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## Sectoral Analysis of Wind Speed and Turbulence Intensity over Forest and Open Land

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More and more wind turbines are built onshore and reduce the available areas for wind energy. Forests are an additional potential for wind energy priority areas.

But the high roughness of wooden areas and the resulting turbulences make it difficult to assess sites in forests.

In order to cope with this problem some measurements, using Lidar and met masts were done inside and outside wooden areas. Therefore, two posters were created, dealing with the dependence of turbulence intensity on wind speed and wind direction.

This poster summarises the existing results, concentrating on the sectoral analysis of wind speed and turbulence intensity.

Furthermore it investigates the differences of inflow over landcover with low and high surface roughnesses.