



## **Details in precipitation scenarios in complex terrain**

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Dynamic downscalings of precipitation scenarios are explored. The simulations show only a moderate change in the mean annual precipitation in Iceland. However, there is a substantial precipitation increase predicted in S-Iceland and W-Iceland in the autumn and in NE-Iceland in the winter. The simulations show a maximum increase above sloping topography, leading to the conclusion that due to poor resolution of the topography, an increase in precipitation in the mountains may be much greater than simulated. This emphasises the need for highresolution climate simulations.