

**Institut für Meteorologie und Klimaforschung  
KIT Campus Nord / KIT Campus Süd**

---

Dozenten: Prof. Dr. P. Braesicke, Prof. Dr. A. Fink, Prof. Dr. C. Hoese,  
Prof. Dr. P. Knippertz, Prof. Dr. Ch. Kottmeier, Prof. Dr. Th. Leisner,  
Prof. Dr. J. Orphal, Prof. Dr. J. Pinto, PD Dr. M. Höpfner, PD Dr. M. Kunz

**Karlsruher Meteorologisches Kolloquium**

Einladung zum Vortrag

**" The role of the stratosphere in the Earth-climate  
system "**

**Herr Prof. Dr. Martin Dameris, DLR  
Institut für Physik der Atmosphäre**

**Dienstag, den 09. Mai 2017, 15:00 Uhr s.t.  
Campus Nord, Gebäude 435, Raum 2.05**

A short introduction of climate-chemistry interaction in Earth atmosphere will be given including a definition of Climate-chemistry models, their meaning and the strategy of Climate-chemistry model simulations. Scientific challenges, questions and tasks regarding the importance of the stratosphere in a changing climate will be presented. New results will be discussed, in particular with respect to stratospheric ozone in the past, present and future, effects of the stratosphere on the troposphere, and stratospheric water vapour fluctuations and trends.