



# Publikation (georeferenzierter) Daten

Daten aus der DWB wirklich freigeben – Wer?  
Wann? Wie? Und über welche Portale?

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43. DWB-Workshop, 22.06.2022

  
SNSB  
Botanische  
Staatssammlung  
München

  
snsb  
it center

# Datenexport: Die DIVERSITY WORKBENCH



# Pipeline

DiversityCollection v. 4.3.224

Connection Grid Query Data Administration Help

Context

Specimen 12677 Event 54524 Version 2 2 Withhold. STOP

Acc. Nr. **M-0015926** **Microsphaera calocladophora G. F. Atk.**

Query results 1 - 6201

M-0015918  
M-0015919  
M-0015920  
M-0015921  
M-0015922  
M-0015923  
M-0015924  
M-0015925  
**M-0015926**  
M-0015927

order by: Acc. Nr.

Query conditions  
Projects  
Project ~ + BSMeryscoll  
Creat. date =

Specimen or parts  
Acc. Nr. ~

Collection specimen  
Acc. Nr. ~  
ID ~  
Acc. date ~  
Depositor ~  
Ori. note ~  
Problem ~  
Withhold. ~  
Cre. dat. ~  
Chang. by. ~

Specimen identifier  
Identifier ~

Collection event  
Date ~  
Date ~

Resources of the specimen

Botanische Staatssammlung München  
M-0015926  
Rabenhorst-Winter, Fungl europaei.  
**3536. Microsphaera densissima**  
(Schwein.)  
Erysiphe densissima Schweinitz, Synops. Fung. Americ.  
bor. p. 269. No. 2479.  
Microsphaera densissima Peck, 29. Report. New-York  
State Museum p. 80.  
America borealis: prope Green Cove Springs, Florida.  
Ad folia viva Quercus laurifoliae.  
März 1886. leg. G. Martin.

URI: <http://pictures.snsb.info/BSMeryscoll/A>

1886/3/- America borealis: prope Green Cove Springs, Florida.  
Green Cove Springs, Clay, Florida, United States  
M-0015926  
Quercus laurifolia  
Microsphaera calocladophora G. F. Atk.  
Microsphaera calocladophora  
Microsphaera calocladophora  
Quercus laurifolia  
Martin, G.

Cre. dat.: by  
Last changes: 2015-02-16 by Kuegel

M-0015926  
Microsphaera calocladophora  
Microsphaera calocladophora G. F. Atk.  
Quercus laurifolia

Collection specimen  
Number: M-0015926 Find next No.  
Depositor: Dep. No.:  
Source: Ext. ID.:  
Acc. date: Suppl.: Cat.:  
Exsiccata series:

Notes  
Original:  
Additional:  
Internal:  
Problems:



# Datenexport: Die DIVERSITY WORKBENCH - BioCASE Pipeline



DiversityCollection v. 4.3.224

Cache database

Update, Sources Projects Anon. collectors Protocol Diagnostics BioCASE Old version

Projects published via the cache database and the current postgres database

Collection	Count	Last update	Withheld	Version	View content
DiversityCollection	6132 datasets	2022-06-22 06:30:54	69 datasets withheld	Version 33	View content
BSMeryscoll	6201 datasets	2022-03-14 15:11:19	69 datasets withheld	Version 33	View content
BSMfungicoll	14875 datasets	2022-04-06 17:22:20	8639 datasets withheld	Version 33	View content
BSMgrossecoll	5892 datasets	2021-06-24 15:53:01	128 datasets withheld	Version 33	View content

bioCASE Configuration Tool - BSMfungicoll

Mapping - ABCD\_2.06.xml

Generated: 2005-07-06 14:39:18.15 by PyWrapper v2.0.0

Modified: 2020-07-02 10:27:37

Record definition: /DataSets/DataSet/Units/Unit

Root table alias: Unit

Static table aliases: Metadata

Test Mapping!

```
- Collapse all | + Expand all | Collapse unmappped
```

```
- DataSets
  DataSet
    - ContentContacts
      ContentContact
        Address
          Mapping1: ContentContact.Address(text)
        Email
          Mapping1: ContentContact.Email(text)
        Name
          Mapping1: ContentContact.Name(text)
        Phone
          Mapping1: ContentContact.Phone(text)
    DataSetGUID
      Mapping1: Metadata.DatasetGUID(text)
  - Metadata
    - Representation
      @language
        Mapping1: "en"
      Details
        Mapping1: Metadata.Description_Representation_Details(text)
      Title
        Mapping1: Metadata.Description_Representation_Title(text)
      URI
        Mapping1: Metadata.Description_Representation_URI(text)
    - IPRStatements
      - Acknowledgements
        Acknowledgement
          @language
            Mapping1: "en"
          Details
            Mapping1: Metadata.IPRStatements_Acknowledgement_Details(text)
          Text
            Mapping1: Metadata.IPRStatements_Acknowledgement_Text(text)
          URI
            Mapping1: Metadata.IPRStatements_Acknowledgement_URI(text)
    - Citations
      - Citation
        @language
          Mapping1: "en"
        Details
          Mapping1: Metadata.IPRStatements_Copyright_Details(text)
        Text
          Mapping1: Metadata.IPRStatements_Citation_Text(text)
        URI
          Mapping1: Metadata.IPRStatements_Citation_URI(text)
    - Copyrights
      Copyright
        @language
          Mapping1: "en"
        Details
          Mapping1: Metadata.IPRStatements_Copyright_Details(text)
        Text
```

Save Powered by: SNSB

# Datenexport: ABCD-Standard

## Data exchange standards, protocols and formats relevant for the collection data domain within the GFBio network

The Natural History Collections and Culture Collection BGBM, DSMZ, MfN, SGN, SMNS, SNSB, ZFMK with their evolving GFBio Collection Data Centers/ Data Archives are partners of several national and international initiatives and projects developing and using data exchange protocols and standards. During the first months of the GFBio project the partners collected and evaluated relevant technical documentations of existing domain-specific data exchange formats, interfaces and protocols with relevance for the interaction and harmonization between collection management systems and archive infrastructure as a whole (see table below). This table deals with collection standards, but it was decided to include **SDD**, **EML** and **GML** as well, as they are used and closely connected to the work within GFBio Collection Data Centers/ Data Archives.

This documentation is part of the process to identify existing and to install and integrate new data exchange mechanisms and protocols appropriate for the GFBio network. It provides useful information for software developers and data scientists to set up and run GFBio agreed standard exchange software solutions at the GFBio Collection Data Centers.

**Table: Data exchange standards, protocols and formats relevant for the collection data domain within the GFBio network**

*Note: Cells highlighted in grey indicate standards and protocols for which the GFBio Collection Data Centers/ Archives have expertise or which they use directly or indirectly.*

Standard/ Protocol - Acronym	Full name/ Version	Short description	Documentation/ Schema (URL)	Category	Data domain	Status	GFBio Collection Data Centers – Expertise	Notes/ References
<b>ABCD 2.06</b>	Access to Biological Collections Databases v2.06 (2007-06-13)	Standard for the access to and exchange of data about specimens and observations	<a href="#">XSD File</a> ; <a href="#">Schema</a>	Data Exchange Standard	Collection Archives	accepted (TDWG)	BGBM, DSMZ, MfN, SGN, SMNS, SNSB, ZFMK	[1] [2] [3]
<b>ABCD 2.1</b>	Access to Biological Collections Databases v2.1 (2014-05)	Enhanced version developed for GGBN and BINHum, but it will not be used by GBIF	<a href="#">XSD File</a> ; <a href="#">Schema</a>	Data Exchange Standard	Collection Archives	published	BGBM, MfN, SMNS, SNSB, ZFMK	
<b>ABCD 3.0</b>	Access to Biological Collections Databases v3 (2019-01-31)	New version now described as an XML Schema and an Ontology. This allows the access of the standard through semantic queries, encourages element reuse and serves as basis for future software and services in the area of semantic web.	<a href="#">XSD File</a> ; <a href="#">Schema</a> ; <a href="#">GitHub</a>	Data Exchange Standard	Collection Archives	published	BGBM, MfN	[4]
<b>ABCCDNA</b>	DNA Extension for ABCD v2.06 (2009-05-27)	Standardised XML Schema extension for ABCD to facilitate storage and exchange of data related to DNA collection units. It offers a rudimentary set of DNA-specific data (Sequences).	<a href="#">XSD File</a> ; <a href="#">Schema</a>	Data Exchange Standard	Collection Archives	draft (TDWG)	BGBM, DSMZ, SGN, SNSB (ZSM)	[5]
<b>ABCDEFG</b>	Access to Biological Collection Databases Extended for Geosciences	Standard developed for use with palaeontological, mineralogical and geological digitalized collection data	<a href="#">XSD File</a> ; <a href="#">Schema</a>	Data Exchange Standard	Collection Archives	proposed (TDWG)	BGBM, DSMZ, MfN, SGN, SMNS,	[6] [7]

[https://gfbio.biowikifarm.net/wiki/Data\\_exchange\\_standards,\\_protocols\\_and\\_formats\\_relevant\\_for\\_the\\_collection\\_data\\_domain\\_within\\_the\\_GFBio\\_network](https://gfbio.biowikifarm.net/wiki/Data_exchange_standards,_protocols_and_formats_relevant_for_the_collection_data_domain_within_the_GFBio_network)

# Datenexport: ABCD-Standard



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Schema **ABCD\_2.06.XSD**

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## Data exchange standards,

The Natural History Collections and Culture Collection exchange protocols and standards. During the first m harmonization between collection management system within GFBio Collection Data Centers/ Data Archives. This documentation is part of the process to identify e GFBio agreed standard exchange software solutions.

### Table: Data exchange standards, protocols and f

*Note: Cells highlighted in grey indicate standards and*

Standard/ Acronym	Full name/ Version
<b>ABCD 2.06</b>	Access to Biological Collections Databases v2.06 (2007-06-1)
<b>ABCD 2.1</b>	Access to Biological Collections Databases v2.1 (2014-05)
<b>ABCD 3.0</b>	Access to Biological Collections Databases v3 (2019-01-31)
<b>ABCCDNA</b>	DNA Extension for ABCD v2. (2009-05-27)
<b>ABCDFEG</b>	Access to Biological Collections Databases Extended for Ger

schema location: [http://www.bgbm.org/TDWG/CODATA/Schema/ABCD\\_2.06/ABCD\\_2.06.XSD](http://www.bgbm.org/TDWG/CODATA/Schema/ABCD_2.06/ABCD_2.06.XSD)  
 attribute form default: **unqualified**  
 element form default: **qualified**  
 targetNamespace: <http://www.tdwg.org/schemas/abcd/2.06>

- Elements
- DataSets**
  - anyUriP**
  - Aspect**
  - BotanicalGardenUnit**
  - Contact**
  - ContentMetadata**
  - Country**
  - CultureCollectionUnit**
  - DateTime**
  - Gathering**
  - HerbariumUnit**
  - HigherTaxon**
  - Identification**
  - ImageSize**
  - IPRStatements**
  - Label**
  - LabelRepr**
  - Lookup**
  - LookupL**
  - MeasurementOrFact**
  - MetadataDescriptionRepr**
  - MicroAgent**
  - MicroAgentP**
  - MultiMediaObject**
  - MycologicalUnit**
  - NameBacterial**
  - NameBotanical**
  - NamedArea**
  - NameViral**
  - NameZoological**
  - Organisation**
  - PalaeontologicalUnit**
  - PersonName**
  - PGRUnit**
  - Reference**
  - RevisionData**
  - ScientificName**
  - ScientificNameIdentified**
  - Sequence**
  - Statement**
  - Stratigraphy**
  - StringL**
  - StringL255**
  - StringLP**
  - StringLP255**
  - StringP**
  - StringP255**
  - TaxonIdentified**
  - TelephonePolice**
  - TelephoneNumber**
  - Unit**
  - ZoologicalUnit**
- Simple types
- BiologicalStatus**
  - CodeOfNomenclatureEnum**
  - CollectingAcquisitionSource**
  - DateTimeISO**
  - Epithet**
  - FAInstituteCode**
  - HigherTaxonRankEnum**
  - HybridFlag**
  - InstitutionCode**
  - Monomial**
  - RankAbbreviation**
  - RecordBasisEnum**
  - Role**
  - SexCodeEnum**
  - String**
  - String255**
  - String50**
  - TypeGermplasmStorage**

## domain within the GFBio network

ives are partners of several national and international initiatives and projects developing and using data domain-specific data exchange formats, interfaces and protocols with relevance for the interaction and as decided to include **SDD**, **EML** and **GML** as well, as they are used and closely connected to the work

network. It provides useful information for software developers and data scientists to set up and run


indirectly.

Category	Data domain	Status	GFBio Collection Data Centers – Expertise	Notes/ References
Data Exchange Standard	Collection Archives	accepted (TDWG <a href="#">☞</a> )	BGBM, DSMZ, MN, SGN, SMNS, SNSB, ZFMK	<a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>
Data Exchange Standard	Collection Archives	published	BGBM, MN, SMNS, SNSB, ZFMK	
Data Exchange Standard	Collection Archives	published	BGBM, MN	<a href="#">[4]</a>
Data Exchange Standard	Collection Archives	draft (TDWG <a href="#">☞</a> )	BGBM, DSMZ, SGN, SNSB (ZSM)	<a href="#">[5]</a>
Data Exchange Standard	Collection Archives	proposed (TDWG <a href="#">☞</a> )	BGBM, DSMZ, MN, SGN, SMNS	<a href="#">[6]</a> <a href="#">[7]</a>

[https://gfbio.biowikifarm.net/wiki/Data\\_exchange\\_protocols\\_and\\_formats\\_relevant\\_for\\_the\\_collection\\_data\\_domain\\_within\\_the\\_GFBio\\_network](https://gfbio.biowikifarm.net/wiki/Data_exchange_protocols_and_formats_relevant_for_the_collection_data_domain_within_the_GFBio_network)



# Datenexport: ABCD-Standard



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Data Search  
Data Archiving

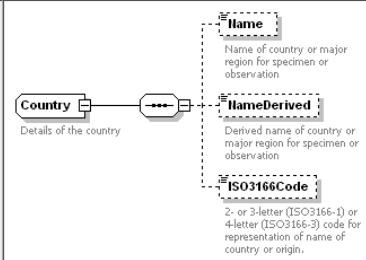
About GFBio  
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Spezialseiten  
Druckversion  
Permanenter Link  
Seiteninformationen  
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Seite zitieren  
Recent Changes

← → ↻ 🏠 [https://www.bgbm.org/tdwg/codata/schema/ABCD\\_2.06/HTML/ABCD\\_2.06.html#complexType\\_Country\\_Link0305C8E0](https://www.bgbm.org/tdwg/codata/schema/ABCD_2.06/HTML/ABCD_2.06.html#complexType_Country_Link0305C8E0)

**complexType Country**


diagram



namespace	http://www.tdwg.org/schemas/abcd/2.06
children	<b>Name NameDerived ISO3166Code</b>
used by	element <b>Gathering/Country</b>
annotation	documentation <b>Details of the country</b>
source	<pre> &lt;xs:complexType name="Country"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Details of the country&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;         &lt;xs:documentation&gt;           &lt;xs:element name="Name" type="StringL" id="cou" minOccurs="0"/&gt;           &lt;xs:documentation xml:lang="en"&gt;Name of country or major region for specimen or observation&lt;/xs:documentation&gt;         &lt;/xs:documentation&gt;         &lt;xs:element name="NameDerived" type="StringL" minOccurs="0"/&gt;           &lt;xs:documentation xml:lang="en"&gt;Derived name of country or major region for specimen or observation&lt;/xs:documentation&gt;         &lt;/xs:documentation&gt;         &lt;xs:element name="ISO3166Code" type="String" id="iso2" minOccurs="0"/&gt;           &lt;xs:documentation xml:lang="en"&gt;2- or 3-letter (ISO3166-1) or 4-letter (ISO3166-3) code for representation of name of country or origin.&lt;/xs:documentation&gt;         &lt;/xs:documentation&gt;       &lt;/xs:documentation&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt;           </pre>

**element Country/Name**

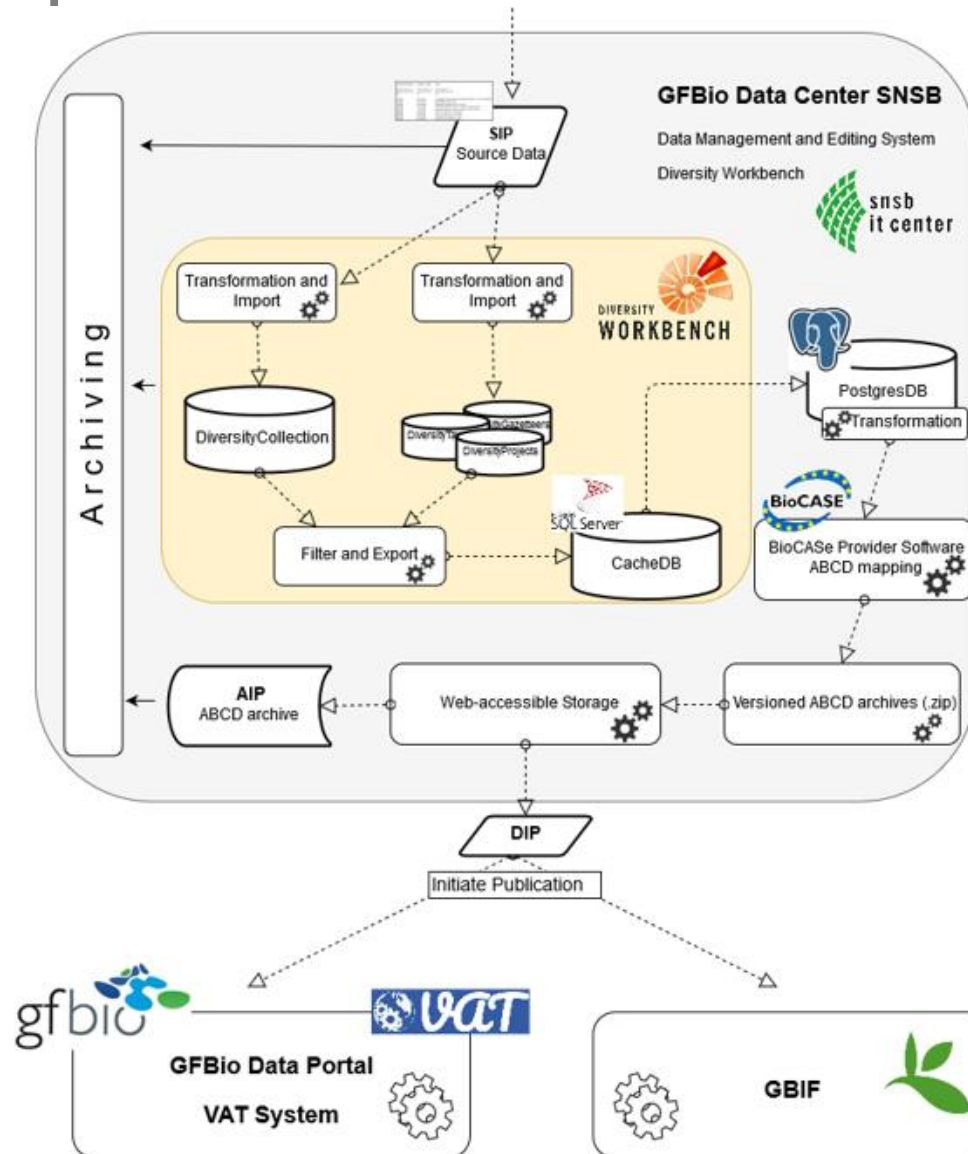
diagram



namespace	http://www.tdwg.org/schemas/abcd/2.06
type	<b>StringL</b>
content	complex id cou

[https://gfbio.biowikifarm.net/wiki/Data\\_exchange\\_standards\\_protocols\\_and\\_formats\\_relevant\\_for\\_the\\_collection\\_data\\_domain\\_within\\_the\\_GFBio\\_network](https://gfbio.biowikifarm.net/wiki/Data_exchange_standards_protocols_and_formats_relevant_for_the_collection_data_domain_within_the_GFBio_network)

# Datenexport: Die DWB-BioCAsE-Pipeline





# Filtern zu exportierender Daten

Cache database

Update, Sources Projects Anon. collectors Protocol Diagnostics BioCASE Old version Transfer all data

Projects published via the cache database and the current postgres database

DiversityCollection

**BSMeryscoll**  
6201 datasets  
Last update: 2022-03-14 15:11:19  
69 datasets withheld

**BSMfungicoll**  
14875 datasets  
Last update: 2022-04-06 17:22:20  
8639 datasets withheld

**BSMgrossebrcoll**  
5892 datasets  
Last update: 2021-06-24 15:53:01  
128 datasets withheld

**Filter settings for Project BSMeryscoll**

Specimen Localisation Site properties Taxonomic groups Material categories Analysis

Restrict coordinate precision to: 0 decimal places

The localisation systems used to retrieve the coordinates and their sequence of retrieval

Not published

- Greenwich Coordinates
- Coordinates
- Coord. PD
- 2. Named area (DiversityGazetteers)
- 3. Named area (DiversityGazetteers)
- 4. Named area (DiversityGazetteers)
- Country (DiversityGazetteers)
- OK
- Dutch RD coordinates
- Top50 (deutsche Landesvermessung)

Published

- Coord. WGS84
- Gauss-Krüger coordinates
- Sampling plot (DiversitySamplingPlots)
- Named area (DiversityGazetteer)
- MTB (A, CH, D)

# Zurückhalten von Daten

DiversityCollection v. 4.3.224

Connection Grid Query Data Administration Help

fungus

Specimen 873196 Event Version 4

Withhold. stop data entry not completed

Query results 1 - 69

- M-0303080
- M-0303081
- M-0303082
- M-0303083**
- M-0303084
- M-0303085
- M-0303086
- M-0303087
- M-0303088
- M-0303089

order by: Acc. Nr.

Query conditions

Projects

Project ~ + BSMeryscoll

Creat. date =

Specimen or parts

Acc. Nr. ~

Collection specimen

Acc. Nr. ~

ID =

Acc. date =

Depositor ~

Ori.note ~

Problem ~

Withhold. present

Cre.dat. =

Chang.by. =

Specimen identifier

Identifier ~

Collection event

Date =

Date =

HERBARIUM R. AGERER 5383

Botanische Staatssammlung München

Inventar-Nr. 7903

HERBARIUM R. AGERER Nr. 5383

Name: *Bryosiphe communis* (Wallr.) Lk.

Osterreich, N.-Osterreich, von der Biologischen Station bei Lunz zum Mittersee.

leg. B. AGERER, P. BLANZ Datum: 3.9.1974

det:

Botanische Staatssammlung München

M-0303083

URI: http://pictures.snsb.info/BSMeryscoll/web/M-0303/M-0303

1:1

Creation: 2020-11-02 by DWB-SNSB-PRODDDB\Imagetransfer

Last changes: 2020-11-02 by DWB-SNSB-PRODDDB\Imagetransfer

M-0303083

fungus

Collection specimen

Number: M-0303083

Find next No.

Depositor: ~

Source: ~

Acc. date: ~

Suppl.: ~

Exsiccata series: ~

Dep. No.: ~

Ext. ID.: ~

Cat.: ~

Projects

BSMeryscoll

Notes

Original: ~

Additional: ~

Internal: ~

Problems: ~

Int N.: ~

Withhold.: stop

# Zurückhalten von Daten

DiversityCollection v. 4.3.224

Connection Grid Query Data Administration Help

Acc. Nr. **M-0015926** **Microsphaera calocladophora G. F. Atk.** Specimen 12677 Event 54524 Version 2 2 Withhold. STOP

Query results 1 - 6201

- M-0015919
- M-0015920
- M-0015921
- M-0015922
- M-0015923
- M-0015924
- M-0015925
- M-0015926**
- M-0015927
- M-0015928

order by: Acc. Nr.

Query conditions

Projects

Project ~ + BSMeryscoll

Specimen or parts

Acc. Nr. ~

Collection specimen

Acc. Nr. ~

ID =

Acc. date =

Depositor ~

Or. note ~

Problem ~

Withhold. ~

Cre. dat. =

Chang. by. =

Specimen identifier

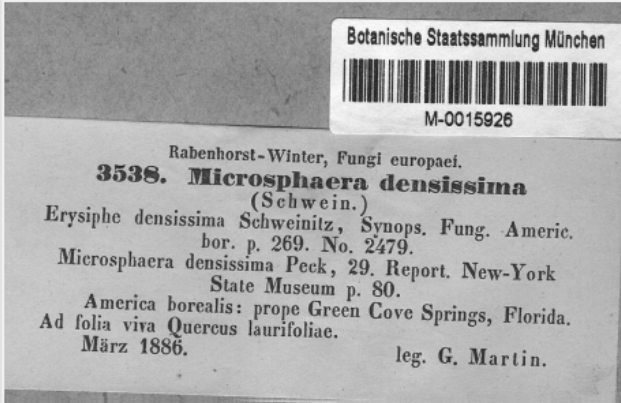
Identifier ~

Collection event

Date =

Date =

Specimen images and resources



Botanische Staatssammlung München

M-0015926

Rabenhorst-Winter, Fungi europaei.

**3538. *Microsphaera densissima***  
(Schwein.)

*Erysiphe densissima* Schweinitz, Synops. Fung. Americ. bor. p. 269. No. 2479.

*Microsphaera densissima* Peck, 29. Report. New-York State Museum p. 80.

America borealis: prope Green Cove Springs, Florida.

Ad folia viva *Quercus laurifoliae*.

März 1886. leg. G. Martin.

URI: <http://pictures.snsb.info/BSMeryscoll/wet>

1886/3/- America borealis: prope Green Cove Springs, Florida.

Green Cove Springs, Clay, Florida, United States

M-0015926

Quercus laurifolia

Quercus laurifolia

**Microsphaera calocladophora G. F. Atk.**

Microsphaera calocladophora G. F. Atk.

Microsphaera calocladophora

Martin, G.

Creation: by

Last changes: 2015-02-16 by Kuegel

M-0015926

**Microsphaera calocladophora**

Microsphaera calocladophora G. F. Atk.

Quercus laurifolia

Collection event

Date: 3\_ 1886

Suppl.:

Category:

End:

Time:

T.span:

Ref.:

Details:

No.:

Withhold.R.:

Notes:

Country: United States of America

Coll.meth.:

Description of the locality Verbatim Description of the habitat

America borealis: prope Green Cove Springs, Florida.

Named area (DiversityGazetteer)

Green Cove Springs, Clay, Florida, United States

Accuracy:

Dist.:

Direct.:

Alt.:

Notes:

Date: 11/17/2003 7:51

Lat.: 29.9833335

# Publikation in nationalen Portalen: GFBio

<https://www.gfbio.org/search>

The screenshot shows the GFBio search interface. At the top, the GFBio logo is on the left, and navigation links for 'About', 'Services', 'Infothek', 'Events', and 'GFBio e.V.' are in the center. A 'Sign In' link is on the right. The search bar contains the text 'The Erysiphales Collection at the Botanische Staatssammlung München'. Below the search bar, it indicates 'Showing 1 to 10 of 11,843 entries'. The results are listed in a table-like format with columns for 'Data Center', 'Summary', 'Parameters', 'Dataset Citation', and 'License/Rights'. The first three results are for *Aquilegia*, *OdontospERMum aquaticum*, and *Syringa vulgaris*. Each result includes a link to the 'Multimedia Object - Multimedia Object - Data Description'. On the left side of the search results, there are filter options for 'Geographical Region' (Europe, Mediterranean Region, North America, Baltic Sea, Mediterranean Sea) and 'Data Center' (Data Center SNSB). There is also a 'Terminology Service Results' section. A green 'FEEDBACK!' button is visible on the right side of the page.



**NFDI 4**  
**BIODIVERSITY**  
BIODIVERSITY, ECOLOGY & ENVIRONMENTAL DATA

# Publikation in internationalen Portalen: GBIF

The screenshot shows the GBIF portal interface for the 'The Erysiphales Collection at the Botanische Staatssammlung München'. The header includes navigation links: 'Get data', 'How-to', 'Tools', 'Community', 'About', and a 'Login' button. The main title is 'The Erysiphales Collection at the Botanische Staatssammlung München', published by 'Staatliche Naturwissenschaftliche Sammlungen Bayerns'. The page displays '11,843 OCCURRENCES' and '398 CITATIONS'. A metadata section includes the URL 'http://www.botanischestaatssammlung.de/DatabaseClients/BSMeryscoll/About.cfm', the SNSB logo, and information: 'Metadata last modified: March 16, 2021', 'Hosted by: Staatliche Naturwissenschaftliche Sammlungen Bayerns', and 'Licence: CC BY 4.0'. Below this are four progress indicators: '11,843 Occurrences' (100%), '100% With taxon match', '90% With coordinates', and '86% With year'. A world map shows 10,663 georeferenced records with yellow dots. At the bottom, there is a gallery of 11,722 occurrences with images, showing several specimen labels with text and barcodes.



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PUBLISHER | SINCE MAY 3, 2010

## Staatliche Naturwissenschaftliche Sammlungen Bayerns


ABOUT METRICS  HOME PAGE

15,033,228 OCCURRENCES 79 DATASETS 546 CITATIONS



ALL OCCURRENCE CHECKLIST SAMPLING EVENT METADATA


**Floristic records from survey studies of the Bayerisches Landesamt für Umwelt** Occurrence dataset

[http://wiki.bayernflora.de/web/Floristic\\_records\\_from\\_survey\\_studies\\_of\\_the\\_Bayerisches\\_Landesamt\\_f%C3%BCr\\_Umwelt](http://wiki.bayernflora.de/web/Floristic_records_from_survey_studies_of_the_Bayerisches_Landesamt_f%C3%BCr_Umwelt) 

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

7,131,680 occurrences 44 citations


**Occurrence Data of Vascular Plants collected or compiled for the Flora of Bavaria** Occurrence dataset

[http://wiki.bayernflora.de/web/Flora\\_of\\_Bavaria\\_%E2%94%80\\_occurrence\\_data\\_online](http://wiki.bayernflora.de/web/Flora_of_Bavaria_%E2%94%80_occurrence_data_online) 

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7,005,170 occurrences 158 citations


**IBF Monitoring of Vascular Plants** Occurrence dataset

<http://www.diversitymobile.net/wiki/IBFplantscoll>About> 

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198,240 occurrences 127 citations


**The Fungal Collection at the Senckenberg Museum für Naturkunde Görlitz** Occurrence dataset

<http://www.gbif-mycology.de/DatabaseClients/GLMcoll/About.cfm> 

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158,033 occurrences 215 citations


**Fungus Collections at Staatliches Museum für Naturkunde Karlsruhe (Herbarium KR)** Occurrence dataset

<http://www.smnk.de/en/collections/botany/fungi/> 

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

73,221 occurrences 263 citations

**The Vascular Plant Collection at the Botanische Staatssammlung München** Occurrence dataset

<http://www.botanischestaatssammlung.de/DatabaseClients/BSMvplantscoll/About.html> 

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

51,973 occurrences 267 citations

ALL OCCURRENCE CHECKLIST SAMPLING EVENT METADATA

**Taxon list of fungi and fungal-like organisms from Germany compiled by the DGMF** Checklist dataset

[http://www.diversitymobile.net/wiki/About\\_%22Taxon\\_list\\_of\\_fungi\\_and\\_fungal-like\\_organisms\\_from\\_Germany\\_compiled\\_by\\_the\\_DGMF%22](http://www.diversitymobile.net/wiki/About_%22Taxon_list_of_fungi_and_fungal-like_organisms_from_Germany_compiled_by_the_DGMF%22)

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

32,676 records

**Taxon list of animals with German names (worldwide) compiled at the SMNS** Checklist dataset

[http://www.diversitymobile.net/wiki/About\\_%22Taxon\\_list\\_of\\_animals\\_with\\_German\\_names\\_%28worldwide%29\\_compiled\\_at\\_the\\_SMNS%22](http://www.diversitymobile.net/wiki/About_%22Taxon_list_of_animals_with_German_names_%28worldwide%29_compiled_at_the_SMNS%22)

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

18,220 records

**Taxon list of vascular plants from Bavaria, Germany compiled in the context of the BFL project** Checklist dataset

[http://www.diversitymobile.net/wiki/About\\_%22Taxon\\_list\\_of\\_vascular\\_plants\\_from\\_Bavaria\\_Germany\\_compiled\\_in\\_the\\_context\\_of\\_the\\_BFL\\_project%22](http://www.diversitymobile.net/wiki/About_%22Taxon_list_of_vascular_plants_from_Bavaria_Germany_compiled_in_the_context_of_the_BFL_project%22)

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

13,631 records

**Taxon list of Hymenoptera from Germany compiled in the context of the GBOL project** Checklist dataset

[http://www.diversitymobile.net/wiki/About\\_%22Taxon\\_list\\_of\\_Hymenoptera\\_from\\_Germany\\_compiled\\_in\\_the\\_context\\_of\\_the\\_GBOL\\_project%22](http://www.diversitymobile.net/wiki/About_%22Taxon_list_of_Hymenoptera_from_Germany_compiled_in_the_context_of_the_GBOL_project%22)

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

11,471 records

**Taxon list of Araneae from Germany compiled in the context of the GBOL project** Checklist dataset

[http://www.diversitymobile.net/wiki/About\\_%22Taxon\\_list\\_of\\_Araneae\\_from\\_Germany\\_compiled\\_in\\_the\\_context\\_of\\_the\\_GBOL\\_project%22](http://www.diversitymobile.net/wiki/About_%22Taxon_list_of_Araneae_from_Germany_compiled_in_the_context_of_the_GBOL_project%22)

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

1,647 records

**Taxon list of mosses from Germany compiled in the context of the GBOL project** Checklist dataset