



## **Evaluation of high resolution operational NWP for the UK**

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Operational high resolution NWP guidance at the Met Office started in April 2005 with the introduction of a 4 km configuration of the UM to T+36 twice a day. Since then several improvements have been implemented, mainly the introduction of a full data assimilation system and increased availability to 4 forecasts per day in December 2005. We analyse the performance of the model, paying particular attention to extreme weather events, and present an outline of future improvements.

To further improve the availability of high resolution NWP products, a convective scale, 1.5 km gridlength, re-locatable model was introduced in December 2006 with a choice of 9 different sub-areas. We describe the system and analyse how it has performed so far.