

Be prepared: The most advanced aerodynamic models for large wind turbines are coming!

13 of the world's leading companies in aerodynamics have now teamed up in the AVATAR project. They are developing the most advanced aerodynamic models for the next generation of large wind turbines, up to 20MW. These models are essential ingredients for integral design codes for large scale wind turbines and will be thoroughly validated.

AVATAR will organise several events in order to share the latest developments and results.

Please keep an eye on AVATAR's news at www.eera-avator.eu

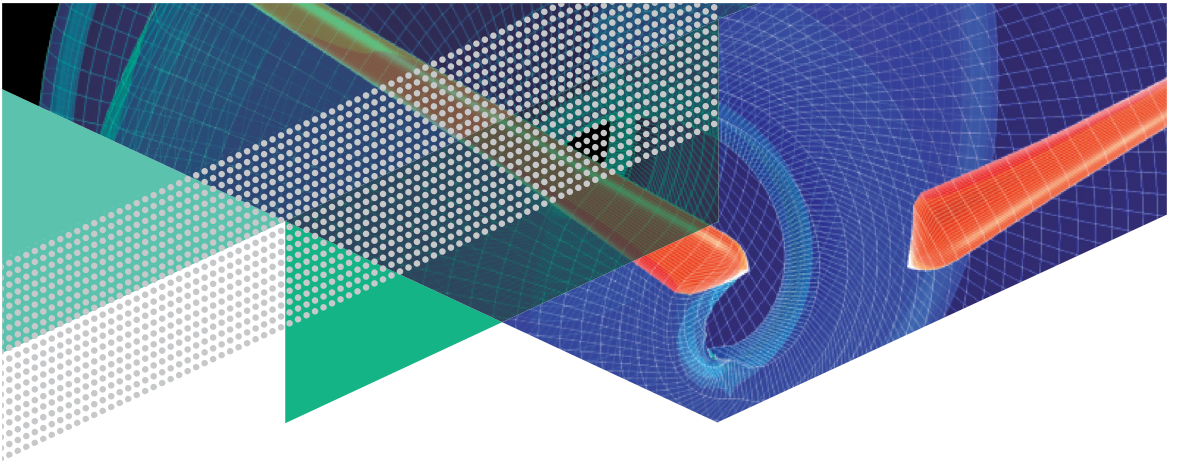
Advanced aerodynamics will bring forward offshore (and onshore) wind farms with large wind turbines!

Project coordinator



Partners





| Ambitions

In the coming 4 years the AVATAR team will work on groundbreaking improvements in aerodynamic models. The key ambition is to bring wind turbine design codes to the next level by improving aerodynamic models for large-scale 10 MW+ rotors.

The entire chain of aerodynamic modelling will be mobilised, ranging from computationally efficient engineering tools to advanced high fidelity, but computationally expensive tools. Comprehensive models will be calibrated with high fidelity models. The models are improved and validated by wind tunnel and field measurements.

The AVATAR project is initiated by the European Energy Research Alliance (EERA) and has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grand agreement No FP7-ENERGY-2013-1/n° 608396.



Do you wish to know more?

Please visit www.eera-avатар.eu or contact the coordinator at ECN:

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