

This diploma thesis goal is the achievement of an estimate of abandoned agricultural land in regions Frýdlantsko and Semilsko. The estimate is based on the output of investigation, which was executed in the terrain of two territorial entities which were chosen on the basis of similarity analysis as the most representative areas for regions Frýdlantsko and Semilsko. Another goal of this diploma is to find reasons and facts which influence this phenomenon and compare usability of different referential data. A satellite image classification is also a part of this work with its aim of comparison the land use according to LUCS P&F UK database versus real situation.