

**Second Announcement
Call for Abstracts and Registration**

Process-orientated validation of coupled chemistry-climate models
(<http://www.pa.op.dlr.de/workshops/ccm2003/>)

- Date November 17 - 19, 2003
- Venue Eibsee Hotel, Grainau, Garmisch-Partenkirchen, Germany (<http://www.eibsee-hotel.de/>)
- Subject Develop criteria to validate CCMs, with a focus on their ability to predict future ozone.
- Duration 3 days
- Agenda A tentative agenda is now online on the mentioned web site.

Abstracts **Deadline for abstract submission: July 31, 2003**

The aim of the workshop is to identify the key underlying processes that control the future evolution of the ozone layer, and to find specific diagnostics of these processes.

CCM output cannot be compared with individual time periods in the real atmosphere. Hence, the validation of CCMs requires a statistical approach. For the validation of specific processes this means that specific diagnostics - e.g. empirical relations - have to be developed that can be used to assess the representation of individual processes in the model. The overall aim is to get deeper insight into the model performance than comparisons of bulk quantities with measured data can give. (e.g. the average value and variability of the total ozone column)

The outcome of the workshop will be a list of processes to validate coupled chemistry-climate models, where your contribution could be part of.

Therefore your abstract should contain the process you are looking at, the scientific topic (1-6) of that process, a diagnostic how the process could be evaluated and a reference, if possible.

You can submit more than one contribution, if you like. Please submit different processes in different abstracts. It is possible to present them all on one poster.

The definition of specific diagnostic tools will facilitate the evaluation of complex models such as CCMs. To develop a catalogue of requirements, the following scientific topics which are of significance with respect to ozone behaviour, will be discussed:

- Scientific Topics
- (1) Transport Characteristics
 - (2) Stratospheric Dynamics
 - (3) Stratospheric Chemistry & Aerosols
 - (4) Radiative Transfer and Balance
 - (5) Role of the Troposphere
 - (6) Tropical Tropopause Layer (including UTLS)

Example:

PROCESS	<i>Chemical Ozone Loss</i>
SCIENTIFIC TOPIC	<i>Stratospheric Chemistry & Aerosols (3)</i>
SPECIFIC DIAGNOSTIC	<i>Chemical Ozone Loss versus Potential PSC</i>
TEXT	xxx
REFERENCE	xxx

More examples *Age of Air, Horizontal Transport Processes, Tropospheric Wave Forcing, Denitrification etc...*

Posters It is expected that discussion and poster presentations will be provided by all participants. The posters will be on display during the entire meeting. Plenty of time is allocated to poster sessions.

Talks The aim is for the survey talks to describe what is needed to validate CCMs, and not to give a review of the state of knowledge in each field. The main part of the talk will be spent adding depth/justification to the criteria list. The short presentations on specific issues will help to develop this list and to provide the basis for the hour of discussion associated with each session as well as the working groups. There is plenty of time allocated for the poster session on the first day. During the discussion everyone is welcome to show a couple of viewgraphs in an informal way. The talks will be selected by the organising committee based on the abstracts submitted.

Working Groups At the end of the workshop we'll have break-out sessions where people split into working groups (one for each of sessions). The outcome of the working groups of each session will be discussed in the final plenary.

Participants The workshop size is limited to about 60 persons. All interested groups are welcome to attend. This policy means that with few exceptions only one person per group can participate. For that person, please fill in the Online Pre-Registration form on the web site as soon as possible, but not later than July 31. The programme committee will determine the final composition of the workshop, if more than 60 people will apply.

Chairs As a lead into the discussion the respective chairs will briefly summarise the key points from the presentations, raise open questions and highlight controversial issues. Rapporteurs will be assigned to each session.

Summary A workshop summary report will be published in the SPARC newsletter a few months after the meeting.

Assessment A co-ordinated assessment for coupled chemistry-climate models according to the developed list will be initiated by the programme committee.

Fees Travel and hotel costs (130 EUR a night including breakfast, lunch and dinner) have to be covered by the participants themselves. There will probably be no additional workshop fee.

Location / Accommodation

Deadline for hotel reservation: September 30, 2003

The workshop will take place in the Eibsee Hotel in Grainau/Garmisch-Partenkirchen, Germany. The hotel is situated at an altitude of 1000 m, directly at the Eibsee, in the middle of the alpine panorama surrounding Germany's highest mountain, the Zugspitze. Rooms for the participants are reserved in the Eibsee hotel. After you have filled in the hotel reservation (available between September 1 and September 30, 2003), the final booking will be accomplished by us.

Transport

Deadline for transport reservation: September 30, 2003

We offer a transport service from Munich airport straight to the hotel (about 1 1/2 hours). If you like to use this service, you should fill in the online transport registration form, available between September 1 and September 30, 2003. Buses for 30 people can be hired, according to the arrival times of the participants. Costs will be around 15 EUR one way. On Wednesday, November 19, 2003 this service will also be available.

Contact veronika.eyring@dlr.de

The workshop is being held under the auspices of the Institute of Atmospheric Physics of the German Aerospace Centre (DLR), the EU research cluster OCLI (Ozone CLimate Interactions) and WCRP's (World Climate Research Programme) SPARC (Stratospheric Processes and their Role in Climate).

*Best regards,
The Programme Committee*

*Veronika Eyring (DLR), Neil Harris (EORCU), Markus Rex (AWI-Potsdam), Ted Shepherd (Toronto)
(Conveners)*

Georgios Amanatidis (EC), John Austin (MetOffice), Peter Braesicke (Cambridge), Martin Dameris (DLR), David Fahey (NOAA), Hans Graf (MPI-Hamburg), Tatsuya Nagashima (NIES), Paul Newman (Goddard), Ben Santer (LLNL)