



Metadata

Visfauna - Juvenile and adult fishes in riparian habitats along the river Yser

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General information

name of the dataset:

full name of the dataset: *Visfauna - Juvenile and adult fishes in riparian habitats along the river Yser*

type of dataset ([more information](#)): *species distribution data*

short description of the dataset/summary:

Visfauna - Juvenile and adult fishes in riparian habitats along the river Yser in Flanders, Belgium is a species occurrence dataset published by the Research Institute for Nature and Forest (INBO). The dataset contains over 5,800 fish occurrences sampled in 2008 in riparian habitats along the river Yser. The dataset includes 22 fish species. The data are collected to evaluate the role of restored riparian habitats for the spawning and nursery of juvenile fish and are discussed in Mouton et al. 2011. The dataset also includes the length of the caught fishes. Issues with the dataset can be reported at

<https://github.com/LifeWatchINBO/data-publication/tree/master/datasets/visfauna-ijzer-occurrences>

Purpose:

For many years, navigable lowland rivers have been embanked artificially or suffered from substantial shipping wave action, leading to habitat degradation. Recently, riparian habitats were restored by creating foreshores and spawning grounds in the river Yser, a lowland river in Flanders, Belgium. The aim of the research was to evaluate the role of these restored habitats for spawning and nursery of juvenile fish. To cover a wide range of anthropogenic disruption, four riparian mesohabitat types were selected and compared, ranging from semi-natural, over artificial spawning grounds and foreshores, to artificial embankments. Juvenile fish were subjected to sampling by using electrofishing between June and September 2009 at different microhabitats located in five sites of each riparian mesohabitat type. The study (Mouton et al. 2011) found that juvenile fish strongly preferred natural riparian habitats, whereas artificial embankments showed the lowest species richness, abundance and functional organization of juvenile fish species. Restored riparian habitats appeared to be an appropriate alternative for artificial embankments in navigable lowland rivers, but still score significantly less than natural habitats. Juvenile fish avoided bare microhabitats, but did not prefer any other microhabitat type (reed, woody or grassy vegetation), emphasizing the importance of microhabitat diversity.

keywords according to GCMD:

ISO topic category according to ISO 19115:

INSPIRE keywords according to GEMET:

own science keywords:

Occurrence (Thesaurus: GBIF Dataset Type Vocabulary: http://rs.gbif.org/vocabulary/gbif/dataset_type.xml), Observation

*(Thesaurus: GBIF Dataset Subtype Vocabulary:
http://rs.gbif.org/vocabulary/gbif/dataset_subtype.xml), juvenile fish, riparian
habitat, river bank, spawning ground, foreshore, water management*

Technical and administrative specifications

data language: *English*

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

documentation:

contact details:

metadata contact person:

first, last name: *Ans Mouton*

email: *ans.mouton@inbo.be*

institution: *Research Institute for Nature and Forest (INBO)*

address: *Kliniekstraat 25*

postal code, city: *1070 Brussels*

country: *BE*

technical contact person:

scientific contact person:

first, last name: *Ans Mouton*

email: *ans.mouton@inbo.be*

Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

data contributors to/owners of this dataset:

number: *multiple*
3

provider 1:

provider institute: *Research Institute for Nature and Forest (INBO)*

contact name: *Ans Mouton*

contact email: *ans.mouton@inbo.be*

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

Other/Additional criteria

other/additional criteria: *To the extent possible under law, the publisher has waived all rights to these data and has dedicated them to the <ulink url="http://creativecommons.org/publicdomain/zero/1.0/legalcode"><citetitle>Public Domain (CC0 1.0)</citetitle></ulink>. Users may copy, modify, distribute and use the work, including for commercial purposes, without restriction.*

provider 2:

provider institute: *Research Institute for Nature and Forest (INBO)*

contact name: *Dimitri Brosens*

contact email: *dimitri.brosens@inbo.be*

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

Other/Additional criteria

other/additional criteria: *To the extent possible under law, the publisher has waived all rights to these data and has dedicated them to the <ulink url="http://creativecommons.org/publicdomain/zero/1.0/legalcode"><citetitle>Public Domain (CC0 1.0)</citetitle></ulink>. Users may copy, modify, distribute and use the work, including for commercial purposes, without restriction.*

provider 3:

provider institute: *Research Institute for Nature and Forest (INBO)*

contact name: *Peter Desmet*

contact email: *peter.desmet@inbo.be*

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

Other/Additional criteria

other/additional criteria: *To the extent possible under law, the publisher has waived all rights to these data and has dedicated them to the <ulink url="http://creativecommons.org/publicdomain/zero/1.0/legalcode"><citetitle>Public Domain (CC0 1.0)</citetitle></ulink>. Users may copy, modify, distribute and use the work, including for commercial purposes, without restriction.*

citation of this dataset:

title and journal (name, number, pages):

Mouton A, Brosens D, Desmet P (2012): Visfauna - Juvenile and adult fishes in riparian habitats along the river Yser in Flanders, Belgium. v9.4. Research Institute for Nature and Forest (INBO). Dataset/Occurrence. <http://doi.org/10.15468/keplkx>

doi (if applicable): *<https://doi.org/http://doi.org/10.15468/keplkx>*

citation of the metadata:

General data specifications

regional coverage of the dataset:

spatial extent (bounding coordinates):

southernmost latitude [°]:	50.9
northernmost latitude [°]:	51.17
westernmost longitude [°]:	2.6
easternmost longitude [°]:	2.87

comments:

Riparian habitats along the river Yser in Flanders, Belgium. The river enters Belgium in the province of West Flanders and drains into the sea near the town of Nieuwpoort.

Site specifications

coordinate system/grid data:

Biological data

biological data origin:

specify project:

specify method:

organism group addressed:

other group(s)

comments:

All 22 species in this dataset are fishes (Actinopterygii). The top 3 recorded species are Abramis brama (29%), Rutilus rutilus (29%), and Gasterosteus aculeatus (14%).

species: Abramis brama, Alburnus alburnus, Anguilla anguilla, Barbatula barbatula, Blicca bjoerkna, Carassius gibelio, Cobitis taenia, Cyprinus carpio, Esox lucius, Gasterosteus aculeatus, Gobio gobio, Gymnocephalus cernuus, Leuciscus idus, Perca fluviatilis, Platichthys flesus, Pseudorasbora parva, Pungitius pungitius, Rhodeus amarus, Rutilus rutilus, Sander lucioperca, Scardinius erythrophthalmus, Tinca tinca

Sample resolution

other group(s):

taxonomic resolution:

taxonomic coding:

Other specifications

quality control procedures:

quality control protocols and comments:

All records are validated.