

#	Institution	Model	Run	Grid_A	Grid_O	hist	SSP1.26	SSP2.45	SSP3.7	SSP5.85	BA	Comments
1	CSIRO-ARCCSS	ACCESS-CM2	r1i1p1f1	gn	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
2	CSIRO	ACCESS-ESM1-5	r1i1p1f1	gn	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
3	AWI	AWI-CM-1-1-MR	r1i1p1f1	gn	gn	TX S W O	TX S W O	TX S W O	TX S W O	TX S W O	X	"P" discarded (no historical).
4	BCC	BCC-CSM2-MR	r1i1p1f1	gn	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
5	CAMS	CAMS-CSM1-0	r2i1p1f1	gn	gn	PT W M IO	PT W M IO	PT W M IO	PT W M IO	PT W M IO		"X" discarded (no data for tasmin). "S" discarded (no scenarios)
6	CCCma	CanESM5	r1i1p1f1	gn	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
7	NCAR	CESM2	r4i1p1f1	gn	gn	PT N M I H	PT N M I H	PT N M I H	PT N M I H	PT N M I H		"X" discarded (only ssp1.26). "W" discarded (no historical). "S" discarded (no historical).
8	NCAR	CESM2-WACCM	r1i1p1f1	gn	gn	PT W N M IO H	PT W N M IO H	PT W N M IO H	PT W N M IO H	PT W N M IO H		"S" discarded (no scenarios)
9	CMCC	CMCC-CM2-SR5	r1i1p1f1	gn	gn	PT S W M IO	PT S W M IO	PT S W M IO	PT S W M IO	PT S W M IO		"X" discarded - errata ( <a href="https://errata.es-doc.org/static/view.html?uid=33496f30-9e86-c0ff-874c-61f78f">https://errata.es-doc.org/static/view.html?uid=33496f30-9e86-c0ff-874c-61f78f</a> )
10	CNRM-CERFACS	CNRM-CM6-1	r1i1p1f2	gr	gn	PTX S W N M IO	PTX S W N M IO	PTX S W N M IO	PTX S W N M IO	PTX S W N M IO	X	
11	CNRM-CERFACS	CNRM-CM6-1-HR	r1i1p1f2	gr	gn	PTX S W N M IO	PTX S W N M IO	TS W N M IO	TS W N M IO	PTX S W N M IO	X	
12	CNRM-CERFACS	CNRM-ESM2-1	r1i1p1f2	gr	gn	PTX S W N M IO H	PTX S W N M IO H	PTX S W N M IO H	PTX S W N M IO H	PTX S W N M IO H	X	
13	EC-Earth-Consortium	EC-Earth3	r1i1p1f1	gr	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
14	EC-Earth-Consortium	EC-Earth3-Veg	r1i1p1f1	gr	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
15	EC-Earth-Consortium	EC-Earth3-Veg-LR	r1i1p1f1	gr	gn	PTX S W M IO		PTX S W M IO	PTX S W M IO		X	
16	CAS	FGOALS-g3	r1i1p1f1	gn	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
17	NOAA-GFDL	GFDL-CM4	r1i1p1f1	gr1	gr	PTX S W N M IO		PTX S W N M IO		PTX S W N M IO	X	
18	NOAA-GFDL	GFDL-ESM4	r1i1p1f1	gr1	gr	PTX S W N M O	PTX S N M O	PTX S W N M O	PTX S N M O	PTX S W N M O		"I" discarded (no historical)
19	MOHC	HadGEM3-GC31-LL	r1i1p1f3	gn	gn	PTX S W M IO	PTX S W M IO	PTX S W M IO		PTX S W M IO	X	
20	CCCR-IITM	IITM-ESM	r1i1p1f1	gn	gn	PT O	PT O	PT O	PT O	PT O		"X" discarded (only ssp1.26). "S" discarded (no historical). "W" discarded (no preIndustrial)
21	INM	INM-CM4-8	r1i1p1f1	gr1	gr1	PTX S W M	PTX S W M	PTX S W M	PTX S W M	PTX S W M	X	"I" and "O" discarded (data over land regions)
22	INM	INM-CM5-0	r1i1p1f1	gr1	gr1	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	PTX S W M IO	X	
23	IPSL	IPSL-CM6A-LR	r1i1p1f1	gr	gn	PTX S W N M IO H	PTX S W N M IO H	PTX S W N M IO H	PTX S W N M IO H	PTX S W N M IO H	X	
24	NIMS-KMA	KACE-1-0-G	r2i1p1f1	gr	gr	PTX S W	PTX S W	PTX S W	PTX S W	PTX S W	X	O discarded due to wong postprocessing
25	KIOST	KIOST-ESM	r1i1p1f1	gr1	gr1	PTX W IO	PTX W IO	PTX W IO		PTX W IO	X	High values for TX in 2018 (e.g. Africa and Asia) for SSP5-85, but we keep it.
26	MIROC	MIROC-ES2L	r1i1p1f2	gn	gn	PTX S W M I H	PTX S W M I H	PTX S W M I H	PTX S W M I H	PTX S W M I H	X	O discarded due to wong postprocessing
27	MIROC	MIROC6	r1i1p1f1	gn	gn	PTX S W M I	PTX S W M I	PTX S W M I	PTX S W M I	PTX S W M I	X	O discarded due to wong postprocessing
28	MPI-M	MPI-ESM1-2-HR	r1i1p1f1	gn	gn	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	X	The institution is "MPI-M." for this historical simulations but "DKRZ." for the scenarios.
29	MPI-M	MPI-ESM1-2-LR	r1i1p1f1	gn	gn	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	X	
30	MRI	MRI-ESM2-0	r1i1p1f1	gn	gn	PTX S W M I	PTX S W M I	PTX S W M I	PTX S W M I	PTX S W M I	X	O discarded due to wong postprocessing
31	NUIST	NESM3	r1i1p1f1	gn	gn	PTX S O	PTX S O	PTX S O		PTX S O	X	"W" discarded (no historical). "I" discarded (no historical)
32	NCC	NorESM2-LM	r1i1p1f1	gn	gr(H), gr	PTS W M IO H	PTS W M IO H	PTS W M IO H	PTS W M IO H	PTS W M IO H	X	"X" discarded (problems with preIndustrial and ssp1-26)
33	NCC	NorESM2-MM	r1i1p1f1	gn	gr(H), gr	PTS W M IO H	PTS W M IO H	PTS W M IO H	PTS W M IO H	PTS W M IO H	X	
34	AS-RCEC	TaiESM1	r1i1p1f1	gn	gn	PTS W M				PTS W M		"X" discarded (only historical); "I", "O" discarded (only historical). Outliers for Rx5day in some regions
35	MOHC	UKESM1-0-LL	r1i1p1f2	gn	gn	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	PTX S W M IO H	X	

DAILY - **P**: precipitation (pr) **T**: temperature (tas) **X**: tasmin and tasmax

MONTHLY - **W**: wind (sfcWind), **S**: snow (prsn)

MONTHLY (land) - **N**: snow water equivalent (snw) and snow cover (snc). **M**: total soil moisture (mrso) - NOT included

MONTHLY (sea) - **I**: sea-ice area fraction (siconc).**O**: sea-surface temperature (tos).**H**: pH (ph).

Size (GB) is the size of the dataset (for the four daily variables)

Grid\_A and Grid\_O indicate the grids used for the atmospheric and oceanic data realms.