



Metadata

FIND Freshwater ItaliaN Database

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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: *FIND Freshwater ItaliaN Database*

type of dataset ([more information](#)): *others*

specify: *see below*

data type: *point data/observation data*

short description of the dataset/summary:

Contains data of biovolume and density of phytoplankton, absence/presence and abundance of macrophytes and fish in according with physico-chemistry and meteorological data of Italian lakes.

science keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification, Terrestrial Hydrosphere*

keywords: *Phytoplankton, biovolume, macrophytes, fish, meteorological data, lakes*

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

Biota, Environment, Inland Waters

Technical and administrative specifications

data format: *others/specify*
others/details: *PostgreSQL/PostGIS*
operating system: *others/specify*
others/details: *Multi Platform*
current access level: *internal*
currently available through [GBIF](#): *no*
update level: *continuously updated*
documentation:
others/details: *In preparation*

Do you plan to publish the data on the Freshwater Biodiversity data portal:

contact details:

metadata contact person:

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comments: *[Metadata were harvested from the WISER metadatabase (http://www.wiser.eu/results/meta-database/details.php?id1=24&id2=53) by the BioFresh team.]*

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

data contributors to/owners of this dataset:

single

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

Other/Additional criteria

other/additional criteria:

Data provider must be offered co-authorship for publications using this dataset. Data must be publicly acknowledged and cited correctly.

citation of this dataset:

title:

*http://www.wiser.eu - Water Bodies in Europe: Integrative Systems to assess Ecological status and Recovery (Version **).*

year:

year of access

version (if applicable):

version number from website

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *national*
continents: *Europe*

spatial extend (bounding coordinates):

southernmost latitude [°]: *36.497858*
northernmost latitude [°]: *47.131330*
westernmost longitude [°]: *6.501953*
easternmost longitude [°]: *18.661133*
minimum altitude: *-3 metres*
maximum altitude: *4810 metres*
countries: *Europe: Italy*

Site specifications

coordinate system/grid data:

datum (e.g. WGS84): WGS84

other site classification parameters:

All sites have coordinates.

site coding:

alphanumerical

number of digits: 50

example: *Lago Maggiore*

number of sites:

<100

exact number of sites: 74

comments:

All lakes are classified in GIGs and altitude, depth, size, geology are available; in FIND DB the 74 sites are different sampling points in the same lake distributed as follows: Maggiore (29 sites), Mergozzo (1 site), Como (1 site), Viverone (29 sites), Alserio (1 site), Candia (12 sites) and Orta (1 site).

Climate and environmental data

climate related data:

environmental data:

physico-chemistry data:

total P, ortho P, total dissolved P, nitrate, nitrite, total N, ammonium, hardness, alkalinity, water temperature, pH, conductivity, chlorophyll, colour, euphotic depth

other physico-chemical parameters *Physico-chemical data for most (TP, nitrite, TN, ammonium, oxygen, water temperature, chlorophyll, pH, conductivity, alkalinity, Ca, Secchi disk, euphotic depth, termocline depth and mean depth) of parameters are available but not present at moment in the DB. DB could be completed in the near future.*

All physico-chemical data are from the CNR - ISE archive.

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	yes	yes		Total phosphorus
hydromorphological degradation	no			
acidification	yes	yes		
organic pollution	no			
toxic stress	yes	yes		
general degradation	no			

Biological data

biological data origin:

specify method: *general compilation*
CNR - ISE archives

organism group addressed: *fish, macro-invertebrates, phytoplankton, phytobenthos, (benthic) diatoms, macroalgae, macrophytes*

Sample specifications/sample resolution

fish:

sample information:

covered timeframe:

year from - to: 1981 - 2004

season: *spring, summer, autumn, winter*

taxonomic resolution: *genus, species*

percentage of species level data: 99

taxonomic coding:

coding system: *Shortcode AT*

sample specifications: *quantitative (abundance data)*

replicate samples: *no*

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

gill net, electro fishing

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

littoral, sublittoral profundal (lakes)

macro-invertebrates:

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

phytoplankton:

sample information:

covered timeframe:

year from - to: 1986 - 2006

season: *spring, summer, autumn, winter*

taxonomic resolution: *genus, species*

percentage of species level data: 80

taxonomic coding:

coding system: *phytoplankton alphanumeric shortcode is available*

sample specifications: *quantitative (abundance data)*

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

Inverted microscope

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

profundal (lakes)

phytobenthos:

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

(benthic) diatoms:

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

macroalgae:

sample information:

covered timeframe:

year from - to: 1986 - 2006

season: *spring, summer, autumn, winter*

taxonomic resolution: *species*

percentage of species level data: 100

taxonomic coding:

coding system: *shortcode alphanumeric*

sample specifications: *semi-quantitative*

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

Italian sampling protocol (unpublished)

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

profundal (lakes)

macrophytes:

sample information:

covered timeframe:

year from - to: 1986 - 2006

season: *spring, summer, autumn, winter*

taxonomic resolution: *species*

percentage of species level data: 100

taxonomic coding:

coding system: *shortcode alphanumeric*

sample specifications: *semi-quantitative*

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

Italian sampling protocol (unpublished)

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

profundal (lakes)

Other specifications

availability of photos: *no*
availability of maps: *no*
quality control procedures: