

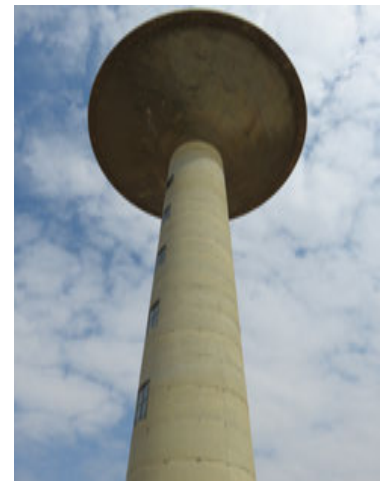
WHAT IS HAPPENING IN THE NETWORK?

MISSION OF THE RHONE-MEDITERRANEAN AND CORSICA WATER AGENCY IN LEBANON

The Rhone-Mediterranean and Corsica Water Agency ([AERMC](#)) has been supporting, since one decade, cooperation programs within the water and sanitation sector in Lebanon. During this mission in Lebanon, AERMC conducted field visits and met with partners and beneficiaries of the projects which were implemented.

AERMC and the French Municipality of Seyne-Sur-Mer support a [project](#) implemented by the INGO Solidarités Internationale in North Lebanon. This project aims to provide water services by building and rehabilitating the network of three municipalities in Akkar. During a joint mission, the representatives of the two French institutions held meetings with the stakeholders of the project. The Seyne-Sur-Mer Municipality and Programme Solidarité Eau did a field visit organized by Solidarités Internationale subsequent to those meetings.

During the mission of AERMC, a field visit of the [Bcharreh reed bed filter](#) water treatment plant was organized by a representative of the Municipality in collaboration with Corail Association.



The representatives of the Agency met with officials from the Ministry of Water and Energy, the Litani River Authority and Bekaa Water Establishment in order to discuss the issues and challenges facing the water and sanitation sector in Lebanon. Those meetings were also occasions to discuss collaboration opportunities between French and Lebanese institutions.

The Agency had the opportunity to participate at the official launching of the [LEWAP](#) platform led by pS-Eau with the support of AERMC.

For more information: [Minutes of LEWAP launching and working groups meeting](#)

NEW COOPERATION BETWEEN THE DEPARTMENT OF AUDE AND THE MUNICIPALITY OF ZGHARTA-EHDEN

Since November 2011, the French Department of Aude and the Municipality of Zgharta-Ehden have been implementing cooperation programs together to consolidate sustainable tourism. In 2017, the two institutions decided to supplement this partnership to a new dimension to improve water resources. This project is supported by the French Ministry of Foreign Affairs.

In coordination with the water authorities, the project aims to enhance water knowledge of the territory, highlight the hydraulic and historic inheritance of the municipality, and assess solutions that can improve the state of water resources.

Technical experts of the Department of Aude did a mission in September 2017. The field visit, organized by the Municipality of Zgharta-Ehden, facilitated the experts to be familiar with the territory, its challenges, and its potentials.



PUBLICATIONS

ARABIC VERSION OF THE COMPENDIUM OF SANITATION SYSTEMS AND TECHNOLOGIES

Since 2017, the second version of the Compendium of Sanitation Systems and Technologies is available in arabic. The compendium is published by the International Water Association ([IWA](#)), Water Supply and Sanitation Collaborative Council ([WSSCC](#)) and [Eawag](#) (Sandec Department).

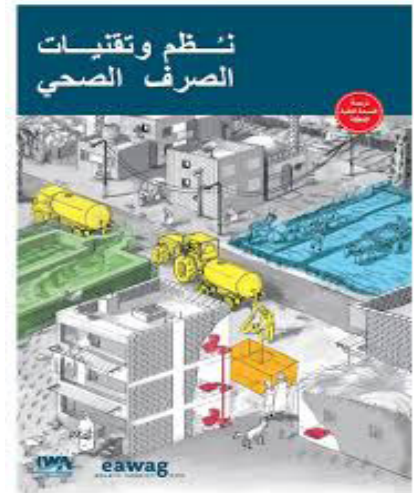
Since its first publication in 2008, the compendium became a referential international tool. It presents a large range of information on sanitation systems and technologies.

This technical compilation focuses on all the sanitation chain from collecting sewage water and excreta up to their disposal through discharge and conveyance.

The options for the enduse and/or disposal are also presented in this compendium.

The compendium is divided into two parts. The first part defines a row of combinations compatible from a technological aspect, which can conceive a system. Nine systems are presented in the first part.

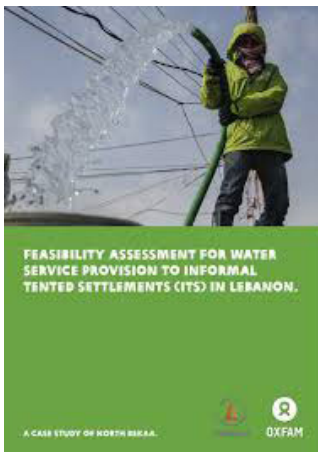
Part Two consists of 57 different technology information sheets, which describe the main advantages, disadvantages, applications and appropriateness of the technologies required to build a comprehensive sanitation system. Each technology information sheet is complemented by a descriptive illustration.



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- For more information : [download the Arabic version of the Compendium](#)

FEASIBILITY ASSESSMENT FOR WATER SERVICE PROVISION TO INFORMAL TENTED SETTLEMENTS (ITS) IN LEBANON

Published in November 2017, this study, ordered by Oxfam, appears in a context of loss of impetus of the international aid to the neighboring countries of Syria. In order to insure an access to water for refugees living in informal tented settlements (ITS), international organizations opted for alternative sources such as water delivery by truck. This solution represents an important financial cost and a risk of overexploitation of sources of water supply.



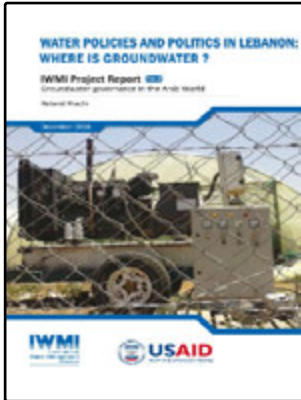
The authors of this study advocate for a reformulation of water service provision in informal tented settlements. They assessed the feasibility of connecting ITS to water public infrastructures. Therefore, they analyzed the legal, economic and social obstacles to such reformulation.

This research was based on a literature review and field surveys carried out with households of both Lebanese and refugee communities in addition to focus groups. This study gives a valuable testimony on the perception of the water services by users and their consent to see these services being extended to people living in ITS.

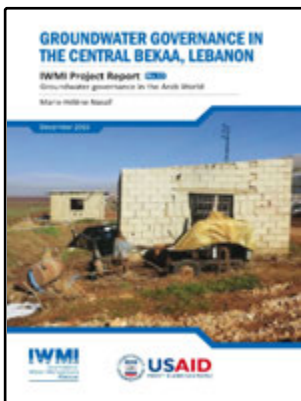
- Contact:
- Lama Abdul Samad, labdulsamad@oxfam.org.uk
- For more information : [download the study](#)

WATER GOVERNANCE AND PUBLIC POLICIES OF GROUNDWATER IN LEBANON

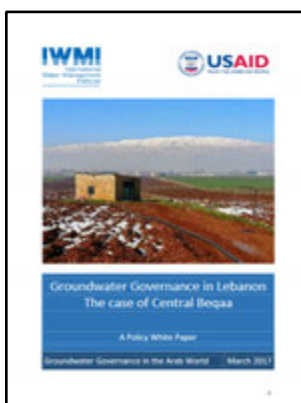
The International Water Management Institute ([IWMI](#)) published, with the support of USAID, three reports on groundwater in Lebanon.



By carrying out an analysis of the state of groundwater resources, its uses, and the impact of climate change; the first report facilitates the understanding of the challenges related to groundwater in Lebanon. The author recounted the evolution of both the uses of groundwater and the legal framework since the Ottoman Empire to date. This historical perspective permitted him to examine the impact of public policies on the state of groundwater resources ([Water policies and politics in Lebanon: where is groundwater?](#)).



The second research focused on the drivers of groundwater use and the impact of groundwater overexploitation on users. It took a limited geographic area of the Upper Litani River Basin identified with an important water table drawdown. It traced back the evolution of groundwater use in space and time since the 1960s, with a focus on irrigation supply based on interviews with farmers, mayors and municipal officials and other informants, as well as on a literature review, compilation of well data and direct field observations. It also looked at the institutional framework of groundwater management and its problems. By looking at the management strategies developed by users on one hand, and by the different water authorities on the other, all of that reveals many obstacles to establish and enforce appropriate and coordinated allocations from both surface and groundwater ([Groundwater governance in the central Bekaa, Lebanon](#)).



The third report is supplied by the above mentioned research as well as focus groups carried out with the stakeholders of the water sector. This thought is consistent with the reality of the Lebanese context and takes into account institutional, economic, and social factors. It contributes to the debates on how to improve the management of groundwater. The authors had submitted recommendations in order to have more sustainable management which is able to deal with the multi-use of groundwater ([Groundwater Governance in Lebanon: the case of Central Bekaa](#)).

UPCOMING EVENTS

HYDRODIPLOMACY AND CLIMATE CHANGE FOR PEACE IN THE MIDDLE EAST: CASE OF THE NILE RIVER BASIN

The third edition of the Conference «Hydro-diplomacy and climate change for peace in the Middle East: Case of the Nile River Basin», which will be held on the 11th of December 2017 at the French Senate. The events are an initiative of H.E Mr. Olivier Cadic, the senator representing French nationals overseas and Dr. Fadi Comair, Honorary President of MENBO, the initiator of the concept of Hydro-diplomacy.

The third symposium for the Nile Basin will tackle the following subjects:

- Geopolitics of the Nile Basin: political process for the reduction of hotspots and the impacts of global changes.
- Hydro-diplomacy of the Nile Basin: securing water resources for future generations.

- Contact: colloquehydrodiplomatie@gmail.com
- For more information: [Concept Note](#) and [Program](#)
- To register: [click here](#)

NEW TECHNOLOGIES OF WATER TREATMENT ADAPTED TO DEVELOPING COUNTRIES

On the 10th and 11th of December 2017, the Faculty of Sciences at the Lebanese University and the [UNESCO-SIMEV](#) Chair, are organizing a conference entitled «New technologies of water treatment adapted to developing countries.

The aim of this conference is to launch a national debate on the current state of water quality in Lebanon and propose solutions in terms of membrane technologies adapted to the Lebanese situation. This conference is addressed to all of the actors in the water and sanitation sector in Lebanon.

- Contact: Ziad Herro, ziad.herro@ul.edu.lb (70 455 005)
- For more information: [download the program of the conference](#)

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 through your contributions... Do not hesitate to communicate to us any information which are likely an interest to other members in the network!
contact@lewap.org

THIS NEWSLETTER IS PUBLISHED BY LEWAP, CREATED UPON THE INITIATIVE OF PS-EAU, WITH THE SUPPORT OF AERM.C.