

Development of a GIS-based methods for the territorial risk assessment within the further characterisation according to the EU-Water Framework Directive

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Project Objective: Development and checking of the methods within the further characterisation: Method for the regional spatial risk assessment of the groundwater depended ecosystems in the FFH areas and for territorial risk assessment of the diffuse pollution

Location: Saxony

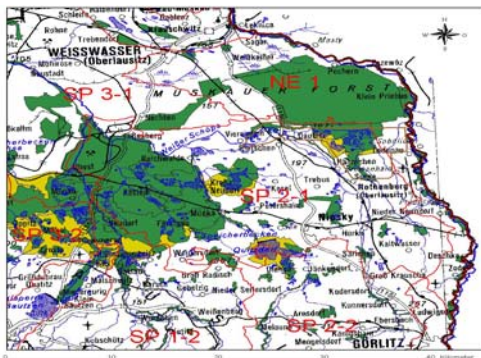
Client: Saxon State Office for Environment and Geology (LfUG)

Beneficiary: LfUG

Year: 2003-2004

Initial situation:

The objective was to develop the regional spatial methods for the risk assessment within the further characterisation. The methods for the assessment of the diffuse pollution included the types of land use related approaches. The methods for the risk assessment of the groundwater depended ecosystems included several types of natural habitat in the current natural environment. For the water quality and quantity the territorial risk assessment of the types of natural habitat of the FFH areas was done.



Services provided:

- Development of the GIS-based methods for the assessment of nitrate concentration in the groundwater and for the assessment of risk potential of groundwater depended ecosystems.
- Validation of methods using the soil-physical, hydro-chemical and agricultural measurement data
- Method application in the pilot areas of groundwater body