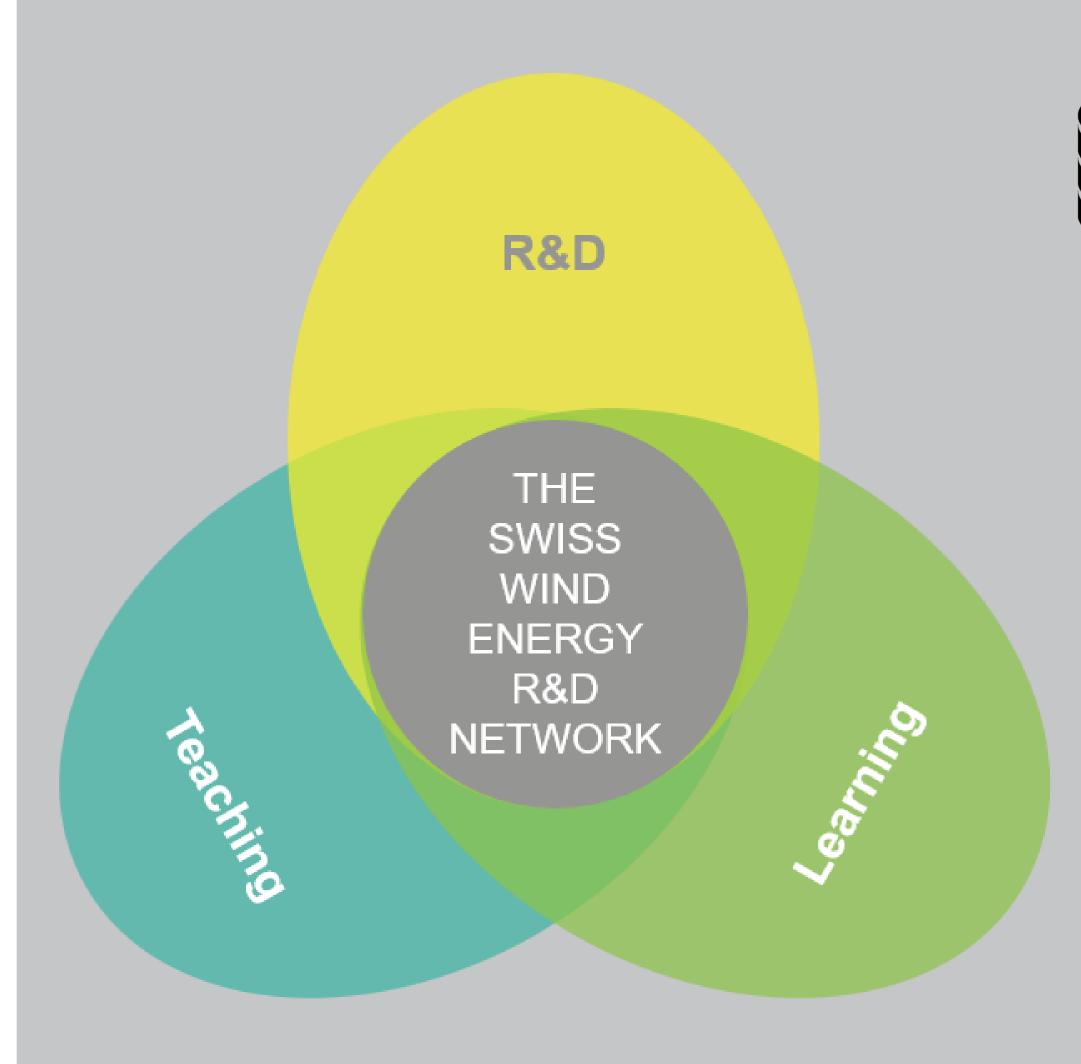
A WIND ENERGY REVOLUTION IN SWITZERLAND?



BUNDLING SWISS WIND ENERGY R&D CAPABILITIES

THE SWISS WIND ENERGY R&D NETWORK

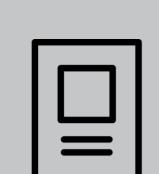


DATABASE

Find project partners, experts, customers, students, interns and more amongst members



R&D project calls, funding information and wind energy experimental test facilities.



PROJECT PAGE

Post and view your project ideas and requests as well those from other members



Coordination of international collaborations and working group participation.



EVENTS

Attend our yearly forum, bi-monthly informal meet-ups or operators' workshops.



TEACHING 888 RESOURCES

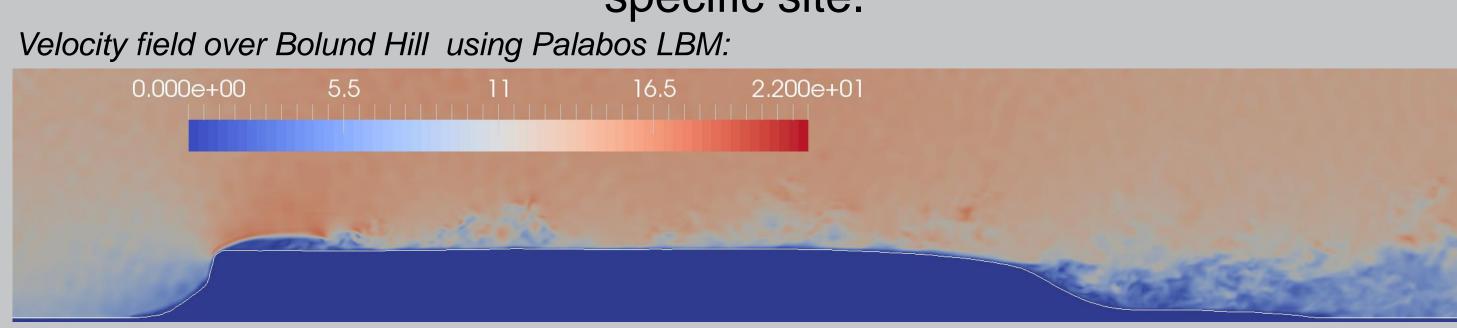
List of existing wind energy courses in Switzerland and abroad, online teaching resources.



THE NEW WIND ENERGY RESEARCH PROGRAMME AT HSR

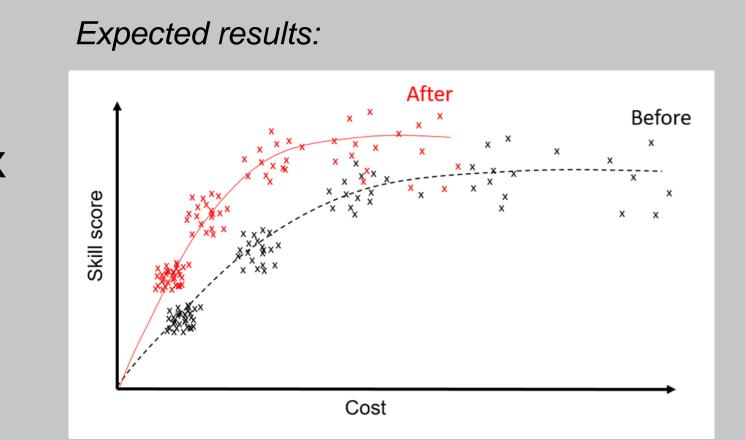
PRAGMATIC CHOICE OF WIND MODELS IN **COMPLEX TERRAIN**

Developing a new process for the pragmatic choice of wind models in complex terrain, helping wind modellers choose the best model for a specific site.



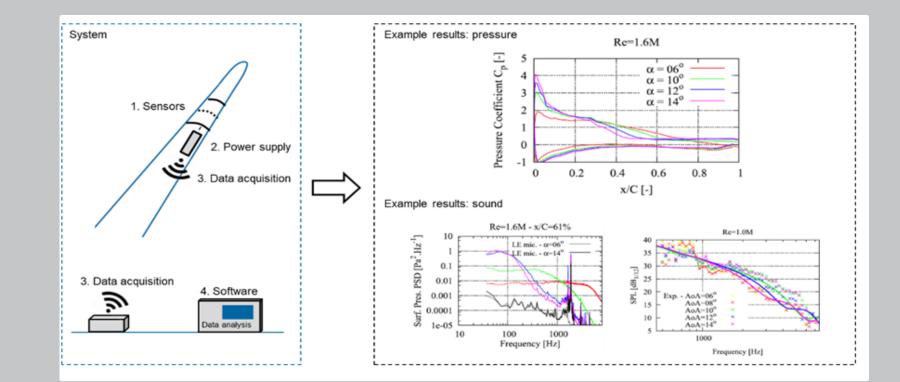
COMPARISON METRICS CHALLENGE

Implementing a public "simulation challenge" for wind energy sites in complex terrain and developing transfer functions for the accurate prediction of tool suitability.



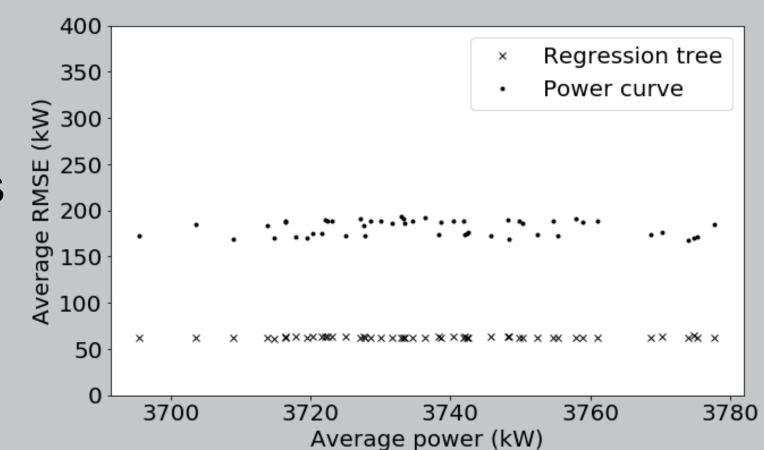
AEROSENSE

Developing a novel mems-based surface pressure and acoustic smart measurement system for wind turbines.



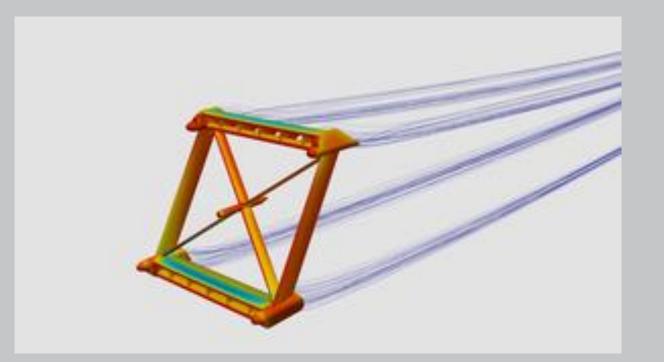
MACHINE LEARNING POWER CURVE

Applying regression tree methods o improve sitespecific power predictions for more accurate wind farm planning and operation.



SKYPULL AERODYNAMICS

Implementing a new aerodynamically optimised multiwing design of the Skypull flight device using a novel aerodynamic simulation tool based on the Lattice Boltzmann Method.



RECYCLOBLADE

Developing bio-materials based on flax plants for more environmentally-friendly rotor blades.



