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RE Mapping at the Country Level: Wind Daran Rife



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What infrastructure is required?

Supercomputer





What inputs are required?





















Limitations of mesoscale weather models

Nature

Weather Model





Limitations of mesoscale weather models



Nature



Step 2: On site measurements



Use equipment with industry specific track record!







Proper mounting of instruments is critical

IEC 61400-12-1

"Wind turbines – Part 12-1: Power performance measurements of electricity producing wind turbines"





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Placement of met masts is also very important

If your project will look like this:

<u> </u>	6666	
이야 가슴날 모두 모		

Don't measure in the windiest location



Or near obstacles that are not representative of your site



Find the most representative and most central location (with a cooperative land owner).



Conclusion

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Mesoscale maps primarily used at early stage for project identification and for designing measurement campaigns.



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Thank you

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