



## **Ensemble based high-impact weather warning and its verification in korea**

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For the impact forecasts to provide the probability of occurrence of the risk weather in each region, meteorological occurrence probability of the UM local ensemble (LENS) was calculated. We used a method of averaging the probability of occurrence of meteorological phenomena in the area. As a result, we confirmed that the calculation method using probability averages closely approximates the grid-based probability of occurrence than the previous study (Neal et al., 2013). On the other hand, for the calibration of the LENS, the probability prediction information was verified based on the observation data.