THE GLOBAL ENDO-DRAINAGE SYSTEM: PROSPECTS OF SEISMIC PREDICTION

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Abstract. Each natural phenomenon (process) occurs, develops and dies away within the specific environment. Studying patterns of any process and its forecasting require thorough knowledge of the host environment. From this point of view some characteristic features of the Global endo-drainage system (GEDS) – its structure and functions are considered. The system itself is considered as the geological medium which includes all Earth's seismic belts where most of the earthquakes occur. Basic principles of the hydrogeodeformatics providing the methodology for the strain-field monitoring and strong earthquake's prediction are also given. Based on the long term monitoring of the Earth's hydrogeodeformation field, some examples of such predictions are given.

Keywords: the Global endo-drainage system (GEDS), endo-drainage apparatus, the regional hydrogeodeformatics, the hydrogeodeformation field of the Earth, HGD-monitoring, earthquake precursors, earthquake prediction, global network for geodynamic processes monitoring.