

Table 1. Basic information on the selected 13 CMIP5 models

Modeling name	Institution	Resolution
BCC-CSM1.1	Beijing Climate Center	128×64
BNU-ESM	College of Global Change and Earth System Science, Beijing Normal University	128×64
CNRM-CM5	Center National de Recherches Meteorologiques	256×128
GFDL-CM3	Geophysical Fluid Dynamics Laboratory	144×90
GFDL-ESM2G	Geophysical Fluid Dynamics Laboratory	144×90
GISS-E2-R	NASA Goddard Institute for Space Studies	144×90
HadGEM2-ES	Met Office Hadley Center	192×145
MIROC5	AORI (Atmosphere and Ocean Research Institute), NIES (National Institute for Environmental Studies), JAMSTEC (Japan Agency for Marine–Earth Science and Technology)	256×128
MIROC-ESM-CHEM	AORI, NIES, JAMSTEC	128×64
MIROC-ESM	AORI, NIES, JAMSTEC	128×64
MPI-ESM-LR	Max Planck Institute for Meteorology	192×96
MRI-CGCM3	Meteorological Research Institute	320×160
NorESM1-M	Norwegian Climate Center	144×96