



Mountain Meteorology: Climate Change and Forecasting Perspectives

Dynamic Earth, Edinburgh

Saturday 22 April 2023, 1.00pm – 5.30pm

Abstract

Discover the awe-inspiring beauty of mountains and the challenges they face in our rapidly changing climate. Join us for an eye-opening event that explores the impacts of climate change on mountain environments and the vital importance of understanding and predicting mountain weather and climate.

With over forty percent of the world's population relying on mountain resources for drinking water, agriculture, biodiversity, and hydroelectricity, it's essential to stay ahead of the curve. The 'Mountain Meteorology' event brings together three complementary areas of expertise.

Delve into the main aspects of climate change and its consequences for mountain habitats, which are particularly vulnerable to its effects. Then, gain a forecaster's perspective on the unpredictability of mountain weather prediction. The session concludes with a personal account from a mountaineer and forecaster, sharing their experiences of mountain habitats in the UK.

Don't miss this opportunity to gain insight into the natural world and how we can help these vital environments continue to thrive.

Meeting Organisers – Ioana Colfescu

12:30	Registration & Refreshments	Refreshments will be available in the Biosphere Blue room
13:00	Welcome	Gregory Wolverson, Met Office, RMetS Scottish Local Centre incoming Chair.
13:05	Climate Change in the Mountains	Massimo Bollasina, School of GeoSciences, University of Edinburgh
13:45	Mountain Forecasting in the UK: An Overview	John Mitchell, Met Office Aberdeen
14:25	Experiencing Mountain Weather: A Forecaster's Perspective	Michael Reading, Met Office Aberdeen
15:05	Challenges in Forecasting Mountain Weather – Case Studies	Geoff Monk, Mountain Weather Information Service
15.45	Refreshments	Refreshments will be available in the Biosphere Blue room.
16.00	Walking Tour	90 minute walking tour to take place after the meeting and return to Dynamic Earth.

If you're posting on Twitter about this meeting, please use **#RMetSMeet**

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.