name of the dataset: Müggelsee, Stechlin See, Spree

dataset short name: MS, SS, Spree

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

data type: point data/observation data, shape files

science keywords according to GCMD:

  topic: Biological Classification, Climate Indicators

  keywords: lakes, rivers, long-term research

ISO topic category according to ISO 19115:

  Biota, Climatology/Meteorology/Atmosphere, Inland Waters
Dataset: Müggelsee, Stechlin See, Spree

Technical and administrative specifications

data format: MySQL
others/details: diverse formats
operating system: Win 2000
others/details: diverse operating systems
data language: English
current access level: internal
update level: continuously updated
documentation:
type: scientific paper
language: English

Do you plan to publish the data on the Freshwater Biodiversity data portal:
media for data delivery: e-mail
web address: Adrian@igb-berlin.de
others/details: On personal request

contact details:

metadata contact person:
first, last name: Rita Adrian
phone: 0049 30 64181684
email: adrian@igb-berlin.de

technical contact person:
scientific contact person:
Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):
contact email: Rita Adrian, Leibniz Institute of Freshwater Ecology and Inland Fisheries

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. Data exchange is possible and appreciated. Please contact Rita Adrian.

citation of this dataset:
author(s): Rita Adrian

citation of the metadata:
General data specifications

regional coverage of the dataset:
Site specifications

coordinate system/grid data:
**Climate and environmental data**

**climate related data:**
- available per: per site
- spatial resolution of the data (if not catchment/site related):
  - 1 km
- available parameters:
  - mean annual temperature January, July
  - mean annual temperature for each month
  - minimal, maximal and mean winter and summer temperatures
  - daily air temperatures
  - mean annual precipitation
  - winter and summer precipitation
  - mean discharge

**environmental data:**
- available parameters per catchment:
  - catchment size
  - catchment geology
  - catchment land cover/land use
  - population density
  - hydrological regime/flow regime
- available parameters per site:
  - river length
  - slope
  - altitude
  - hydrological regime/flow regime
  - discharge
  - maximum depth
  - mean depth

**physico-chemistry data:**
- total P, ortho P, total dissolved P, nitrate, nitrite, total N, ammonium,
  - oxygen content, water temperature, pH, conductivity, chlorophyll, Secci disc depth, thermocline depth

availability of physico-chemical data, if there is more than one sample per site:
- per sample

**comments:**

**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></td>
<td></td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>thermal stress</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Biological data

biological data origin: from sampling

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

#### zoooplankton:

**sample information:**
- covered timeframe: 1979 - 2010
- historical data: yes
- season: spring, autumn, winter
- temporal resolution/frequency of sampling: per week
- time series data: yes
- comments: 1980 onwards

**taxonomic resolution:** genus, species

**taxonomic coding:**

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#### phytoplankton:

**sample information:**
- covered timeframe: 1979 - 2010
- season: spring, summer, autumn, winter
- temporal resolution/frequency of sampling: per week

**taxonomic resolution:** genus, species

**taxonomic coding:**

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#### macrophytes:

**sample information:**

**taxonomic resolution:**

**taxonomic coding:**

**sample specifications:**
Dataset: Müggelsee, Stechlin See, Spree

Other specifications

availability of photos: yes
availability of maps: yes
quality control procedures:
  Were any quality control procedures applied to your dataset?
  yes