

Assessment of the Effectiveness of the Anti-Debris Flow Engineering Constructed to Reduce the Risk of Expected Debris Flow in the River Mletiskhevi by Computer Program RAMMS

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Abstract : Geoinformatics systems (GIS) integrated computer program RAMMS is widely used for forecasting debris flows and accordingly for the determination of anticipating risks with 85% accuracy. In view of the above, the work introduces new capabilities of the computer program RAMMS, which evaluates the effectiveness of anti-debris flow engineering construction, namely: the possibility of decreasing the expected velocity, kinetic energy, and output cone volume in the Mletiskhevi River. As a result of research has been determined that the anti-debris flow engineering construction designed to reduce the expected debris flow risk in the Mletiskhevi River is an effective environmental protection technology, that's why its introduction is promising.

Keywords : construction, debris flow, geoinformatics systems, program RAMMS

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