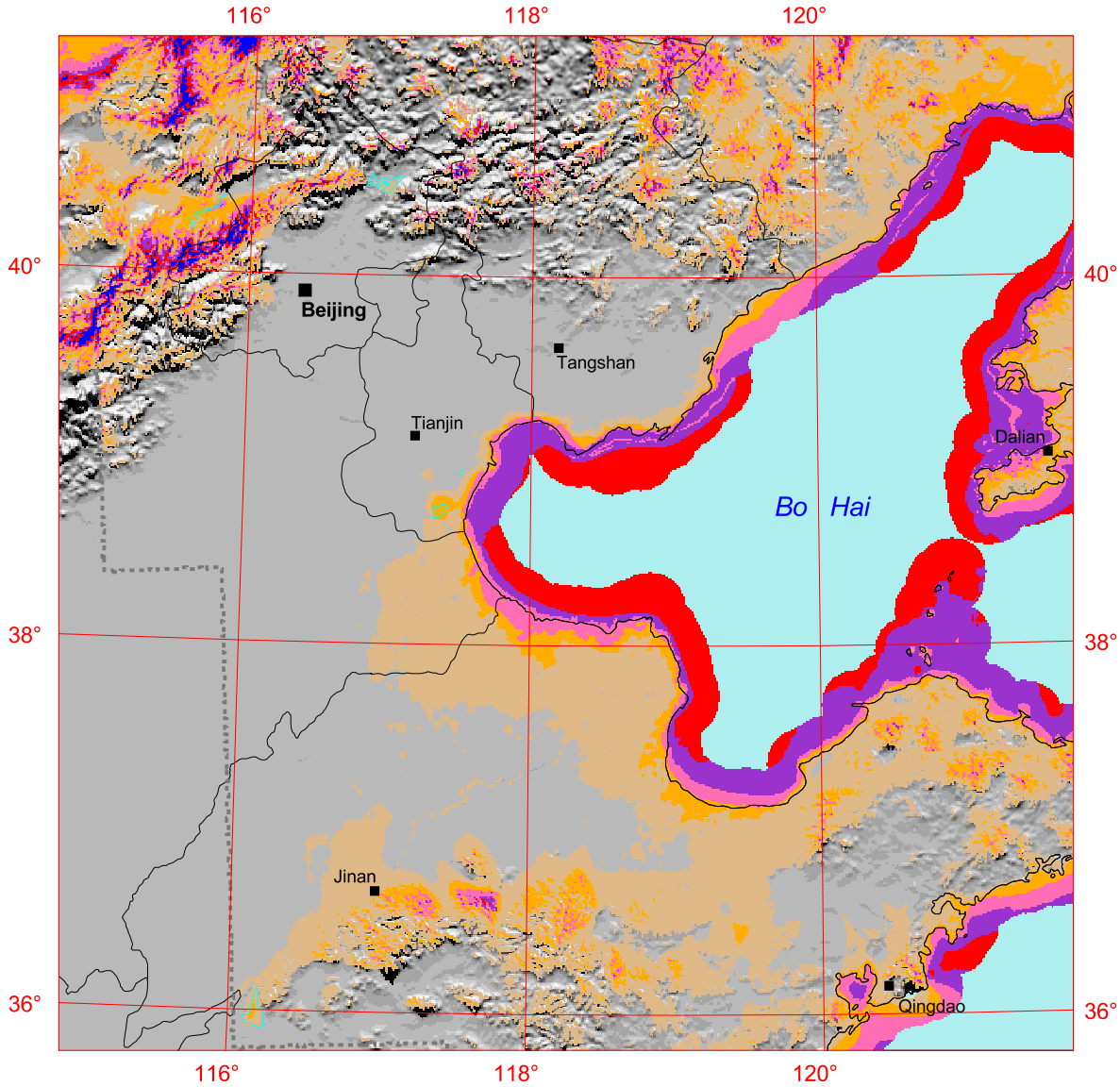
# China - Tianjin - 50 m Wind Power




Solar and Wind Energy Resource Assessment

United Nations Environment Programme

Global Environment Facility

## Wind Power Classification

| Wind Power Class | Resource Potential | Wind Power Density at 50 m W/m² | Wind Speed[a] at 50 m m/s |
|---|---|---|---|
| 1 | Poor | 0 - 200 | 0 - 5.6 |
| 2 | Marginal | 200 - 300 | 5.6 - 6.4 |
| 3 | Moderate | 300 - 400 | 6.4 - 7.0 |
| 4 | Good | 400 - 500 | 7.0 - 7.5 |
| 5 | Excellent | 500 - 600 | 7.5 - 8.0 |
| 6 | | 600 - 800 | 8.0 - 8.8 |
| 7 | | > 800 | > 8.8 |

[a] Wind speeds are based on a Weibull k value of 2.0

50 0 50 100 150 200 Kilometers

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