



Analysis of wind conditions on the Faroe islands based on roadside wind measurements and WASP

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For the Faroe Islands – intending to increase the share of wind energy to the electricity supply - a comprehensive mapping of the wind potential is missing up to today. With dedicated meteorological measurements missing, source for site wind data are formed by a set of meteorological stations with 10m above ground wind measurements intended to monitor road conditions. Stations are thus –due to the complex topography of the islands - mostly positioned at locations not optimal for wind energy studies.

We will describe the attempt to use these data for a scanning of the wind energy relevant information in view of both wind energy potential and design relevant extreme wind gusts.