



Metadata

Towards a sustainable management of pond diversity at the landscape level

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: *Towards a sustainable management of pond diversity at the landscape level*

dataset short name: *Pondscape*

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:

The database of the PONDSCAPE project (Towards a sustainable management of pond diversity at the landscape level) comprises taxon occurrence data of eight different organism groups (bacteria, phytoplankton, diatoms, cladoceran, macro-invertebrates, macrophytes, amphibians and fish) and data on physical, chemical and morphometric variables of 125 farmland ponds covering five biogeographic regions in Belgium and Luxembourg.

keywords according to [GCMD](#):

topic: *Agriculture, Biosphere, Biological Classification, Land Surface, Terrestrial Hydrosphere*

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

Farming, Biota, Environment, Inland Waters

INSPIRE keywords according to [GEMET](#):

Bio-geographical regions

own science keywords: *farmland ponds, occurrences, environmental conditions, Belgium, Luxembourg*

related project: *PONDSCAPE*

funding: *Belspo research project SD/BD/02A*

Technical and administrative specifications

data format: *Excel*
operating system: *all Windows systems*
data language: *English*
current access level: *internal*

currently available through [GBIF](#): *yes*

exchange planned: *yes*

data in data repository: *no*

Do you plan to publish the data on the Freshwater Biodiversity Data Portal:

yes

update level: *completed*

documentation:

type: *scientific paper*

language: *English*

contact details:

metadata contact person:

first, last name: *Koen Martens*

phone: *+32 (0)2 627 43 15*

email: *koen.martens@naturalsciences.be*

institution: *Royal Belgian Institute of Natural Sciences*

address: *Vautierstraat 29*

postal code, city: *1000 Brussels*

country: *Belgium*

technical contact person:

first, last name: *Koen Martens*

phone: *+32 (0)2 627 43 15*

email: *koen.martens@naturalsciences.be*

scientific contact person:

first, last name: *Koen Martens*

phone: *+32 (0)2 627 43 15*

email: *koen.martens@naturalsciences.be*

Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name: *Pieter Lemmens*
contact email: *pieter.lemmens@kuleuven.be*
contact institution: *KU Leuven*

data contributors to/owners of this dataset:

number: *multiple*
9

provider 1:

provider institute: *RBINS*
contact name: *Koen Martens*
contact email: *koen.martens@naturalsciences.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 2:

provider institute: *UGent*
contact name: *Wim Vijverman*
contact email: *wim.vyverman@ugent.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 3:

provider institute: *UNamur*
contact name: *Patrick Kestemont*
contact email: *patrick.kestemont@unamur.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 4:

provider institute: *National Botanical Garden*
contact name: *Leo Vanecke*
contact email: *leo.vanhecke@skynet.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 5:

provider institute: *Institute for Nature and Forests*
contact name: *Luc Denys*
contact email: *luc.denys@inbo.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 6:

provider institute: *Natuurpunt*
contact name: *Marc Herremans*
contact email: *marc.herremans@natuurpunt.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 7:

provider institute: *KU Leuven*
contact name: *Luc De Meester*
contact email: *luc.demeester@kuleuven.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 8:

provider institute: *CRP*
contact name: *Henry-Michel Cauchie*
contact email: *henry-michel.cauchie@list.lu*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 9:

provider institute: *ULiege*
contact name: *Bertrand Losson*
contact email: *blosson@ulg.ac.be*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

citation of this dataset:

author(s): *Lemmens, P., Bonjean, N., Castiaux, A., Colson, L., De Bie, T., Decoster, E., Denis, C., De Roeck, E., Ercken, D., Goddeeris, B., Goyvaerts, R., Mandiki, S.N.M., Morelle, K., Praca, E., Schön, I., Van Wichelen, J., Van Der Gucht, K., Vandekerckhoven, J., Vanormelingen, P., Villena Alvarez, M., Bauwens, D., Denys, L., Herremans, M., Vanhecke, L., Losson, B., Caron, Y., Cauchie, H.-M., Kestemont, P., Vyverman, W., De Meester, L., Declerck, S.A.J. & Martens, K.*

title and journal (name, number, pages):

Towards a sustainable management of pond diversity at the landscape

level (PONDSCAPE)
year: 2018
doi (if applicable): <https://doi.org/10.15468/zs6sky>
citation of the metadata:
author(s): *Lemmens P., De Wever A., Bonjean N., Castiaux A., Colson L., De Bie T., Decoster E., Denis C., De Roeck E., Ercken D., Goddeeris B., Goyvaerts R., Mandiki S.N.M., Morelle K., Praca E., Schön I., Van Wichelen J., van der Gucht K., Vandekerckhoven J., Vanormelingen P., Villena Alvarez M., Bauwens D., Denys L., Herremans M., Vanhecke L., Losson B., Caron Y., Cauchie H.-M., Kestemont P., Vyverman W., De Meester L., Declerck S.A.J. & Martens K.*
title and journal (name, number, pages): *Database of the PONDSCAPE project (Towards a sustainable management of pond diversity at the landscape level). Freshwater Metadata Journal 31: 1-10*
year: 2018
doi (if applicable): <https://doi.org/10.15504/fmj.2018.31>

General data specifications

regional coverage of the dataset:

spatial extent of the dataset: *national*
continents: *Europe*

spatial extent (bounding coordinates):

southernmost latitude [°]: *49.4313*
northernmost latitude [°]: *51.5679*
westernmost longitude [°]: *2.3642*
easternmost longitude [°]: *6.5611*
countries: *Europe: Belgium, Luxembourg*

Site specifications

coordinate system/grid data:

datum (e.g. WGS84): *WGS84*

grid data available: *no*

site coding:

site coding available: *yes*

alphanumerical

number of digits: *5*

example: *ABER3*

number of sites:

100 - 1000

exact number of sites: *125*

Climate and environmental data

climate related data: *no climate data available*

environmental data:

available parameters per site: *maximum depth*

as sampled:

physico-chemical data: *Array, Array, Array, Array, Array, Array, Array, Array, Array, Array, Array, Array, Array, Array, Array*

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

mean values per site

stressors influencing the sites: *no stressor data available*

Biological data

biological data origin:

specify project:

from sampling,

specify method:

PONDSCAPE

organism group addressed:

*amphibians, fish, macro-invertebrates, zooplankton, phytoplankton,
(benthic) diatoms, macrophytes, other group(s): bacterioplankton*

Sample specifications/sample resolution

amphibians:

sample information:

covered timeframe:
year from - to: 2008 - 2008
historical data: no
season: summer
temporal resolution/frequency of sampling:
per year
time series data: no

taxonomic resolution:

percentage of species level data: 100

taxonomic coding:

taxalist according to: see De Bie et al. (2012)
citation: De Bie, T., De Meester, L., Brendonck, L., Martens, K., Goddeeris, B., Ercken, D., Hampel, H., Denys, L., Vanhecke, L., Van der Gucht, K., Van Wichelen, J., Vyverman, W., Declerck, S.A. (2012). Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. *Ecology Letters* 15(7): 740-747.

sample specifications:

replicate samples: no

fish:

sample information:

covered timeframe:
year from - to: 2008 - 2008
historical data: no
palaeo data: no
season: summer
temporal resolution/frequency of sampling:
per year
time series data: no

taxonomic resolution:

percentage of species level data: 100

taxonomic coding:

taxalist according to: see De Bie et al. (2012)
citation: De Bie, T., De Meester, L., Brendonck, L., Martens, K., Goddeeris, B., Ercken, D., Hampel, H., Denys, L., Vanhecke, L., Van der Gucht, K., Van Wichelen, J., Vyverman, W., Declerck, S.A. (2012). Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. *Ecology Letters* 15(7): 740-747.

sample specifications:

replicate samples: no

macro-invertebrates:

sample information:

covered timeframe:
year from - to: 2008 - 2008
historical data: no
palaeo data: no

season: *summer*

temporal resolution/frequency of sampling: *per year*

time series data: *no*

taxonomic resolution:

percentage of species level data: *70*

taxonomic coding:

taxalist according to: *see De Bie et al. (2012)*

citation: *De Bie, T., De Meester, L., Brendonck, L., Martens, K., Goddeeris, B., Ercken, D., Hampel, H., Denys, L., Vanhecke, L., Van der Gucht, K., Van Wichelen, J., Vyverman, W., Declerck, S.A. (2012). Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. Ecology Letters 15(7): 740-747.*

sample specifications:

replicate samples: *no*

zooplankton:

sample information:

covered timeframe:

year from - to: *2008 - 2008*

historical data: *no*

palaeo data: *no*

season: *summer*

temporal resolution/frequency of sampling: *per year*

time series data: *no*

taxonomic resolution:

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *see De Bie et al. (2012)*

citation: *De Bie, T., De Meester, L., Brendonck, L., Martens, K., Goddeeris, B., Ercken, D., Hampel, H., Denys, L., Vanhecke, L., Van der Gucht, K., Van Wichelen, J., Vyverman, W., Declerck, S.A. (2012). Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. Ecology Letters 15(7): 740-747.*

sample specifications:

replicate samples: *no*

phytoplankton:

sample information:

covered timeframe:

year from - to: *2008 - 2008*

historical data: *no*

season: *summer*

temporal resolution/frequency of sampling: *per year*

time series data: *no*

taxonomic resolution:

taxonomic coding:

taxalist according to: *see De Bie et al. (2012)*

citation: *De Bie, T., De Meester, L., Brendonck, L., Martens, K., Goddeeris, B.,*

Ercken, D., Hampel, H., Denys, L., Vanhecke, L., Van der Gucht, K., Van Wichelen, J., Vyverman, W., Declerck, S.A. (2012). Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. Ecology Letters 15(7): 740-747.

sample specifications:

replicate samples: *no*

(benthic) diatoms:

sample information:

covered timeframe:
 year from - to: *2008 - 2008*
 historical data: *no*
 palaeo data: *no*
 season: *summer*
 temporal resolution/frequency of sampling:
per year
 time series data: *no*

taxonomic resolution:

percentage of species level data: *10*

taxonomic coding:

taxalist according to: *see De Bie et al. (2012)*
 citation: *De Bie, T., De Meester, L., Brendonck, L., Martens, K., Goddeeris, B., Ercken, D., Hampel, H., Denys, L., Vanhecke, L., Van der Gucht, K., Van Wichelen, J., Vyverman, W., Declerck, S.A. (2012). Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. Ecology Letters 15(7): 740-747.*

sample specifications:

replicate samples: *no*

macrophytes:

sample information:

covered timeframe:
 year from - to: *2008 - 2008*
 historical data: *no*
 palaeo data: *no*
 season: *summer*
 temporal resolution/frequency of sampling:
per year
 time series data: *no*

taxonomic resolution:

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *see De Bie et al. 2012*
 citation: *De Bie, T., De Meester, L., Brendonck, L., Martens, K., Goddeeris, B., Ercken, D., Hampel, H., Denys, L., Vanhecke, L., Van der Gucht, K., Van Wichelen, J., Vyverman, W., Declerck, S.A. (2012). Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. Ecology Letters 15(7): 740-747.*

sample specifications:

replicate samples: *no*

other group(s):

sample information:

covered timeframe:

year from - to: *2008 - 2008*

historical data: *no*

season: *summer*

temporal resolution/frequency of sampling:

per year

time series data: *no*

taxonomic resolution:

other taxonomic levels: *DGGE bands*

taxonomic coding:

taxalist according to: *not relevant (DGGE bands)*

sample specifications:

replicate samples: *no*

Other specifications

GIS layers, shape files 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:

Species names were checked using the GBIF species list.