Supporting Information

Beaumont et al. 10.1073/pnas.1007217108



Fig. S1. Mean weighted temperature anomaly projected by the A2 emission scenario climate-model ensemble for 2070.



Fig. S2. Mean weighted precipitation change projected by the A2 emission scenario climate-model ensemble for 2070.



Fig. S3. Number of terrestrial and freshwater ecoregions with extreme Tas_µ conditions projected to occur across their entire range for three 21st century time periods, and three emissions scenarios.



Fig. 54. Distribution of extreme monthly Tas_{μ} projected across terrestrial ecoregions for 2030, 2050, and 2070. (*A*) Average distance of 21st century monthly Tas_{μ} from that of the baseline period (1961–1990), where distance is measured as SDs (σ) from the mean (μ) of the baseline. Extreme monthly Tas_{μ} is defined as exceeding 2σ of the baseline μ . Results are based on a climate model ensemble (*n* realizations = 173) for the A2 emission scenario. (*B*) The coefficient of variation (CoV) shows variation across different realizations within the climate model ensemble. Areas with higher values for CoV indicate greater differences across alternate projections of future Tas_{μ} and, hence, less certainty in distance values.

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Fig. 55. Distribution of extreme monthly Tas_{μ} projected across freshwater ecoregions for 2030, 2050, and 2070. (A) Average distance of 21st century monthly Tas_{μ} from that of the baseline period (1961–1990), where distance is measured as SDs (σ) from the mean (μ) of the baseline. Extreme monthly Tas_{μ} is defined as exceeding 2σ of the baseline μ . Results are based on a climate model ensemble (*n* realizations = 173) for the A2 emission scenario. (*B*) The CoV shows variation across different realizations within the climate model ensemble. Areas with higher values for CoV indicate greater differences across alternate projections of future Tas_{μ} and, hence, less certainty in distance values.

Other Supporting Information Files

Table	S1	(DOC)
Table	S2	(DOC)
Table	S 3	(DOC)
Table	S4	(DOC)