

Table S1. IPCC projected meteorological data for 2030 for Tibetan Region (TIB) climate zone.
Data source: IPCC Assessment Report 6 Working Group I Interactive Atlas [56].

Rainfall (% Change; + increase, - decrease)				
Months	SSP5-8.5	SSP3-7.0	SSP2-4.5	SSP1-2.6
Jan	-1.77	-13.28	-10.82	-4.7
Feb	1.1	-2.4	2.4	3.8
Mar	0.55	-0.47	2.4	-2.14
Apr	1.3	9.8	0.44	8.6
May	5.1	-2.3	2.3	8.4
Jun	6.5	1.3	0.79	-1.55
Jul	2.3	8.6	5.4	10.6
Aug	2.4	5.5	1.8	9.2
Sep	-2.1	3.7	0.38	12.8
Oct	1.1	-8.7	-3.36	7.7
Nov	2.8	-17.9	-20.22	-4.49
Dec	2.3	14.5	3.2	-9.91
Maximum temperature change (°C)				
Months	SSP5-8.5	SSP3-7.0	SSP2-4.5	SSP1-2.6
Jan	1.2	1.2	1.6	0.99
Feb	1.3	1.5	0.93	0.87
Mar	1.1	1.4	1.2	0.91
Apr	1.1	0.99	1.2	0.61
May	0.99	0.88	0.78	0.58
Jun	1.1	0.92	0.8	1.1
Jul	1.1	0.62	0.64	0.9
Aug	1.1	0.74	0.81	0.85
Sep	1	1.1	1	0.91
Oct	1.5	0.94	1.1	1
Nov	1.2	1.1	1.1	0.8
Dec	1.6	0.8	1.5	0.94
Snow/ice cover change (%)				
Months	SSP5-8.5	SSP3-7.0	SSP2-4.5	SSP1-2.6
Jan	-6.67	-22.46	-12.44	-10.55
Feb	-7.67	-7.17	9.32	-6.58
Mar	-5.88	0.55	6.37	2.08
Apr	-3.43	6.18	-5.28	0.72
May	4.76	-5.81	0.94	-1.04
Jun	1.47	-6.75	-9.22	-14.47
Jul	-14.99	-10.50	-11.01	-5.55
Aug	-16.79	-19.74	-11.39	-15.07
Sep	-12.98	-16.89	-17.58	-9.26
Oct	-7.65	-13.89	-6.02	0.47
Nov	-3.33	-26.44	-11.01	-3.96
Dec	-9.20	14.59	5.87	-6.16
Minimum temperature change (°C)				
Months	SSP5-8.5	SSP3-7.0	SSP2-4.5	SSP1-2.6

Jan	1.2	1.1	1.2	0.85
Feb	1.1	1.3	0.78	0.73
Mar	1	1.1	1.2	1
Apr	1.1	1.1	1	0.68
May	1	0.94	0.67	0.63
Jun	1.3	0.79	0.97	0.87
Jul	1.3	0.84	0.91	1
Aug	1.1	0.93	0.96	1
Sep	0.97	1.1	0.96	0.96
Oct	1.6	0.86	1.2	1.1
Nov	1.5	0.6	0.81	0.67
Dec	1.3	1.1	1.6	0.92
