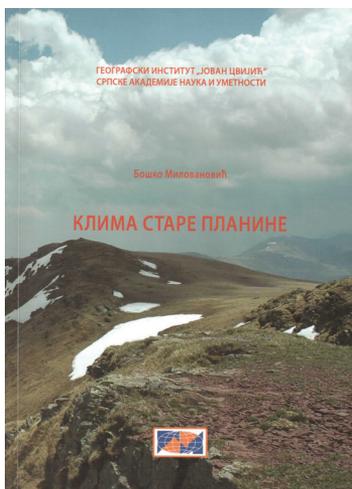


BOOKS REVIEWS

Boško Milovanović

CLIMATE OF THE MOUNTAIN STARA PLANINA

Geographical Institute “Jovan Cvijić” SASA, special edition, vol. 75, 2010.



The monograph of the author Boško Milovanović, “Climate of the Mountain Stara planina” is an original scientific work based on researching of terrain, applying statistical and general scientific methods, domestic and foreign sources of literature. Using results from data analysis of climate elements for period 1961-2000., this monograph represents the regional climate study of the mountain Stara planina and its surrounding areas.

The book contains five parts on 135 pages. In first part, in introduction, the author points out that the main motive of choice of research topic is neglected area of Stara planina in previous studies of regional climate in Serbia. It is also presented geographical position and physical geographic features, as well as climatic factors and modifiers in this area. For time-

space analysis of climate elements were used the data series for 30 stations; 6 climatic stations and 24 precipitation stations. Climatic station with the lowest elevation is Negotin (42 m) and the highest is Topli Do (700 m), and the lowest elevation of precipitation station is Mokranja (80 m) and the highest is Dojkinci (880 m). It was also done investigation of homogeneity of the available series and filling missing data.

The second part of the book overviewed climate elements in the area of the mountain Stara planina, with special emphasis on air temperature and precipitation, and determining the vertical temperature gradients, respectively precipitation gradients and pluviometric regimes. In order to complete climate study, author is calculated the values of combined climate elements; degree of continentality, the index of drought, rain factor, the relative fluctuations of rainfall and pluviometric aggression. The regional climate typology is given in the third part. For low land, there are separated three groups of climate regions; Donji Timok’s climate region, Beli Timok’s climate region and Nišava’s climate region. For high land are transitional or sub-mountain climate region at elevation between 600 and 1250 m, real mountain climate region at elevation 1250-1900 m and high mountain climatic region is above 1900 m. Also, there are two intrazonal climate areas; valleys of two rivers – Dojkinačka reka and Toplodolska reka. Climate change in the area of Stara Planina in the second half of the 20th century is shown in the

fourth part; decadal changes in air temperature with the positive values in the northern part gradually turn negative in the south, while the precipitation trend line is negative for the whole observed area.

Finally, concluding remarks (part five) stress the importance of better and more accurate data base that will contribute to new knowledge, primarily in order to defining the spatial distribution of climatic elements. It can be concluded that the monograph "Climate of the Mountain Stara planina" by author Boško Milovanović is the fundamental regional climate study that can be used in applicative research of various economic activities in the area of Stara planina.

Gorica Stanojević