

# Chemistry-Climate Model Validation (CCMVal) 2012 Workshop First Announcement

**Dates:** May 22-24, 2012  
**Venue:** Davos, Switzerland  
**Theme:** Process-oriented evaluation and analysis of troposphere-stratosphere chemistry-climate models



**Background and Scope:** As with past CCMVal workshops, the 2012 workshop will focus on process-oriented evaluation and progress in chemistry-climate modeling. However, in contrast to previous CCMVal workshops which have focused exclusively on stratospheric chemistry and its impacts on climate, this workshop will also include an emphasis on connections with tropospheric chemistry.

A description of the CCMVal activity, including a summary of previous meetings, is available at <http://www.pa.op.dlr.de/CCMVal/>. This activity aims to bring the expertise of the measurement and process-studies communities to bear on improving our confidence in future projections from CCMs. As such, the workshop aims to bring together groups of global and process modelers alongside representatives of in-situ and space-based observations.

**Workshop Goals:** We seek to encourage discussion of new observations and new methods that can be used to evaluate CCMs, and discuss progress in the evaluation and analysis of current CCMs. We also seek to link stratospheric and tropospheric coupled modeling efforts. Topics of the workshop include:

- ◆ Improvements in process-oriented evaluation and understanding of CCMs (incl. CCMVal-1 &-2) ,
- ◆ weighting of models in multi-model ensembles,
- ◆ circulation/chemistry response to ozone depletion/recovery and climate change,
- ◆ effect of stratospheric changes on tropospheric climate,
- ◆ chemical connections between the troposphere and stratosphere,
- ◆ chemistry, dynamics and transport in the upper troposphere / lower stratosphere (UTLS) region,
- ◆ stratospheric aerosols and impacts on climate,
- ◆ emission based model simulations of long-lived ozone depleting substances,
- ◆ findings from the ACC-MIP initiative (<http://www.giss.nasa.gov/projects/accmip/>) that relate to connections with the stratosphere.

**Workshop Format:** The meeting will include invited and contributed oral presentations, poster sessions, and focused discussions on the workshop topics.

**Registration and Abstract Submission:** Abstracts will be due in March 2012.

The workshop is being held under the auspices of WCRP's (World Climate Research Programme) SPARC (Stratospheric Processes and their Role in Climate) project and the Physikalisch-Meteorologisches Observatorium Davos (PMOD) / World Radiation Center (WRC).

**Scientific Organizing Committee:** Veronika Eyring (DLR), Arlene Fiore (GFDL), Andrew Gettelman (NCAR), Jean-Francois Lamarque (NCAR), Steven Pawson (NASA), Ted Shepherd (Univ. of Toronto), Kengo Sudo (Nagoya University), and Darryn Waugh (JHU)

**Local Organizing Committee:** Werner Schmutz, Sonja Degli Esposti, Eugene Rozanov, Stephanie Ebert, Tatiana Egorova (PMOD/WRC), and Andrew Gettelman (NCAR)