



Snow cover duration and seasonal maxima trends in the mountain regions of Bulgaria

Dimitar Nikolov and Cvetan Dimitrov

National Institute of Meteorology and Hydrology - Bulgarian Academy of Sciences, (dimitar.nikolov@meteo.bg)

The mountains in Bulgaria represent more than 30% of the territory of the country and the snow accumulated there from early autumn to late spring is an important water resource, feeding lakes, rivers, reservoirs, groundwater and hydro-electric industry throughout the country. Mountain ecosystems and vegetation also strongly depends on snow cover conditions. Snow cover depth and duration play also a key role as the essential resource for the winter tourism.

Two characteristics of the snow cover – its duration and seasonal maximums in the Bulgarian mountains have been analyzed and assessed in terms of trends. The period of investigation spans over more than 50 years (1962-2016) and covers regions with altitudes from 900 up to 2400 m a.s.l.