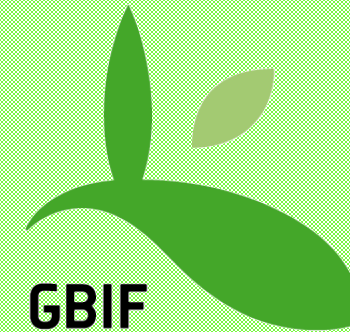
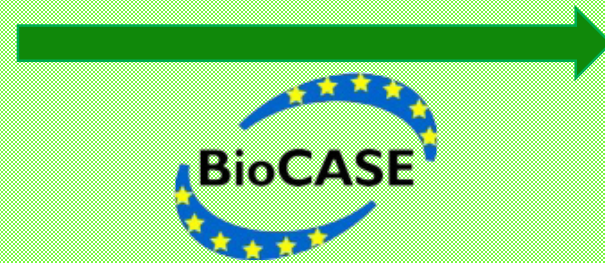







# **SNSB as GBIF data publisher with DWB-BioCASE data publication pipelines**



# SNSB Data Publication at GBIF Portal

Get dataHow-toToolsCommunityAbout

Login

PUBLISHER | SINCE MAY 3, 2010

Staatliche Naturwissenschaftliche Sammlungen Bayerns

ABOUTMETRICSHOME PAGE

15,413,857 OCCURRENCES15,426,685 HOSTED OCCURRENCES79 DATASETS1,460 CITATIONS

**Description:** The Bavarian Natural History Collections (Staatliche Naturwissenschaftliche Sammlungen Bayerns, SNSB) are a public consortium of scientific research institutions, natural history museums and a botanical garden. They are a sub-item of the Bavarian State Ministry of Sciences, Research and the Arts. All these institutions are located in Bavaria and have a wide range of tasks and goals. The data provided by the SNSB are processed by the SNSB IT Center ([www.snsb.info](http://www.snsb.info)). The data ownership is as cited under the single data resources.

**Endorsed by:** [GBIF Germany](#)


**Installations:** [DiversityTaxonNames Server](#) • [BioCASE Installation Staatliche Naturwissenschaftliche Sammlungen Bayerns](#)

**Administrative contact:** [Dagmar Triebel](#)

**Technical contact:** [SNSB IT Center](#)

**Country or area:** [Germany](#)

**Hosting:** [80 datasets](#) ( 2 publishers• 2 countries )



OpenStreetMap contributors

CONTACTS

Staatliche Naturwissenschaftliche Sammlungen Bayerns

SNSB IT Center  
Technical point of contact

Dagmar Triebel  
Administrative point of contact

# SNSB Data Publication at GBIF Portal

Get data How-to Tools Community About

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)

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

7,005,170 occurrences 158 citations

**IBF Monitoring of Vascular Plants** Occurrence dataset

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

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

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>

Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

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

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

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

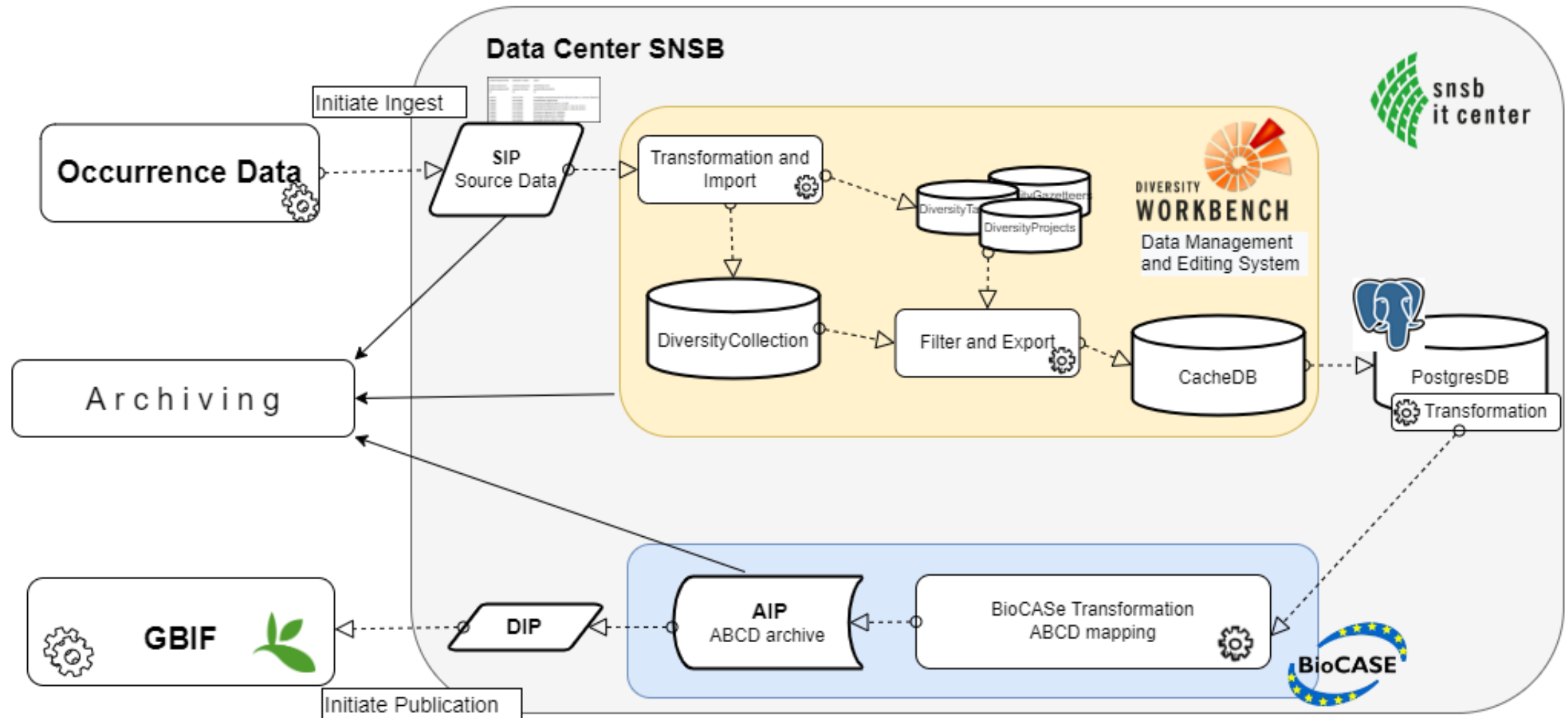
**Taxon list of mosses from Germany compiled in the context of the GBOL project** Checklist dataset

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

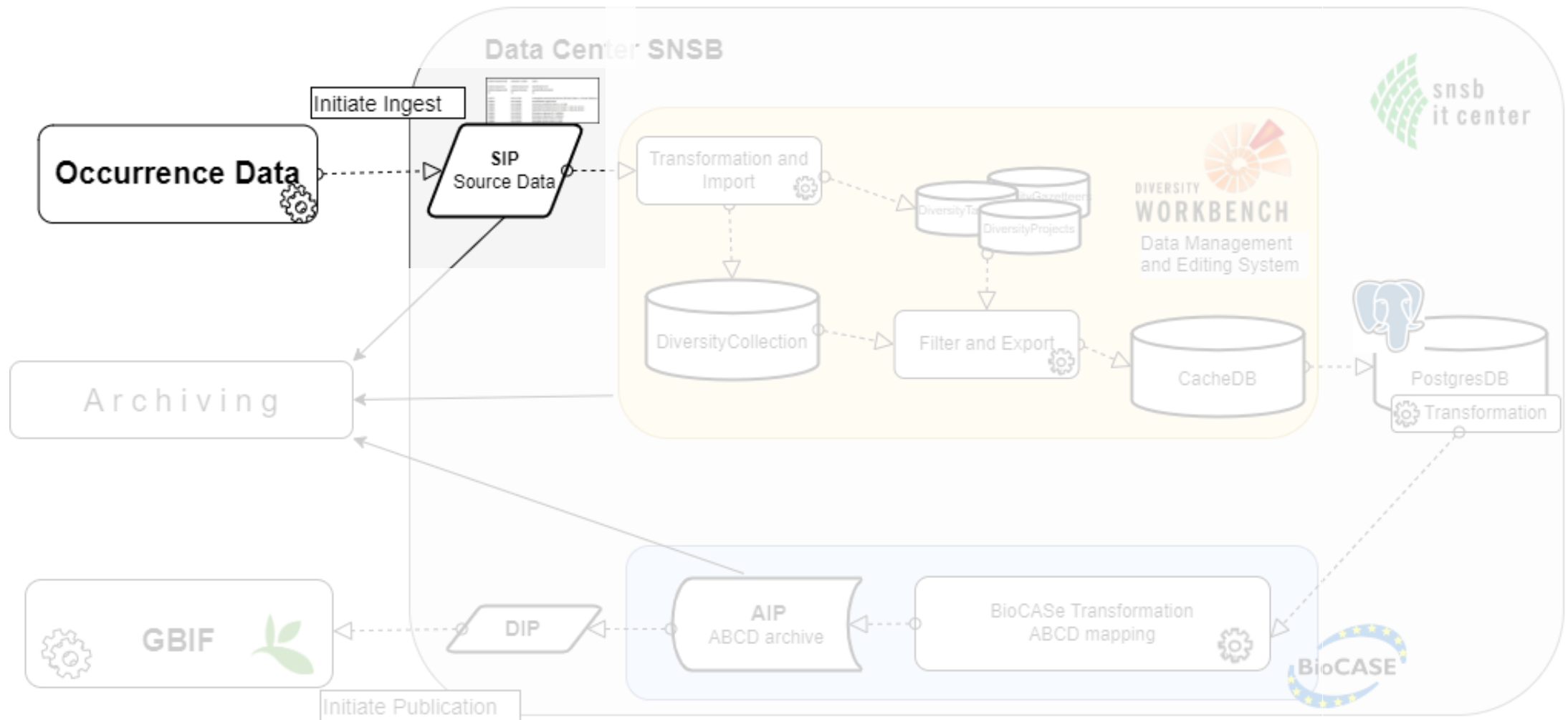
Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns

1,647 records

# Dataflow of occurrence data



# Data Management System *Diversity Workbench*



# Diversity Workbench Import Wizard

File: C:\Users\Sanz\Documents\Purpurascens\Schmidt-Stohn-Purpurascens Nr. 1-41\_150521\_fin.txt

Encoding: ANSI Start line: 2 End line: 42

Schema: C:\Users\Sanz\Documents\Purpurascens\Schmidt-Stohn-Purpurascens Nr. 1-41\_150521\_fin\_20150611\_142709.xml

Language / Country: US

**Schedule for import of tab-separated text files into DiversityCollection**

Target within DiversityCollection: Specimen

Schedule version: 1 Database version: 02.05.58

Lines: 2 - 42 First line contains column definition: ✓

Encoding: ANSI Language: US

**Tables**

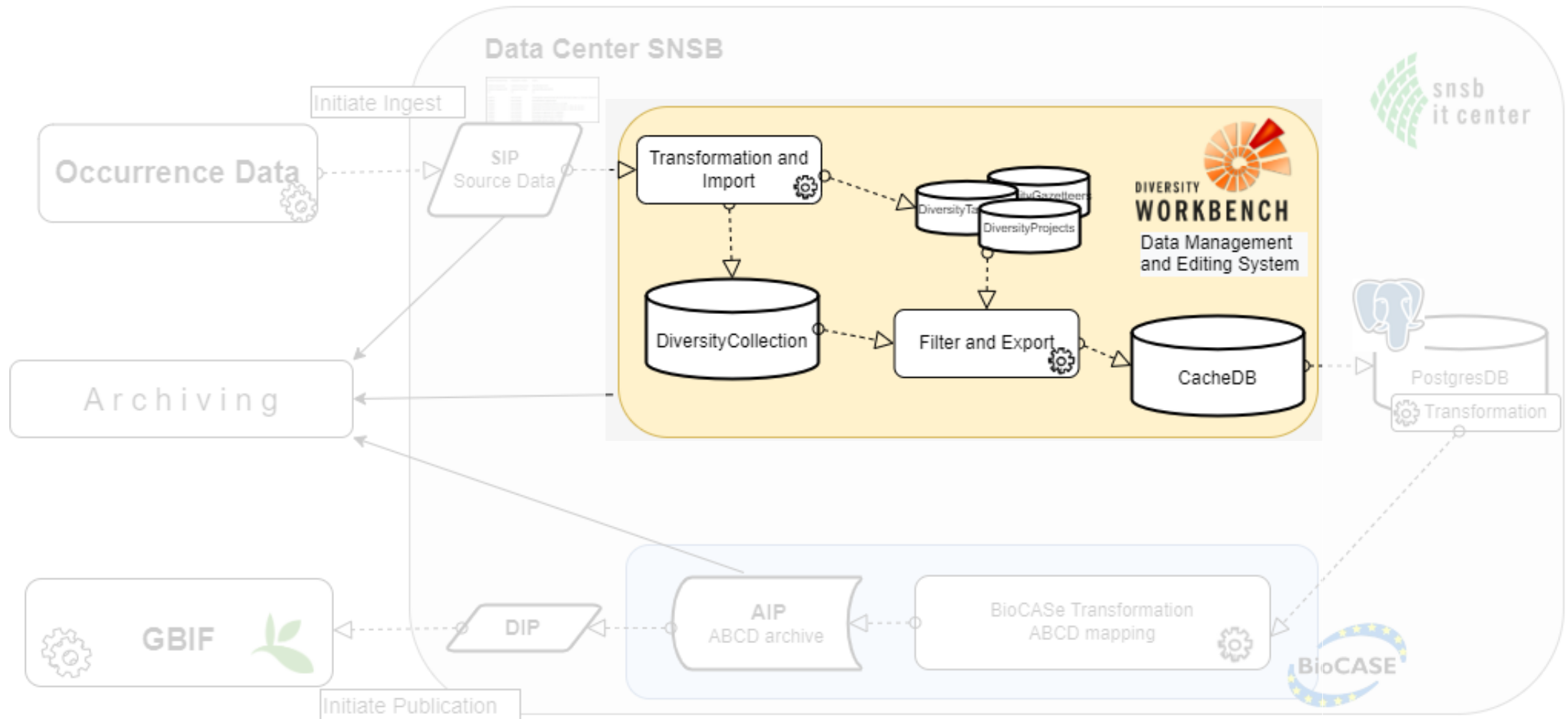
CollectionEvent (CollectionEvent)

Merge handling: Insert

Column in table	Key	Copy	Pre	Post	File pos.	Transformations	Value	Source	Table
CollectionEventID								Database	
CollectionDay	?				7	Split at Pos. Dir. 1 ⇌		File	
CollectionMonth	?				7	Split at Pos. Dir. 2 ⇌		File	
CollectionYear	?				7	Split at Pos. Dir. 3 ⇌		File	

	Specimen	Part 1 StorageLocation	Event	Agent 1 CollectorsName	Agent 1 CollectorsNumber	Event CollectionDay	Event CollectionMonth	Event CollectionYear	Event LocalityDescription
	AccessionNumber	LastIdentificationCa	CountryCache	Agent 2 CollectorsName					
		Identification 1.1							HabitatDescription
1	Nr. M-Nummem	Art	Land	Fundort	Sammler	Koll.-Nr.	Datum		Begleitbäume, O...
2	1 M-0275820	Cortinarius purpur...	Ungarn	Szentendre	B. Dima	DB3362	16.10.2008		Quercus petraea,...
3	2 M-0275821	Cortinarius purpur...	Ungarn	SzSzb. Bátorliget	L. Albert & B. Dima	DB1339	02.10.2004		Quercus robur
4	3 M-0275822	Cortinarius purpur...	Deutschland	Kyffhäuser/Leop...	G. Schmidt-Stohn	SS07-211	09.10.2007		Quercus
5	4 M-0275823	Cortinarius subpu...	Italien	Matschatsch	C. Rossi	Rossi4034	03.10.1998		Fagus
6	5 M-0275824	Cortinarius purpur...	Italien	S. Vito Comedo	C. Rossi	Rossi4906	22.10.2000		Picea, Castanea
7	6 M-0275825	Cortinarius purpur...	Italien	Calangianus	C. Rossi	Rossi5053	02.11.2000		Quercus suber, Q...

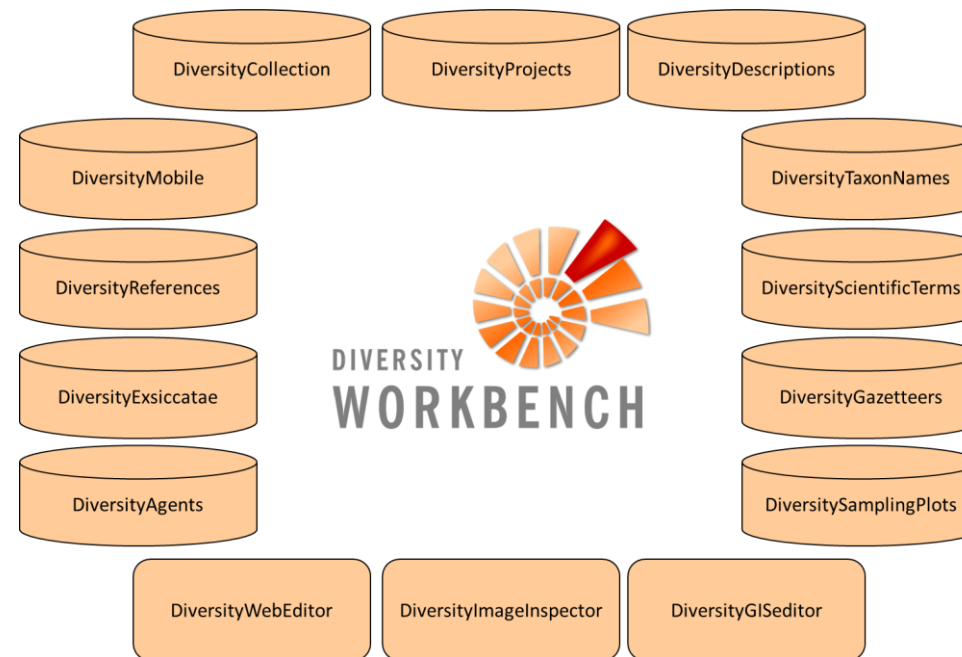
# Data Management System *Diversity Workbench*





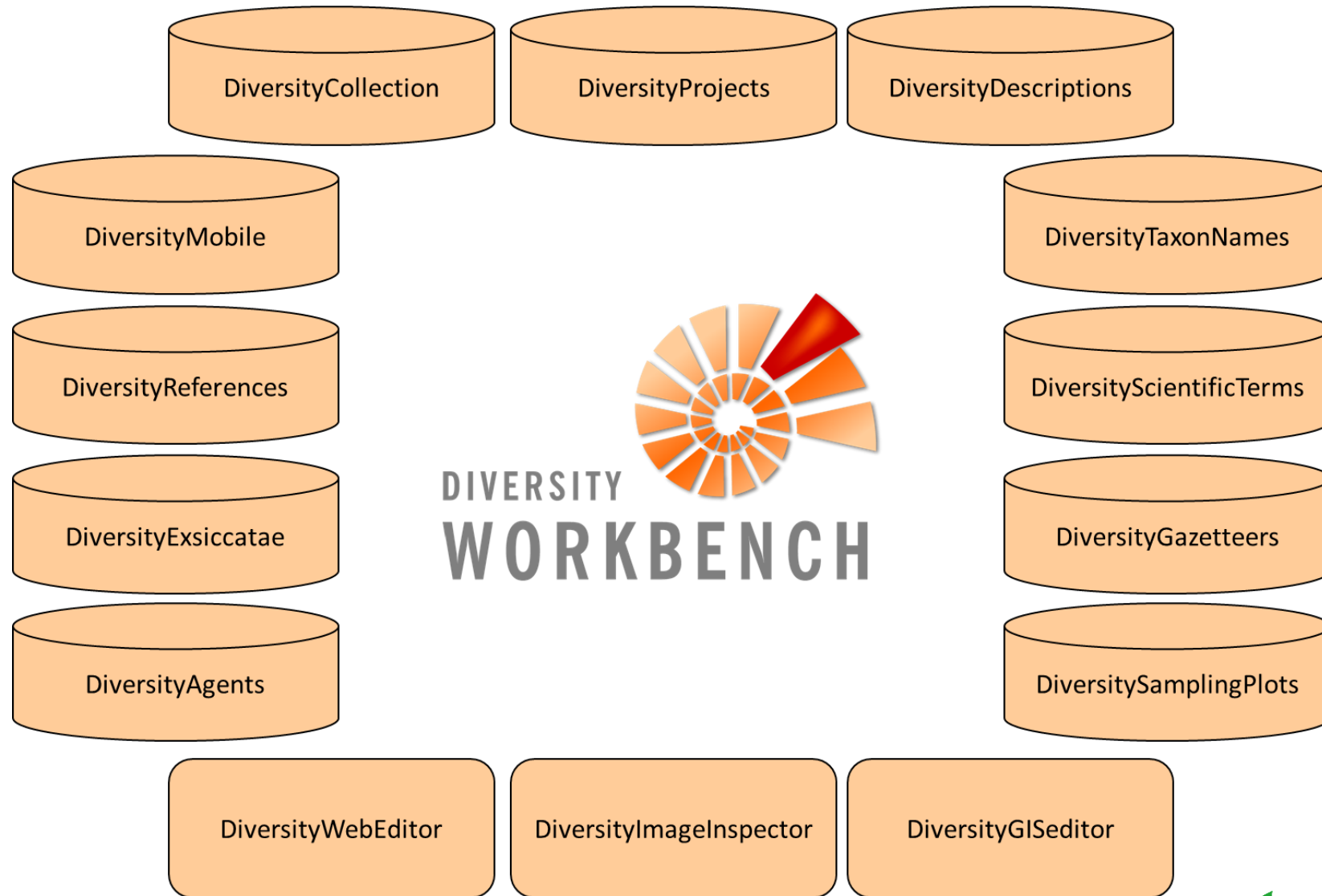
# DWB – a Set of Software Tools

- 11 SQL relational data bases for the management of research and collection data
- Software Implementation is mainly done at the SNSB
- Concept development / modelling in cooperation with other teams



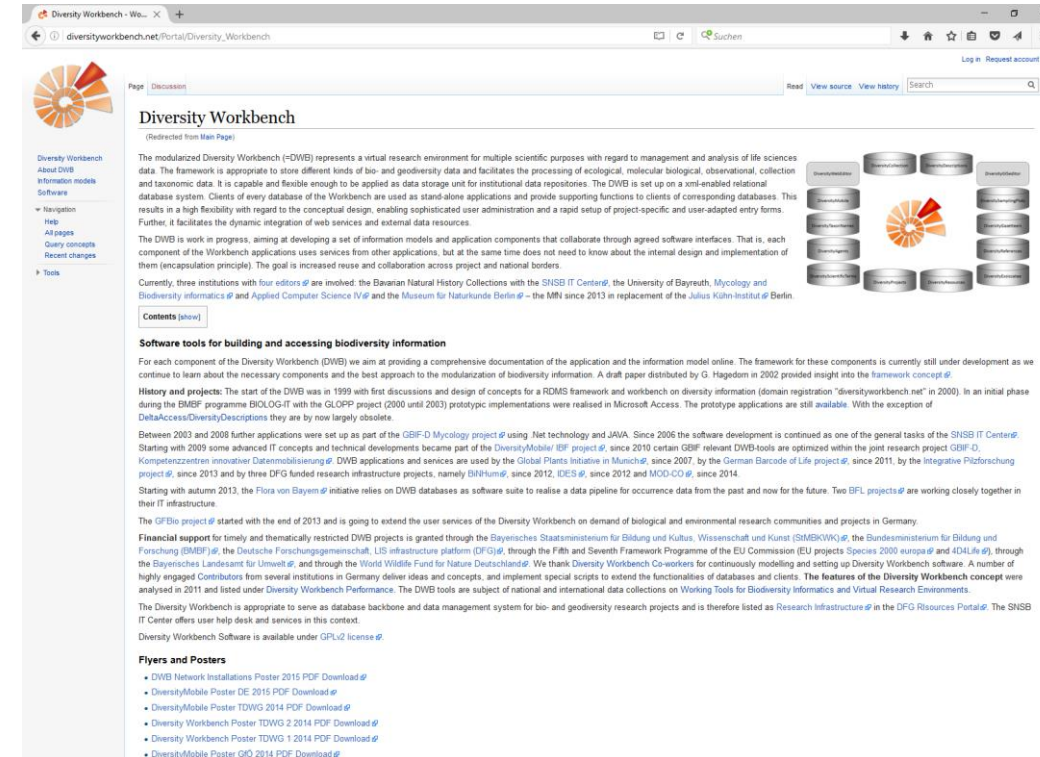


# DWB – a Set of Software Tools

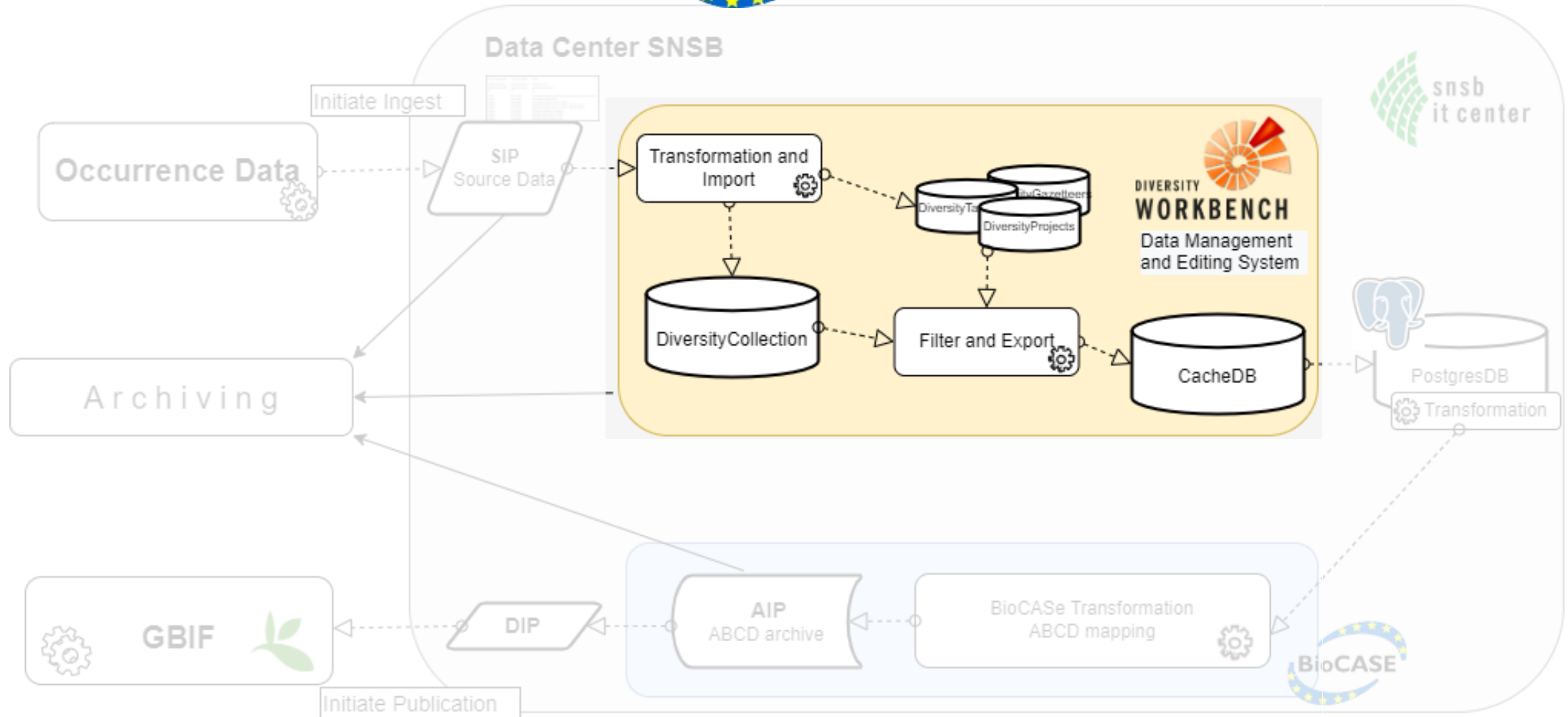


# DWB – Agile Software Development

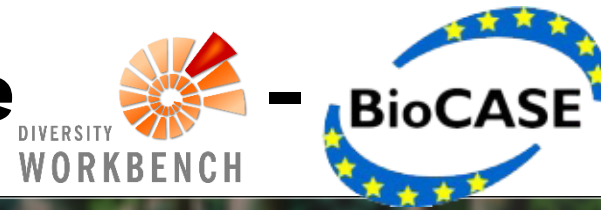
- .... for more than 20 years
- Software is open access - [www.diversityworkbench.net](http://www.diversityworkbench.net)
- Open source implementation with more than 2 Mio code lines
- Software design, data model and ER schema are innovativ and published open access
- Agile software development with test of software by more than 30 committed users
- Workshops since more than 15 years



# Data Export: The - BioCASE - Pipeline



# Data Export: The - BioCASE - Pipeline



# Data Export: The



# -Pipeline

DiversityCollection v. 4.3.224

Connection Grid Query Data Administration Help

Acc. Nr. fungus Specimen 873196 Version 4 Withhold. 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

Cre. 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 ~

Specimen images and resources

HERBARIUM R. AGERER 5383

Botanische Staatssammlung München

Inventar-Nr. 7903

HERBARIUM R. AGERER Nr. 5383

Name: Brysipse communis (Wallr.) Lk.

Osterreich, N.-Osterreich, von der Biologischen Station bei Lenz zum Ritterssee.

leg. B. Agerer, P. Blanz Datum: 3.9.1974

det: Botanische Staatssammlung München

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

Collection specimen

Number: M-0303083 Find next No.

Depositor: ~ Dep. No.: ~

Source: ~ Ext. ID.: ~

Acc. date: ~ Suppl.: ~ Cat.: ~

Exsiccata series: ~

Projects

BSMeryscoll

Notes

Original: ~

Additional: ~

Internal: ~

Problems: ~

Different withhold options available



# Data Export: The



# -Pipeline

DiversityCollection v. 4.3.224

Connection Grid Query Data Administration Help

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

Cre. date =

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 =

Acc. Nr. **M-0015926**

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

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.

1:1

Max. MB: 2.0

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.:

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

Different withhold options available

# Data Export: The - BioCASE - Pipeline



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

**DiversityCollectionCache01**

6132 datasets  
Last transfer:  
2022-06-22 06:30:54

Version 33

**DiversityCollectionCache\_BSMeryscoll**

6132 datasets  
Last transfer:  
2022-06-22 07:35:43

Version 24

**Packages**

ABCD

**BSMfungicoll**

14875 datasets  
Last update:  
2022-04-06 17:22:20

8639 datasets withheld

**DiversityCollectionCache\_2**

6236 datasets  
Last transfer:  
2022-06-22 06:29:10

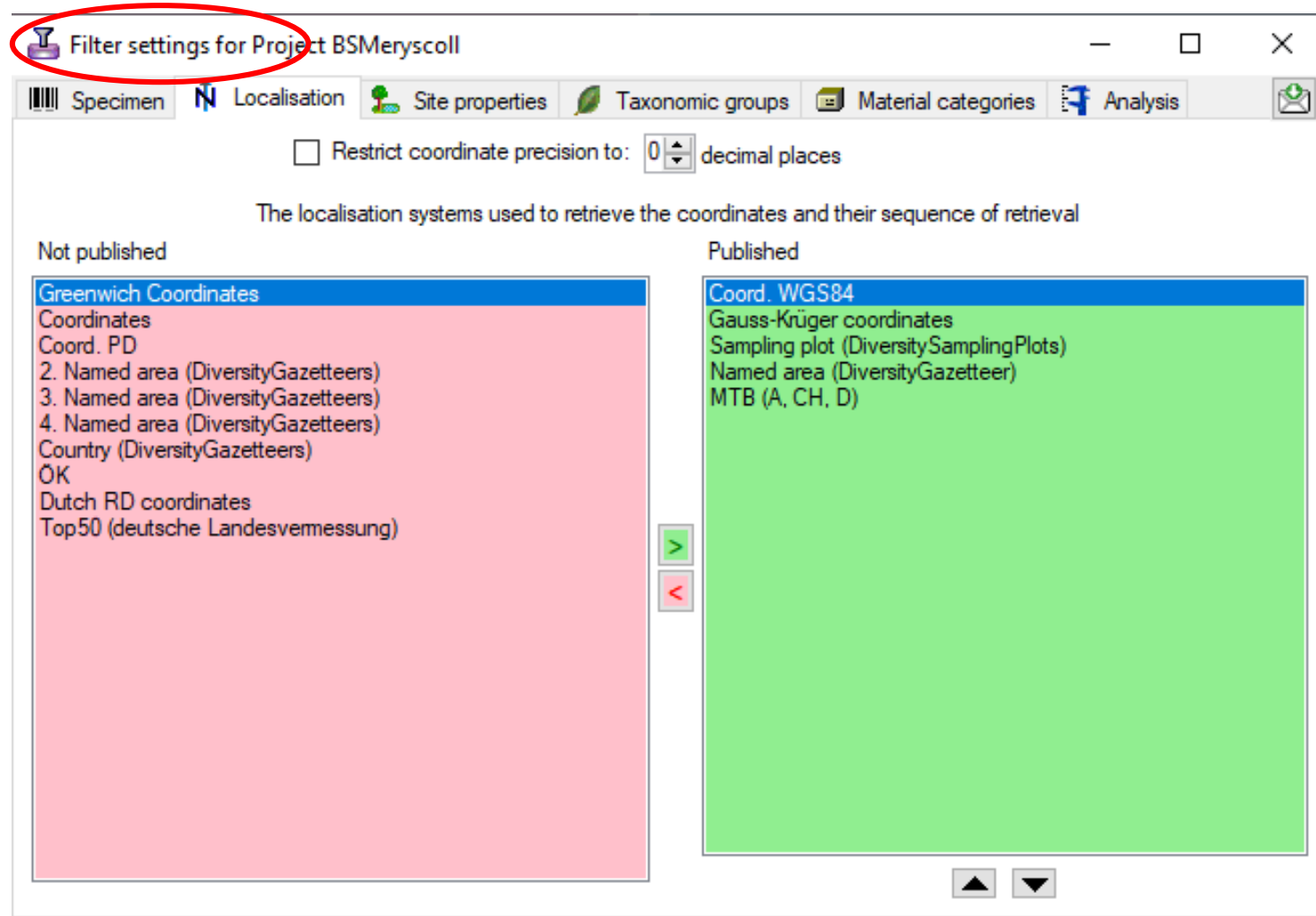
Version 33

**DiversityCollectionCache\_BSMfungicoll**

Not established



# Data Export: The - BioCASE - Pipeline



# Data Export: The - BioCASE - Pipeline



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

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Last transfer:  
2022-06-22 06:30:54

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14875 datasets  
Last update:  
2022-04-06 17:22:20

8639 datasets withheld

**DiversityCollectionCache\_2**

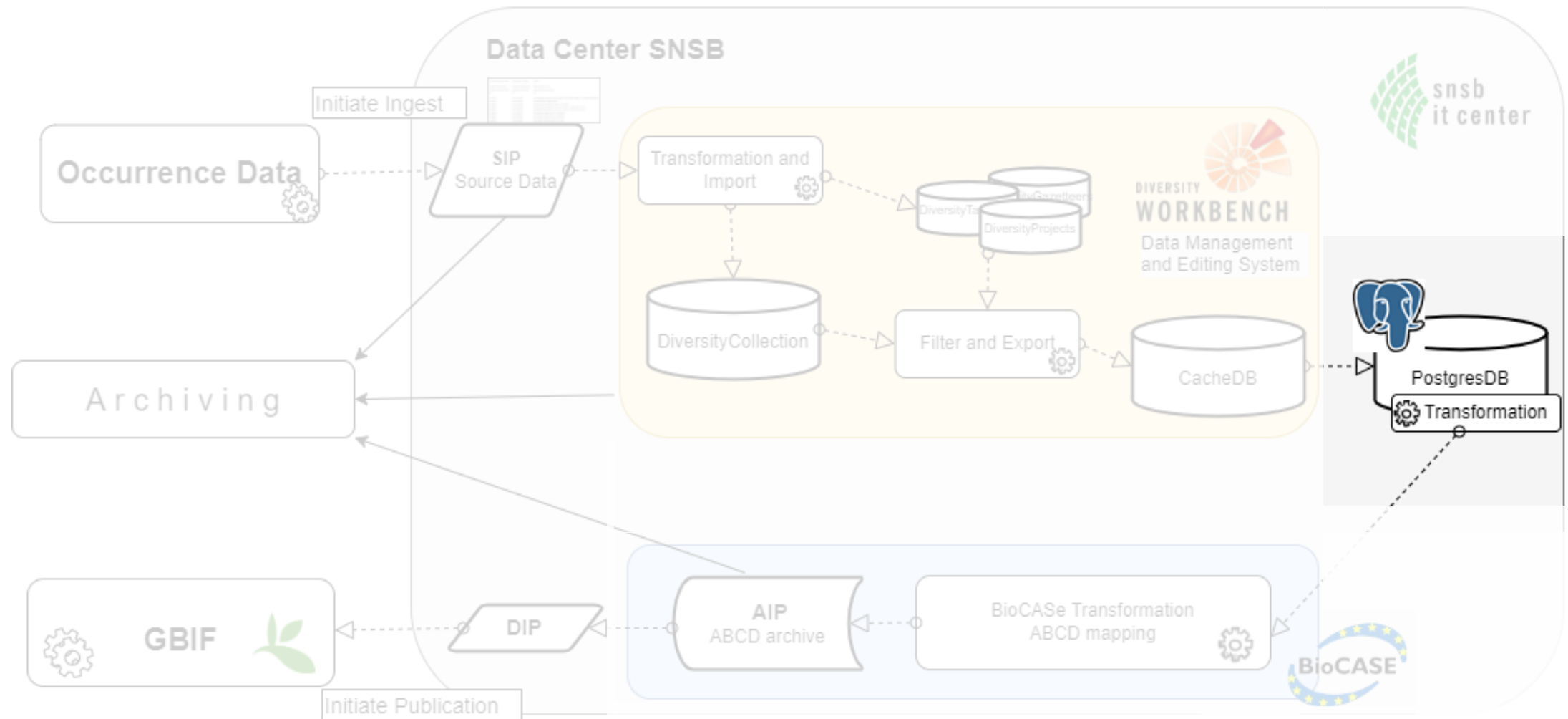
6236 datasets  
Last transfer:  
2022-06-22 06:29:10

Version 33

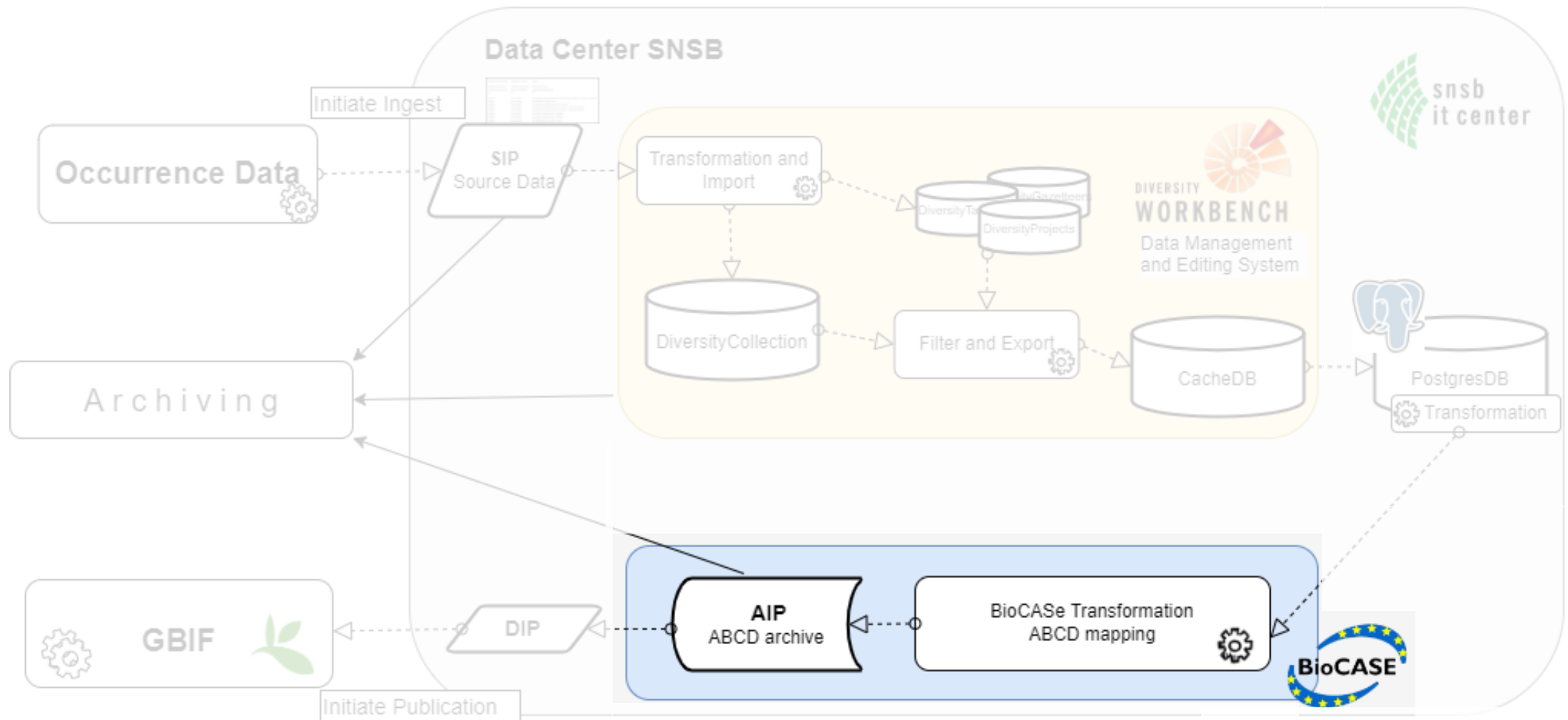
**DiversityCollectionCache\_BSMfungicoll**

Not established

# BioCAsE Transformation / ABCD Mapping



# BioCASE Transformation / ABCD Mapping



# BioCASE Provider Software

bioease.snsb.info/wrapper/configtool/mapping.cgi?dsa= 80%

## BioCASE Configuration Tool - BSMfungicoll

[Home](#) | [Overview](#) | [Settings](#) | [DB connection](#) | [DB structure](#) | [Archiving & Filtered export](#) | [QueryForms](#) | [Help](#) | [Report a Bug](#)

### Mapping - ABCD\_2.06.xml

<http://www.tdwg.org/schemas/abcd/2.06>

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

Show all concepts ☐ or add new concepts by xpath identifier:

- Collapse all | + Expand all | Collapse unmapped

```
- 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
        - Description
          - 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)
```



# BioCASE Provider Software




## BioCASE Configuration Tool - *BSMfungicoll*

[Home](#) | [Overview](#) | [Settings](#) | [DB connection](#) | [DB structure](#) | [Archiving & Filtered export](#) | [QueryForms](#) | [Help](#) | [Report a Bug](#)


### Database connection

The connection to the database is **OK**.

 [Edit Connection parameters](#)

### Database Structure



You have configured 13 table aliases.

 [Edit DB structure](#)

### Schemas



These are the XML schemas supported by this datasource and the number of elements mapped.

Click on the name to edit the mapping:

 [ABCD\\_2.1.xml](#) : 115 concepts mapped from 1470 of NS <http://www.tdwg.org/schemas/abcd/2.1> 

**1 XML archive(s)** for this schema, last modified on 2022-09-27.

mappings from ABCD\_2.1.xml to new schema

 [ABCD\\_2.06.xml](#) : 107 concepts mapped from 988 of NS <http://www.tdwg.org/schemas/abcd/2.06> 

**1 XML archive(s)** for this schema, last modified on 2022-09-27.

mappings from ABCD\_2.06.xml to new schema

**Map your DB to a new schema:**

**Recycle bin:** Restore a schema mapping to reactivate the schema, or press purge to permanently delete the file.

*Recycle bin is empty.*

### DarwinCore Archives

*No DarwinCore archives created so far.*

# BioCAsE Provider Software



## BioCAsE Configuration Tool - *BSMfungicoll*

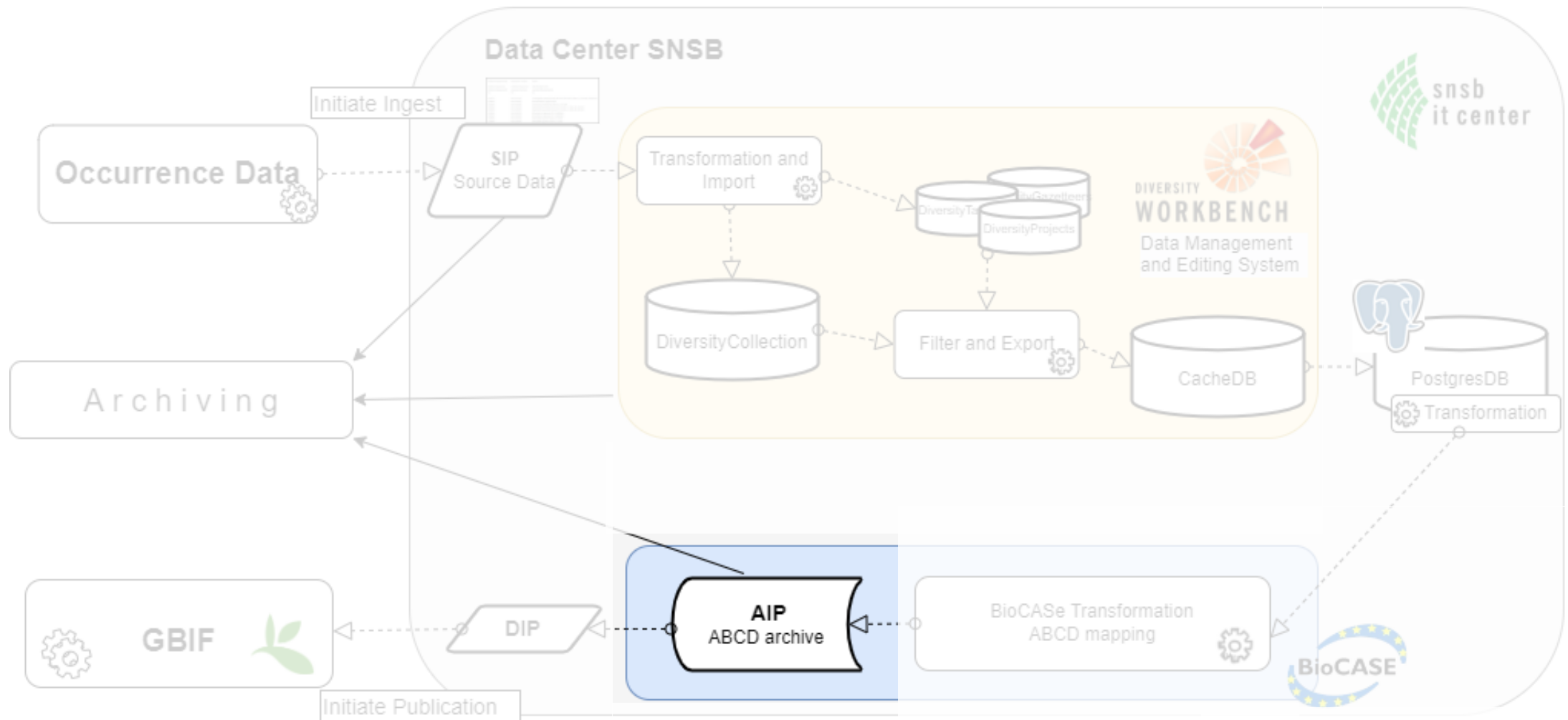
[Home](#) | [Overview](#) | [Settings](#) | [DB connection](#) | [DB structure](#) | **[Archiving & Filtered export](#)** | [QueryForms](#) | [Help](#) | [Report a Bug](#)

### Existing Archives

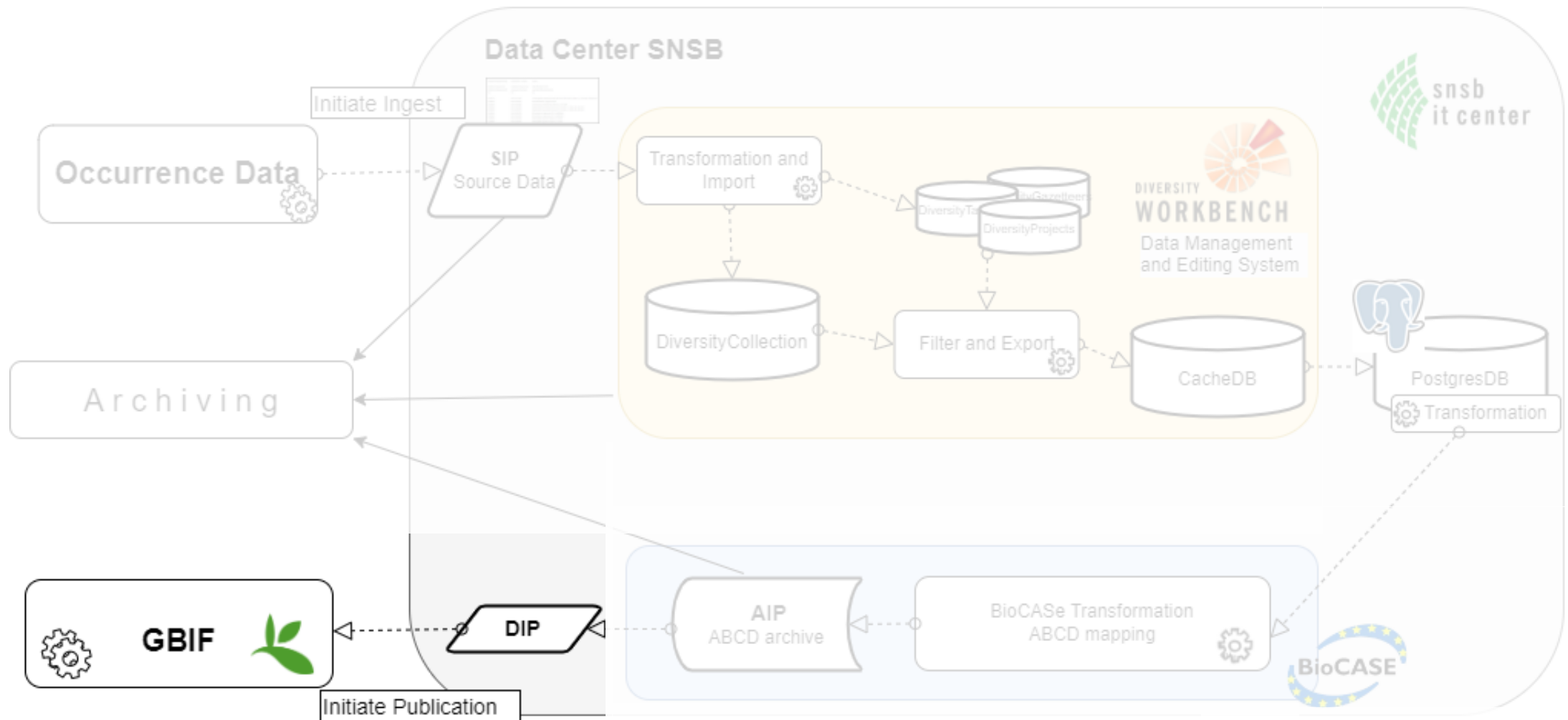
Schema/File Name	Recs	Drop	Last modified	Size	
- <b>ABCD_2.06</b> The Fungal Collection at the Botanische Staatssammlung Munchen.ABCD_2.06.zip	9,059		<a href="#">Log</a> 22-09-27 13:19	1 M	<a href="#">DwC</a>
- <b>ABCD_2.1</b> The Fungal Collection at the Botanische Staatssammlung Munchen.ABCD_2.1.zip	9,059		<a href="#">Log</a> 22-09-27 12:43	1 M	<a href="#">DwC</a>








# BioCAsE Transformation / ABCD Mapping



# BioCAsE Transformation / ABCD Mapping



# SNSB Data Publication at GBIF Portal

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PUBLISHER | SINCE MAY 3, 2010

Staatliche Naturwissenschaftliche Sammlungen Bayerns

[ABOUT](#)[METRICS](#)[HOME PAGE](#)

15,413,857 OCCURRENCES15,426,685 HOSTED OCCURRENCES79 DATASETS1,460 CITATIONS

**Description:** The Bavarian Natural History Collections (Staatliche Naturwissenschaftliche Sammlungen Bayerns, SNSB) are a public consortium of scientific research institutions, natural history museums and a botanical garden. They are a sub-item of the Bavarian State Ministry of Sciences, Research and the Arts. All these institutions are located in Bavaria and have a wide range of tasks and goals. The data provided by the SNSB are processed by the SNSB IT Center ([www.snsb.info](http://www.snsb.info)). The data ownership is as cited under the single data resources.

**Endorsed by:** [GBIF Germany](#)


**Installations:** [DiversityTaxonNames Server](#) • [BioCASE Installation Staatliche Naturwissenschaftliche Sammlungen Bayerns](#)

**Administrative contact:** [Dagmar Triebel](#)

**Technical contact:** [SNSB IT Center](#)

**Country or area:** [Germany](#)

**Hosting:** [80 datasets](#) ( 2 publishers• 2 countries )



OpenStreetMap contributors

CONTACTS

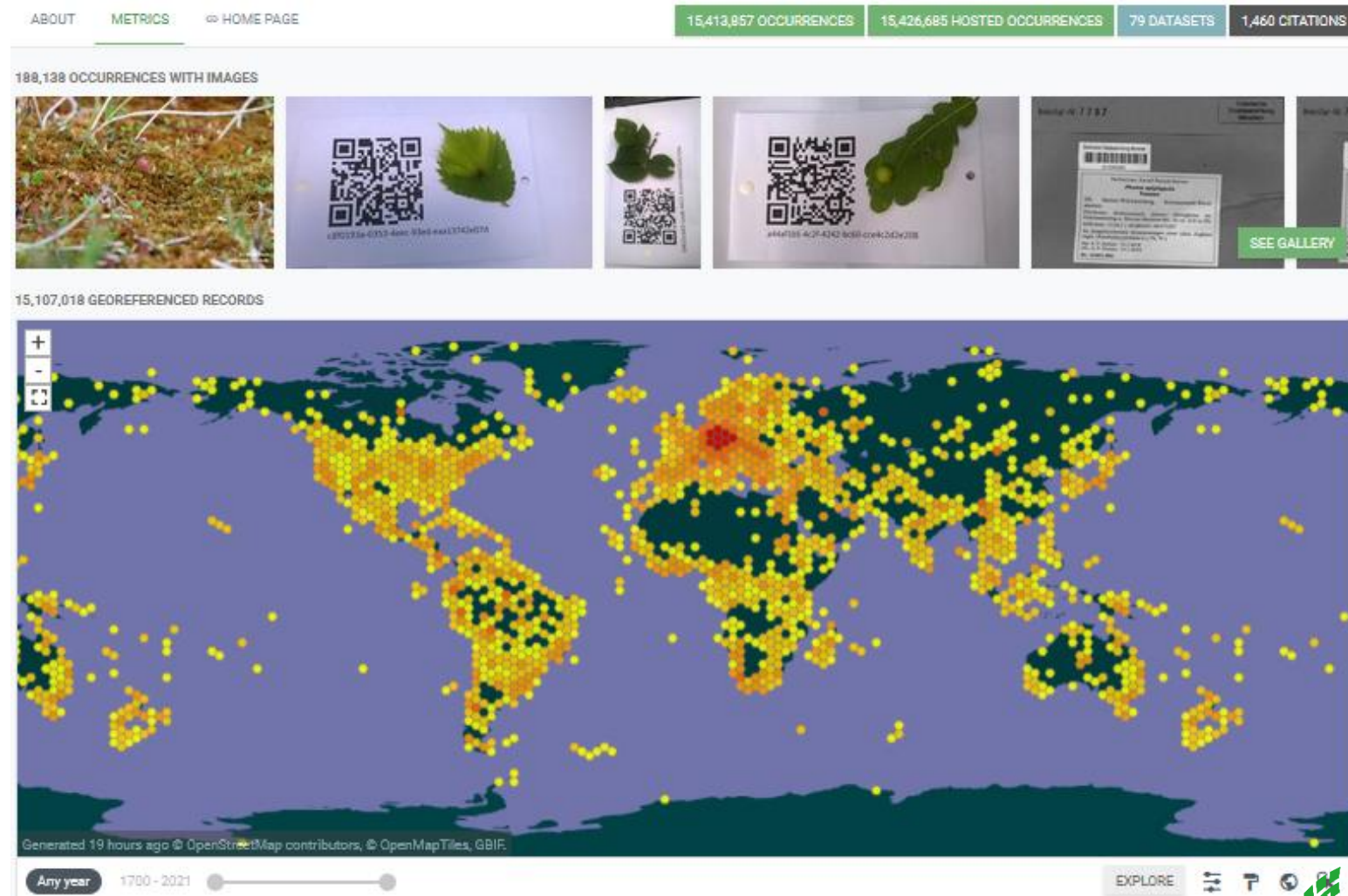
Staatliche Naturwissenschaftliche Sammlungen Bayerns

SNSB IT Center  
Technical point of contact

Dagmar Triebel  
Administrative point of contact

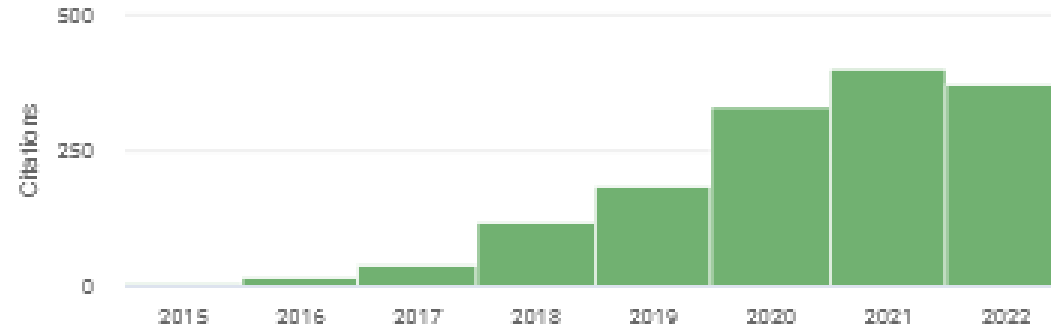
# SNSB Data Publication at GBIF Portal

Staatliche Naturwissenschaftliche Sammlungen Bayerns



# SNSB Data Publication at GBIF Portal

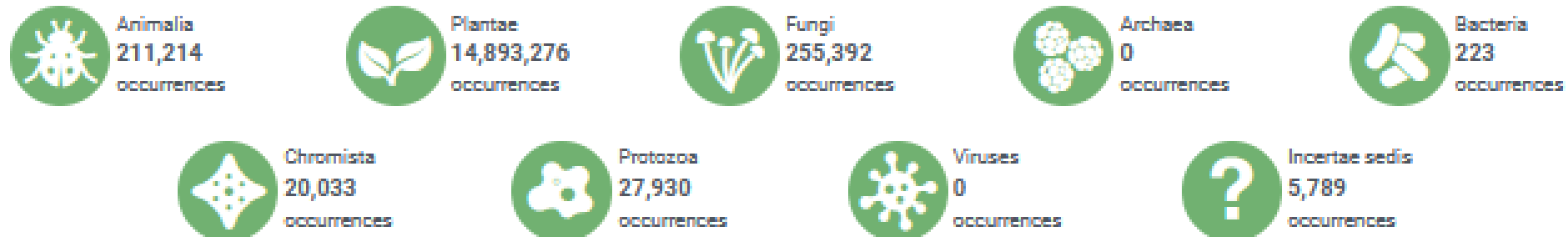
## CITATIONS



1460  
citations

[Read more about literature, how it's discovered and linked to GBIF-mediated data.](#)

## OCCURRENCES PER KINGDOM

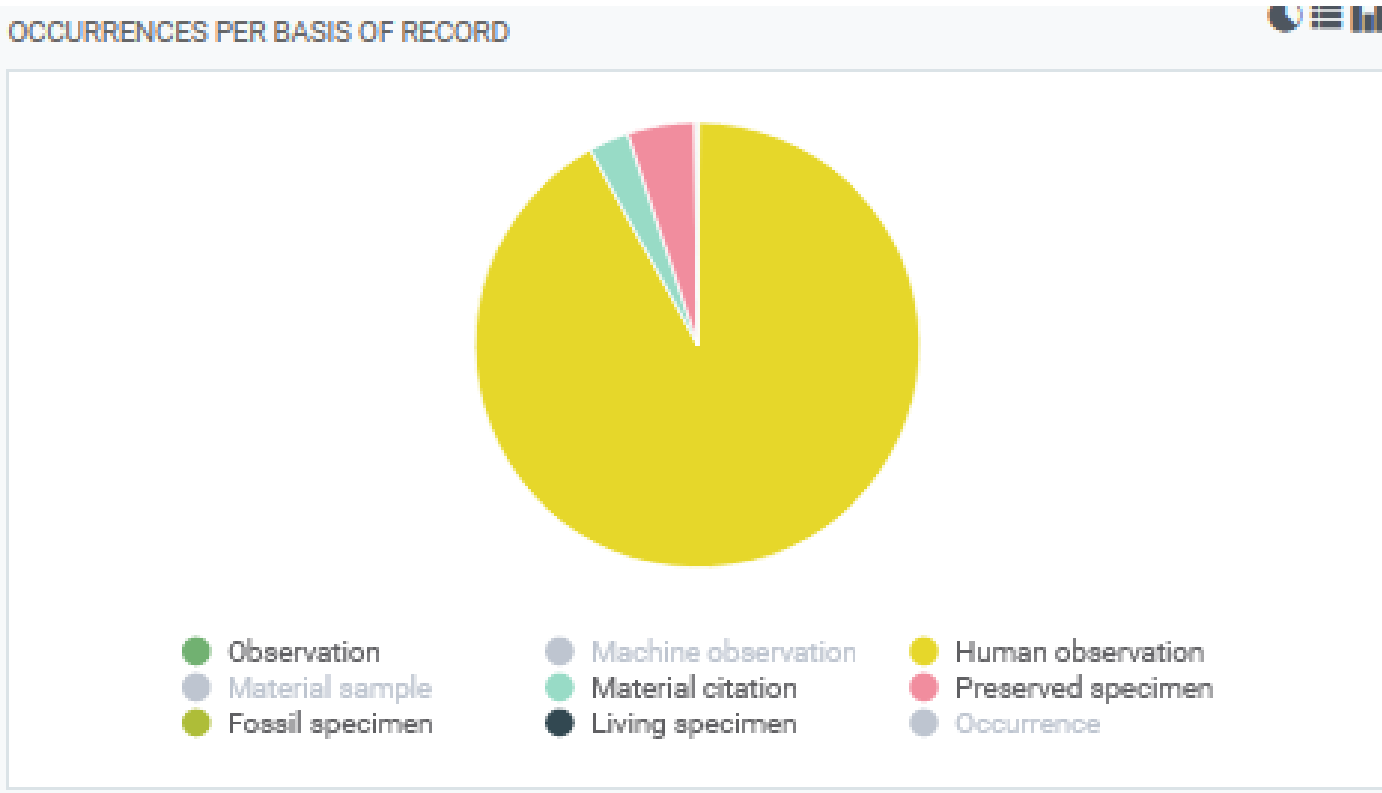


# SNSB Data Publication at GBIF Portal

The screenshot displays the GBIF portal interface. The top navigation bar includes links for 'Get data', 'How-to', 'Tools', 'Community', and 'About', along with a search icon, a language selector, and a 'Login' button. The left sidebar shows the 'Datasets' section with a search bar and filters for 'Publisher', 'Host', 'Publishing country or area', 'Project', and 'Licence'. The 'Publisher' filter is set to 'Staatliche Naturwissenschaftliche Sammlungen Bayerns'. The main content area shows 'SEARCH DATASETS | 47 RESULTS' with tabs for 'ALL', 'OCCURRENCE', 'CHECKLIST', 'SAMPLING EVENT', and 'METADATA'. Three datasets are listed:

- Floristic records from survey studies of the Bayerisches Landesamt für Umwelt**  
Occurrence dataset  
URL: [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  
7.549.013 occurrences | 256 citations
- Occurrence Data of Vascular Plants collected or compiled for the Flora of Bavaria**  
Occurrence dataset  
URL: [https://wiki.bayernflora.de/web/Flora\\_of\\_Bavaria\\_%E2%94%80\\_occurrence\\_data\\_online](https://wiki.bayernflora.de/web/Flora_of_Bavaria_%E2%94%80_occurrence_data_online)  
Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns  
6.929.847 occurrences | 460 citations
- IBF Monitoring of Vascular Plants**  
Occurrence dataset  
URL: <http://www.diversitymobile.net/wiki/IBFplantscoll>About>  
Published by Staatliche Naturwissenschaftliche Sammlungen Bayerns  
198.240 occurrences | 334 citations

# SNSB Data Publication at GBIF Portal



OCCURRENCES PER COUNTRY OR AREA

Country or area	Count	
Germany	15,140,276	
Brazil	22,825	
Austria	18,173	
Italy	10,852	
South Africa	8,782	
United States of America	7,783	
Czechia	7,041	
Switzerland	6,306	
Australia	6,088	
France	5,631	



# Dataflow of occurrence data

