



Metadata

Database on Biological and Ecological Traits on the Flora of Germany

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General information

name of the dataset:

full name of the dataset: *Database on Biological and Ecological Traits on the Flora of Germany*

dataset short name: *BIOLFLO*

type of dataset ([more information](#)): *biological or ecological traits/information database*

data type: *descriptive data*

short description of the dataset/summary:

Database covering 3660 species with > 60 traits for Germany/Central Europe

science keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification*

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

Biota

Technical and administrative specifications

data format:	<i>Oracle</i>
operating system:	<i>all operating systems</i>
data language:	<i>English</i>
specify:	<i>and German</i>
current access level:	<i>web (public)</i>
web address (URL):	<i>http://www.ufz.de/biolflor</i>
update level:	<i>completed, update planned</i>
documentation:	
type:	<i>manual, scientific paper</i>
language:	<i>English</i>
Do you plan to publish the data on the Freshwater Biodiversity data portal:	
media for data delivery:	<i>others/specify</i>
others/details:	<i>not intended</i>
contact details:	
metadata contact person:	
first, last name:	<i>Ingolf Kühn</i>
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institution:	<i>UFZ</i>
province, state:	<i>Germany</i>
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scientific contact person:	
first, last name:	<i>Ingolf Kühn</i>

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: UFZ
contact email: ingolf.kuehn@ufz.de

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.

other/additional criteria:

*Data has to be downloaded from the site www.ufz.de/biolflor
Information on data contributors and authors can also be viewed at site www.ufz.de/biolflor*

citation of this dataset:

author(s): Klotz, S., Kühn, I. & Durka, W. [Hrsg.]
title: *BIOLFLORE - Eine Datenbank zu biologisch-ökologischen Merkmalen der Gefäßpflanzen in Deutschland. - Schriftenreihe für Vegetationskunde 38. Bonn: Bundesamt für Naturschutz.*

AND

Kühn, I., Durka, W. and Klotz, S. 2004. BioFlor ? a new plant-trait database as a tool for plant invasion ecology. Diversity & Distributions, 10(5/6): 363-365. PDF

year: 2002

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *national*

continents: *Europe*

available distribution data:

comments: *no distribution data available; database contains taxonomic information and traits*

Biological data

biological data origin: *from sampling*
specify project: *Measurements and field observations*
general compilation
specify method: *Data collation from literature*
organism group addressed: *angiosperms*

Species related information

angiosperms:

taxonomic resolution: *species*

taxonomic coding:

taxalist according to: *Kühn, I. & Klotz, S. (2002)*

full reference: *Kühn, I. & Klotz, S. (2002): Systematik, Taxonomie und Nomenklatur. - In: Klotz, S., Kühn, I. & Durka, W. [Hrsg.]: BIOLFLOR - Eine Datenbank zu biologisch-ökologischen Merkmalen der Gefäßpflanzen in Deutschland. - Schriftenreihe für Vegetationskunde 38. Bonn: Bundesamt für Naturschutz. S. 41-46.*

availability of specific ecological/biological information:

origin (native/introduced), endemic species, biogeographical data, altitudinal preferences, habitat preferences, life history characteristics

others:

Floristic status

Evolutionary origin

Region of origin

Endemism

Mode of introduction

Time and region of first naturalization

Degree of naturalization

Chromosome number

DNA content

Phylogeny code

Life form

Life span

Vegetative propagation

Storage organs

Shoot metamorphoses

Root metamorphoses

Rosettes

Climbing

Nutritional adaptations

Leaf persistence

Leaf anatomy

Leaf form

Flowering phenology

Symphenological Groups

Type of reproduction

Type of seed production

Type of apomixis

Dicliny

Dichogamy

Heterostyly

Self-sterility and self-incompatibility

SI mechanism

Pollen vector

Breeding system

P/O ratio

Floral rewards

Flower color

UV reflection of the flower
Flower class after MUELLER
Flower type after KUGLER
Fruit type
Diaspore type
Germinule type
Weights
Sizes
Strategy type
Grassland utilization indicator values
Floristic zone and altitudinal level
Number of inhabited floristic zones
Oceanity
Floristic region
Hemeroby
Number of hemerobic levels
Urbanity
Habitat
Class

Other specifications

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:

data were integrated from several sources, most of them had quality control procedures, the final database has been controlled via several queries to check inconsistencies