



Weather Window Planning

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Effective planning of weather-sensitive operations is a crucial aspect of various types of activities, like transport. For safe and efficient planning the inherent uncertainties in weather forecasts need to be accounted for. This is especially the case for forecasting at longer lead times where it is necessary to analyse the forecast in a probabilistic and not just deterministic way. For example what are the chances that the weather conditions will vary from the forecast and, if so, to what extent will they differ? And ultimately, what is the risk that the weather will impinge on a particular operation? The main challenge with probability forecasting is to convert a vast amount of complex information into a simple and easy to understand format so that critical decisions can be made quickly and efficiently. MeteoGroup has developed a user-friendly planning tool called WeatherWindowPlanner which can help clients determine suitable time windows to perform planned operations. The power of WeatherWindowPlanner is that it features probabilistic calculation of weather windows, thereby helping clients to analyse their risk exposure given various weather limits and weather window requirements. This allows users to make data-led decisions based on risk profiles for certain operations. For example, for some operations even a 1% risk exposure might be unacceptable, whilst for other less sensitive procedures an 80% risk might be acceptable. Ultimately this helps to maximise project uptime whilst minimising exposure to weather risks.