Table S1. Climate models used to simulate ensemble climate scenarios.

Climate Models	Affiliation
ACCESS1.0	Commonwealth Scientific and Industrial Research Organization /Bureau of Meteorology (CSIRO-BOM)
BCC-CSM1-1	Beijing Climate Center, China Meteorological Administration
BNU-ESM	College of Global Change and Earth System Science, Beijing Normal University
CANESM2	Canadian Centre for Climate Modelling and Analysis
CCSM4	NCAR Climate Community System Model
CESM1-CAM5	NCAR Community Earth System Model
CMCC-CM	Centro Euro-Mediterraneo per I Cambiamenti Climatici
CNRM-CM5	Centre National de Recherches Meteorologiques / Centre Europeen de Recherche et Formation Avancees en Calcul Scientifique (CNRM/CERFACS)
CSIRO-MK360	Commonwealth Scientific and Industrial Research Organization/ Queensland Climate Change Centre of Excellence (CSIRO-QCCCE)
EC-EARTH	European Centre for Medium-Range Weather Forecasts（ECMRWF）
FGOALS-G2	Institute of Atmospheric Physics, Chinese Academy of Sciences
FIO-ESM	First Institute of Oceanography, SOA, China
GFDL-CM3	Geophysical Fluid Dynamics Laboratory, NOAA
GFDL-ESM2G	Geophysical Fluid Dynamics Laboratory, NOAA
GISS-E2-H	NASA Goddard Institute for Space Studies
GISS-E2-R	NASA Goddard Institute for Space Studies
HADGEM2-ES	Met Office Hadley Centre,
INM-CM4	Institute for Numerical Mathematics
IPSL-CM5A-MR	Institute Pierre-Simon Laplace
MIROC5	Atmosphere and Ocean Research Institute (The University of Tokyo), National Institute for Environmental Studies, and Japan Agency for Marine-Earth Science and Technology
MIROC-ESM	Atmosphere and Ocean Research Institute (The University of Tokyo), National Institute for Environmental Studies, and Japan Agency for Marine-Earth Science and Technology
MIROC-ESM-CHEM	Atmosphere and Ocean Research Institute (The University of Tokyo), National Institute for Environmental Studies, and Japan Agency for Marine-Earth Science and Technology
MPI-ESM-LR	Max Planck Institute for Meteorology (MPI-M)
MPI-ESM-MR	Max Planck Institute for Meteorology (MPI-M)
MRI-CGCM3	Meteorological Research Institute
NORESM1-M	Norwegian Climate Centre (NCC)