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None

Andy Brown
ECMWF, Reading, Great Britain

Global numerical weather prediction: progress and plans

Accurate weather predictions are of huge value to society, being used to inform actions that save lives and money. They are also a scientific success story, with global 5 day forecasts today being as accurate as 2 days forecasts of 30 years ago. This talk will summarize the approach used, recent progress and future research and development priorities. These include further advances in understanding and modelling of multiple components of the Earth system (eg atmosphere, land, ocean and sea-ice), developments in observations and data assimilation methods, and bringing together the physical and computational science communities to take full advantage of new supercomputer architectures and advances in data science.

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