

# NEWSLETTER

United Nations Development Programme – Lebanon

Empowered lives.  
Resilient nations.

## HIGHLIGHTS



**MR. Philippe Lazzarini**  
UN Special Deputy Coordinator  
in Lebanon

Starting August 1st 2015, Mr. Philippe Lazzarini was appointed as Deputy UN Special Coordinator for Lebanon, a successor to Mr. Ross Mountain. He also serves as UN Resident and Humanitarian Coordinator and Resident Representative of the UNDP in Lebanon.

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## Field visit to Terbol Bekaa

The “Lebanese Host Communities Programme” organized a field visit to Terbol, Beqaa, in presence of Mr. Philippe Lazzarini Resident Representative of the United Nations Development Program, and Mr. Luca Renda UNDP Country Director, Mr. Raghed Assi, Social and Local Development Program Manager where they met with Terbol Mayor Mr. Fady Khoury, and visited the Solar Water Pumping Project and the rehabilitated Terbol School.

“It’s definitely an interesting visit to listen to the Municipality about the impact of the refugee presence, and today I am visiting a project in support of the Municipality, which is benefitting both the Lebanese of Terbol and the refugees. I am very happy to see the outcome, it is a completely new school and I have just been told that as of next week 110 students from the community will be back to school. “

“Well the people of Terbol should know that as a member of the international community we are here to support them during this time of crisis.”



## UN celebrates 70th Anniversary in Akkar



In celebration of the 70th anniversary of the United Nations and under the patronage of his Excellency Akkar Governor Mr. Imad Labaki, the UN Agencies working in Akkar, in the presence of Mr. Philippe Lazzarini Resident and Humanitarian Coordinator for the United Nations, organized a series of events under the slogan “UN 70 Years for Lebanon”. The event includes art shows, photo exhibition, handmade crafts, local foods, and other artistic activities.

“As a founding member, Lebanon has from the very beginning been a close partner to this global endeavour. And for almost all this time, the United Nations has been here for Lebanon and for the Lebanese people- helping them in difficult times, seeking to promote peace, stability and development”. Said Mr. Imad Labaki.

“Our partnerships, with municipalities, communities, Non-governmental organizations and civil society leaders, are critical to eradicate extreme poverty, promote justice, social advancement and human rights”. Said Mr. Philippe Lazzarini.

## Promote coexistence and peace among the youth of Labweh

“We never had a soccer field in the area, we used to play anywhere on the streets. Starting today, this field will put together the youth of all the villages from Baalbeck to Hermel who will come to play soccer and eventually become friends,” said Ayman Abdo, one of the youth in Labweh.

Ayman’s words came during the inauguration of a new soccer field in Labweh, Bekaa, on Thursday 27 August 2015, in the presence of HE Mr. Jaime Garcia Amaral, Ambassador of Mexico to Lebanon accompanied by Mr. Raghed Assi, Programme Manager of the Social and Local Development (UNDP), Mrs. Lynn Miller UNHCR Deputy Representative, Mr. Walid Assaf from the Ministry of Social Affairs and Mr. Ramez Amhaz, Mayor of Labweh Municipality.



## Locals Steering the Economic Wheel in Sarafand



The UNDP “Peace Building in Lebanon” project supported local actors in implementing Mechanisms for Social Stability (MSS) that consist of establishing socio-cultural and socio-economic committees which will work under the umbrella of the municipalities. These committees are addressing the main causes of conflicts and coming up with action plans to address them. Furthermore, the committees started working on a “monitor” in order to track the human rights violations as well as the positive initiatives that promote social stability which led them to launch this business-generating competition on August 19th 2015 after tracking the economic needs and identifying the economic causes of conflict of the area.

## Follow up on the work in progress at the Baalbek Mixed Public Schools.

Under the framework of the Lebanese Host Communities Support Project, the UNDP conducted a field visit to the Bekaa area to follow up on the work in progress at the Baalbek Mixed Public Schools.

The schools were selected under the 4 Ministries Methodology, which is an agreement between the UNDP, the Ministry Of Public Health, the Ministry of Social Affairs, the Ministry of Education and Higher Education, the Ministry Of Interior and Municipalities.

In order to identify the specific needs of local populations, a qualitative and quantitative assessment of 72 public schools and 29 Public Health Care Centers (PHCC's) was conducted, under the umbrella of each municipality. 480 students from the schools benefited from these improvements. The two public schools are funded by European Union in Lebanon.



## Field visit to follow up training of the local women in Bissaryeh



As part of the Lebanese Host Communities Support Project LHSP, DFID - UK Department for International Development, the Ministry of Social Affairs MoSA and UNDP visited Bissaryeh in South Lebanon to follow up on the training of the local women working at the newly established community kitchen, and to check up on the status of the constructed sewage network in the area.

3,734 direct Lebanese & 2,420 direct displaced Syrians benefited from the new sewage network in Bissaryeh, and 30 local women are benefiting and being trained on basic business principles at the newly established community kitchen in Bissaryeh, funded by DFID UK

## Two Workshops on Support to Integrated Service Provision and to increase access to integrated health services

Two workshops were held in August in Halba Municipality and Wadi Khaled within the framework of the Inter-ministerial initiative "Support to Integrated Service Provision at the local Level".

At the workshops, a family medicine expert from the American University of Beirut (AUB) was present with representatives from the municipalities, the Social Development Center (SDC), the Primary Health Care Center (PHCC) with the support of the Ministry Of Public Health, 2 public schools and the local health administration.

The initiative in Halba aims to develop a local welfare plan of interventions based on community shared needs, which will be identified by a multi-professional team towards achieving integrated health and social programs.

The Initiative in Wadi Khaled aims to support the development of integrated health territorial plans and services in order to increase access to high-quality primary health care services for the targeted communities. It also seeks to increase health awareness in public schools.



## Livelihood working group meeting in Bekaa

A meeting organized by the UNDP and the International Organization for Migration (IOM) took place on August 11th 2015 in the Bekaa area. This event was part of the UNDP's efforts to increase social cohesion and support economic recovery in the most vulnerable areas.

The meeting was one of the Livelihood working group meetings, and the participants included UNDP, UNHCR Lebanon, Ministry of Social Affairs, The Danish Refugee Council, LOST (The Lebanese Organization for Studies and Training), Mercy Corps Lebanon, ACF (Action Contre La Faim), and Basmeh & Zeitooneh Art and Culture Center.



## Social Awareness Festival for Children in Anjar and Baalback



Through the Mexican grant, UNHCR Lebanon, UNDP Lebanon, and the Ministry of Social Affairs organized the Social Awareness Festival for children in Anjar and Baalbak, implemented by the Lebanese Red Cross in the Evangelical School and Al Basel School.

The project was done within the framework of the Lebanese Host Communities Support Project (LHSP), and targets children from 5-10 years old. It aimed to spread awareness about sports, road safety, drugs and smoking/peer pressure, nutrition and healthy food, what to do in emergency situations, personal hygiene, as well as principles, values, and the acceptance of others.

## Distribution of Hygiene kits in Baysarieh

4500 households in Palestinian Gatherings across Lebanon will receive similar kits in August 2015.

121 families from Maashouq Gathering and 81 families from Baysarieh Gathering have received hygiene kits provided by UNDP in collaboration with PARD and concerned Popular Committees.

Also 80 Palestinian families from Syria have received kits in the Gatherings of Beirut.



# UNDP published the 8th issue of the joint news supplement free of hatred and misconceptions



Funded by the German Ministry of Economic Cooperation and Development through KfW, this supplement was published by the UNDP “Peace-Building in Lebanon” project on the 24th of July 2015. The original Arabic version was distributed with Annahar and As-Safir newspapers while a translated English version was distributed with The Daily Star and a translated French version with L’Orient Le Jour. Writers, journalists, media professionals, researchers and artists from Lebanon and Syria covered the repercussions of the Syrian crisis on Lebanon and the relations between Lebanese and Syrians, employing objective approaches that are free of the discourse of hatred and misconceptions.

## By your side: UK Investing in Lebanon’s future

The Minister of State for International Development Desmond Swayne, MP ended a three day visit to Lebanon where he met with Prime Minister Tammam Salam, and Minister of Social Affairs Racheed Derbas, and held a joint press conference with Minister of Education Elias Bou Saab. In the press conference with the Minister of Education, UN Resident Humanitarian Coordinator Ross Mountain, and World Bank Regional Director Ferid Belhaj, Mr. Swayne underlined the actions taken to ensure all vulnerable Lebanese and Syrian refugee children living in Lebanon can access a quality education, and the enrollment process to 200,000 refugees in public schools is successful.



## A busy street full of life



In the Akkar and Bekaa regions in Lebanon, at least 9-12 hours of blackouts occur per day, and the delivery of hot water is not guaranteed. Different types of renewable energy technologies are being installed, as well as additional indoor and outdoor solar powered street lighting and kits. The UNDP, through CEDRO, is working to support the Lebanese host communities region. The project is financed by the Saudi Fund For Development via the UNHCR and the Government of Germany via the Lebanon Recovery Fund.

## Women Theoretical food safety training

As part of the Lebanese Host Communities Support Project (LHSP), 16 active women will receive practical and managerial training in order to later manage their own community kitchen for catering purposes at the local and regional level.

This was Implemented by UNDP in partnership with the Ministry of Social Affairs and funded by DFID - UK Department for International Development and UK Embassy in Lebanon to support the community & empower women.



## Youth training to develop specialized skills in Akkar



The Youth Economic Empowerment Project (YEEP) is training 100 youths through specialized training programs and internships.

This will contribute to the reduction of the youth unemployment rate in Akkar and develop specialized skills that meet the labor demand of MSMEs in the area.

After the training, a Jury will select candidates from the 100 young YEEP project trainees to support them with small grants in order to start up their new businesses.

This was implemented by UNDP in partnership with the Ministry of Social Affairs, and North Lebanon LEDA, through funds from The Government of Japan.

## Youth promoting messages of Peace in Wadi Khaled

30 Lebanese and Syrian youth from Wadi Khaled, Al Fared and Al Amayer localities in Akkar were sensitized on peace building issues through a capacity building programme and youth-led communal activities. This was organized by the Happiness and Success NGO funded by the UNDP “Peace Building in Lebanon” project through DFID-UK Department for International Development, with the support of the respective municipalities. “With the continuous mass influx of Syrians into Wadi Khaled and its surrounding villages, the lack of job opportunities, in addition to an increasing pressure on the already deteriorated local resources are bound to happen, leading to the possibilities of different types of conflicts at the local level” said Mr. Fayeq Shehadeh, Happiness and Success NGO Coordinator.



## Akroum: a success story of social stability, against all odds Fostering peace through a cultural competition



A traditional celebration of authentic Lebanese music and percussions opened a festive day at Ajyal High school in Kfartoun village, located in Akroum mountains area in the Northern part of Lebanon.

With the support of the UNDP “Peace Building in Lebanon” project, Akroum Socio-Cultural Committee gathered on Sunday 14th of June, 2015 around 400 students, teachers, mayors and municipal council members from the 5 villages of Akroum area to celebrate the official launch of the committee and the monitor.

## “From Civil War to Civil Peace”, UNDP strengthen the capacities of Fighters for Peace

“With the same fierceness we fought war, we want to fight for peace and tell the youth who are ready to fight that it is not a walk in the park”, said Assaad Chaftari, the first fighter to deliver a public letter of repentance in 2000 and openly apologize to his victims during the 1975- 1990 civil war.

This experience of deciding to turn the page of war to contribute to civil peace in Lebanon and reinforce social segregation is crucial. Based on this, the UNDP “Peace Building in Lebanon” project with the financial support of Norway is strengthening the capacities of the NGO, in order to guarantee sustainability and effective peace-promotion work as a lifetime process in post-war Lebanon.



## Memorandum of Understanding between UNDP and AUB



Mr. Luca Renda, UNDP Country Director, and President Peter Doorman at American University of Beirut (AUB) have signed the Memorandum of Understanding.

The MoU is to facilitate collaboration between UNDP and AUB in areas of common interest and to promote knowledge production, analysis, dissemination and awareness-raising in areas of mutual interest related to Lebanon’s social and economic development agenda.

## UNDP signs a Memorandum of Understanding with L'Orient Le Jour and The Daily Star.



The United Nations Development Programme, represented by Mr. Ross Mountain, UNDP Resident Representative, signed on June 26th 2015 a memorandum of understanding with L'Orient Le Jour and Daily Star newspapers represented by Ms. Nayla de Freije, Executive Director of the General Company of Press and Publication (L'Orient Le Jour), and Mr. Jamal Zein, Director of Finance and Administration in The Daily Star newspaper.

This agreement aims at establishing a framework of cooperation between the parties in printing, distributing and translating three issues of the UNDP "Peace Building in Lebanon" joint news supplement, issued in both French and English.

## Workshop on the methodology of the research

A workshop was hosted by UNDP, on the Local Municipal Support – Selection of Municipalities organised by AKTIS, University of Birmingham and the The Lebanese Center for Policy Studies.

This workshop is part of the activities supported by DFID - UK Department for International Development within the framework of the Lebanon Host Communities Support Project (LHSP). Representatives from CDR and Ministry of Social Affairs participated in the workshop.

The agenda addressed the methodology of the research that will take place during 2015 and 2016 in terms of the perception of communities regarding the social stability and legitimacy of municipalities, through the intervention supporting the provision of basic services.



## Improve the status of the Lebanese food safety



As part of its continuing efforts to improve the status of the Lebanese food processing industries, the Ministry of Industry has teamed up with the UNDP/TOKTEN program to bring in an expatriate food safety expert to provide training and advice on inspection guidelines.

Dr. Fadi Michel Aramouni, Professor of Food Science at Kansas State University for 25 years, is an advisor for the food processing sector in Kansas, USA.

Dr. Aramouni visited meat slaughter and processing plants, and baked goods and sweets factories, to conduct inspections and collect samples for analysis. These data will be used to help draft inspection guidelines to share with other government agencies and food processing associations prior to enforcement.



## Hakim and Mountain stress on supporting Host Communities needs during their visit to Akkar area

The Minister of Trade and Commerce HE Dr. Alain Al-Hakim and UN Resident Coordinator and UNDP Resident Representative in Lebanon Mr. Ross Mountain have visited several Lebanese Host Communities projects in Akkar.

The UNDP in collaboration with the Ministry of Social Affairs, is supporting The Cooperative Association for Agriculture and Food Processing in Fnaydeq for manufacturing capacity by equipping the cooperative with fruit-drying-equipment and by purchasing a vehicle to transport the products to different markets.

As for the The United Cooperative in Akkar, the project is providing a washing, grading and packaging machine, a vehicle to the cooperative for the transportation of the products to the market, establishment of a hangar in front of the facility to allow the easy access for trucks, and enhancing the capacity of the Cooperative storage by providing 3000 boxes. This was done with the funding of the German donation and Lebanon Recovery Fund (LRF).



## WASH competition on Hygiene in Ain El Helwe



As part of phase II of UNDP's WASH Awareness Campaign in Palestinian Gatherings, 2200 students from all educational levels participated in the competition in the nine UNRWA schools of Ain El Helwe.

The competition, entitled "My Hygiene is My Identity; My Environment is My Responsibility", encouraged the young participants to think of ways to make their schools and neighborhoods cleaner and healthier.

The Head of Education of UNRWA in Saida, Mahmoud Kassem, participated in the ceremony in which 15 winning students (9 girls and 6 boys) received certificates and school stationery. This was done in partnership with local partner the Community Environmental Health Committee in Ain El Helwe.

## Improving and Increasing Healthcare Services in Haret Hreik

The Municipality of Haret Hreik has opened the new premises of the Primary Healthcare Centre (PHCC) in Haret Hreik under the patronage and presence of His Excellency MP Mohammad Raad, the UNDP Country Director in Lebanon Mr. Luca Renda, the representative of Tuscany, Italy Dr. Luigi Triggiano, the mayor of Haret Hreik Mr. Ziad Waked, as well as representatives of the Ministry of Public Health, concerned ministries, and the German Embassy.

The new PHCC in Haret Hreik was rehabilitated and equipped through municipal funding, a contribution from the UNDP via a German grant through the Lebanese Recovery Fund and a Lebanese Government Led programme established on the occasion of the Stockholm Conference.



## Launch of first professional organization for cooperation between Arab electoral management bodies



Six national electoral management bodies in the Arab region launched in Beirut the “Organization of Arab Electoral Management Bodies - ArabEMBs” which is the first such professional organization dedicated to promoting cooperation on all aspects of election management in the region. The new organization will enhance professional development and exchange on elections administration to ensure integrity and transparency.

Representatives of the founding six electoral management bodies of Jordan, Iraq, Lebanon, Libya, Palestine, and Yemen signed the charter of the new organization in the presence of His Excellency Nohad Machnouk, Minister of Interior and Municipalities in Lebanon, and the UN Resident Coordinator and UNDP Resident Representative in Lebanon, Mr. Ross Mountain.

## Green Festival on world’s environment day

In the presence of the Minister of Environment Mr. Mohamad Machnouk and under the patronage of the Environment Ministry and the UNDP, G’s organization hosted the green festival in Foch Street on Friday 5th of June which lasted for three days.

The event was attended by Mr. Ross Mountain, UN Resident Coordinator and UNDP Resident Representative and Mr. Luca Renda, UNDP Country Director, and Italian Council, and aimed at spreading awareness towards the environment in a festive way.

“This shows the extraordinary talents that is available among the Lebanese in so many different fields; the innovation, the novelty, the inspiration, which is great.” said Mr. Ross Mountain.



## Bint Jbeil inhabitants benefit from the provision of medical equipment to the SDC

UNDP, in partnership with the Ministry of Social Affairs and the Ministry Of Public Health have provided medical equipment to the SDC in the area of Bint Jbeil located in South Lebanon, which the inhabitants can benefit from.

This was done under the UNDP Lebanese Host Communities Support Project (LHSP), and funded by the European Union in Lebanon.



## UNDP Donors meeting



The Donors meeting was held in Movenpick Hotel on, in order to give thanks to around 20 donors who have contributed to the many projects organized by the UNDP. This devoted financial as well as moral support has been a demonstration of deep commitment towards UNDP work and has repeatedly played a key role in its success. Presentations by UNDP office & project staff about Social & Local Development and Lebanese Host Communities Support Program-Basic Services & Livelihoods, also about Crisis Prevention

## Resolving conflicts through education

“I turned 16 and I never hit anyone!” said a student to Ms. Mona Majed, teacher at Haret Hreik Secondary School for Boys. “This is a negative sign. Students are eager to behave violently”.

Ms. Mona was one of 76 participants from Beirut Southern Suburbs, who attended 11 sensitization and activity planning sessions during the month of May, organized by the UNDP “Peace Building in Lebanon” project in partnership with “For Development” and “Center for Active Citizenship”, supported by the European Union.

The training grouped parents, teachers and students as committees to represent their schools, including Haret Hreik Secondary School for Boys, Chiyah First Public School, and Ghobayreh Public Intermediate Mixed School.



## Police officers armed with knowledge and Italian experience

Supporting the efforts of the Lebanese government and local actors in responding to the impact of the Syrian crisis in Lebanon, the UNIFIL Civil Affairs in collaboration with UNDP organized nine-day training to 31 municipal police officers from 21 villages across Lebanon. 4 Trained by the Italian Carabinieri, which is part of the SIFU team (Special Investigation and Forensics Unit) at UNIFIL, municipal police officers, coming from North, Bekaa, South, Beirut and Mount Lebanon, were equipped with the basics and fundamentals of socio-security tactics and policies through theory, practice and interaction, persons searching techniques, check-points, crime-scene identification methods and cars inspections methods were also topics covered during this training.



# Social Media Campaigns:

## Social Good Summit 2015



“2015 is a once in a generation year for development. What is decided across the major UN summits this year on disaster risk reduction, finance for development, Sustainable Development Goals (SDG’s), and tackling climate change will shape the world’s future for the next 15 years and beyond,” said Helen Clark Administrator of the UNDP.

#SocialGoodSummit2015 #Action2015

## The United Nations 70th Anniversary



“The 70th anniversary of the United Nations is an opportunity to spotlight where the UN – and the international community as a whole – needs to redouble its efforts to meet current and future challenges across the three pillars of its work :peace and security, development, and humanrights” - Secretary-General Ban Ki-moon’s message for UN70.

UNDP Lebanon works across a number of sectors in order to better the national well-being of the country for now, and the future.

#Didyouknow? #UN70

## Roadtoparis Campaign



Raise your voice for climate good ahead of COP21! Join UNDP on the roadtoparis: <http://ow.ly/QIso0>

Take #Action2015 for #climatechange and the future of our world #COP21

## Intl day of Cooperatives - July 5



Supporting and empowering the community, under the Lebanese Host Communities Support Project #LHSP in partnership with the Ministry of Social Affairs #MoSA #livelihood #Lebanon

## International Humanitarian Day - August 19



Join us, visit [www.worldhumanitarian.org](http://www.worldhumanitarian.org) and help share an inspiring story of humanitarianism in action across your social media platforms! #ShareHumanity #WorldHumanitarianDay #WHD2015

## Latest Videos:

### Infographic - The representations of the “Syrians” and “Palestinians” in news media coverage study

Maharat Foundation has produced in collaboration with UNDP an animated infographic on the results and recommendations of the study. This movie was broadcasted during the launching event of the study and also aired on Local channels during prime time news.

[https://www.youtube.com/watch?v=83K8VQi\\_iVg](https://www.youtube.com/watch?v=83K8VQi_iVg)



### Disaster Risk Reduction Simulation in Sidon - South Lebanon

The municipal teams, police, fire brigade and firefighter volunteers in Sidon, emergency teams and engineering department have participated in an earthquake simulation activity in order to reduce disaster risk in the occurrence of an earthquake.

<https://www.youtube.com/watch?v=x0XNAgWWuJc>



### UNDP “Peace Building in Lebanon” project supports local leaders

Due to the important role local leaders play, namely in managing the local resident’s affairs and thus dealing with local conflicts, the UNDP “Peace Building in Lebanon” project supports local leaders in crisis management especially in light of the impact of the Syrian crisis on host communities all over Lebanon.

<https://www.youtube.com/watch?v=A6nXX4I2iHk>



### #ClimatelsWater - UNDP Climate change Project in Lebanon

As a part of the #ClimatelsWater series, the Climate Change team of UNDP in Lebanon have worked to highlight some of their work at the Lebanese Ministry of Environment (climatechange.moe.gov.lb/home) through their pilot project “Rainwater Harvesting from Greenhouse Tops”.

<https://www.youtube.com/watch?v=MH9EL2Kd9Cg>



# Latest Publications

## Impact of Humanitarian Aid-UNDP-UNHCR

Since the outbreak of the Syrian crisis in March 2011, more than three million people have fled from the suffering brought by the war, seeking refuge in neighboring countries. More than 1.2 million Syrians have come to Lebanon and registered with UNHCR. In response, the United Nations, in partnership with the Lebanese government and with the generous support of the international community, have established one of the largest and most complex crisis operations in the world, combining humanitarian assistance to the refugees with progressively increasing support to the Lebanese host communities. The Lebanese people, however, were the true first responders to the crisis, showing remarkable solidarity by providing welcome, shelter, services and support, even though in many cases their own needs were already high.



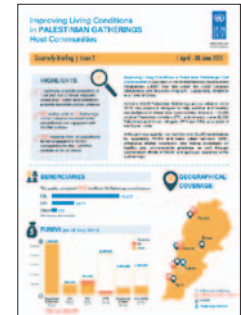
## Stabilization & Resilience Study

We are pleased to present the report “Stabilization and Resilience in Protracted, Politically Induced Emergencies: A case study Exploration of Lebanon”, produced in partnership between UNDP and Mercy Corps. As we continue to navigate the evolving situation in Lebanon, we aim to identify innovative solutions that address critical, political, social and economic issues. Together, UNDP and Mercy Corps developed the enclosed document that provides a theoretical background on the concept of resilience applied to social sciences and development.



## Improving Living Condition in Palestinian Gatherings Host Communities Newsletter- April 2015

We are pleased to share with you the second issue of our newsletter highlighting the achievements of the UNDP project “Improving Living Condition in Palestinian Gatherings Host Communities” between April 2015 and June 2015. Issued on a quarterly basis, this newsletter aims at updating stakeholders in Gatherings on our project progress, while exposing the dire needs of these communities.



## Lebanese Constitutional Council Its Role and Precedents

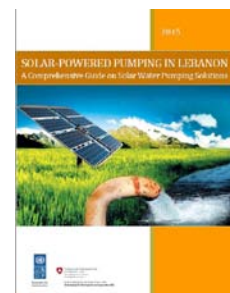
The guideline publication on the “Legal Framework and Precedents of the Lebanese Constitutional Council” constitutes a main reference on the complaints procedures and the general principles adopted by the Council in its precedents from 1994 to 2014, especially in the field of electoral disputes.



## Technical Assessment for Solar Powered Pumps final for public

UNDP is supporting vulnerable host-communities in various areas of Lebanon including the development and construction of water networks and the improvement of livelihoods, particularly in the agricultural sector. For example, within the umbrella of the Lebanese Centre for Water Management and Conservation (LCWMC) at the Ministry of Energy and Water, a project funded by the Swiss Agency for Development and Cooperation aims to improve the water supply services in North Lebanon specifically in Wadi Khaled.

Within this project, a study was undertaken to assess the opportunities available to use renewable energy for water pumping for both water distribution networks and for the extraction of water for irrigation. The study looks at the viability of using photovoltaic (solar) pumps; it highlights the various types, costs, efficiencies, basic designs and the main suppliers of these systems in Lebanon. It is a useful tool for persons working on the ground to have an overview of the opportunities and limitations of such technologies.



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## About UNDP

UNDP is the UN's global development network, advocating for change and connecting countries to knowledge, experience and resources to help people build a better life. We are on the ground in 177 countries, working with them on their own solutions to global and national development challenges. As they develop local capacity, they draw on the people of UNDP and our wide range of partners.

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