Supplementary Information to "Assessments of the north hemisphere snow cover response to 1.5 °C and 2.0 °C warming"

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Table S1

Fig. S1

Table S1 General Information of 12 CMIP5 models.

| Model name	Atmospheric horizontal resolution lon°× lat°	Model levels	Model host center
BCC-CSM1.1(m)	1.1×1.1	26	Beijing Climate Center, China Meteorological Administration, China
BNU-ESM	2.8×2.8	26	Beijing Normal University, China
CanESM2	2.8×2.8	35	Canadian Centre for Climate Modeling and Analysis, Canada
CCSM4	1.25×1.0	26	National Center for Atmospheric Research, United States
CNRM-CM5	1.4×1.4	31	National Centre for Meteorological Research, France
FGOALS-g2	2.8×2.8	26	,Institute of Atmospheric Physics, Chinese Academy of Sciences
FIO-ESM	2.8×2.8	26	The first Institute of Oceanography, China
GISS-E2-H	2.5×2.0	40	National Aeronautics and Space Administration Goddard Institute for Space Studies, United States
MIROC-ESM	2.8×2.8	80	Japan Agency for Marine-Earth Science and Technology, University of Tokyo, and National Institute for Environmental Studies, Japan
MPI-ESM-MR	1.9×1.9	95	Max Planck Institute for Meteorology, Germany
MRI-CGCM3	1.1×1.1	48	Meteorological Research Institute, Japan
NorESM1-M	2.5x1.9	26	Norwegian Climate Center, Norway
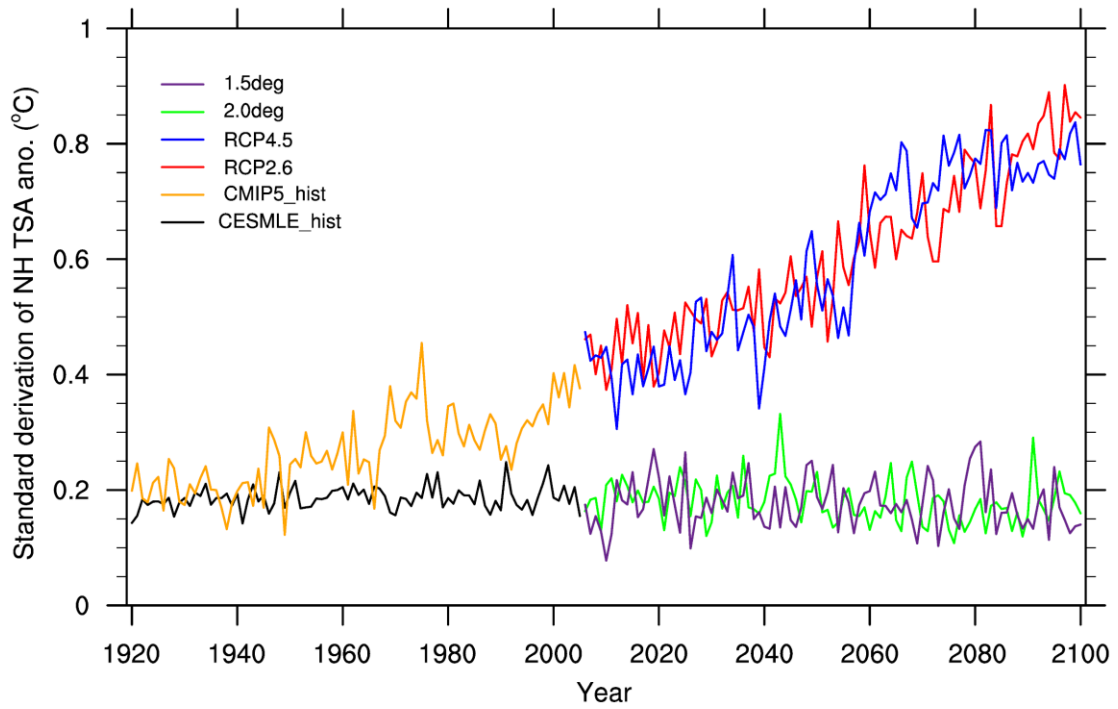
Figure S1 The annual standard deviation of land surface air temperature anomaly due to the ensemble variability for 1920-2100. Results from CESM-LE, CMIP5 historical, RCP2.6, RCP4.5, 1.5°C and 2.0°C scenarios are shown.