



Metadata

Agricultural Streams in Finland and France

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General information

name of the dataset:

full name of the dataset: *Agricultural Streams in Finland and France*

dataset short name: *AgriFinFra*

type of dataset ([more information](#)): *species (taxonomic group) per site database including environmental information*

data type: *point data/observation data*

short description of the dataset/summary:

Species and physicochemical data from 29 streams in Brittany, France and South Finland sampled twice in the period of pesticide application.

science keywords according to [GCMD](#):

topic: *Agriculture*

ISO topic category according to [ISO 19115](#):

Biota, Environment, Inland Waters

Technical and administrative specifications

data format: *Excel*
operating system: *Apple Mac*
data language: *English*
current access level: *internal*
currently available through [GBIF](#): *no*
exchange planned: *no*
update level: *completed*
documentation:
type: *scientific paper*
language: *English*
Do you plan to publish the data on the Freshwater Biodiversity data portal:
no
media for data delivery: *e-mail*
others/details: *senator@ecotoxicology.de*
contact details:

metadata contact person:
first, last name: *Ralf SchÄfÄrfer*
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Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *Ralf Schäfer*
contact email: *schaefer-ralf@uni-landau.de*

data contributors to/owners of this dataset:

single

criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

other/additional criteria:

Data provider must be offered co-authorship for publications using this dataset. Data must be publicly acknowledged and cited correctly.

citation of this dataset:

author(s): *Schäfer, R. B.; Caquet, T.; Siimes, K.; Mueller, R.; Lagadic, L.; Liess, M.*
title: *Effects of pesticides on community structure and ecosystem functions in agricultural streams of three biogeographical regions in Europe. Science of the Total Environment 2007, 382, (2-3), 272-285.*
year: *2007*

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *regional*
continents: *Europe*
countries: *Europe: Finland, France*

Site specifications

coordinate system/grid data:	<i>latitude/longitude, format: DM</i>
datum (e.g. WGS84):	<i>WGS84</i>
grid data available:	<i>no</i>
site coding available:	<i>yes</i>
	<i>numerical</i>
example:	<i>1</i>
number of sites:	<i><100</i>
exact number of sites:	<i>29</i>

Climate and environmental data

climate related data:

environmental data:

available parameters per site: *catchment land use upstream of sampling site*
 available parameters per site: *catchment land use along a buffer strip (100m width on both sides) upstream (10km) of the sampling site*
 available parameters per site: *altitude*
 available parameters per site: *current velocity*
 available parameters per site: *maximum depth*
 available parameters per site: *mean depth*
 available parameters per site: *wetted width*
 available parameters per site: *substrate composition*
 available parameters per site: *information on instream habitat (incl. information on modification)*
physico-chemistry data: *total P, nitrate, nitrite, ammonium, hardness, oxygen content, water temperature, pH, conductivity, colour*

availability of physico-chemical data, if there is more than one sample per site:
per sample

stressors influencing the sites:

reference sites available: *yes*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication			yes	
toxic stress			yes	

Biological data

biological data origin: *from sampling*
specify project:

organism group addressed: *macro-invertebrates (Mollusca, Crayfish, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae)*

Sample specifications/sample resolution

macro-invertebrates:

sample information:

covered timeframe:

year from - to: *2005 - 2005*

historical data: *no*

palaeo data: *no*

season: *spring, summer*

temporal resolution/frequency of sampling:

two samplings with 7 weeks temporal difference

time series data: *no*

taxonomic resolution: *order, family, genus, species*

percentage of species level data: *20*

taxonomic coding:

sample specifications: *quantitative (abundance data)*

replicate samples: *yes*

number of samples: *4*

specification of method(s) used for sampling and sorting:

Surber sampling

sample type (e.g. habitat specific samples, composite samples etc.):

Habitat specific samples

Other specifications

availability of photos: yes

availability of maps: yes

quality control procedures:

comments: *Some photos and maps available - but maps not in digital format*