



Providing climate information for local authorities

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

(1) Norwegian Meteorological Institute, Oslo, Norway (hans.olav.hygen@met.no), (2) The Norwegian Water Resources and Energy Directorate, Oslo, Norway (hh@nve.no)

The Norwegian centre for climate services, in September 2015, launched a national report on the climate and the expected future climate, "Klima i Norge 2100" (Climate in Norway 2100). This report gives a thorough understanding of the Norwegian climate and the possible future, and is too comprehensive for the regular municipal and county employee. In parallel with the production of the national report, the climate service centre participate in a small project with the county of Troms and selected municipalities (previously presented at EMS in 2014), where the focus was on the municipal employee and their need for tailored climate information. This project resulted in a small booklet of 8 pages with highly condensed climate information, called a climate profile. The profiles have a clear structure:

- Introduction where the most relevant climate risks for the county are presented
- Description of present and future climate
- Description of present and future hydrology, including floods
- Effects on avalanches and landslides.
- Sea-level rise storm surges
- Urban flooding

The focus and content is tailored in collaboration with the counties within the limitation that the profile should not exceed 8 pages.

The climate service centre will provide these booklets as part of our core service to regional and local authorities, and has so far produced 5 profiles. By the summer of 2017 all counties in Norway will have their tailored climate profile.