



The Contribution of the Swiss Mountains to the Energy Turnaround with New Renewables (Wind)

Michael LEHNING, Annelen KAHL, Felix von Rütte, Jérôme DUJARDIN, Bert KRUYT, Stuart

EPFL



SCCER  **SoE**

SWISS COMPETENCE CENTER for ENERGY RESEARCH
SUPPLY of ELECTRICITY

ARTLETT

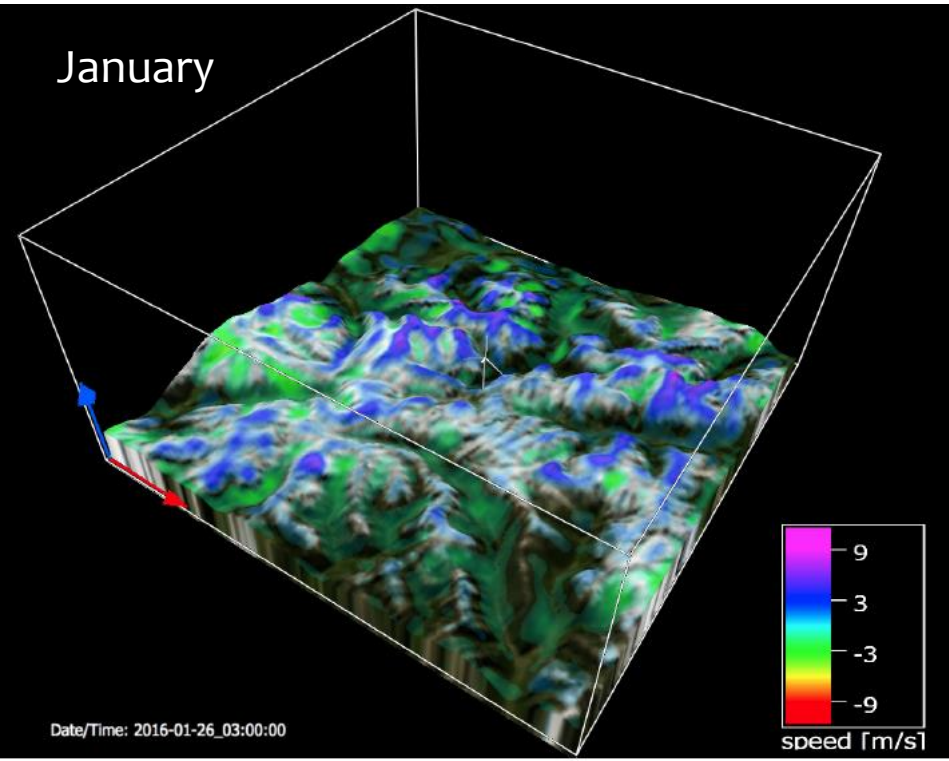
Michi Lehning - CRYOS - EPFL Laboratory of the WSL/SLF

Cetero Censeo: WRF-HR simulations show untapped wind potential in complex terrain

- **Difference** in wind speed estimates between COSMO2 (2.2 km resolution) and WRF (450 m resolution)
- Two specific weather situations

Main Alpine passes around Andermatt (Gütsch). WRF provides more accurate results.

January



March

