

Wind resources in the UAE

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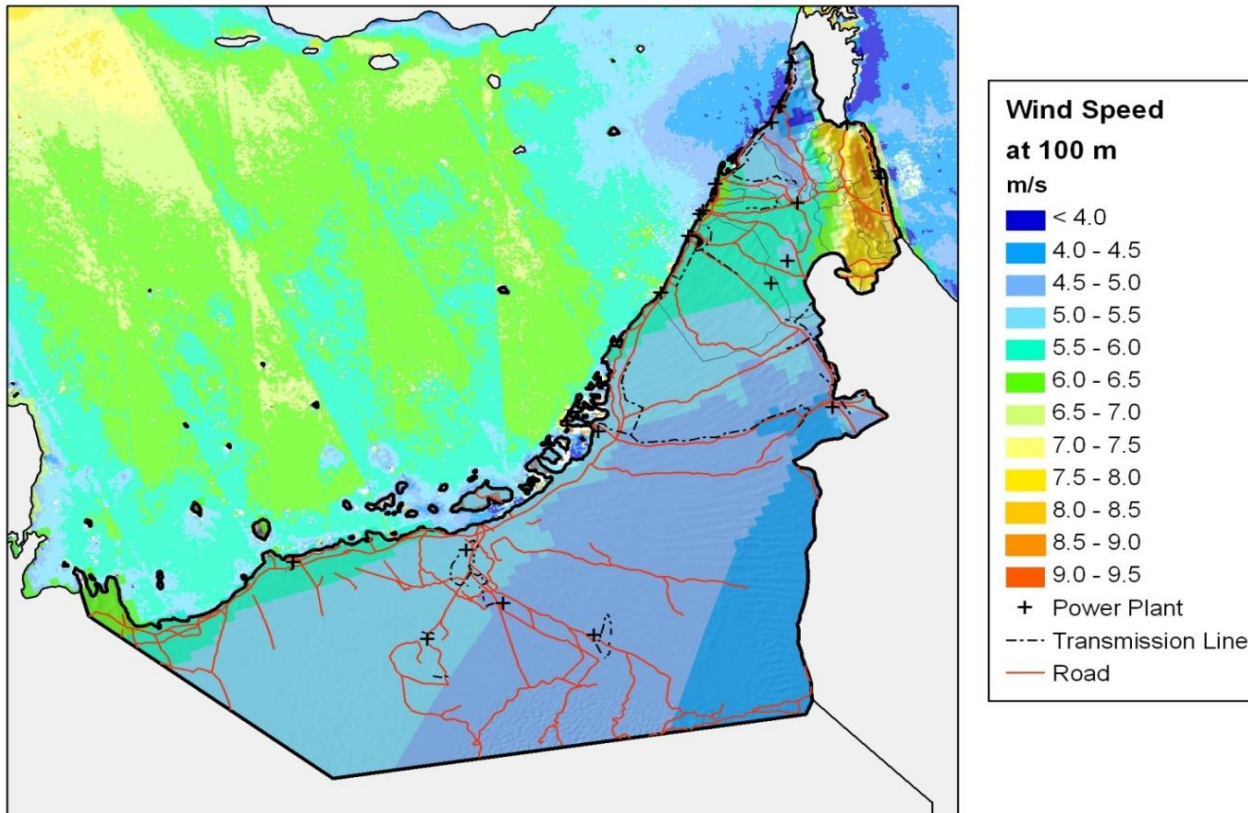
Abu Dhabi, January 26th, 2012

UAE Wind Energy Resource Atlas (wind speed, power plants, transmission network, roads)

1

Resource mapping

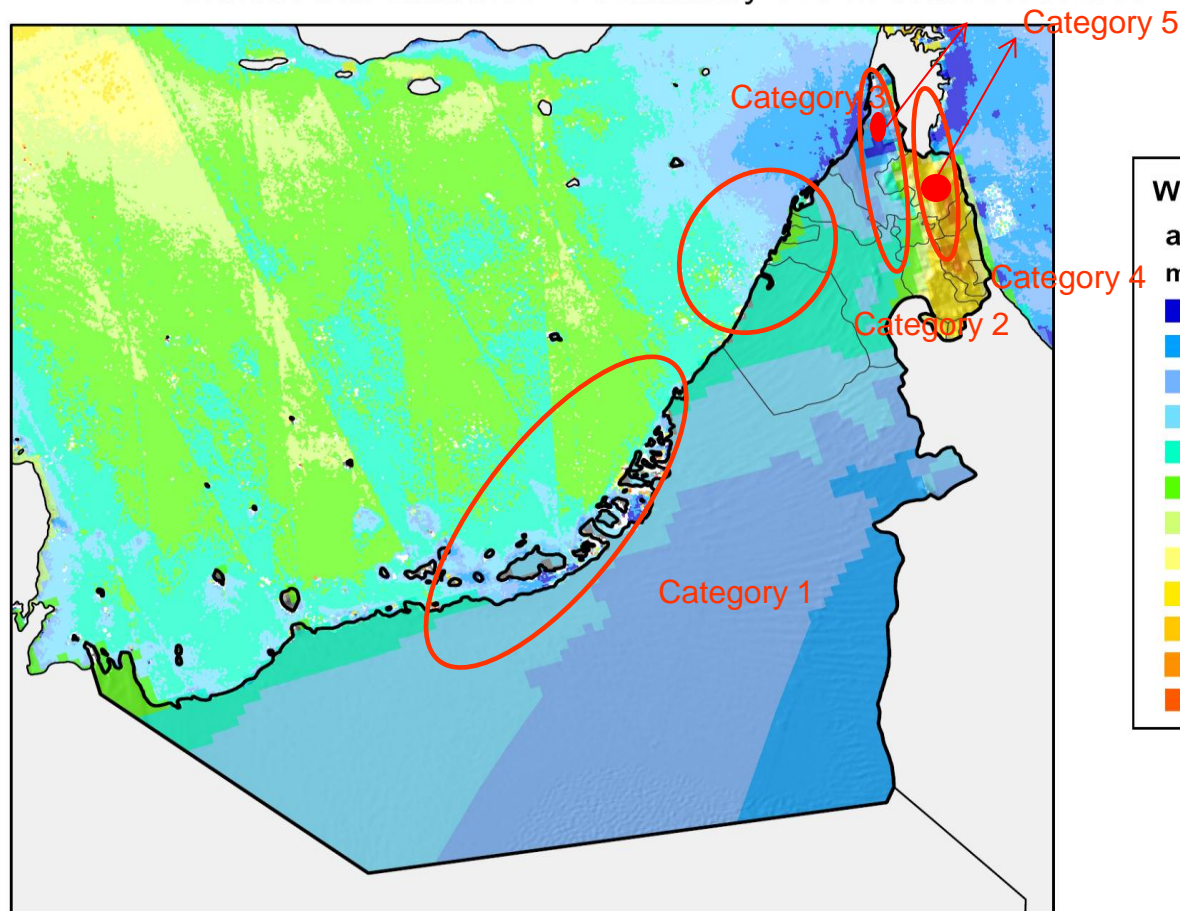
United Arab Emirates - Preliminary 100 m Wind Resource



- ☐ Wind Energy Resource Atlas enables Site Selection, the 1st step in Wind Project Development.
- ☐ Critical factors for site selection are:
 - ☐ Evidence of strong wind
 - ☐ Current use of land/Terrain
 - ☐ Proximity to transmission lines
 - ☐ Reasonable road access
 - ☐ Environmental Factors
 - ☐ Receptive Community

We used the Wind Atlas to evaluate potential

United Arab Emirates - Preliminary 100 m Wind Resource



- We used the terrain/land use data as well as the wind speed data to create our own five categories to evaluate economic potential in UAE

**Wind Speed
at 100 m
m/s**



Category

Wind Speed
[m/s]

1	Low Lands	4.0
2	Close to the Mountains	5.0
3	In the Mountains	6.0
4	On Top of the Mountains	7.0
5	Prime Mountain Positions	8.0



THANK YOU