**PROBLEMS CLIMATE CHANGE, CONSEQUENCES SOFTENING AND ADAPTATION IN THE REPUBLIC OF ARMENIA**

*Margaryan Varduhi*

*Yerevan State University, Department of Physical Geography and Hydrometeorology, Faculty of Geography and Geology, Yerevan, Armenia, Alek Manoukian Street,1, 0025, Tel: (+ 374 98) 868740, Fax: (+ 374 10) 554641, Email:* [*vmargaryan@ysu.am*](mailto:vmargaryan@ysu.am)

Climate change is a serious problem for humanity. Influences of climate change are sensed in around the world today. The Republic of Armenia as a country with dry climatic conditions is vulnerable in the whole territory of country to climate change. By the estimation of World Bank in the region of Europe and Central Asia Armenia is most sensible country to climate change.

So, the main goal in the work was to study, clarify and analysis climate changes in the territory of the Republic of Armenia and work out productive ways of softening of waited influence and adaptation of climate change.

The theoretical basis for solving the tasks of research, in particular, are the research works about climate change and its effects’ mitigation. As a methodological basis used by our scientific work are characterization, analysis, statistical analysis, mathematical and correlation methods. As a basic material, flow, temperature and precipitation data have been taken from the Hydromet Service.

In the result of studies became clear, that in the territory of republic observe tendencies of decreasing of annual number of atmospheric precipitation and increasing of annual average air temperature. Decreasing of waited water resources, increasing of drainage territory, increasing the frequency of hydro meteorological dangerous events, negative changes of natural ecosystems will reflect negatively on health of population, vulnerable spheres of economy.

So, taking account above-mentioned, in the work have been suggested the methods of softening and adaptation of consequences of effects of climate change in studying area, for its realization are necessary large capital investments.

It is very important the circumstance to work out the mechanisms of acquisition of financial mean, also immediate participation of society in arrangements to softening of consequences of climate change.