

## Read Me file for the CMIP5 data.

The following table shows the climate models held in the dataset. For each of these models, there are historical, RCP4.5, and RCP8.5 simulations of the vertically-integrated horizontal water vapor transport.

Model name	Institution	Horizontal resolution (latitude/longitude)
ACCESS1.0	Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia, and Bureau of Meteorology (BOM), Australia	144x192
ACCESS1.3	CSIRO / BOM	144x192
BCC-CSM1.1	Beijing Climate Center (BCC), China Meteorological Administration	64x128
BCC-CSM1.1(m)	BCC	160x320
BNU-ESM	College of Global Change and Earth System Science, Beijing Normal University	64x128
CanESM2	Canadian Centre for Climate Modelling and Analysis	64x128
CNRM-CM5	Centre National de Recherches Meteorologiques / Centre Europeen de Recherche et Formation Avancees en Calcul Scientifique	128x256
CSIROMK3.6.0	CSIRO in collaboration with the Queensland Climate Change Centre of Excellence	96x192
FGOALS-g2	LASG, Institute of Atmospheric Physics, Chinese Academy of Sciences; and CESS, Tsinghua University	60x128
GFDL-CM3	Geophysical Fluid Dynamics Laboratory (GFDL)	90x144
GFDL-ESM2G	GFDL	90x144
HadGEM2-CC	Met Office Hadley Centre	144x192
INM-CM4	Institute for Numerical Mathematics	120x180
IPSL-CM5B-LR	Institut Pierre-Simon Laplace (IPSL)	96x96
IPSL-CM5A-LR	IPSL	96x96
IPSL-CM5A-MR	IPSL	143x144
MIROC-ESM	Model for Interdisciplinary Research on Climate (MIROC), Japan	64x128
MIROC-ESM-CHEM	MIROC	64x128
MPI-ESM-LR	Max Planck Institute for Meteorology (MPI-M)	96x192
MPI-ESM-MR	MPI-M	96x192
MRI-CGCM3	Meteorological Research Institute	160x320
NORESM1-M	Norwegian Climate Centre	96x144