General information

name of the dataset:

    full name of the dataset: *DSBEG-Reservoirs (Sardinia)*

type of dataset (more information**):**   *species (taxonomic group) per site database including environmental information*

    data type: *point data/observation data*

    short description of the dataset/summary:

        Contains abiotic (chemical-physical data, nutrients) and biotic data (phytoplankton) data of Sardinian reservoirs.

science keywords according to GCMD**:**

    topic: *Biosphere, Terrestrial Hydrosphere*

    keywords: *Phytoplankton, chemical-physical data, nutrients, Sardinian reservoirs*

ISO topic category according to ISO 19115**:**

        Biota, Environment, Inland Waters

Technical and administrative specifications

data format:	*Excel*
operating system:	*Win XP*
others/details:	*Mac*
current access level:	*internal*
currently available through [GBIF](#):	*no*
exchange planned:	*no*
update level:	*continously updated*
documentation:	
others/details:	*Reports of monitoring programmes on the behalf of Autonomous Sardinian Region (in italian)*

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

   metadata contact person:

first, last name:	*Bachisio Mario Padedda*
email:	*bmpadedda@uniss.it*

   technical contact person:

first, last name:	*Bachisio Mario Padedda*
email:	*bmpadedda@uniss.it*

   scientific contact person:

first, last name:	*Bachisio Mario Padedda*
email:	*bmpadedda@uniss.it*
comments:	*[Metadata were harvested from the WISER metadatabase (http://www.wiser.eu/results/meta-database/details.php?id1=27&id2=71) 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:

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*

site coding: *alphanumerical*

    number of digits: *50*

    example: *Bidighinzu*

number of sites: *<100*

    exact number of sites: *22*

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 *SiO4, Fe, Mn*

comments: *Samples were obtained from stations close to the deepest part of the reservoirs, but far enough from the dams to avoid disturbances. Samples were taken at fixed depths using a Niskin bottle (0 m, 1 m, 2.5 m, 5 m, 7.5 m, 10 m, 15 m, and deeper than this level at intervals of 10 m until the bottom was reached).*

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	yes	yes		phosphorus chlorophyll

Biological data

biological data origin:

	general compilation
specify method:	*projects and monitoring data*
organism group addressed:	*phytoplankton, macroalgae, macrophytes*

Sample specifications/sample resolution

phytoplankton:

sample information:
   covered timeframe:
   year from - to: *1986 - 2008*
   season: *spring, summer, autumn, winter*
taxonomic resolution: *genus, species*
   percentage of species level data: *70*
taxonomic coding:
   coding system: *internal code*
sample specifications: *quantitative (abundance data)*
   specification of method(s) used for sampling and sorting:
                              Inverted microscope method
   specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):
                              profundal (lakes)
   other important sample related informations:
                              Samples were obtained from stations close to the deepest part of the reservoirs, but far enough from the dams to avoid disturbances. Samples were taken at fixed depths using a Niskin bottle (0 m, 1 m, 2.5 m, 5 m, 7.5 m, 10 m, 15 m, and deeper than this level at intervals of 10 m until the bottom was reached).

macroalgae:

sample information:
   covered timeframe:
   year from - to: *1986 - 2008*
   season: *spring, summer, autumn, winter*
taxonomic resolution:
taxonomic coding:
sample specifications:
   specification of method(s) used for sampling and sorting:
                              profundal (lakes)
   other important sample related informations:
                              Samples were obtained from stations close to the deepest part of the reservoirs, but far enough from the dams to avoid disturbances. Samples were taken at fixed depths using a Niskin bottle (0 m, 1 m, 2.5 m, 5 m, 7.5 m, 10 m, 15 m, and deeper than this level at intervals of 10 m until the bottom was reached).

macrophytes:

sample information:
   covered timeframe:
   year from - to: *1986 - 2008*
   season: *spring, summer, autumn, winter*
taxonomic resolution:
taxonomic coding:
sample specifications:
   specification of method(s) used for sampling and sorting:
                              profundal (lakes)
   other important sample related informations:

Samples were obtained from stations close to the deepest part of the reservoirs, but far enough from the dams to avoid disturbances. Samples were taken at fixed depths using a Niskin bottle (0 m, 1 m, 2.5 m, 5 m, 7.5 m, 10 m, 15 m, and deeper than this level at intervals of 10 m until the bottom was reached).

Other specifications

availability of photos: *yes*
availability of maps: *yes*
quality control procedures: