

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

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### Project “Biomet Forecast”: Human’s adaptation to weather changes

Weather and climate have a multifaceted impact on human health, and the processes of human’s adaptation to different climatic conditions depend on the medical and geographical characteristics of the regions of human habitation, the state of his health and genetic factors. The universality action heliogeophysical, climatic and weather factors on biological objects, and above all a man requires a modernization of special methods for assessing and predicting environmental comfort and health of the population, given the current criteria and age groups (older people in risk group), which is especially important in terms of global climate change. Development innovative Project “Biomet Forecast” for practice shows that this complex is always allocated the most urgent problems that should be addressed immediately to use the biometeorological assessment of weather and climate of especially extreme characteristics which influence health and main types of a disease. The purpose and tasks of the presented work is the:

1. Investigation of the complex environmental parameters in the region of St. Petersburg and their influence upon the human health;
2. Establishment system of early warning of adverse weather or environmental conditions in the megalopolises;
3. Development of methods of an assessment and forecasting of meteorological and geophysical factors, and possible environmental pollution in various climatic and physiographic conditions.

The social meaning of project “Biomet Forecast” is important because research results forecasting are presented in mass media for a wide audience.

### Biography

Marina Trubina has completed her PhD from Russian St. Hydrometeorological University (RSHU), St. Petersburg. She is the Director of computer center, researcher and Assistant Professor from RSHU, and has published more than 200 papers in scientific journals. She is Chairman of the Commission of medical geography of the Russian Geographical Society, a member of the International Society of Biometeorology (ISB), renowned expert in the field of applied climatology, biometeorology, human ecology and space weather. She actively participates in scientific activities in Russia and the world.

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