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## Regional precipitation in Iceland in dynamic downscaling of general circulation simulations

The climate of the period 2071-2100 has been simulated at high-resolution over Iceland, forced by boundaries from 2 global climate simulations from the Hadley Centre. The simulations give large regional differences in precipitation change and in some cases the precipitation increase is far more in the mountains than over the lowland, while in other cases the orographic signal is much weaker. In the winter, there is about 30% precipitation increase in mountains of NE-Iceland and almost equivalent precipitation reduction in SW- and W-Iceland, but this precipitation reduction is equal in the mountains as over the lowland. Unlike the increase in precipitation changes in autumn and winter, the precipitation changes in the summer season do not have a clear connection with the mountains.