



Fig. S1 Present and future March-August snow resource potential. **a**, 1955-2005 mean snowmelt to unmet demand ratio (same as Fig. 1e). **b**, The CMIP5 ensemble mean 2060 projection. **c**, The LENS ensemble mean 2060 projection. Stippled basins in [b] and [c] indicate where the ensemble mean is less than 1 SD of the ensemble variability. Note that grey basins in Fig. 2a and b have their snowmelt supply potentials shown here.