

ANALYSIS OF TRENDS OF CLIMATE FLUCTUATIONS IN BOSNIA AND HERZEGOVINA

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Fluctuation is a legitimate geographical category and includes long-term systemic fluctuations in natural phenomena and processes. The fluctuations are conditioned by the rhythms, and the rhythms with cycles. Rhythms define mild changes in natural processes that arise in causation and relationships between teluric and cosmic forces. Rhythms can be one-day (shift of day and night), annual (shift of seasons), centennial (hydrological and climatic fluctuations) and secular (paleogeographic changes of the appearance of the planet Earth through the geological past). Fluctuation is the general trend of legitimate changes in natural processes expressed through rhythms and cycles, which take place around equilibrium natural states. These oscillations fall into the domain of natural fluctuations, such as, inter alia, oscillations of climatic elements and phenomena.

The analysis of the climate indicators of the instrumental period in Bosnia and Herzegovina presents the fluctuation of the centuries-old isothermal and isohietal regime. The fluctuation of climatic parameters takes place around the equilibrium level at certain rhythms and is sufficiently correlated with the world's indicators. For the display of fluctuation strings as an etalon, centennial monitoring of the climate regime of the meteorological observatory in Sarajevo was used. In addition to analyzing the compression sections of the centennial series of climate parameters for the mentioned climate observatory, it is necessary to compare them with the climatic parameters of different climatic periods, from at least two, in order to obtain the results of total climate fluctuations in Bosnia and Herzegovina.

Key words: *fluctuation, climate fluctuations, analysis, climatological monitoring.*