



Metadata

Northern GIG Rivers Macroinvertebrates acidification data (WFD Intercalibration)

SUPPORTED BY



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Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *Northern GIG Rivers Macroinvertebrates acidification data (WFD Intercalibration)*

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:

Collated for the purposes of intercalibrating the outputs of the Northern GIG WFD rivers macroinvertebrate tools. This dataset is specific to the intercalibration of the tools assessing river acidification. Includes data from a large number of rivers from across the GIG region, provided by participating countries. The dataset includes raw invertebrate data and physico-chem data in addition to some typological information. Note that not all the data from this dataset will be made available to BioFresh science work packages or the data portal.

science keywords according to [GCMD](#):

topic: *Biological Classification*

keywords: *river macroinvertebrates, benthic fauna, acidification, Water Framework Directive, Intercalibration dataset*

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

Biota, Inland Waters

Technical and administrative specifications

data format: *Excel*
operating system: *all Windows systems*
data language: *English*
current access level: *restricted access*
 web address (URL): *no web address*
 others/details: *Access for NGIG members only*
update level: *completed*

documentation:

Do you plan to publish the data on the Freshwater Biodiversity data portal:

 media for data delivery: *e-mail*

contact details:

metadata contact person:

 first, last name: *Sian Davies*
 email: *siandavies2010@yahoo.co.uk*

technical contact person:

 first, last name: *Dave Colvill*
 email: *David.Colvill@sepa.org.uk*

scientific contact person:

comments:

Contact details are provided for the person responsible for completion of the metadata and the GIG lead. The dataset contains data from a number of organisations/institutions, therefore it is not appropriate to provide the name and address of any one institution in the fields above.

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *Members of NGIG*

data contributors to/owners of this dataset:

multiple

number: *4*

provider 1:

provider institute: *Environment Agency/Scottish Environment Protection Agency*

contact name: *Rachel Benstead/Dave Colvill*

contact email: *rachel.benstead@environment-agency.gov.uk david.colvill@sepa.org.uk*

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

Other/Additional criteria

other/additional criteria: *Data from the UK are provided by the Environment Agency and the Scottish Environment Protection Agency. There are no data from Northern Ireland in this dataset.*

comments: *The dataset contains results from 277 samples collected from 273 sites in 144 rivers.*

provider 2:

provider institute: *Irish Environment Protection Agency*

contact name: *Ruth Little*

contact email: *r.little@epa.ie*

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

Other/Additional criteria

other/additional criteria: *Data provider must be contacted to confirm availability of data and any restrictions on its use.*

comments: *The dataset contains results from 2 samples from different rivers.*

provider 3:

provider institute: *Swedish University of Agricultural Sciences*

contact name: *Leonard Sandin*

contact email: *leonard.sandin@slu.se*

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

Other/Additional criteria

other/additional criteria: *Data provider must be contacted to confirm availability of data and any restrictions on its use.*

comments: *The dataset contains results from 167 samples collected from sites in 33 rivers.*

provider 4:

provider institute: *Norwegian Institute for Nature Research*

contact name: *Ann Kristin Schartau*

contact email: *ann.k.schartau@nina.no*

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

Other/Additional criteria

other/additional criteria: *Data provider must be contacted to confirm availability of data and any restrictions on its use.*

comments: *Biological data from Norway are provided by Norwegian Institute for Nature Research (NINA), Norwegian Institute for Water Research and Uni Research (University of Bergen). Chemical data are provided by NINA and Norwegian Institute for Water Research.*

The dataset contains results from 895 samples collected from 489 sites in

186 rivers.

citation of this dataset:

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *continental*
continents: *Europe*
countries: *Europe: Ireland, Norway, Sweden, United Kingdom*

Site specifications

coordinate system/grid data:

comments: *Lake names are the only way to locate them*

other site classification parameters:

site coding available: *humic or clear*

site coding available: *yes*

site coding available: *alphanumerical*

example: *varies widely between countries*

number of sites:

number of sites: *100 - 1000*

exact number of sites: *797*

Climate and environmental data

climate related data: *no data available*

environmental data: *no parameter data per catchment available*

no parameter data per site available

physico-chemistry data: *labile aluminium, calcium, alkalinity, TOC (total organic carbon), pH, colour*

other physico-chemical parameters: Acid neutralising capacity, calculated by two separate methods, DOC

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

per sample

comments: *A series of physico-chemical data for each site. Amount of data per site varies.*

stressors influencing the sites: *no stressor data available*

comments: *Information provided on main pressure to the lakes and whether or not they have been limed. No more detailed information is provided.*

Biological data

biological data origin:

from sampling

specify project:

General sampling programmes plus some specifically collected data

organism group addressed:

macro-invertebrates (Mollusca, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae)

Sample specifications/sample resolution

macro-invertebrates:

sample information:

covered timeframe:

year from - to: 1975 - 2008

historical data: no

palaeo data: no

season: spring, summer, autumn, winter

temporal resolution/frequency of sampling:

per year

time series data: no

taxonomic resolution: order, genus, species

percentage of species level data: 50

comments: *Species level data is probably > 50%*

taxonomic coding:

taxalist according to: AQEM

sample specifications: *quantitative (abundance data)*

number of samples: 1341

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

Information not provided

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

Information not provided

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

Information not provided

Other specifications

availability of photos: *no*
availability of maps: *no*
quality control procedures: