



## IGAC/SPARC Chemistry-Climate Model Initiative (CCMI) 2013 Science Workshop

- *Second Announcement* -

**DATES:**        **May 14-16, 2013**

**VENUE:**        Center Green, National Center for Atmospheric Research (NCAR), Boulder, USA

**BACKGROUND:** The Chemistry-Climate Model Initiative (CCMI, see <http://www.pa.op.dlr.de/CCMI/>) was created as a result of the IGAC/SPARC Chemistry-Climate Modeling and Evaluation Workshop held in Davos (Switzerland) in May 2012. The initial driver for this initiative is the realization that the chemistry and dynamics of the stratosphere and troposphere are now being studied and modeled as a single entity in global models. Consequently, CCMI supersedes the SPARC Chemistry-Climate Model Validation (CCMVal) activity and the IGAC hindcast activity is embedded in CCMI, to benefit from overlapping scientific interests and approaches of the tropospheric and stratospheric chemistry modeling and observational communities. Additional future CCMI activities may include new phases of the Atmospheric Chemistry-Climate Model Intercomparison Project (ACCMIP).

**WORKSHOP GOALS:** We seek to encourage discussion of new observations and new methods that can be used to evaluate and inter-compare CCMs, and discuss progress in the evaluation and analysis of current chemistry-climate models (CCMs) in the stratosphere and troposphere. We particularly welcome first results from analysis of CCMI-1 simulations and will discuss requirements for additional sensitivity simulations. We also seek to further link coupled stratospheric and tropospheric modeling efforts. Topics of the workshop include:

- Improvements in process-oriented evaluation and understanding of CCMs,
- Long-term changes and interannual variability in tropospheric and stratospheric constituents,
- Budget of tropospheric OH,
- Impacts of changing atmospheric forcings on the chemical composition,
- Circulation/chemistry response to ozone depletion/recovery and climate change,
- Chemical and dynamical connections between the troposphere and stratosphere,
- Chemistry, dynamics and transport in the upper troposphere / lower stratosphere (UTLS),
- The role of very short-lived halogen species (VSLS) on ozone.

**ABSTRACT SUBMISSION:** Deadline **31 March 2013**. Please see <http://ccmi.ucar.edu/> for details.

**WORKSHOP STRUCTURE AND AGENDA:** The workshop will consist of a combination of invited talks, contributed talks and posters. We aim to provide ample time for discussions to foster further development in research themes and the use of new observations for model evaluation. The meeting will begin at 9am and adjourn at 5pm each day. *Transport between the hotels and the meeting venue will be provided.* Participants will be provided a catered lunch, and morning and afternoon break refreshments. There will be a catered poster session and reception on Tuesday evening, and a group dinner on Thursday evening. The group dinner is not included in the registration fee.

**REGISTRATION & WORKSHOP FEES:** Please fill in the online registration form at your convenience at [https://www.regonline.com/CCMI\\_Workshop\\_2013](https://www.regonline.com/CCMI_Workshop_2013), but not later than **31 March 2013**. The workshop

registration fee is \$235.00. There will also be an optional group dinner on Thursday evening for an extra fee, to be collected at the workshop.

**FINANCIAL ASSISTANCE:** Limited financial assistance is available for participants who may need it in order to attend. If you like to apply for financial assistance, please send an email to both the SPARC ([office@sparc-climate.org](mailto:office@sparc-climate.org)) and the IGAC ([info@igacproject.org](mailto:info@igacproject.org)) office by **15 March 2013**, with an estimate of the requested financial assistance needed in US dollars (airfare, lodging, per diem, ground transportation, and registration fee). Priority will be given to young scientist (current MSc or PhD students or scientist having graduated within the last 5 years) and to scientists from emerging and developing countries. Please only ask for support in the areas where you absolutely need it in order to allow as many scientists as possible to attend the workshop.

**ACCOMMODATION:** Blocks of rooms have been reserved in three local hotels. Please make your reservations with the hotels directly. The room blocks will be released on **6 APRIL 2013**; rooms must be reserved before this date to guarantee pricing. Reference UCAR/NCAR CCMI when booking.

- [Millennium Harvest House](#)
  - Single rate: \$109/night plus tax; superior rooms available for an additional \$15/night that offer views of the mtns and/or gardens and include complimentary high-speed internet
  - Room rate includes breakfast buffet in the Thyme on the Creek Restaurant
  - Phone: 800.545.6285
- [Marriott Residence Inn](#)
  - Walking distance from Center Green
  - Studio rate: \$159/night plus tax
  - Room rate includes complimentary breakfast buffet and internet access
  - Phone: 800.331.3131 or 303.449.5545
  - [Book a Studio Suite at Residence Inn Boulder for \\$159.00 per night](#)
- [Best Western Golden Buff Lodge](#)
  - Single rate: \$74/night plus tax
  - Room rate includes complimentary deluxe continental breakfast
  - Phone: 303.442.7450

**TRANSPORTATION:** As mentioned above, shuttle service will be provided each morning and evening between the three listed hotels and the meeting venue.

The closest airport to Boulder is Denver International Airport (DIA). Participants may travel to Boulder by bus, rental car or by shuttle. The easiest and least expensive way to get from the Denver Airport to your lodging is the Super Shuttle. The Super Shuttle counter is on Level 5 in the main terminal (diagonal to the Hertz Rental Car counter). Shuttles operate daily every 15-30 minutes from 7 a.m. to 5:15 p.m. and then as needed. Super Shuttle serves all Boulder hotels. A reservation is not required for departure from the airport, but you can make a reservation online in advance if you wish at <http://www.supershuttle.com/>. Use the discount code "NCAR1" to obtain a \$5 discount (each way). A public bus is available for \$20 roundtrip, but requires a transfer within Boulder to get to the hotel. For groups of 2 or more traveling at the same time, you might consider a rental car, typically available at the airport for \$20-40/day (arrange in advance).

The workshop is being held under the auspices of the International Global Atmospheric Chemistry (IGAC) Project and the WCRP's (World Climate Research Programme) SPARC (Stratospheric Processes and their Role in Climate) project.

## CONTACTS

### *Co-Chairs of the Scientific Organizing Committee:*

*Veronika Eyring (DLR) and Jean-François Lamarque (NCAR)*

*Chair of the Local Organizing Committee: Andrew Gettelman (NCAR)*