

# 4<sup>th</sup> International Conference on **Earth Science & Climate Change**

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## **Aspects of adaptation of nonresident students to the conditions of the metropolis (for St. Petersburg)**

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In various universities around the world people come from different climatic zones in with national characteristics, culture, lifestyle and social status. Thus, the adaptation of nonresident and foreign students is a serious problem, the solution of which requires a systematic approach and interdisciplinary research for the study of adaptive capacity, adaptation mechanisms to ensure the successful entry of students into the educational process. The purpose of the research is study and development of methodologies for integrated assessment the impact factors of the natural and social environment on the processes of adaptation of nonresident and foreign students in the city (for example, St. Petersburg). For the realization of the experimental model key problems were identified such as: Social, linguistic, geographical health, education, problem of tolerance and other. We have to consider factors of meteosensitivity such as the body of students, especially for students who come from the southern countries. To study the degree of individual, meteosensitivity technology has been developed, which includes subjective and objective assessment of the adaptive capacity of the student. The study involved focus group (100 students), application of a high-tech medical hardware system, conducting biometeorological monitoring, including collecting information about the weather, environmental conditions, geomagnetic activity and space weather. Based on these results recommendations were developed for students and university management.

### **Biography**

Semova Ekaterina completed Bachelor of Environmental Science, now she is studying in the magistracy at Faculty Ecology and Physics at the Russian State Hydrometeorological University. She participated in regional and international conferences and has published more than 10 papers in scientific journals. She is researcher in the field of biometeorology, human ecology and medical geography; she is successful in scientific research and has received some grants and awards.

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