

## **Soil Water Erosion in Slovakia - Problems and Solutions**

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In the Slovak Republic, the moderate up to the extreme potential erosion risk was assessed for 65% of agricultural soil found. We have analysed universal erosion control principles, established legislative documents associated with soil erosion control, relationship between water erosion intensity and existence of soil, as well as computing methods, used in erosion control. The results of these analyses show that if the actual legislative acts will not be applied in practice, sooner or later the soil layer on specific sites will be totally devastated. We have also found out that application of STS No. 75 4501 protects soil better than application of Act No. 220/2004.

**Keywords:** water erosion, erosion control principles, intensity of soil formation, acceptable intensity of erosion, acceptable length of slope