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## Quantification of water vapour transport from the Asian monsoon to the stratosphere

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We use multiannual simulations with the chemistry-transport model CLaMS (Chemical Lagrangian Model of the Stratosphere) to analyze water vapour transport from the Asian monsoon region to the stratosphere. Further, we make comparisons of the transport characteristics from the Asian monsoon to the stratosphere with those of other source regions (e.g. from the tropics). In addition, we characterize the transport efficiency of the monsoon region compared to other source regions and bring our results into context with previous studies, which have focused on water vapour transport from the Asian monsoon to the stratosphere. These analyses are complementing the previously published work by Ploeger et al. (2017), who have analyzed mass transport from the Asian monsoon anticyclone to the stratosphere.

The presented findings have been recently published in *Atmospheric Chemistry and Physics* (Nützel et al., 2019).

### References:

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