

## NAWEA/WindTech 2024 – IEA Task 52 Site Meeting

(Stand: 24-10-2024)

### Agenda

- 0800-0830 *Arriving and coffee*
- 0830-0850 Welcome note, overview of Task 52 and subgroups (Julia Gottschall, Fraunhofer IWES)
- 0850-0910 Overview of lidar efforts in US (Pat Moriarty, NREL)
- 0910-0930 Wind resource assessment over complex terrain based on LiDAR measurements (Sonia Wharton and Matteo Puccioni, LLNL)
- 0930-0950 Future plans ~ wind lidar at DTU (Jakob Mann, DTU)
- 0950-1010 Lidar Deployments during SWEX and WFIP-3 Field Campaigns: Characterizing Downslope and Offshore Flows (Griffin Modjeski, UND)
- 1010-1020 *Short break*
- 1020-1040 An adaptive system for detecting rotor layer turbulence using Edge computing (Bobby Jackson, ANL)
- 1040-1100 Wind Profile Reconstruction in the Atmospheric Boundary Layer with Conditional Diffusion Model (Mata Storm, MIT)
- 1100-1120 Turbulence and gust retrievals with profiling Doppler wind lidar, new retrievals and validation at the WiValdi research park (Norman Wildmann, DLR)
- 1120-1140 Quick demo: LiDARGO, LiSBOA lidar processing codes (Stefano Letizia, NREL)
- 1140-1200 Final note / discussion =what's next