

23 MAY 2022

Monday, 16:30 IST
(11 UTC)

#AzadiKaAmritMahotsav

Lecture Series on

Cloud and Precipitation Physics and Dynamics



Ministry Of Earth Sciences
Government of India



Implementation and testing of a double moment cloud microphysics in UK Met Office regional Numerical Weather Prediction

About the speaker:

Paul Field holds a joint position with the Met Office and the University of Leeds. Paul studies the processes within clouds, on the microscopic scales which control the formation of rain and other precipitation, to the scales of organised weather systems. He makes use of field measurements, especially from the FAAM research aircraft, to develop new theoretical ideas about cloud processes and dynamics. As part of the Dynamics and Clouds research group at Leeds, he collaborates closely with those studying cloud physics and larger-scale weather systems. His group at the Met Office is using these results to develop the next generation of weather and climate prediction systems.

Abstract: The speaker will introduce the new double moment microphysics (CASIM) for use in the Met Office Unified Model. Results will be shown for performance in the Tropics and over the UK. Improvements will be highlighted as well as a discussion about what challenges remain.



Prof. Paul Field

UK Met Office & University of Leeds



<https://youtu.be/cE1P7iq3W-Y>