



Geomatics Lab – BSc Thesis

Geography Department, Humboldt-Universität zu Berlin

Title:

Land-use and Land-cover change around the former military area “Wünsdorf” in Brandenburg

Sub title

Using remote sensing and ancillary GIS-data to assess changes within and in the surrounding of the military area “Wünsdorf” between 1900 and 2014.

Supervisors

Jan Knorn, Patrick Griffiths and Matthias Held

Thematic Background

Remote sensing, GIS, cartography, landscape ecology

Objectives

- Compiling historic facts about the study area and its military use
- Analyze and digitize historic maps to map land cover/use before military usages
- Classify satellite/areal images to assess the most recent allocation of land cover/use
- Use change detection techniques to assess changes in land-cover/use before and after the fall of the iron curtain
- Draws conclusion on the socio-economic and ecological consequences of the assessed changes

Target group

Bachelor students with background in Geography, interest in remote sensing / GIS and landscape ecology.

Pre-requisites (please contact the supervisors for specifications)

- Relevant skills and training in GIS and remote sensing
- Experiences in performing field-surveys

Dates, Duration & Application procedure

- No specific starting dates; duration 3 month
- Interested students are asked to contact one of the supervisors