

## **How cold was the Winter 2005-2006 in Sofia**

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Climate affects deeply mankind and human activities. The bioclimatic conditions are one of the important features of the urban environment. Residents of Sofia have perceived the last winter as exceptionally long and cold. The aim of presented work is to analyze the human comfort conditions in the town of Sofia during the winter period 2005-2006.

As a tool for assessment of the level of human comfort/discomfort conditions the new wind chill (WCI) and Thom (THI) indexes have been used. The diurnal variability and the features of the thermal comfort have been analyzed.

The hourly data for air temperature, wind speed and relative humidity from the automatic meteorological station (AMS) Sofia have been used in the analysis. The assessment of the influence of the urbanization is made on the bases of comparison with data from other AMS situated in rural area.

The general climate characteristic of considered winter is also included. The obtained results are compared with the climatic normals