed by two days of technical visits, on 29th and 31th of October, in the governorates of North Lebanon and Mount Lebanon.

• For more information on registrations: contact@lewap.org

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Contribute to LEWAP!

This newsletter has been published in order to keep you informed about the updates in the water sector. The newsletter can be enriched by your contributions... Do not hesitate to communicate to us any information which are likely to be interest to other members in the network!

contact@lewap.org