

Table 1. Calculated Relative Changes in Glacier Ice Volume Between About 2010 and 2100 for Selected Regions Based on Different Studies^a

	<i>Marzeion et al.</i> [2012]	<i>Giesen and Oerlemans</i> [2013]	<i>Radić et al.</i> [2014]	<i>Huss and Hock</i> [2015]	Overall
Alaska	$-28 \pm 6\%$	$-35 \pm 10\%$	$-25 \pm 10\%$	$-32 \pm 11\%$	$-30 \pm 9\%$
Western Canada	$-64 \pm 7\%$	$-45 \pm 12\%$	$-74 \pm 9\%$	$-76 \pm 8\%$	$-65 \pm 9\%$
Scandinavia	$-64 \pm 10\%$	$-28 \pm 8\%$	$-74 \pm 24\%$	$-81 \pm 14\%$	$-62 \pm 14\%$
European Alps	$-76 \pm 11\%$	$-88 \pm 24\%$	$-97 \pm 13\%$	$-77 \pm 12\%$	$-84 \pm 15\%$
Caucasus	$-53 \pm 8\%$	$-73 \pm 20\%$	$-75 \pm 5\%$	$-70 \pm 11\%$	$-68 \pm 11\%$
Central Asia	$-53 \pm 8\%$	$-54 \pm 15\%$	$-54 \pm 15\%$	$-54 \pm 13\%$	$-54 \pm 13\%$
South Asia West	$-39 \pm 5\%$	$-61 \pm 17\%$	$-41 \pm 20\%$	$-51 \pm 11\%$	$-48 \pm 13\%$
South Asia East	$-55 \pm 7\%$	$-88 \pm 24\%$	$-54 \pm 15\%$	$-66 \pm 11\%$	$-66 \pm 14\%$
Sub-tropical Andes	$-94 \pm 7\%$	$-66 \pm 18\%$	$-82 \pm 5\%$	$-79 \pm 9\%$	$-80 \pm 10\%$

^aThe model results are based on the same emission scenario (Representative Concentration Pathway RCP4.5, except for *Giesen and Oerlemans* [2013], who use the A1B scenario) and the mean of 9–14 global circulation models. The results also are based on identical data on glacier area and distribution, but utilize different approaches to calculate glacier mass balance and retreat. Uncertainties refer to different global circulation models used to drive the glacier models.

Giesen, R. H., and J. Oerlemans (2013), Climate-model induced differences in the 21st century global and regional glacier contributions to sea-level rise, *Clim. Dyn.*, *41*, 3283–3300. <https://doi.org/10.1007/s00382-013-1743-7>.

Huss, M., and R. Hock (2015), A new model for global glacier change and sea-level rise, *Front. Earth Sci.*, *3*, 54. <https://doi.org/10.3389/feart.2015.00054>.

Marzeion, B., A. H. Jarosch, and M. Hofer (2012), Past and future sea-level change from the surface mass balance of glaciers, *Cryosphere*, *6*, 1295–1322. <https://doi.org/10.5194/tc-6-1295-2012>.

Radić, V., A. Bliss, A. C. Beedlow, R. Hock, E. Miles, and J. G. Cogley (2014), Regional and global projections of twenty-first century glacier mass changes in response to climate scenarios from global climate models, *Clim. Dyn.*, *42*, 37–58. <https://doi.org/10.1007/s00382-013-1719-7>.