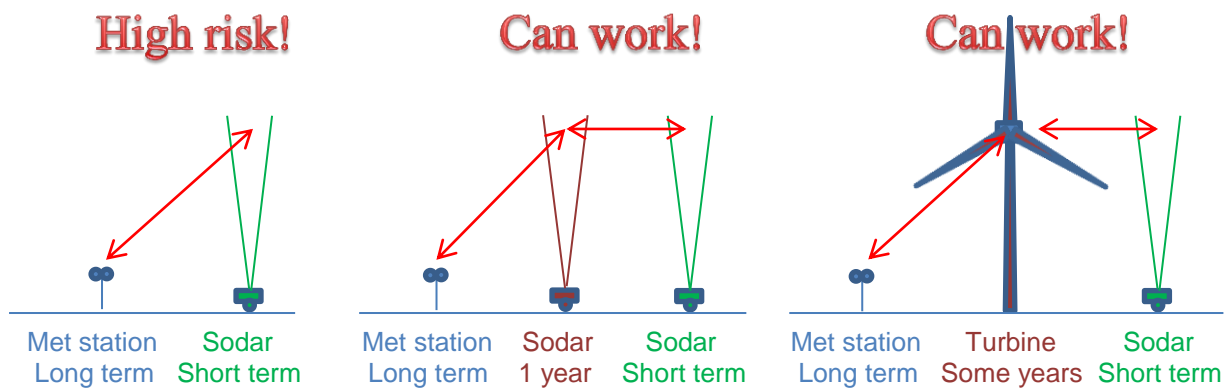


Use of short measurement campaigns

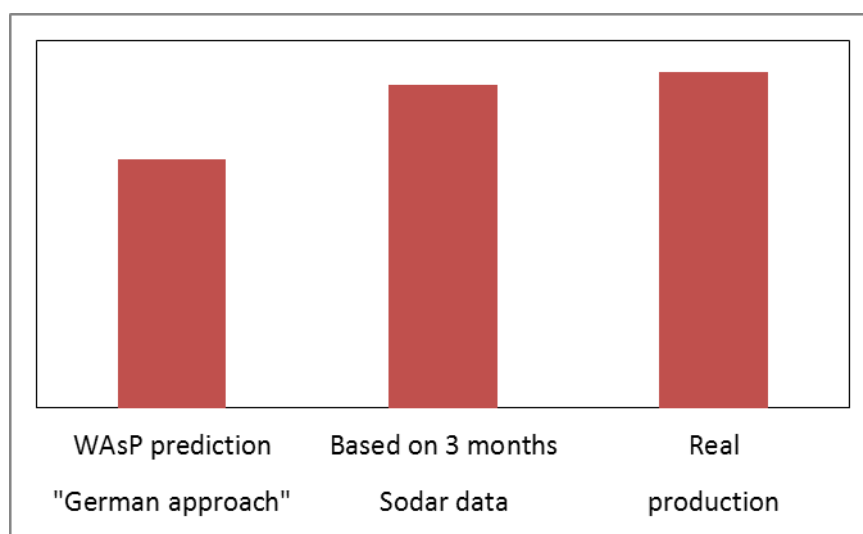
It is commonly accepted, that wind measurement campaigns for site assessment should last for at least one year. However, anemos-jacob GmbH has encountered many cases where the extension to two years increased the reliability of the result significantly. This depends on the weather of the observation period.

On the other hand, anemos-jacob GmbH has successfully combined the data from short measurements with other data to achieve reliable results with just a few months of data. The trick is to use intermediate data sources referring to similar levels above the ground to bridge the gap between the short term and long term data sets without being trapped by the consequences of the seasonal and short term variation of the wind shear.



Real example:

Wind farm in a forest, 140 m hub height, using the above right hand method



Real production is 4 % above the prediction which was based on a 3 months Sodar campaign.