

| CMIP5 Model Name | Institution | Institution CODE | Atmosphere | Atmosphere CODE |
|------------------|--|------------------|--|-----------------|
| CNRM-CM5 | Centre National de Recherches Meteorologiques and Centre Europeen de Recherche et Formation Avancees en Calcul Scientifique | 1 | ARPEGE-Climat V5.2 | 1 |
| BCC-CSM1.1 | BCC and CMA, Beijing China | 2 | BCC_AGCM 2.1 | 2 |
| BCC-CSM1.1.m | BCC and CMA, Beijing China | 2 | BCC_AGCM 2.1 | 2 |
| BNU-ESM | Beijing Normal University | 3 | CAM3.5 | 3a |
| CCSM4 | US National Center for AR | 4 | CAM4 | 3b |
| CESM1-BGC | NSF-DOE_NCAR | 5 | CAM4 | 3b |
| NorESM1-M | Norwegian Climate Centre | 6 | CAM4-Oslo | 3b |
| CanESM2 | Canadian Center for CMandA | 7 | CanAM4 | 4 |
| CSIRO-Mk3.6.0 | CSIRO and QCCCE | 8 | CSIRO-Mk3.6.0 atmospheric component | 5 |
| CMCC-CM | Centro Euro-Mediterraneo per i Cambiamenti Climatici | 9 | ECHAM5 | 6a |
| CMCC-CMS | Centro Euro-Mediterraneo per i Cambiamenti Climatici (resolved stratosphere) | 9 | ECHAM5 | 6a |
| CMCC-CESM | Centro Euro-Mediterraneo per i Cambiamenti Climatici (carbon cycle) | 9 | ECHAM5 | 6a |
| MPI-ESM-LR | Max Planck Institute for Meteorology | 10 | ECHAM6 | 6b |
| GFDL-ESM2G | NOAA-GFDL | 11 | GFDL AM2.1 | 7a |
| GFDL-ESM2M | NOAA-GFDL | 11 | GFDL AM2.1 | 7a |
| GFDL-CM3 | NOAA-GFDL | 11 | GFDL AM3 | 7b |
| HADGEM2-ES | UK MOHC (tropospheric chemistry + carbon cycle) | 12 | HadGAM2 | 8a |
| HADGEM2-CC | UK MOHC (carbon cycle) | 12 | HadGAM2 | 8a |
| ACCESS1-0 | CSIRO and BOM, Australia | 8 | HadGAM2 r1.1 | 8a |
| EC-EARTH | Europe | 13 | IFS c31r1 | 1 |
| INMCM4 | INM (Russian Institute for Numerical Mathematics) | 14 | INM atmosphere model | 9 |
| IPSL-CM5A-LR | Institut Pierre Simon Laplace | 15 | LMDZ5A | 10a |
| IPSL-CM5A-MR | Institut Pierre Simon Laplace (higher resolution) | 15 | LMDZ5A | 10a |
| IPSL-CM5B-LR | Institut Pierre Simon Laplace (new physics) | 15 | LMDZ5B | 10b |
| ACCESS1-3 | CSIRO and BOM, Australia | 8 | MetUM GA 1.0 HadGAM 2 | 8b |
| MIROC-ESM | UT/NIES/JAMSTEC; University of Tokyo, National Institute for Environmental Studies and Japan Agency for Marine-Earth Science and Technology (ESM) | 16 | MIROC-AGCM2010 | 11a |
| MIROC-ESM-CHEM | UT/NIES/JAMSTEC; University of Tokyo, National Institute for Environmental Studies and Japan Agency for Marine-Earth Science and Technology (ESM + atmospheric chemistry) | 16 | MIROC-AGCM2010 | 11a |
| MIROC5 | UT/NIES/JAMSTEC; University of Tokyo, National Institute for Environmental Studies and Japan Agency for Marine-Earth Science and Technology | 16 | MIROC-AGCM6 / CCSR/NIES/FRCGC AGCM6 | 11b |
| MRI-CGCM3 | Meteorological Research Institute | 17 | MRI-AGCM3.3 | 12 |