



# Sustainable Energy in Lebanon

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What is renewable energy?

Environmental Background

- Land Availability, size of the market

Political Background

- Security of Supply, we have it, and have it abundantly

Economic background

- The case of Germany @ the cost of PV pannels

Social Background

- People first. Social impact as important as company financials
- Akkar Vs. Baalbeck
- The drug trade

Legal background

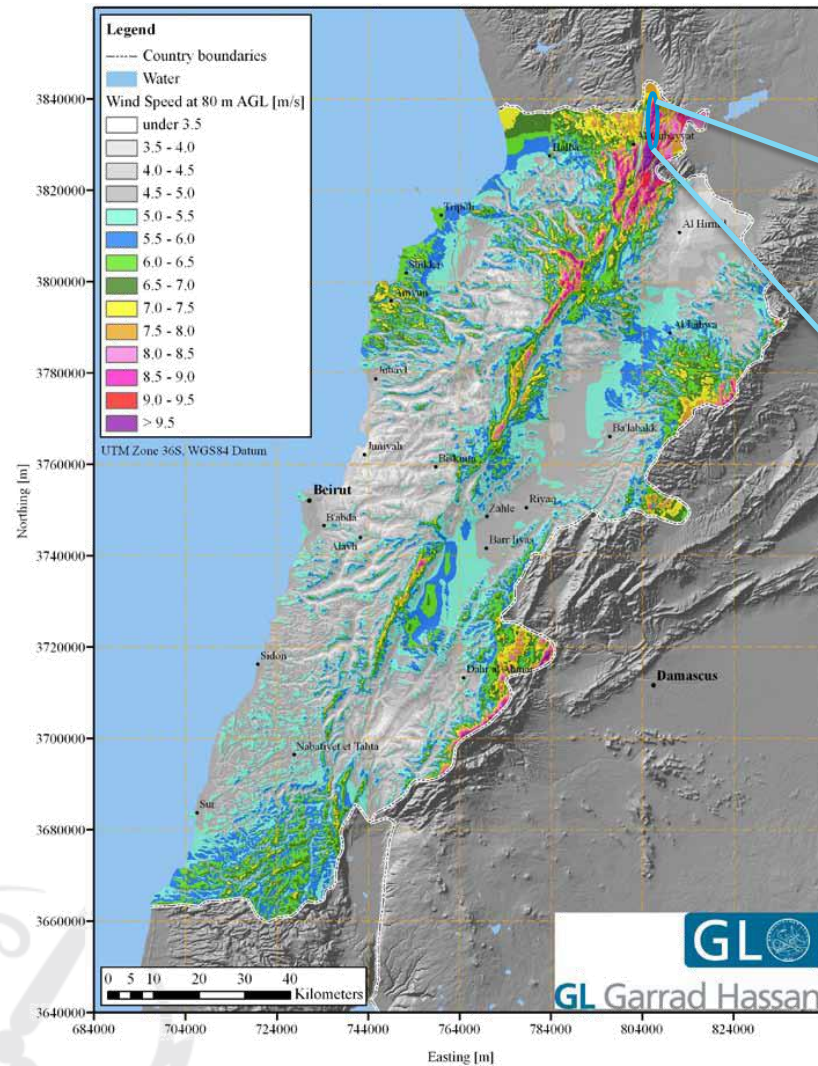
## Overview: Lebanon

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- **96% market penetration for electricity**
- **Demand of 4 000 MW**
- **Supply Capacity of 2 300 MW**
- **Cost of production around 0.20 USD. Energy sold to users around 0.12 USD. Government saves money with power cuts.**
- **Yearly subsidies over 1.2 billion USD to EDL.**
- **Policy paper for the electricity sector of June 2010**
- **12% Renewable Energy by 2020 (Copenhagen and Paris)**



# Land investigation: Lebanon wind atlas



## Lebanon Wind Atlas

One of the most promising sites  
Wind Atlas mentioned above 9 m/s,  
80 m above ground level

