



## **Time series from a high-resolution NWP model simulation in data sparse complex terrain in N-Iceland**

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A period of one year (2004-05) has been simulated with the MM5 weather model at a high horizontal and vertical resolution over the Skagafjörður area in N-Iceland. Time series of a number of meteorological variables were extracted from the model on ten levels in the lowest 300 meters. These data have been used as an input to a dispersion model in order to estimate the potential distribution of pollutants from a possible future aluminium smelter.

The simulated meteorological data compares well with observations inside of the simulated domain, but these observations are not representative for the location of interest.