Bachelor or Master Thesis

Rhine River Restoration

Context
The reestablishment of the ecological quality standard is one of the primer goals of the Water Framework Directive (WFD) adopted in 2000. Many efforts have been made to achieve WFD goals. The restoration of the Rhine River is particularly challenging because the river governance rely on six different countries and because of its many uses, e.g. navigation or gravel and sand mining. However, since 2000, around 140 km² of floodplains have been reactivated and 124 alluvial waters have been reconnected to the main Rhine river. Many project rely on local initiative and it is difficult to follow where implementation sites are. The Observatoire du Rhin, started to inventory measures https://obs-rhin.engees.eu/?q=fiches_carte focusing on French projects. The thesis will:
- Investigate documented project
- Extend the inventory of Rhine river restoration sites
- Map river restoration
- (As Master thesis: Elaborate on remaining restoration potential)

Methods: Literature review, online research, Mapping, Interviews, (SWOT analysis).

Requirements: French, German, English, (Thesis can be submitted in German), GIS, Web tools

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