

## **Experimental Setup for Evaluation of the Protective Technical Measures Against the Slopes Degradation Along Linear Construction Sites**

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Soil erosion of the slopes along the linear construction sites, such as railroads, roads, pipelines or watercourses, is usually underestimated by the construction companies and controlling authorities. But under certain circumstances, when the construction site is not maintained and protected properly, a large amounts of soil may be transported from the sites to the surrounding environment during the intensive rainfall. Transported sediment, often carrying adsorbed pollutants, may reach watercourses and cause water recipient siltation and pollution. Within the applied research project we investigate ways of low cost, quick and easy technical measures that would help to protect the slopes against the splash erosion, rills development and sliding. The methodology is based on testing of various permeable covers, sheets, anchoring and patchy vegetation on a plot and hillslope scales. In this contribution we will present the experimental plot setup, consisting of large soil blocks encapsulated in the monitored steel containers and nozzle rainfall simulator. The presentation is funded by the Technological Agency of the Czech Republic (research project TH02030428) and an internal student CTU grant.