



Catastrophic events in terrains along the northern Bulgarian Black Sea coast

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The study of the catastrophic events (paleoseismic, historic and contemporary earthquakes) in the terrains of the Northern Bulgarian Black Sea coast is a very important up-to-date problem. The investigated region is one of the highest-energy one in Bulgaria. The events include all geological, geomorphological and tectonic phenomena connected with catastrophic earthquakes (anomalous disturbances of the relief and creation of new specific relief forms; disturbances in sedimentation; processing of neotectonic block and fault structures; rearrangement of the surface and ground water basins; partially or entirely collapsed caves; oil, gas and salt intrusions; gravitationally formed slopes, etc.). They are developed in terrains that had provoked considerable significant and anomalous deformations in the relief and were accompanied by avalanche sedimentation. One-acts events are considered in most of the cases, but there are also structures that have been reactivated during the subsequent stages. They were formed as a result of global and local geodynamic events. The study and monitoring of the catastrophic events in the terrains is a very up-to-date topic, since their ecological consequences could be of catastrophic effect. The investigation is also important because the Bulgarian Black Sea coast (Moesian platform) in contemporary geodynamic plan is subjected to enhanced destruction.