

# Analysis of the application of EU-WFD under condition of rehabilitation areas

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**Obejctive:** Cause determination for the contaminated water bodies of the river Lausitzer Neiße according to the WFD including morphology, hydrology and hydrochemistry

**Location:** Saxony

**Client:** State Environmental Office Bautzen

**Beneficiary:** StuFA Bautzen

**Year:** 2004



## Initial situation:

According to the WFD the water bodies have been excluded and risk assessment has been done for the catchment area of Lausitzer Neiße. According to the current survey the water bodies of Lausitzer Neiße are not in a good condition. For the deficits the causes in water and in catchment area have been determined. This concerns the morphological problems, water catchment from the river while flooding of open-cast mine as well as physical-chemical influences regarding the priority materials.



## Services provided:

- Mapping of morphological formation of river bed
- Integration of formation of fish fauna
- Integration of analysis results of priority materials according to the WFD
- Integration hydrological conditions while the flooding of open-cast mine
- Derivation of measures on the basis of management plans
- Visualisation of results