

# HUMAN IMPACT ON THE LAND COVER CHANGE IN UNIVERSITY FOREST ENTERPRISE IN ZVOLEN

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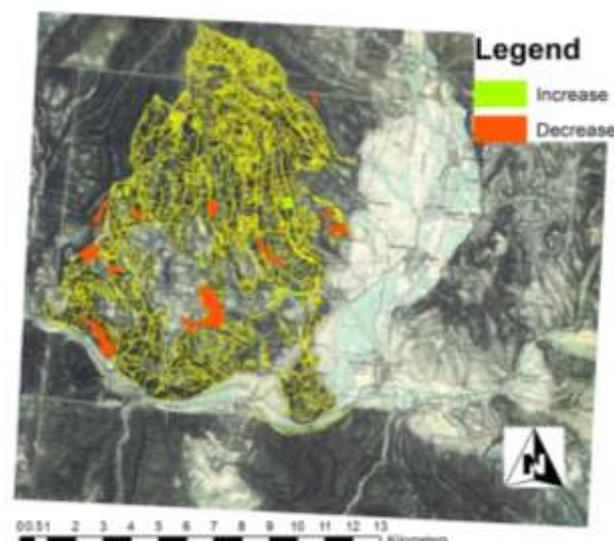
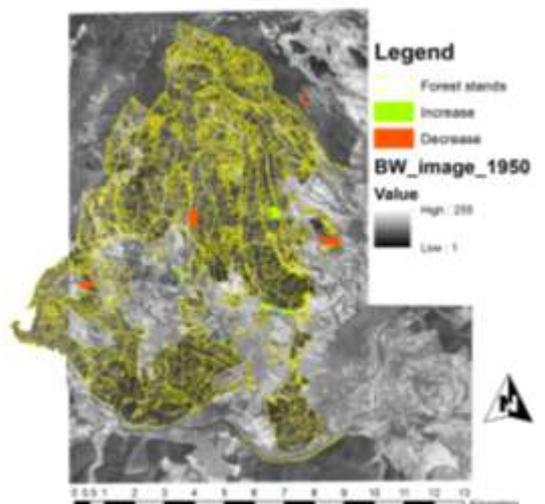
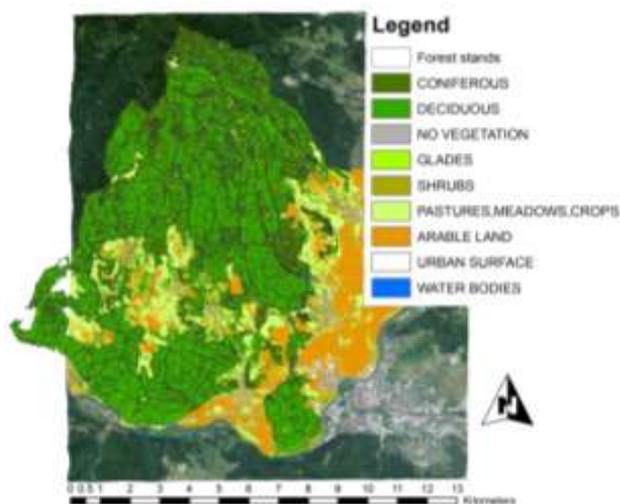
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## Goal:

Assessment of land cover change in the selected region (11 000 ha) surrounded by famous mining towns of the past

## Methods:

Retrospective analysis of historical orthoimages and historical maps (supervised classification, method of image regression and visual interpretation)



2012 - LC classification (World View-2)

2012/1978 and 1978/1950 change detection

1950/1846 change identification

Preliminary results:

- At the end of 18th century, the deforested areas occurred mainly around villages (demand on wood for mining)



- Forest expansion in second half of 20th century (abandonment of farmlands)

