



## **Transport of Sulphur and Halogenated Species to the Stratosphere in the Asian Monsoon**

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The Asian Monsoon is an important region for the transport of gases from the troposphere to the stratosphere. Important species which are transported include halogenated short-lived species, which destroy stratospheric ozone, and sulphur compounds, which maintain the stratospheric aerosol layer. Troposphere-to-stratosphere transport in this region has been the focus of a number of recent campaigns, and will also be the topic of the EU StratoClim campaign in summer 2016.

This poster will use high resolution simulations (1 x 1 degree) of the TOMCAT/SLIMCAT off-line 3-D chemical transport model to investigate the structure of the Asian Monsoon and tracer transport within it. The model is forced by ECMWF analyses. Comparisons will be made with in-situ and remote satellite data.