

GEOLOGICAL HAZARDS IN BULGARIA

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During the last years a new map in scale 1:500 000 for the hazardous geological phenomena and processes has been created. It consists of more than sixty processes with sudden action, or recurrent activation, processes with permanent action and man made activities following by disastrous phenomena.

In the first group are included: earthquakes, landslides, rock falls, liquefaction, etc.

In the second group are mapped different tectonic movements, temperature and radioactive anomalies, etc.

In the third group are different phenomena caused by the technogenic activity of the society - Rock bursts, subsidence, water and gas bursts in mines, etc.

It is important to mention that on the territory of Bulgaria, there are not only three of the world recognised disastrous phenomena - active volcanoes, constant ice cover and desertification.

Similar geodynamic activity needs special measures for providing people, structural and environmental safety. For this purpose special smaller scale maps are constructed, to estimate the most vulnerable places, the most populated areas and the monitoring systems necessary for risk special calculations.

This map gather together all famous phenomena and processes which may affect the territory of the country. It was created as a response of IDNDR activity and will help the specialists and wide public to familiarise them with the problems of the geological hazard in Bulgaria.