

## **Homogenization of long-term series of air temperature in Bulgaria**

V. Alexandrov

National Institute of Meteorology and Hydrology, Department of Meteorology, Sofia, Bulgaria  
(Vesselin.Alexandrov@meteo.bg)

Homogenization of long-term series of average, minimum and maximum air temperature from Bulgaria was done. The currently used in Météo-France homogenization procedure, which does not require computation of regional reference series, was applied. The RHtestV2 software package was also be used to detect, and adjust for, multiple changepoints (mean-shifts) that could exist in air temperature data series. Detection of changepoints was also possible with the RHtestV2 package when a homogenous reference series was not available. A comparison of the results obtained by the above two approaches was implemented, as well.