



## **Explaining future snowfall changes using circulation patterns**

Hylke de Vries

KNMI, KS-MK (Global Climate), De Bilt, Netherlands (hylke.de.vries@knmi.nl)

Snowfall is strongly influenced by climate change. In a warmer climate substantial changes can be expected in both the number of potential snowfall-days (i.e. days cold enough to make snowfall possible), as well as the actual snowfall amounts on such days. Here we report on the projected future changes in mean and extreme snowfall amounts on days with temperatures below freezing and how they relate to and can be explained from the projected future changes in the accompanying large-scale circulation patterns.