



## **Cold waves in Serbia**

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Climate extreme indices allow the assessment of changes in extreme climate events. The cold Spell Duration Index (CSDI), from which the duration and severity of the cold waves are estimated, was applied to the seasonal series of the daily minimum temperatures at 15 meteorological stations in Serbia during the period 1949 to 2012.

An analysis of the daily minimum temperatures during the winter season revealed that the longest (up to 20-22 days) and most severe cold waves were recorded in 1954, 1956, 1963 and 1983. In the transient seasons, the cooling episodes were observed in 1983 and 1988 (autumn season) and in 1987 (spring season) followed with a great reduction in duration and severity of cold waves. During the summer season, only in 1962, the longest (from 6 to 8 days) and most intense cold wave was registered almost over the whole territory of Serbia.