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Monitoring and valuation of selected indicators of water quality and nutrients loss by extreme rainfall-drain events in dependence on cultures representation in small catchments

J. Moravcová, T. Pavlíček, M. Koupilová, T. Kvítek, J. Váchal
South Bohemian University in České Budějovice, Czech Republic
(moravcova.janca@seznam.cz / Phone: +420-387772773)

The project aim is water quality monitoring and evaluation and consequently also calculating of nutrients loss from small catchments in the sub mountainous areas of Šumava Mountains and Bohemian-Moravian Highland by extreme rainfall-drain events.

The origin of extreme rainfall-drain events in our nature conditions is generated by extreme intensive precipitations or by sudden snow melt in spring. The gained data are evaluated to cultures representation in examined localities. At the same time the data gained by extreme rainfall-drain events were compared with long-time monitoring results by normal water-level stage, because whilst by normal outflow the water quality is changing slowly in connection with vegetation period and adequate human activities, by higher outflows is the water quality strong changing.