Contribution ID: **15**   Type: **not specified**

Wind information from satellites (Atmospheric Motion Vectors)

Friday, 11 March 2022 10:20 (1h 15m)

Dynamical information can be analysed in a 4D-var assimilation system through radiance assimilation combined with the adjoint of the forecast model. 4D-var finds a solution that fits the observations by moving features (i.e. adding a wind increment) rather than changing the feature. We will begin by discussing the atmospheric motion vectors and radiance assimilation, concentrating on the technique, main challenges in assimilation and the current state of the art.

Presenter: WARRICK, Francis (ECMWF)