

PARTICULARITĂȚI ȘI EFECTE ALE SCHIMBĂRILOR CLIMATICE ÎN ROMÂNIA

PECULIARITIES AND OUTPUTS OF THE CLIMATIC CHANGES IN ROMANIA

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Abstract: Climate warming is a real phenomenon of our times, recognized worldwide and already evidenced by the analysis of observational data for long periods of time. The simulations performed with complex global climate models have shown that the main causes are both natural (variations in solar radiation and volcanic activity) and anthropogenic (combustion of fossil fuels, changing land use etc.). In Romania, the climate variability will have direct effects on certain sectors such as agriculture, forestry, water administration, infrastructure; it will lead to periods of vegetation change, and displacement of the lines between the forests and meadows, and it will determine the increase of the frequency and intensity of extreme weather events (storms, floods, droughts). The changes in the climate regime of Romania fit in the global context, taking into account the regional conditions: increased temperatures and more pronounced droughts in the summer; the agriculture will be most affected and there will be a considerable decrease of forest productivity and increased extreme weather events.

Keywords: climate change, global warming, droughts, heat waves, atmospheric phenomena, climate scenarios