Metadata

Database of lakes of Estonian University of Life Sciences

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: Database of lakes of Estonian University of Life Sciences

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: phytoplankton, macrophytes and background abiotic data of lakes in Estonia

science keywords according to GCMD:

topic: Biosphere, Biological Classification, Terrestrial Hydrosphere

keywords: Phytoplankton, macrophytes, abiotic data, lakes

ISO topic category according to ISO 19115:

Biota, Environment, Inland Waters
Dataset: Database of lakes of Estonian University of Life Sciences

Technical and administrative specifications

data format: Access
operating system: Win98

current access level: restricted access
currently available through GBIF: no
exchange planned: no
update level: continuously updated
documentation:

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=28&id2=91) by the BioFresh team.]
Dataset: Database of lakes of Estonian University of Life Sciences

**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:**


**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 [°]: 57.507952
- northernmost latitude [°]: 59.690950
- westernmost longitude [°]: 21.663086
- easternmost longitude [°]: 28.263184
- minimum altitude: 0 metres
- maximum altitude: 318 metres
- countries: Europe: Estonia
<table>
<thead>
<tr>
<th><strong>Site specifications</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>coordinate system/grid data:</strong></td>
<td><strong>numerical</strong></td>
</tr>
<tr>
<td>example:</td>
<td>212980</td>
</tr>
<tr>
<td><strong>number of sites:</strong></td>
<td><strong>100 - 1000</strong></td>
</tr>
<tr>
<td>exact number of sites:</td>
<td>400</td>
</tr>
</tbody>
</table>
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*

stressors influencing the sites:

<table>
<thead>
<tr>
<th>stressor</th>
<th>restored sites available</th>
<th>data before/after restoration available</th>
<th>stressor gradient available</th>
<th>comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>eutrophication</td>
<td>no</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hydromorphological degradation</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>organic pollution</td>
<td>no</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>general degradation</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Biological data

biological data origin:

organism group addressed:  
phytoplankton, macroalgae, macrophytes
Sample specifications/sample resolution

**phytoplankton:**

**sample information:**
- season: spring, summer

**taxonomic resolution:**
- genus, species

**percentage of species level data:**
- 75

**taxonomic coding:**
- coding system: REBECCA

**sample specifications:**
- quantitative (abundance data)

**specification of method(s) used for sampling and sorting:**
- Van Dorn sampler

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

**macroalgae:**

**sample information:**
- season: spring, summer

**taxonomic resolution:**
- genus, species

**percentage of species level data:**
- 85

**taxonomic coding:**

**sample specifications:**
- semi-quantitative

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

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

**macrophytes:**

**sample information:**
- season: spring, summer

**taxonomic resolution:**
- genus, species

**percentage of species level data:**
- 85

**taxonomic coding:**

**sample specifications:**
- semi-quantitative

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

**specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):**
- profundal (lakes)
Dataset: Database of lakes of Estonian University of Life Sciences

Other specifications

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