



## Metadata

# Shoreline fish distribution in Italian lakes assessed by electrofishing

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### General information

#### name of the dataset:

full name of the dataset: *Shoreline fish distribution in Italian lakes assessed by electrofishing*

full name of the dataset (original/national language):

*Distribuzione della fauna ittica lungo il litorale di 25 laghi italiani*

dataset short name:

*Shoreline fish distribution in Italian lakes*

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

data type: *point data/observation data*

short description of the dataset/summary:

*The dataset includes data on fish species distribution along the shoreline of 25 Italian lakes and reservoirs achieved by point abundance standardised electrofishing. Data were obtained between 2007 and 2014. The database offers a detailed description of the biodiversity of fish communities in the Italian regions of Piedmont, Lombardy, Trentino-Alto Adige and Sardinia including both natural lakes and reservoirs.*

short description of the dataset/summary (original/national language):

*Il dataset include le informazioni sulla distribuzione della fauna ittica nella zona litorale di 25 laghi italiani. Le informazioni raccolte sono basate su campionamenti effettuati con elettrostorditore da una barca, condotti seguendo la riva di 25 bacini italiani.*

**keywords according to** [GCMD](#):

topic: *Biosphere, Biological Classification, Climate Indicators, Terrestrial Hydrosphere*

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

*Biota, Environment, Inland Waters*

**INSPIRE keywords according to** [GEMET](#):

*Species distribution*

**own science keywords:**

*freshwater fish; Italy; lakes; non native fish species; PASE electrofishing*

**related project:**

*LIFE+ Inhabit, WISER, CENSIMENTO DELLA FAUNA ITTICA DEI LAGHI SUDALPINI*

**funding:**

*INHABIT - LIFE08 ENV/IT/000413.*

*WISER - European Union, 7th Framework Programme, Theme 6 (Environment including Climate Change) (contract No. 226273).  
CENSIMENTO DELLA FAUNA ITTICA DEI LAGHI SUDALPINI - REGIONE LOMBARDIA.*

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## Technical and administrative specifications

**data format:** *csv*  
**operating system:** *all operating systems*  
**data language:** *English*  
**current access level:** *web (public)*  
currently available through [GBIF](#): *yes*  
exchange planned: *yes*  
data in data repository: *yes*  
specify repository: [http://150.145.35.118/Datasets/Shoreline\\_fish\\_distribution.csv](http://150.145.35.118/Datasets/Shoreline_fish_distribution.csv)

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

*already published through the Freshwater Biodiversity Data Portal*

**update level:** *completed*

### documentation:

type: *manual*  
language: *English*

### contact details:

#### metadata contact person:

first, last name: *Pietro Volta*  
phone: *+39 0323 518335*  
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institution: *CNR Water Research Institute*  
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province, state: *VB*  
country: *Italy*  
web address: <http://www.irsra.cnr.it/>

#### technical contact person:

first, last name: *Silvia Galafassi*  
phone: *+39 0323 518357*  
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#### scientific contact person:

first, last name: *Pietro Volta*  
phone: *+39 0323 518335*  
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## Intellectual property rights and citation

(if the dataset is already published):

### dataset creator (data compiler):

contact name: *Pietro Volta*

contact email: *p.volta@cnr.it*

contact institution: *Water Research Institute IRSA - Consiglio Nazionale delle Ricerche*

### 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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.*

### citation of this dataset:

author(s): *Volta, P. & Galafassi, S.*

title and journal (name, number, pages):

*Database on shoreline fish distribution in italian lakes assessed by electrofishing.*

year: *2018*

doi (if applicable): <https://doi.org/10.15468/pq0enb>

### citation of the metadata:

author(s): *Galafassi, S., Sala, P. & Volta, P.*

title and journal (name, number, pages):

*Shoreline fish distribution in italian lakes assessed by electrofishing.  
Freshwater Metadata Journal 0: 0-0*

year: *0000*

doi (if applicable): <https://doi.org/10.15504/fmj.0000.0>

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## General data specifications

### regional coverage of the dataset:

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

### spatial extent (bounding coordinates):

southernmost latitude [°]: *40.553089*  
northernmost latitude [°]: *46.756744*  
westernmost longitude [°]: *7.125792*  
easternmost longitude [°]: *12.085461*  
minimum altitude: *43 metres*  
maximum altitude: *2275 metres*  
countries: *Europe: Italy*

### world climatic regions according to [Köppen](#):

*Group C: temperate/mesothermal climates*  
*Group D: continental/microthermal climate*  
*Group H: alpine climates*

### European ecoregions according to Illies ([WFD](#)):

*Italy, Corsica and Malta (ER3)*

**ecosystem type:** *lakes/ponds*

**coverage timeframe:** *2007*

year to: *2014*

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## Site specifications

<b>coordinate system/grid data:</b>	<i>latitude/longitude projected</i>
datum (e.g. WGS84):	<i>WGS84</i>
<b>number of sites:</b>	<i>&lt;100</i>
exact number of sites:	<i>25</i>

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**Biological data****biological data origin:**

specify project:

*from sampling,**INHABIT - LIFE08 ENV/IT/000413. WISER - European Union, 7th Framework Programme, Theme 6 (Environment including Climate Change) (contract No. 226273). CENSIMENTO DELLA FAUNA ITTICA DEI LAGHI SUDALPINI - REGIONE LOMBARDIA*

specify method:

comments:

organism group addressed:

*fish*

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## Sample resolution

### fish:

#### taxonomic resolution:

percentage of species level data: 100

#### taxonomic coding:

taxalist according to: *Kottelat & Freyhof*

citation: *Kottelat, M. & Freyhof, J., 2007. Handbook of European freshwater fishes. Publications Kottelat, Cornol and Freyhof, Berlin. 646 pp.*

#### sample specifications:

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

*The electrofishing device was a built-in-frame EL64GII (Scubla Acquaculture, 7,000 W, 600 V, DC current) set up with a copper cathode (width 2.5 cm, length 300 cm) and a steel ring anode (thickness 0.8 cm, diameter 50 cm). The Point Abundance Sampling Electrofishing (PASE) method (Copp & Garner, 1995; ISPRA, 2014) was used in which the anode is dipped for 20 s at each sampling point. The number of points depended on lake size and habitat complexity.*

reference(s):

*Copp, G. H. & Garner, P., 1995. Evaluating microhabitat use of fish larvae and juveniles with point abundance sampling. Folia Zoologica 44: 145-158.*  
*ISPRA, 2014. Metodi biologici per le acque superficiali interne. Manuali e linee guida 111/2014. Rome, Italy. ISBN 978-88-448-0651*

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## 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?

*no*