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GIS-Box. GIS Basics

Mapping Transformation

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Master		
SS 21		

This module is part of the GIS-Box, which collects and provides knowledge, resources and tools to visualize and analyze spatial data. In the GIS Basics, students will get theoretical and practical introductions to a number of concepts and tools that are relevant to mapping and spatial analysis. This includes map projections, satellite images, elevation models, and connectivity analyses. Students will complete tutorials, short exercises and produce maps using QGIS, an open source software that can be used to visualize and analyze geospatial data. Video tutorials will teach you to select, display and style data. Specifically, you will produce your own maps of a city or region in order to develop and share an understanding of the space. The Rhenish lignite mining area will serve as a common spatial point of reference.

Students who take this course will have access to other content of the GIS-Box (video lectures and tutorials), even if they are not registered for them.

introduction:
wednesday, 14.04.2021,
03:00 to 05:00 pm, Zoom

online self study

examination:
friday, 23.07.2021,
12:00 am, Moodle

recognition:
3 ECTS