



“Climate in Norway 2100” – a national climate assessment for Norway

Inger Hanssen-Bauer (1), Hege Hisdal (2), Hans Olav Hygen (1), and Stephanie Mayer (3)

(1) Norwegian Meteorological Institute, Climate Service Center, Oslo, Norway (i.hanssen-bauer@met.no), (2) Norwegian Water Resources and Energi Directorate, (3) Uni Research

The Norwegian Centre for Climate Services (NCCS), in September 2015, launched a national report about the past, present and projected future climate in Norway, "Klima i Norge 2100" ("Climate in Norway 2100"). The report was commissioned by the Norwegian Environment Agency to form a common basis for climate change adaptation. Thirty-seven authors from seven institutions have contributed to the report, which includes results for temperature, precipitation, wind, runoff and floods, snow and glacier conditions, avalanches, landslides, sea-level and some results for the marine environment. This presentation will focus on the projected future climate change, and the methods applied to give estimates for changes and uncertainty. Most results are based on post-processed regional climate model results from EuroCORDEX applying the emission scenarios RCP4.5 and RCP8.5. For air temperature, statistical downscaling was also applied, and results from RCP2.6 are included. For sea-level rise, global results were adjusted for a number of regional and local effects. These are also given for all three emission scenarios.