



Challenging Forecasts, Difficult Decisions

National Meeting

ECMWF, Reading

Wednesday 7th December 2022, 14:00 – 17:40

Abstract

Have you ever wondered what goes into a weather warning and what to do if one is issued? The prospect of extreme weather leaves users with difficult decisions. At the same time, predicting extreme weather can be a challenge in itself. Here, we explore the impacts and user-decisions associated with extreme weather, and the methods and issues in predicting the likelihood of such events. These two strands of enquiry meet as axes in "Impact-Likelihood" warning matrices, such as those issued by the Met Office. Following the talks, the audience will get their chance to participate in a "Live Science" event, where we hope to explore a real case as it unfolds, and issue our own warnings. Being our Christmas National Meeting, there will be festive refreshments during the interval.

Time	Title	Speaker
14.00	Welcome and Opening Remarks	Prof Liz Bentley, RMetS
14.10	When Will Santa Get To My House? A Tale of Forecast Uncertainty	Dr Cyril Morcrette, Met Office
14.40	Multi-Scale Predictions of Extremes - Current Capabilities and Limitations of a Global Ensemble System	Dr Linus Magnusson, ECMWF
15.10	Impacts and User-Decisions Associated with Extreme Weather	Prof Brian Haddock, Network Rail
15.40	Festive Refreshment Break	
16.10	The Met Office's Impact-Likelihood warning matrix - Grey, Yellow, Orange or Red?	Miss Rebekah Sherwin, Met Office
16.40	Live science event: Issuing a Weather Warning	Dr Mark Rodwell, ECMWF, Dr Keith Williams, Met Office
17.40	Meeting Close	

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This meeting is part of the Royal Meteorological Society National Meetings programme, open to all, from expert to enthusiast, for topical discussions on the latest advances in weather and climate. Non-members are welcome to attend these meetings.