



The Norwegian centre for climate services - 10 years of success, challenges and pitfalls

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The Norwegian Centre for Climate Services (NCCS) was formally started 01.09.2011, after a few years of planning. Prior to the centre's start users of climate information for climate adaptation were left to pursue knowledge from different institutions. In 2009 a green paper mentioned the need for a coordinated centre where the users could acquire relevant climate information for climate adaptation. In 2010 this was confirmed in a white paper, and the year after Norwegian meteorological institute (MET Norway) and Norwegian water resources and energy directorate (NVE) established NCCS to give a coordinated knowledge base to authorities and the public. NORCE (formerly known as UNI Research) joined in 2013, thus completing this coordination of climate information. From 2014, the centre has received some financial support from the Norwegian Environment Agency.

In 2015 the report "Climate in Norway 2100" was released, giving a synthesis of past and future climate development in Norway. Simultaneously, the NCCS website was launched. The key user groups of the NCCS, and the website, is municipalities, counties, and government agencies (e.g. road authorities). This website has been further developed with the aim of meeting various user needs.

To reach the planners in the municipalities a special summary for each county in Norway has been developed. This summary has a strict format of maximum 8 pages emphasising the relevant knowledge and recommendations for climate adaptation in each county. These summaries are very popular, and 60 % of the municipalities use them.

NCCS has encountered some organisational challenges. One that always comes up is the continuous hunt for resources. NCCS has dedicated funding from the Norwegian Environmental Agency, and an in-kind contribution of at least 50 % from the partners. This is still far less than estimated needs. Another challenge is branding and publicity. The partners of NCCS have their own needs for publicity, thus partly making us our own competitors. This might be one of the reasons only 10 % of the municipalities know about NCCS while 60 % of them use the county-wise summaries. One challenge that has been managed well so far is the connection to science. NCCS has been part of multiple research projects, and even more research projects seek to use our platform and user network to disseminate their results.

The way forward is to keep developing a user-oriented service, both online, and direct communications, based on scientific progress in the fields of climate and climate services.