

# Model Output Archive in Support of the IPCC Assessment

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- September 2003: PCMDI proposed that model output for the IPCC AR4 be written in accordance with strict standards and be archived at PCMDI.
- Spring 2004: List of “standard output” fields was established.
- Summer 2004: Fortran code made available for rewriting model output (CMOR) in netCDF files conforming to the CF-conventions and IPCC specifications.
- Summer 2004 - present: Model output written through CMOR and sent to PCMDI.
- Spring 2005 – most of the model output had been collected.
- Summer 2004 – present: Scientists register to analyze model output archived at PCMDI.



# Statistics and impact.

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- Output from 23 different models (from 17 modeling centers) is being widely analyzed
- More than 580 users are registered to examine the output
- More than 27 Tb (65,000 files) of model output have been collected and 90 Tb (400,000 files) disseminated to analysts (~170 Gb/day in recent months)
- **More than 140 manuscripts have been written, based on the IPCC database.** (For the majority of these, research began less than 16 months ago.)
- The database will likely attract continued scientific interest for several years.
- The standard output tables and the software developed in support of the IPCC database can be used as is or easily modified to meet the needs of future model intercomparison projects.

