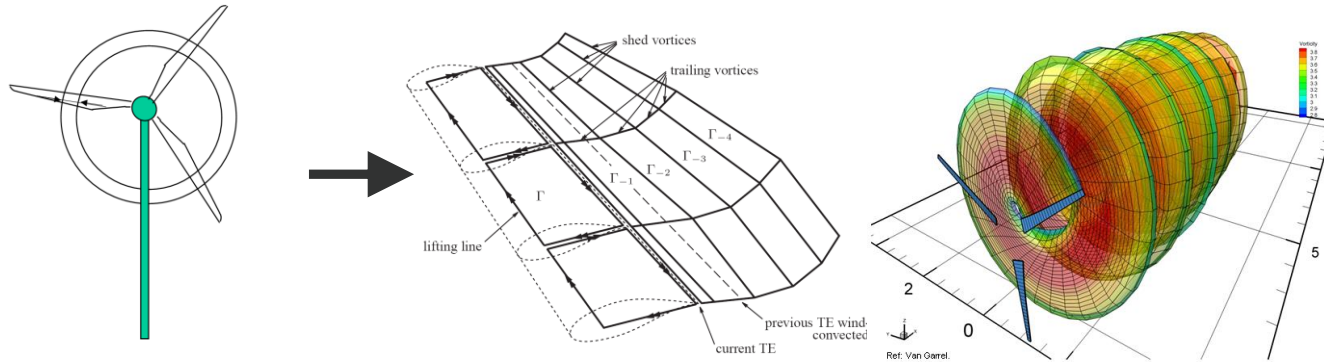


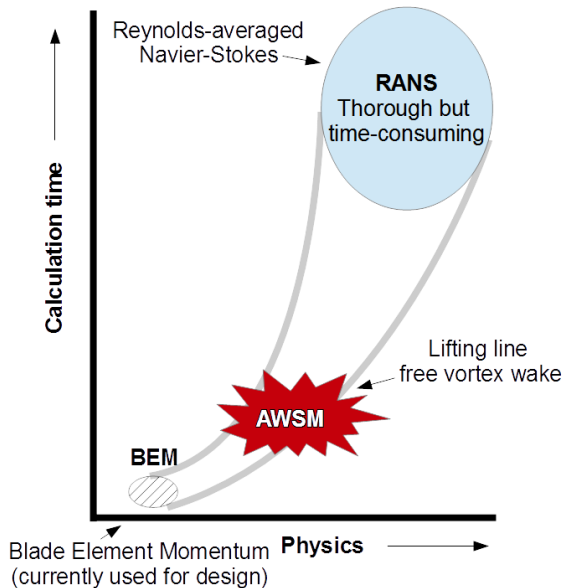
# TKI Vortex Loads on rotor aerodynamics



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Knowledge Centre **WMC**  
Wind turbine Materials and Constructions



-Evaluate reduction in fatigue loading using a vortex-wake model instead of the blade element momentum model

-Make vortex-wake models ready for application to design load calculations

***More accurate (fatigue) load predictions have large potential to reduce CoE enabling lighter and/or larger blades***

