Data	France	Germany
Biological samplings		
Multimetric index	12M2	Faunaindex and associated multimetric indices
Community metrics	EPT abundance and diversity	ETP share and species abundance
	,	Along with many other metrics on zonation, feeding and habitat
Sources	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
River characteristics		
THE CHARGE THE	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
	eatenment at oa apon oant mont and oantpung point	Altitude and geographic coordinates of sites
Riparian buffer		Authorage and Beoglaphia cool amates of sites
Locally	Shares of the buffer area 250 m upstream and downstream the	Shares of the buffer area 500 m upstream the sampling site and 10
Loodiny	sampling site and 30 m wide to either side for woody, urban,	or 30 m wide to either side according to river type for urban,
	wetland, grassland and cropland landuse	woody, grassland and agricultural landuse
Upstream	Shares of the buffer area 5 km upstream the sampling site and	Shares of the buffer area 3500 m upstream the sampling site and
Ορειτεαιτί	30 m wide to either side for woody landuse	10 or 30 m wide to either side according to river type for urban,
	30 III wide to either side for woody landuse	woody, grassland and agricultural landuse
Sources	Syrah ce database for woody riparian vegetation and CORINE	ATKIS landcover data supplemented by woody features derived
Sources	landcover data for other landuse forms	from aerial photography provided by the Federal Agency for
	landcover data for other landuse forms	Cartography and Geodesy (BKG)
Adjacent landuse		Cartography and Geodesy (BNG)
Locally		Shares of the area of a circular buffer of 500 m diameter around
Locuity	-	the sampling site for urban, woody, grassland and agricultural
		landuse
Contabassant		
Catchment	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
Caumaaa	CORINE landcover data	
Sources	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)
Dharing the maintain		Agency for Cartography and Geodesy (BKG)
Physico-chemistry Phosphorus	Mean concentration over 11 months proceeding the higherical	Mean emission of total phosphorous in tons per year and square
Priospriorus	Mean concentration over 11 months preceding the biological sampling	Mean emission of total phosphorous in tons per year and square km of catchment
Nitrogram		
Nitrogen	Mean concentration of ammonium, nitrate and nitrite over 11	Mean emission of total nitrogen in tons per year and square km of
D: 1 1	months preceding the biological sampling	catchment
Dissolved oxygen	Mean concentration over 11 months preceding the biological	-
0 ' "	sampling	
Organic matters	Mean concentration over 11 months preceding the biological	
Tavia aantaminanta	sampling	Multi substance Detentially Affected Freetien of emosics (mapper)
Toxic contaminants	-	Multi-substance Potentially Affected Fraction of species (msPAF;
		De Zwart & Posthuma, 2005) in functional elementary catchment
C	DCC 5	(FEC; Globevnik et al., 2017) containing the sampling sites
Sources	RCS French sampling survey database	Nutrient inputs to the MONERIS model from the IGB Berlin
		msPAF from Lemm et al. (in revision)
Hydromorphology	Chroimhtmann of the annualityit-/	Langitudinal dayalannasit
	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	Benthic structure assessment
	upstream	
	Pumping intensity as the number of pumping station on the	Cross-sectional profile assessment
	watershed	
	-	Bank structure assessment
		Adjacent area assessment
Sources	French BD Topo	Hydromophological mappings collected by the federal states