

# Draft

## CCSM Model Support Policy

### Machine Categories:

Category 1: Fully Supported Machines (e.g., Climate Validated)

Category 2: Machines where CCSM passes restart test

Category 3: Machines where CCSM builds and might run

Category 4: Machines under consideration

(see [http://www.cesm.ucar.edu/support\\_model/mach\\_support.html](http://www.cesm.ucar.edu/support_model/mach_support.html)).

### Code and Scripts

By CCSM we refer to the entire CCSM system and each component that it comprises. If components are also released in a stand-alone form (e.g., CAM), the stand-alone components will independently provide their own support policy.

CCSM has several release categories that are denoted by the numbering system CCSMx.y.z, where "x" refers to a major release, "y" refers to substantive changes in functionality, and "z" denotes implementation changes that are not climate changing or that involve bug fixes.

CCSM code and scripts are supported for three (3) years after the date of a major release or for six (6) months after the next major release, whichever period is longer. Non-major releases do not have an effect on this time period. Released code, scripts, and associated input data sets for major, as well as non-major, releases will be available on the Web for that period.

CCSM will also provide periodic updates (i.e., beta releases) of scripts and/or code that support the addition of new machines to CCSM3. These beta release updates will not have undergone the extensive testing associated with formal releases and will therefore not be supported. They will be provided for the benefit of the user community in order to more easily keep up with machine specific improvements to CCSM3.

CCSM will always ensure the availability of code/scripts and associated input data sets on a Website. CCSM support, however, will be machine, rather than platform, dependent. Active support will be provided for compiling and running the code on Category 1 machines. Users on Category 2 and 3 machines, however, will only be provided support to successfully compile the code. Furthermore, due to limited CCSM support resources, should a user encounter a problem on a platform corresponding to a Category 1 machine, support will only be given if the user can reproduce that problem on a Category 1 machine. The user will be responsible for migrating their code to a Category 1 machine and for demonstrating the reproducibility of the problem.

Finally, support will not be given in the following scenarios:

- The user is utilizing build/run scripts other than the ones in the release.

- The user is using input/boundary data sets other than the ones in the release.
- The user has modified the released CCSM source code.
- The user is using configurations of the system that have not been tested by CCSM (e.g., T5\_gx3v5, T170\_gx1v3).

In these cases, the user should work with the scientific liaison for his/her working group to resolve the issues related to the problems running CCSM.

The addition of new machines to, or removal of old systems from, the Category 1 class will be based upon the availability of future CCSM production capability.

Support for CSM1 has expired.

Support for CCSM2.0 and CCSM2.0.1 will continue until May 2005.

Support for CCSM3.0 will continue until at least June 2007.

### **Input Data**

Input data files will accompany model source code and documentation for each release and correspond to the default data required by the run scripts provided with the release.