IEA Wind TCP Task 52 (Wind Lidar)

Working group (4): Cold climate

Summary of the objectives:
The work of the group concentrates on two main objectives and tries to answer the following key questions:
- LiDAR data availability: What are the reasons for the low data availability in cold climate regions? Is there a way to increase data availability in cold climate regions?
- Meteorological icing detection with LiDAR: Are LiDAR suitable to detect meteorological icing? Is it possible to estimate ice classes from LiDAR data?
Additional objectives might be added in the future.

Planned deliverables:
The expected deliverables will be in the form of technical notes or presentations (all to be published on Task 52 Zenodo site and LinkedIn). They will concern the key questions described in the objectives.

Group approach:
The group will meet online every four weeks to discuss general progress. There may also be participation in face-to-face conferences.

Timeline:
The schedule is not strictly defined. Note that the activities build on the working group already established in Task 32, but new participants are very welcome.

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