

Data	France	Germany
<b>Biological samplings</b>		
<i>Multimetric index</i>	I2M2	Faunaindex and associated multimetric indices
<i>Community metrics</i>	EPT abundance and diversity	ETP share and species abundance Along with many other metrics on zonation, feeding and habitat
<i>Sources</i>	RCS French sampling survey database	Various previous projects using monitoring data according to the Water Framework Directive Samples and metric calculation using the online tool PERLODES
<b>River characteristics</b>		
	Strahler rank of the river at the sampling point	River typology for reference states at the sampling sites
	Catchment area upstream from the sampling point	Catchment area upstream from the sampling point Altitude and geographic coordinates of sites
<b>Riparian buffer</b>		
<i>Locally</i>	Shares of the buffer area 250 m upstream and downstream the sampling site and 30 m wide to either side for woody, urban, wetland, grassland and cropland landuse	Shares of the buffer area 500 m upstream the sampling site and 10 or 30 m wide to either side according to river type for urban, woody, grassland and agricultural landuse
<i>Upstream</i>	Shares of the buffer area 5 km upstream the sampling site and 30 m wide to either side for woody landuse	Shares of the buffer area 3500 m upstream the sampling site and 10 or 30 m wide to either side according to river type for urban, woody, grassland and agricultural landuse
<i>Sources</i>	Syrah_ce database for woody riparian vegetation and CORINE landcover data for other landuse forms	ATKIS landcover data supplemented by woody features derived from aerial photography provided by the Federal Agency for Cartography and Geodesy (BKG)
<b>Adjacent landuse</b>		
<i>Locally</i>	-	Shares of the area of a circular buffer of 500 m diameter around the sampling site for urban, woody, grassland and agricultural landuse
<i>Catchment</i>	Shares of the sampling site's catchment for woody, urban, wetland, grassland and cropland landuse	Shares of the sampling site's catchment for woody, urban, grassland and cropland landuse
<i>Sources</i>	CORINE landcover data	ATKIS landcover and local landuse supplemented by woody features derived from aerial photography provided by the Federal Agency for Cartography and Geodesy (BKG)
<b>Physico-chemistry</b>		
<i>Phosphorus</i>	Mean concentration over 11 months preceding the biological sampling	Mean emission of total phosphorous in tons per year and square km of catchment
<i>Nitrogen</i>	Mean concentration of ammonium, nitrate and nitrite over 11 months preceding the biological sampling	Mean emission of total nitrogen in tons per year and square km of catchment
<i>Dissolved oxygen</i>	Mean concentration over 11 months preceding the biological sampling	-
<i>Organic matters</i>	Mean concentration over 11 months preceding the biological sampling	-
<i>Toxic contaminants</i>	-	Multi-substance Potentially Affected Fraction of species (msPAF; De Zwart & Posthuma, 2005) in functional elementary catchment (FEC; Globevnik et al., 2017) containing the sampling sites
<i>Sources</i>	RCS French sampling survey database	Nutrient inputs to the MONERIS model from the IGB Berlin msPAF from Lemm et al. (in revision)
<b>Hydromorphology</b>		
	Straightness of the sampling site's segment	Longitudinal development assessment
	Crossing rate as the number of bridges per km upstream	Longitudinal profile assessment
	Threshold rate as the number of dams and weirs per km upstream	Benthic structure assessment
	Pumping intensity as the number of pumping station on the watershed	Cross-sectional profile assessment
	-	Bank structure assessment
	-	Adjacent area assessment
<i>Sources</i>	French BD Topo	Hydromorphological mappings collected by the federal states