

| Region | Timely comparison | SSP5-8.5 | | SSP3-7.0 | | SSP1-2.6 | |
|------------------------|------------------------|---------------|------------------|---------------|------------------|--------------|------------------|
| | | mean | p-value | mean | p-value | mean | p-value |
| All regions | Historical – present | -24.5 | <0.001 | -26.6 | <0.001 | -28.3 | <0.001 |
| | Historical – future I | -55.0 | <0.001 | -51.6 | <0.001 | -34.3 | <0.001 |
| | Historical – future II | -85.0 | <0.001 | -74.6 | <0.001 | -32.5 | <0.001 |
| | Present – future I | -30.5 | <0.001 | -25.0 | <0.001 | -6.0 | <0.001 |
| | Present – future II | -60.5 | <0.001 | -47.9 | <0.001 | -4.1 | <0.001 |
| | Future I – future II | -30.0 | <0.001 | -22.9 | <0.001 | 1.8 | 1.0 |
| Andes | Historical – present | -26.2 | 0.0536 | -24.2 | 0.0595 | -23.3 | 0.106 |
| | Historical – future I | -59.6 | <0.001 | -69.9 | <0.001 | 24.9 | 0.053 |
| | Historical – future II | -112.9 | <0.001 | -97.6 | <0.001 | -33.3 | 0.005 |
| | Present – future I | -33.4 | 0.0023 | -45.7 | <0.001 | -1.6 | 1.0 |
| | Present – future II | -86.7 | <0.001 | -73.4 | <0.001 | -10.0 | 1.0 |
| | Future I – future II | -53.3 | <0.001 | -27.8 | 0.0499 | -8.4 | 1.0 |
| Appalachian | Historical – present | -21.0 | <0.001 | -17.2 | <0.001 | -22.6 | <0.001 |
| | Historical – future I | -45.3 | <0.001 | -34.6 | <0.001 | -28.6 | <0.001 |
| | Historical – future II | -79.3 | <0.001 | -57.3 | <0.001 | -32.1 | <0.001 |
| | Present – future I | -24.3 | <0.001 | -17.4 | <0.001 | -6.0 | <0.001 |
| | Present – future II | -58.4 | <0.001 | -40.1 | <0.001 | -9.5 | <0.001 |
| | Future I – future II | -34.1 | <0.001 | -22.7 | <0.001 | -3.5 | 0.07292 |
| Australian Alps | Historical – present | -21.8 | <0.001 | -28.6 | <0.001 | -24.5 | <0.001 |
| | Historical – future I | -73.7 | <0.001 | -69.2 | <0.001 | -39.3 | <0.001 |
| | Historical – future II | -129.9 | <0.001 | -111.5 | <0.001 | -42.2 | <0.001 |
| | Present – future I | -51.9 | <0.001 | -40.5 | <0.001 | -14.8 | 0.27415 |
| | Present – future II | -108.1 | <0.001 | -82.9 | <0.001 | -17.7 | 0.04763 |
| | Future I – future II | -56.2 | <0.001 | -42.3 | <0.001 | -2.9 | 1.0 |
| European Alps | Historical – present | -27.7 | <0.001 | -30.8 | <0.001 | -32.4 | <0.001 |
| | Historical – future I | -60.1 | <0.001 | -57.3 | <0.001 | -36.5 | <0.001 |
| | Historical – future II | -88.2 | <0.001 | -80.3 | <0.001 | -33.8 | <0.001 |
| | Present – future I | -32.4 | <0.001 | -26.5 | <0.001 | -4.1 | 0.00264 |
| | Present – future II | -60.6 | <0.001 | -49.5 | <0.001 | -1.4 | <0.001 |
| | Future I – future II | -28.1 | <0.001 | -22.9 | <0.001 | 2.7 | 1.0 |
| Japanese Alps | Historical – present | -14.8 | <0.001 | -17.2 | <0.001 | -20.1 | <0.001 |
| | Historical – future I | -46.6 | <0.001 | -42.6 | <0.001 | -29.0 | <0.001 |
| | Historical – future II | -67.7 | <0.001 | -64.4 | <0.001 | -29.2 | <0.001 |
| | Present – future I | -31.7 | <0.001 | -25.4 | <0.001 | -8.9 | <0.001 |
| | Present – future II | -52.8 | <0.001 | -47.2 | <0.001 | -9.1 | <0.001 |
| | Future I – future II | -21.1 | <0.001 | -21.8 | <0.001 | 0.2 | 1.0 |
| Rocky Mountains | Historical – present | -16.1 | <0.001 | -16.1 | <0.001 | -16.5 | <0.001 |
| | Historical – future I | -38.9 | <0.001 | -35.1 | <0.001 | -29.7 | <0.001 |
| | Historical – future II | -75.8 | <0.001 | -56.4 | <0.001 | -27.3 | <0.001 |
| | Present – future I | -22.8 | <0.001 | -19.0 | <0.001 | -13.2 | <0.001 |
| | Present – future II | -59.7 | <0.001 | -40.3 | <0.001 | -10.8 | <0.001 |
| | Future I – future II | -36.9 | <0.001 | -21.3 | <0.001 | 2.5 | 0.1 |
| Southern Alps | Historical – present | -23.9 | 0.0508 | -27.3 | 0.019 | -26.1 | 0.01988 |
| | Historical – future I | -59.8 | <0.001 | -51.0 | <0.001 | -29.4 | 0.00943 |
| | Historical – future II | -130.3 | <0.001 | -112.3 | <0.001 | -39.9 | <0.001 |
| | Present – future I | -35.8 | 0.0033 | -23.7 | 0.158 | -3.3 | 1.0 |
| | Present – future II | -106.4 | <0.001 | -85.0 | <0.001 | -13.7 | 0.64773 |
| | Future I – future II | -70.5 | <0.001 | -61.4 | <0.001 | -10.5 | 1.0 |