CFMIP2/CMIP5 Experiment Hierarchy

Pre-industrial	Historical/ present	CO_2 forcing / adjustments	Climate feedbacks
3.1 ESM pre-industrial control	3.2 ESM historical	6.3,6.3E ESM Abrupt $4CO_2$	6.1 ESM 1% per year CO_2
	3.3E AMIP SST		
6.2a ATM + control SST climatology	6.4a/b ATM + control SST, present aero	6.2b ATM + control SST $4CO_2$	CMIP5 Experiments with COSP
CFMIP /CMIP5 Expts with full CFMIP outputs	3.3 ATM AMIP SST	6.5 AMIP + $4CO_2$	6.8 AMIP uniform +4K
			6.6 AMIP +4K SST pattern
	6.7a ATM Aquaplanet control	6.7b ATM Aquaplanet + $4CO_2$	6.7c Aquaplanet Uniform+4K
			no carbon cycle or interactive vegetation
CGILS Experiments SCM & LES	3 GPCI points AMIP SST		3 GPCI points AMIP SST+2K

Estimated dates for implementation of CFMIP diagnostic packages	CMIP5 table	UKMO - HadGEM2	ECHAM6-MPIOM	CNRM-CM5	IPSL CM5a/b	KNMI EC-Earth
CMIP5 standard output (Amon, Amon 2D etc)	aMon	DONE	DONE	DONE	Q4/10	DONE
CFMIP monthly 3D-1 -- Clouds, temperature, humidity, omega, and winds on model levels	cfMon	DONE	PART	PART	Q4/10	Q4/10
CFMIP monthly inline -- monthly mean in line ISCCP and CALIPSO/PARASOL simulator output from COSP	cfMon	DONE	DONE	DONE off-line	DONE	Q4/10
CFMIP daily 2D -- daily mean 2-D fields including inline ISCCP/CloudSat/CALIPSO/ PARASOL simulator output	cfda	DONE	Q4/10	DONE off-line	Q4/10	Q4/10
CFMIP daily 3D -- daily mean 3-D fields on model levels plus CALIPSO and ISCCP cloud fractions	cfda	DONE	Q4/10	DONE off-line	Q4/10	Q4/10
CFMIP 3-hourly orbital offline -- CloudSat/CALIPSO /PARASOL simulator output in orbital curtain format	cf3hr	DONE	Q4/10	Q4/10	Q4/10	Q4/10
CFMIP monthly offline -- monthly mean gridded simulator output based on CFMIP 3-hrly orbital offline	cfOff	DONE	Q4/10	Q4/10	Q4/10	Q4/10
CFMIP timestep station data -- 2-D and 3-D fields on model levels at 20 to 30 minute intervals at 119 point locations.	cfSites	DONE	Q4/10	Q4/10	Q4/10	Q4/10
CFMIP monthly 3D-2 -- Mass fluxes, internal radiative fluxes, tendencies temperature, humidity and cloud.	cfMon	DONE	PART	PART	Q4/10	Q4/10
CFMIP 3-hrly inline -- Instantaneous 3 hourly global 'snapshot' data for future simulator development	cf3hr	DONE	Q4/10	DONE	Q4/10	Q4/10
CFMIP monthly 4CO2 2D -- monthly mean TOA radiative fluxes calculated by instantaneously quadrupling CO2.	cfMon	DONE	DONE	Q3/10	Q4/10	Q4/10
CFMIP monthly 4CO2 3D -- monthly mean 3-D radiative fluxes calculated by instantaneously quadrupling CO2.	cfMon	DONE	DONE	Q3/10 Net	Q4/10	Q4/10

CMIP5 Experiment Name		UKMO - HadGEM2	ECHAM6 MPIOM	CNRM-CM5	IPSL CM5a	IPSL CM5b	KNMI EC-Earth
CFMIP2 AMIP	3.3	Jan-11	Q1/11	Q1/11	Q4/10	Q1/11	Q1/1
CFMIP2 4xCO2 AMIP	6.5	Jan-11	Q1/11	Q1/11	Q4/10	Q1/11	Q1/1
CFMIP2 AMIP plus pattern anomaly	6.6	Jan-11	Q1/11	Q1/11	Q4/10	Q1/11	Q1/1
CFMIP2 AMIP plus 4K anomaly	6.8	Jan-11	Q1/11	Q1/11	Q4/10	Q1/11	Q1/1
CFMIP2 Aqua planet control	6.7a	Jan-11	Q1/11	Q1/11	Q4/10	Q1/11	?
CFMIP2 4xCO2 aqua planet	6.7b	Jan-11	Q1/11	Q1/11	Q4/10	Q1/11	?
CFMIP2 Aqua planet plus 4K anomaly	6.7c	Jan-11	Q1/11	Q1/11	Q4/10	Q1/11	?
AOGCM pre-industrial control	3.1	Jan-11	Q2/11	Q4/10	Q4/10	Q1/11	DON
AOGCM historical	3.2	Jan-11	Q2/11	Q4/10	Q4/10	NO	Q1/1
AOGCM 1 percent per year CO2	6.1	Jan-11	Q2/11	Q4/10	Q4/10	Q1/11	Q1/1
Abrupt 4XCO2	6.3	Jan-11	Q2/11	Q4/10	Q4/10	Q1/11	?
Abrupt 4XCO2 11x5 years	6.3-E	Jan-11	NO	NO	Maybe	Maybe	?
Control SST climatology	6.2a	Jan-11	Q1/11	Q1/11	Q4/10	?	Q1/1
Control SST + 4CO2 forcing	6.2b	Jan-11	Q1/11	Q1/11	Q4/10	?	Q1/1
Control SST+ present day total aerosol	6.4a	Jan-11	Q1/11	NO	Q4/10	?	Q1/1
Control SST+ present sulphate aerosol	6.4b	Jan-11	Q1/11	NO	Q4/10	?	Q1/1