

**Development of theoretical and applied bases for global modelling of sustainable development processes and evaluation of the main threats for human life quality and safety in the framework of the World Data Centre “Geoinformatics and Sustainable Development” and International Cooperation of the World's Data Systems.**

Global Modelling of Sustainable Development

Non-stationarity of natural disasters of various nature, the mode of which greatly depends on climate and techno-sphere changes has been investigated on the basis of System Mathematics application, being an analytic platform for solving interdisciplinary issues. Quantitative assessment of sustainable development process that depends on a group of economic, environmental and social indices, indicators and data sets (if taking into consideration all possible threats) has been made. The analysis of these threats impact to sustainable development worldwide has been conducted. The group of global risks and threats for the development of these countries has been analysed and scenarios aimed at avoiding undesirable consequences and disasters caused by the action of these factors have been developed by the Academician of NAS of Ukraine M.Z. Zgurovskyi.

Grid, the department of the Ministry of Education and Science of Ukraine, which is related to the Grid information type (Data Grid) according to its functions, is being created. Ugrid project implementation entails servicing of Ugrid Ukrainian subsidiary of the World Data Centre (WDC UV) by providing its customers with remote access to world scientific data, the possibility of efficient joint use of computers, unique experimental equipment and devices ([www.wdc.org.ua](http://www.wdc.org.ua)) (Academician of NAS of Ukraine M.Z. Zgurovskyi, A.I. Petrenko).