

IEA Wind TCP Task 52 (Wind Lidar)

Working group (6): Offshore Scanning Lidar

Objective:

Scanning Lidar (SL) is an increasingly utilised tool for wind resource assessment and site condition use-cases within the wind sector. The technology has proven itself as being able to deliver high quality datasets in challenging flow conditions and environments, but as yet the knowledge base surrounding its use, setup and quality control is limited to relatively few users.

This task will collate user experience and current practice to form Recommended Practices, enabling the technology to be used by a wider community.

The publication of Recommended Practices for Scanning Lidar (RPSL) will bring the technology in line with other Lidar products.

Deliverables:

The core delivery is of course the - Recommended Practices for Scanning Lidar.

Periodic open community webinars will be held to present progress and invite comment from the wider wind community.

At key stages, technical reports and publications may be issued. The frequency and nature of these publications will be defined by the RPSL WG.

Approach:

The project will be delivered by a working group (WG) consisting of experienced SL users. The work will focus on a number of key themes covering testing, wind field reconstruction, uncertainty and campaign design.

The RPSL working group will meet periodically to discuss progress and assign tasks.

Timeline:

The RPSL will start in Q4 2022 and programmed to be complete within a 48-month period.

Contact:

If you are interested to hear more or be involved, then please contact: Andy Oldroyd, Oldbaum Services andy@oldbaum.co.uk

