

A Branch of Science on Exogenic Geological Processes (EGP) Regime: Problems and Ways of Solution

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Of an ever more actual problem in engineering geology of the recent years becomes the study of regime and basic features of exogenic geological processes, and the concept of modern exogeodynamics practically by today not developed yet.

The measure of an impact exerted by exogenic geological processes on the environment, including biota, is their activity which is characterized by different parameters. The change of EGP activity in time just means the regime of exogenic geological processes. No reliable forecasting of EGP is possible without data on the regime of their manifestation. The regime of exogenic geological processes is complicated by its structure and depends on their genesis and conditions of development.

In accordance with the above-said, the most important tasks to be solved are:

- Determination of a complex of unified quantitative characteristics of EGP manifestations;
- Definition of the concept "regime of EGP", development of its structure and content;
- Selection of geological objects for stationary observations of EGP;
- Development of principles for arrangement of observation networks, methods to study EGP regime.

The solution of the above-listed tasks serve as the basis of a new direction in engineering geodynamics - ***a branch of science on the regime of exogenic geological processes.***