



Metadata

European Diatom Database



Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>
Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *European Diatom Database*

dataset short name: *EDDI*

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

short description of the dataset/summary:

The European Diatom Database (EDDI) is a web-based information system designed to enhance the application of diatom analysis to problems of surface water acidification, eutrophication and climate change.

science keywords according to [GCMD](#):

topic: *Biological Classification*

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

Inland Waters

Technical and administrative specifications

data format: *others/specify*
others/details: *web based*
operating system: *others/specify*
others/details: *web based*
data language: *English*
current access level: *web (public)*
web address (URL): *http://craticula.ncl.ac.uk/Eddi/jsp/index.jsp*
update level: *completed*
documentation:
type: *manual*
language: *English*

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

media for data delivery: *online internet (HTTP)*
web address: *http://craticula.ncl.ac.uk/Eddi/jsp/index.jsp*

contact details:

metadata contact person:
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Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *There is joint ownership of all EDDI participants although the website has unrestricted access*

data contributors to/owners of this dataset:

single

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

The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.

citation of this dataset:

author(s): *Battarbee, R.W., Juggins, S., Gasse, F., Anderson, N.J., Bennion, H., Cameron, N.G., Ryves, D.B., Pailles, C., Chalif, F. & Telford, R.*

title: *European Diatom Database (EDDI). An Information System for Palaeoenvironmental Reconstruction. ECRC Research Report No. 81: 94 pp.*

year: *2001*

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *global*

continents: *Africa, Europe*

countries: *Africa: Algeria, Djibouti, Ethiopia, Kenya, Malawi, Morocco, Niger, Rwanda, Tanzania, Tunisia, Uganda*

Europe: Austria, Denmark, Finland, France, Germany, Italy, Norway, Poland, Portugal, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

comments: *Russia (Caspian Sea, Kola Peninsula)*

Site specifications

coordinate system/grid data:

datum (e.g. WGS84): WGS84

site coding:

site coding available: yes

number of digits: 8

example: SWED0401

number of sites:

>1000

exact number of sites: 1349

comments:

Data are not available on mean depth, surface area or geology.

Altitude data are not available for the African lakes and Spanish saline lakes.

Climate and environmental data

climate related data: *no data available*

environmental data:

available parameters per site: *maximum depth*
Field measurements

available parameters per site: *mean depth*
Field measurements

physico-chemistry data: *total P, ortho P, nitrate, nitrite, total N, ammonium, calcium, alkalinity, pH, conductivity, chlorophyll, colour, Secchi disc depth*

comments: *Physico-chemical data were gathered for each individual dataset that contributed to the EDDI database and therefore data have not been collected in a standard format for a fixed set of variables.*

stressors influencing the sites:

reference sites available: *no*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	no	no		347
acidification	no	no		627
organic pollution				
toxic stress				

comments: *The EDDI database was not designed for WFD purposes so information on restoration and degradation are not available. The number of sites per stressor for eutrophication and acidification are guesstimates. EDDI is an amalgamation of datasets from different countries so no standard protocol for environmental data was followed.*

Biological data

biological data origin:

specify project:

from sampling

There are many different projects

organism group addressed:

comments:

phytobenthos, (benthic) diatoms

*It is planned to include other organisms (including macroinvertebrates)
zooplankton, macrophytes) on the database in future*

Sample specifications/sample resolution

phytobenthos:

sample information:

covered timeframe:

year from - to: 1960 - 1998

historical data: yes

season: *spring, summer, autumn*

time series data: yes

taxonomic resolution: *species*

percentage of species level data: 100

taxonomic coding:

coding system: *DIATCODE*

example: *ACH0012A*

sample specifications: *quantitative (abundance data)*

number of samples: 9328

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

Sediment core

Sediment trap

Artificial substrate (unspecified)

Live sample from plant (epiphyton)

Live sample from rock (epilithon)

Live sample from mud

Live sample from sand (episammon)

Subaerial surface

Live sample from water

Surface sediment grab

Artificial substrate (rope)

Artificial substrate (tile)

Soil core

Peat core

Water sample (non-biological)

Archaeological

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

littoral, profundal, sub-fossil (sediment)

other important sample related informations:

surface sediment samples represent the last few years

(benthic) diatoms:

sample information:

covered timeframe:

year from - to: 1960 - 1998

palaeo data: yes

season: *spring, summer, autumn, winter*

temporal resolution/frequency of sampling:

Data are mainly sediment core core sub-samples or surface sediment samples. Contemporary samples are not usually sampled at any specific temporal resolution

time series data: yes

taxonomic resolution: *species*

percentage of species level data: 100

taxonomic coding:

coding system: *DIATCODE*

example: *ACH0012A*

sample specifications: *quantitative (abundance data)*

number of samples: *9328*

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

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Other specifications

GIS layers, shapes related to the dataset:

no data available

availability of photos:

no

availability of maps:

no

quality control procedures:

Were any quality control procedures applied to your dataset?

yes

quality control protocols and comments:

mandatory fields in the database

rules for coding the diatoms