

## **Heinz-Theo Mengelkamp - WIND CLIMATE SIMULATION OVER COMPLEX TERRAIN**

The estimation of the wind climate and the energy yield of wind turbines over complex terrain remains a challenge. The structure of the atmospheric boundary layer and small-scale local wind systems show a wide variety of spatial and temporal scales. The combination of high quality measurements and numerical simulation models will help to understand the complex structure of the wind field. The wind consultant community has recognized the strong need for more research in this respect and new developments are under way.