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Classifications and typology of the natural and triggered technological risks according to the GDP and probability of occurrence

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New approach to the risk management concept based on the assessment of damages (in % of GDP), probability of occurrence and necessary measures to create resilient society is presented. Several theoretical models are investigated and compared. The "acceptable risk" concept is developed based on the preventive measures and expected results.
“Resilient”, “Transition” and “Forbidden” areas related to the damages and probability of occurrence are graphically defined. Nonlinear expression of damages is presented following the Poisson distribution of rare events. Scenario about the threaten objects and possible damages in case of the complex natural hazardous events (earthquakes, tsunamis, landslides)is presented. A number of natural hazards acting simultaneously or in near time domain to the city urban area with a lot of different threaten objects on the Black Sea coast (Balchik) is shown as an illustration to the theoretical conclusions.