

## **Cloud forecasting scheme improvements update**

### ***Abstract***

This report presents the work of the Atmospheric Processes and Parametrizations team, funded by the Civil Aviation Authority (CAA), to improve cloud forecasting for aviation. It highlights recent developments to Regional Modelling systems including the Regional Atmosphere and Land configuration (RAL3) package, due to go operational during 2025 and ongoing efforts in the Unified Physics project, which aims to create a single cloud scheme to work seamlessly across both global and regional scales.