



Metadata

Freshwater Fishes from Argentina

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Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>
Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *Freshwater Fishes from Argentina*

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

Distribución geográfica de los peces de aguas continentales de Argentina

dataset short name:

BasePecesArg

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

specify: *Coordinates for each record*

data type: *point data/observation data*

short description of the dataset/summary:

The main objective of this database is to compile and publish high-quality, georeferenced information on the distribution of inland fish from the Argentine Republic. It has fields of information of various types: systematic and conservation status (23 fields), geographical (16), literature (12), georeferencing and associated quality (12), and collection (3). It currently has 19,000 records of nearly 550 valid native and 24 exotic species, which were scattered across 800 scientific publications and museum collections. 30% of the records correspond to specimens while the rest of the records are observational.

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

El objetivo central de esta base de datos es compilar y publicar información, georreferenciada y de alta calidad, sobre la distribución de los peces de aguas continentales de la República Argentina. Posee campos de información de diversos tipos: de sistemática y status de conservación (23 campos), geográficos (16), de bibliografía (12), de georreferenciación y calidad asociada (12), y de colección (3). Actualmente cuenta con unos 19.000 registros de casi 550 especies nativas y 24 exóticas válidas, que se encontraban dispersos en más de 800 publicaciones científicas y varias colecciones de museos. Un 30% de los registros corresponden a especímenes mientras que el resto de los registros son observacionales.

keywords according to [GCMD](#):

topic: *Terrestrial Hydrosphere*

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

Biota, Geoscientific Information, Inland Waters, Location

INSPIRE keywords according to [GEMET](#):

Administrative units, Bio-geographical regions, Geographical names, Habitats and biotopes, Hydrography, Species distribution

own science keywords:

Argentina, freshwater fishes, distribution

funding:

Museo de Ciencias Naturales "A. Scasso"

Technical and administrative specifications

data format: *Excel*
operating system: *Win 7*
data language: *Spanish*
current access level: *web (public)*
 web address: *www.pecesargentina.com.ar*
 others/details: *Not all fields are available in the website; information can be requested via infobasepecesarg@gmail.com*
 currently available through [GBIF](#): *no*
 exchange planned: *yes*
 data in data repository: *yes*
 specify repository: *Ictioplata (partial)*

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

no

update level: *continuously updated*
documentation:
 type: *manual*
 language: *Spanish*

contact details:

metadata contact person:

first, last name: *Jorge Liotta*
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 province, state: *Buenos Aires*
 country: *Argentina*
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Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name: *Jorge Liotta*
 contact email: *jorgerliotta@gmail.com*
 contact institution: *Museo de Ciencias Naturales "A. Scasso"*

data contributors to/owners of this dataset:

single

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

The dataset needs to be requested from dataset creator with specific conditions of use.

other/additional criteria:

Certain fields of the dataset are available in a website (www.pecesargentina.com.ar), free of charge, with prior login. A distribution map for the selected species is shown. Users can request more data by contacting infobasepecesarg@gmail.com.

citation of this dataset:

author(s): *Liotta, J.*
 title and journal (name, number, pages):
Base de datos de peces de aguas continentales de Argentina. Published on: <http://www.pecesargentina.com.ar>. Accessed on [dd/mm/yyyy].
 year: *2019*

citation of the metadata:

author(s): *Liotta, J.*
 title and journal (name, number, pages):
Geographical distribution database of freshwater fishes from Argentina. Freshwater Metadata Journal 0: 0-0
 year: *0000*
 doi (if applicable): <https://doi.org/10.15504/fmj.0000.0>

General data specifications

regional coverage of the dataset:

spatial extent of the dataset: *national*

continents: *South America*

spatial extent (bounding coordinates):

southernmost latitude [°]: *-68,5688889*

northernmost latitude [°]: *-21,9666667*

westernmost longitude [°]: *-73,1579722*

easternmost longitude [°]: *-53,6833333*

minimum altitude: *0 metres*

maximum altitude: *4000 metres*

countries: *South America: Argentina*

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

Group B: dry (arid and semiarid) climates

Group C: temperate/mesothermal climates

Group D: continental/microthermal climate

Group E: polar climates

freshwater ecoregions of the world (FEOW) according to [WWF](#):

South America: Bonaerensean Drainages, Chaco, Cuyan - Desaguadero,

Iguassu, Lower Parana, Lower Uruguay, Mar Chiquita - Salinas Grandes,

Patagonia, Upper Parana, Upper Uruguay, Valdivian Lakes

rivers, lakes/ponds, wetlands, groundwater, general freshwater

ecosystem type:

coverage timeframe:

year from: *1860*

year to: *2019*

Site specifications

coordinate system/grid data:	<i>latitude/longitude, format: DD</i>
datum (e.g. WGS84):	<i>WGS84</i>
grid data available:	<i>no</i>
site coding available:	<i>no</i>
	<i>numerical</i>
number of sites:	<i>>1000</i>
exact number of sites:	<i>2883</i>
comments:	<i>The sites are defined here concatenating decimal latitude and decimal longitude. Locality, province, water body, basin, etc. are completed for each record.</i>

Biological data

biological data origin:

specify project:

general compilation,

specify method:

literature survey, compilation of existing databases, museum collections

comments:

Most of the data comes from scientific literature (more than 800 compiled papers), collections of Argentine and foreign museums have also been loaded.

organism group addressed:

fish

Sample resolution

fish:

taxonomic resolution:

percentage of species level data: 99

taxonomic coding:

taxalist according to:

Eschmeyer's Catalog of Fishes

citation:

Fricke, R., Eschmeyer, W. N. & Van der Laan, R. (eds) 2019. Eschmeyer's Catalog of Fishes: genera, species, references.

(<http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp>). Electronic version accessed 13 dec 2019.

sample specifications:

Other specifications

GIS layers, shape files related to the dataset:

others/details: *species distribution*
GIS layers of species and higher taxa can be prepared. They are not available.

availability of photos: *yes*

availability of maps: *yes*

quality control procedures:

Were any quality control procedures applied to your dataset?

yes

quality control protocols and comments:

- *Taxonomic validation (Fricke et al., 2019)*
- *Georeference validation (checked with Google Earth)*
- *Maximum Uncertainty Estimation (georeference calculator)*

reference(s): *Fricke, R., Eschmeyer, W.N. & Van der Laan, R. (eds) 2019. Eschmeyer's Catalog of Fishes: genera, species, references. <http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp>. Electronic version accessed 13 dec 2019.*

<http://41.242.99.131/sigcalc/source/gci2.html> (leads to a Georeferencing calculator, provided by the Department of Computer Science and Applied Electronics of the National Center for Industrial and Technological Research of Madagascar)