Metadata

Fish distribution in 28 Italian lakes based on CEN gillnets

General information

name of the dataset:

full name of the dataset: *Fish distribution in 28 Italian lakes based on CEN gillnets*

full name of the datast (original/national language): *Distribuzione della fauna ittica di acqua dolce in 28 laghi italiani*

dataset short name: *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 database comprises the distribution of freshwater fish species in 28 Italian lakes. Data were obtained between 2007 and 2014 from standardised (CEN based) samplings with benthic and mesopelagic multi-mesh gillnets. 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 in 28 laghi italiani. Le informazioni raccolte sono basate su campionamenti con reti multimaglia bentiche e pelagiche in accordo con la metodologia CEN e il protocollo nazionale utilizzato per l'applicazione della Direttiva Quadro sulle Acque 2000/60/CE.

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*

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.

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/Fish_distribution.csv
Do you plan to publish the data on the Freshwater Biodiversity Data Portal: *yes*
update level: *completed*
documentation:
type: *manual*
language: *English*

contact details:

metadata contact person:
first, last name: *Pietro Volta*
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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 fish distribution in Italian lakes and reservoirs.*
year:	*2018*
doi (if applicable):	https://doi.org/10.15468/uey35v

citation of the metadata:

author(s):	*Volta P. & Galafassi S.*
title and journal (name, number, pages):	*Metadata to the database on fish distribution in Italian lakes and reservoirs. Freshwater Metadata Journal 35: 1-4*
year:	*2018*
doi (if applicable):	https://doi.org/10.15504/fmj.2018.35

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*
covered timeframe: year from:	*2007*
year to:	*2014*

Site specifications

coordinate system/grid data:	*latitude/longitude*
	projected
datum (e.g. WGS84):	*WGS84*
grid data available:	*no*
number of sites:	*<100*
exact number of sites:	*28*

Biological data

biological data origin:	*from sampling,*
specify project:	*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:	
organism group addressed:	*fish*

Sample resolution

fish:

taxonomic resolution:

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *Kottelat and Freyhof*

citation: *Kottelat, M. and J. Freyhof, 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:

According to the depth and surface area of the lake, an appropriate number of benthic and pelagic multi-mesh gillnets were used, following CEN standards partly modified. Each benthic net was 40 m long and 1.5 m high and was composed of 16 panels (each 2.5 m long) with mesh sizes ranging from 5.5 to 135 mm. The benthic nets were set from the surface down to 100 m depth. Pelagic sampling was performed with a variable number of nets linked together, each being 27.5 m long and 6 m high and having 11 panels (with a mesh size ranging from 8 mm to 55 mm, knot to knot). Four additional nets (40 m long, 6 m high, 4 panels (75, 95, 115 and 135 mm)) were attached to the end of each pelagic net set. The nets were set at 10 m intervals from the surface down to 50 m depth. Nets were set at dusk between 16.00 and 20.00 pm and lifted the following morning between 06.00 and 08.00 am.

reference(s): *CEN. Water quality?Sampling of fish with multi-mesh gillnets (English version prEN 14757:2013). Brussels: European Committee for Standardization; 2005.*

ISPRA. 2014. Metodi biologici per le acque superficiali interne. Manuali e linee guida 111 / 2014. Rome, Italy. ISBN 978-88-448-0651

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