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Geothermal Water in Lebanon: An Alternative Energy Source					LCE Subscription	
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ABSTRACT Recently, demand for energy has been increased worldwide, notably in the view of high economic value and					Frequently Asked Questions	
competi-tion of fossil fuel, as well as the negative impact of fuel consumption through carbon release, and thus the consequences on human health and environment. Various aspects of energy sources into Earth' s					Recommend to Peers	
crust have been discovered and utilized. Geothermal energy is one aspect of these sources where they have been well pronounced in many countries and proved to be a potential energy source for the future					Recommend to Library	
needs. Lebanon, the country with rare natural energy, the renewable energy sources are almost ignored and there is only limited utilization of hydro-power, wind and solar energy, whilst oil imports occupy a					Contact Us	
to this renewable	source. Meanwhile, there	are several indic	ators showing the existen	ice of geothermal	Downloads:	49,895
evidenced whether thermal water was	from water in drilled wel observed also in many	s or from various o ocalities along the	discharging springs, as wel e Lebanese coastal water.	Il as indications of This study shows	Visits:	141,722
the available inform alternative energy	nation in this respect, cor source. Thus four major	isidering the occur geothermal doma	rence of geothermal water ains were recognized. The	in Lebanon as an study introduces	Sponsors	Associates au

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Hot Water, Springs, Alternative Source, Lebanon

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detailed assessment.

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detailed characterization on the existing aspects of geothermal water and inducing its hydrologic regime

and mechanism of groundwater heating. It would be a reconnaissance stage that may help applying further

References

- [1] AEC, American Energy Commission, 2006. http://www1. eere.energy.gov/geothermal/history.html
- [2] A. Houri, " Re-newable Energy Sources in Lebanon: Practical Applications," ISESCO Science and Technology Vision, Vol. 1, 2005, pp. 65-68.
- [3] A. Shaban, " Geological Prospects for Uranium Deposits in Lebanon," Environmental Hydrology Journal, Vol. 16, Paper 12, 2008.
- [4] GLA, " Status and Potentials of Re-newable Energy Technologies in Lebanon and the Region (Egypt, Jordan, Palestine, Syria)," Desk Study Complied by Green Line Association, 2007.
- [5] A. Shaban, " The Geo-Thermal Energy in Lebanon," Te- chnical Report (In Arabic), CNRS, 2009, p. 10.
- [6] ALMEE, " State of Energy in Lebanon," Association libanaise pour la maitrise de l' energi at l' environnement, 2005. http://www.Almee.org/pdf/state%20of%20the20% ener-gy%20Lebanon.pdf
- [7] LCNRS, Lebanese National Council for Scientific Research, "Thermal Infrared Survey to Detect Submarine Springs along the Lebanese Coast," Technical Report, 1999, p. 33.

- [8] Z. Beydoun, "Petroleum Prospects of Lebanon: Reevaluation," American Association of Petroleum Geologists, Vol. 61, No. 1, 1977, pp. 43-64.
- [9] L. Dubertret, " Carte géologique de la Syrie et du Liban au 1/200000me," 21 feuilles avec notices explicatrices, Ministère des Travaux Publics, L' imprimerie Catholique, Beyrouth, 1955, p. 74.
- [10] G. Bahati and F. Natukunda, " Status of Geothermal Ex- ploration and Development in Uganda,"