

IEA Wind Task 52 General Meeting 2024

Agenda (Stand: 12-05-2024)

Dates: 14-15 May 2024

Location: Fraunhofer ENIQ, EUREF-Campus 23/24, 10829 Berlin

Day 1 (14 May 2024) – all times CEST

- 8:30 - 9:00 Coffee / tea
- 9:00 - 9:30 Welcome / overview of Task 52
- 9:30 – 11:00 Presentations (Developed solutions and ongoing challenges)
- Wei Fu (sowento): “Impact of wind models and data processing on lidar-assisted control performance”
 - Tobias Eichelmann (Nordex): “Acceptance Criterion of DNV RP-0661”
 - Sayantan Chattopadhyay (Vestas): “LiDAR only Site Suitability - A potential way forward from an OEM perspective”
 - Marco Turrini (TNO): TBC
 - Andy Clifton (enerlace): “Lessons learned developing a wind lidar monitoring app”
- (15 min coffee/tea break)
- 11:15-12:30 Panel discussion → Focus on lidar in a digital world
- 12:30-13:30 Networking Lunch
- 13:30-14:45 Presentations (Focus on [ultra]long-range scanning lidar)
- Lukas Pauscher (University Kassel / Fraunhofer IEE): “Offshore dual-Doppler scanning lidar for power performance and wake measurements: the influence of turbine tilt and synchronized adaptive control”
 - Christian Schiefer (Leonardo Germany): “Long range scanning Doppler lidar for the wind energy; How accurate is it and how to proof it?”
 - Leon Heinze (Metek): "Long range lidar for short term wind predictions for offshore wind parks"
 - Julien Haize (TotalEnergies): TBC
- 14:45-15:15 Overview of challenges addressed in Task 52 (format TBC)
- (15 min coffee/tea break)
- 15:30-16:30 Breakout session #1 (Wind lidar in 5-10 years – what are the topics, challenges and required solutions?)
- 16:30-17:30 Summary in plenum and wrap-up of Day 1

Day 2 (15 May 2024) – all times CEST

- 8:30 - 9:00 Coffee / tea
- 9:00 - 9:15 Welcome / summary Day 1
- 9:15 - 10:45 Focus on Task 52 working groups
- #1: TI (Richard Frühmann, Jakob von Eisenhart Rothe)
 - #2: LAC (David Schlipf)
 - #3: Complex Terrain (Alexander Stökl)

- #4: Cold Climate (Sara Koller)
- #5: Digitalization (Andy Clifton)
- #6: Scanning Lidar (Andy Oldroyd)
- #8: NML-X (Andrew Black)

(15 min coffee/tea break)

11:00-12:00 Breakout session #2 (Review of Task 52 vision / roadmaps)

12:00-12:30 Summary in plenum

12:30-13:30 **Networking Lunch**

13:30-14:30 Presentations:

- Upcoming activity on Floating Lidar
- IEC MT50 and Task 52
- Lin-Ya Hung: “Wind radar – just lidar with longer range?”

14:30-15:30 Breakout session #3 (what’s next)

(incl. coffee/tea break)

15:30-16:00 Summary in plenum and wrap-up