



Slushflow, slushswamp and ground avalanche triggered partly by spring water - Krkonose Mountains, Czech republic

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Slushflow, slushswamp and ground contaminated avalanches triggered by spring water in Krkonose Mts. are phenomena, which - on base of 10 years observations - have been recognized in different altitude level and in different time scale. Slushflow seems to be rare phenomenon, still observed only 1 time in mountain area during heavy rainfall, slushswamp are regularly yearly phenomenon on subalpine area connected with mires and fast thawing of snow during rainfall; ground avalanches triggered partly by spring water appear in time horizon of several decades on the same avalanche track and have significant influence to the terrain forming, when large quantity of soil and stones is transferred. Considering that these avalanches occur in uninhabited areas of the National Park, they are not dangerous for people, but are an important phenomenon of slopes development in subalpine-mountain zones. More detailed information - climatic conditions, bedrock description, 3D model of relief are taken into consideration in assesment of this type of avalanches.