



The structure of periglacial layers in the uplands of Rhineland-Palatinate (West Germany)

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The poster presents several examples taken from Taunus, Hunsrück and Westerwald Mts. (Rhenish Slate Massif), the Palatinate Forest (Bunter Sandstone) and the Donnersberg monolith (porphyry).

Extended research activities during the last years were carried on to specify the well known differentiation of periglacial slope deposits into three layers: Basic layer, medium layer and main layer on the top.

At several places the medium layer is missing but, at a few places the basic layer and where it occurs, also the medium layer can be divided in two or more sublayers. The typical sediment of the medium layer and the main layer is fine silt, originating from periglacial loess deposits. Typically, the medium layer is more silty than the main layer. Exclusively involved in the main layer is Laacher Bims tephra of different content.

Several problems are under discussion, such as: The different ages of the basal and medium layers at various places and the existence of a top layer (Oberlage). Another problem is the distinction between the main layer and Holocene colluvia.