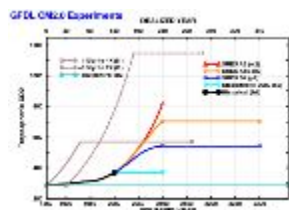# CM2.0 Experiments for which Model Output is Available

Select model output files produced by the GFDL CM2.0 model simulations are being made available for download over the internet. The files are all in netCDF form. The experiments listed below are those requested for the IPCC AR4

Starting on 8 November 2004, the first 400 gigabytes (GB) of CM2.0 model output derived from experiments listed below became available for download to registered users of the PCMDI IPCC Model Data Archive. It is expected that CM2.0 model output files totaling more than 3,000 GB will be shipped to PCMDI during 2004 and early 2005.

Model output files from all 11 CM2.0 simulations listed below will be made available via the GFDL Data Portal starting in December 2004. Ultimately, it is expected that the GFDL Data Portal will contain all of the data sent to the PCMDI IPCC archive plus some additional variables not found at PCMDI.

The global metadata associated with each experiment provides some information about the simulation, but it should not be considered a substitute for more detailed documentation and references, including papers to be published in refereed journals.

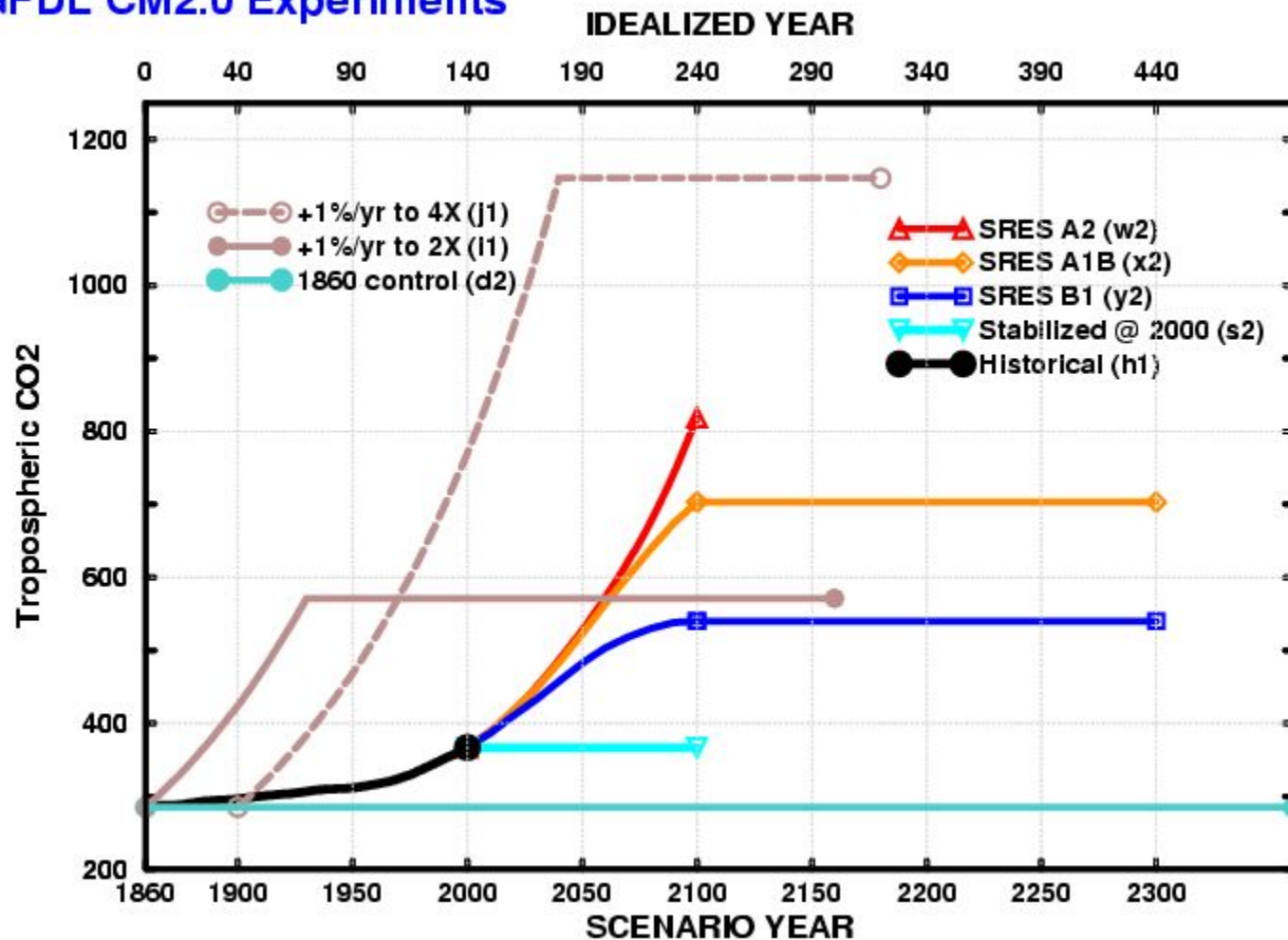Also on this page, you can find a schematic figure showing the time-varying atmospheric carbon dioxide levels and initialization points for the various CM2.0 experiments.

GFDL EXPERIMENT NAME	PCMDI EXPERIMENT NAME	EXPERIMENT DESCRIPTION	CLICK HERE FOR EXPERIMENT METADATA
CM2Q_Control-1860_d2	PIcntr (run1)	the pre-industrial control experiment	metadata
CM2Q_Control-1990_e3 (Not Currently Available)	PDcntrl (run1)	the present-day control experiment	metadata
CM2Q-d2_1861-2000-AllForc_h1	20C3M (run1)	the climate of the 20th Century experiment	metadata
CM2Q-d2_1861-2000-AllForc_h2	20C3M (run2)	the climate of the 20th Century experiment	metadata
CM2Q-d2_1861-2000-AllForc_h3	20C3M (run3)	the climate of the 20th Century experiment	metadata
CM2Q-h1_Stable-2000_s2	Commit (run1)	the committed climate change experiment	metadata
CM2Q-h1_SresA2_w2	SRESA2 (run1)	the SRES A2 experiment	metadata
CM2Q-h1_SresA1B_x2	SRESA1B (run1)	the 720 ppm stabilization experiment (SRES A1B)	metadata
CM2Q-h1_SresB1_y2	SRESB1 (run1)	the 550 ppm stabilization experiment (SRES B1)	metadata
CM2Q-d2_1PctTo2x_i1	1%to2x (run1)	a 1%/year CO_2 increase experiment (to doubling)	metadata
CM2Q-d2_1PctTo4x_j1	1%to4x (run1)	a 1%/year CO_2 increase experiment (to quadrupling)	metadata

The following figure schematically represents the time-varying atmospheric carbon dioxide levels specified in the various CM2.0 experiments. It also depicts the initialization points used for the different experiments.

Questions related to the GFDL CM2.x models may be directed to…

GFDL.Climate.Model.Info@noaa.gov