



Loss estimation and damage forecast using database provided

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There is a wide spectrum of development of natural hazards is observed in Russian territory. It the necessity of investigation of numerous events of dangerous natural processes, researches of mechanisms of their development and interaction with each other (synergetic amplification or new hazards emerging) with the purpose of the forecast of possible losses. Employees of Laboratory of the analysis of geological risk IEG RAS have created a database about displays of natural hazards in territory of Russia, which contains the information on 1310 cases of their display during 1991 – 2008.

The wide range of the used sources has determined certain difficulties in creation of Database and has demanded to develop a special new technique of unification of the information received at different times. One of points of this technique is classification of negative consequences of display of the natural hazards, considering a death-roll, wounded mans, victims and direct economic damage.

This Database has allowed to track dynamics of natural hazards and the emergency situations caused by them (ES) for the considered period, and also to define laws of their development in territory of Russia in time and space. It gives the chance to create theoretical, methodological and methodical bases of forecasting of possible losses with a certain degree of probability for territory of Russia and for its separate regions that guarantees in the future maintenance of adequate, operative and efficient pre-emptive decision-making.