

Séminaire **lundi** 16 juin 2014 11h TE
Seminar **Monday** June 16th 2014 11h ET

Sujet/Subject :NWP Post-Processing at the UK Met Office

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Langue/language : Anglais / English

Résumé / Abstract:

The Met Office runs a range of NWP model configurations, including both deterministic and ensemble convection-permitting models over the UK. A number of enhancements are planned over the next few years, including resolution increases and more rapid update cycling.

Post-processing (including statistical correction) is applied to provide a range of both gridded and site-specific products, with extrapolation-based nowcast techniques, providing frequent-update, very short range forecast.

In 2010, 'BestData' was implemented to provide an optimal blend of all available observations and NWP sources and produce the most accurate forecast for a specific location from now through to day 15. BestData is currently run for over 5000 sites in the UK and a further 5000 sites around the globe, and includes detail of the spread of solutions in the blend to allow a full suite of probabilistic outputs to generated. Over the next few years, a gridded version of 'BestData' will be developed, considering the 'blending' of these forecasts in time and space, and the application of ensemble calibration methods applied to correct the bias and shape of the distribution.

This presentation will provide an overview of the current systems and the planned developments, as well as looking as the use of the resulting products.