

Application of climate-data within the construction industry

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Knowledge on local climatic conditions is vital in order to ensure robust, sustainable and cost-effective buildings. Much of the climate information available for the construction industry in Norway is old. An example is the driving rain map produced in 1955 and in use until recently. Furthermore, thermal insulation design guidelines have until now partly been based on data from the normal period of 1931 - 1960. New and improved climate indexes are now being developed as part of the Norwegian research & development programme "Climate 2000". ArcGIS have been used to process geo-referenced information in order to accomplish indexes that embrace geographic variations in the Norwegian climate.

This presentation will provide a brief overview of research on applied climatology within the "Climate 2000" programme.