

CCMVal Data Policy

The goal of the Chemistry-Climate Model Validation Activity for SPARC (CCMVal) is to improve understanding of Chemistry-Climate Models (CCMs) and their underlying GCMs (General Circulation Models) through process-oriented evaluation, along with discussion and coordinated analysis of science results.

Achieving these goals requires extensive comparisons and evaluations of a wide range of output from a large number of CCMs. This model output is being stored in the CCMVal Archive at the British Atmospheric Data Centre (BADC) for the convenience and needs of investigators participating in CCMVal.

CCMVal and participating modeling groups are willing to allow investigators outside of the CCMVal community to have access to the Archive for the purposes of scientific research and furthering the goals of CCMVal. This document sets out a policy for users of CCMVal model output both within and outside the core CCMVal activities. This policy seeks to strike a balance between protecting the work of the modeling groups and fostering legitimate scientific use.

Those wishing to use the output from CCMVal model runs are requested to become formal "CCMVal Collaborators" by taking the following actions:

A) Submit names of participating researchers, their full contact information, and a 1-paragraph summary (abstract) of the proposed research to Veronika Eyring (veronika.eyring@dlr.de). This information will be communicated to the model Principal Investigators (PIs) and made publicly available on the CCMVal web page (see http://www.pa.op.dlr.de/CCMVal/List_CCMValCollaborators.html).

B) Sign and return this CCMVal Model Output Policy document to Veronika Eyring (see contact details below). Signatures received via surface mail, fax, or email will be accepted. Upon returning the document, new CCMVal Collaborators will formally receive access to the password-protected Archive.

C) Follow http://www.pa.op.dlr.de/CCMVal/BADC_FTPinstructions.pdf for instructions on how to get access to the CCMVal Archive at BADC.

Model Output Policy Guidelines:

1) Above all, CCMVal Collaborators are expected to respect the interests of the CCM PIs and their research groups in the interpretation, presentation, and publication of the model output. The best way to achieve this is for a routine line of communication to be opened with the model PIs for collaborators to discuss model output and their research. This guideline implicitly recognizes the complexity of the models and interpretive efforts, and the possibility of ongoing scientific work by the model PIs that has yet to be published or otherwise made available to others.

2) Publication of model results and their interpretation in the scientific literature is encouraged. The CCMVal data policy involves two phases:

- **PHASE 1:** From the date of submission of model output to BADC or from the date when a certain CCMVal round moves from PHASE 0 to PHASE 1 there will be a *1.5-year restricted use policy* for all new runs. This allows use of model output by 'CCMVal Collaborators' but includes the obligation to offer co-authorship for model PIs during this time. CCMVal collaborators will need to provide the title, an abstract and a list of data that will be used in their study for the CCMVal website and will need to send this information to the model PIs in addition at the beginning of their studies (email: ccmval1-modelpis@ncas.ac.uk for CCMVal-1 work and ccmval2-modelpis@ncas.ac.uk for CCMVal-2 work). CCMVal and BADC should be explicitly acknowledged in papers and the models need to be properly referenced.
- **PHASE 2:** *after 1.5 years from the start of PHASE 1* the model data will still be password restricted at BADC but the obligation to offer co-authorship for model PIs is removed. CCMVal collaborators are expected to send draft presentations or papers to model PIs and CCMVal coordinators 2 weeks before submission for notification and for the possibility to comment within this 2-week period. CCMVal collaborators will still need to provide the title, an abstract and a list of data that will be used in their study for the CCMVal website and will need to send this information to the model PIs in addition at the beginning of their studies (email: ccmval1-modelpis@ncas.ac.uk for CCMVal-1 work and ccmval2-modelpis@ncas.ac.uk for CCMVal-2 work). Model groups, CCMVal and BADC should be explicitly acknowledged in papers and the models need to be properly referenced.

Please include the following acknowledgement in any papers using CCMVal data: *"We acknowledge the modeling groups for making their simulations available for this analysis, the Chemistry-Climate Model Validation (CCMVal) Activity for WCRP's (World Climate Research Programme) SPARC (Stratospheric Processes and their Role in Climate) project for organizing and coordinating the model data analysis activity, and the British Atmospheric Data Center (BADC) for collecting and archiving the CCMVal model output."*

PI Contact information for each model, the appropriate scientific reference for model description, and language for acknowledgements is listed at the CCMVal webpage.

- 3) Occasionally, model output contributed to Archive has been found to contain errors of various sorts. In such cases, the erroneous output will be withdrawn or replaced. This will be noted at the CCMVal web site in an errata and notes page (see the link above). The errata page should be checked frequently to avoid working with erroneous output, and to determine whether any of the downloaded files need to be updated or discarded. CCMVal collaborators who find undetected errors in model output are asked to contact the responsible modeling group.
- 4) CCMVal Collaborators are not allowed to give others outside of CCMVal access to the Archive, or forward data downloaded from the Archive. Instead, they should direct other interested users to become CCMVal Collaborators themselves by proposing a research activity and then accepting this CCMVal model output policy.
- 5) CCMVal model output is not to be used for commercial (profit making) activities.
- 6) Please inform the coordinators of CCMVal on the status of your paper (submission, publication).

Contact Information:

Name:

Position:

Institution:

Address:

Email:

Topic of Analysis:

Date and Location:

Signature:

Sign and return this CCMVal Model Output Policy document to

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