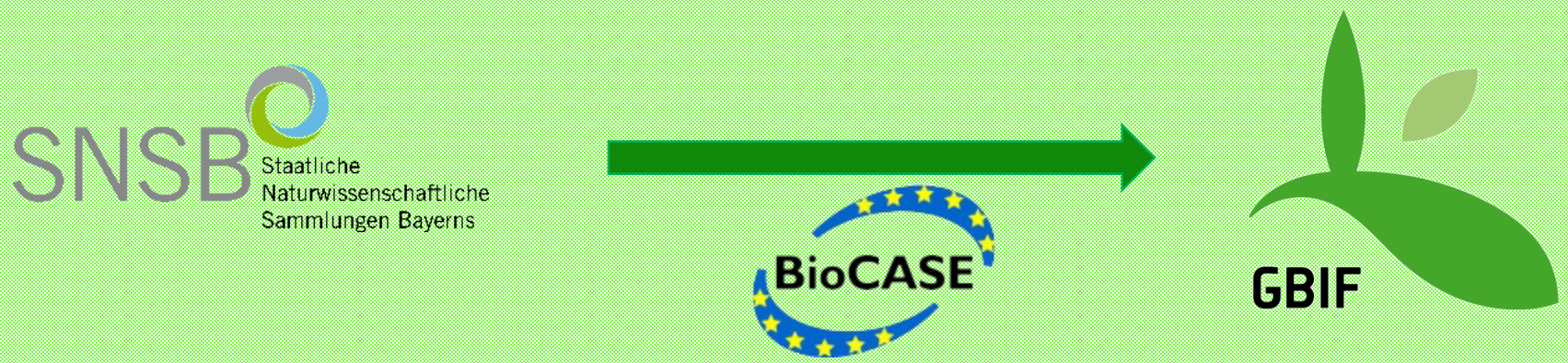
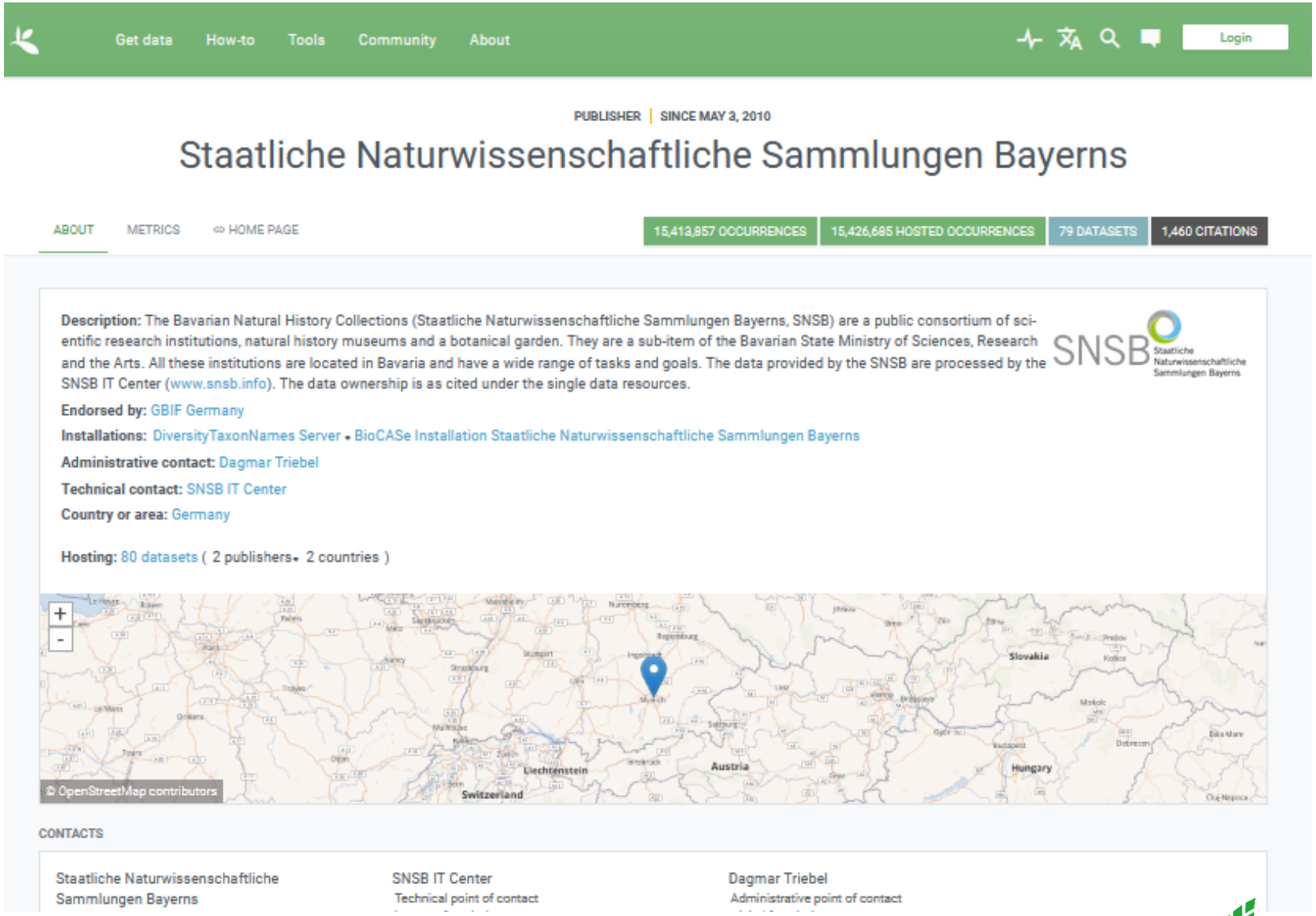
SNSB as GBIF data publisher with DWB-BioCASe data publication pipelines

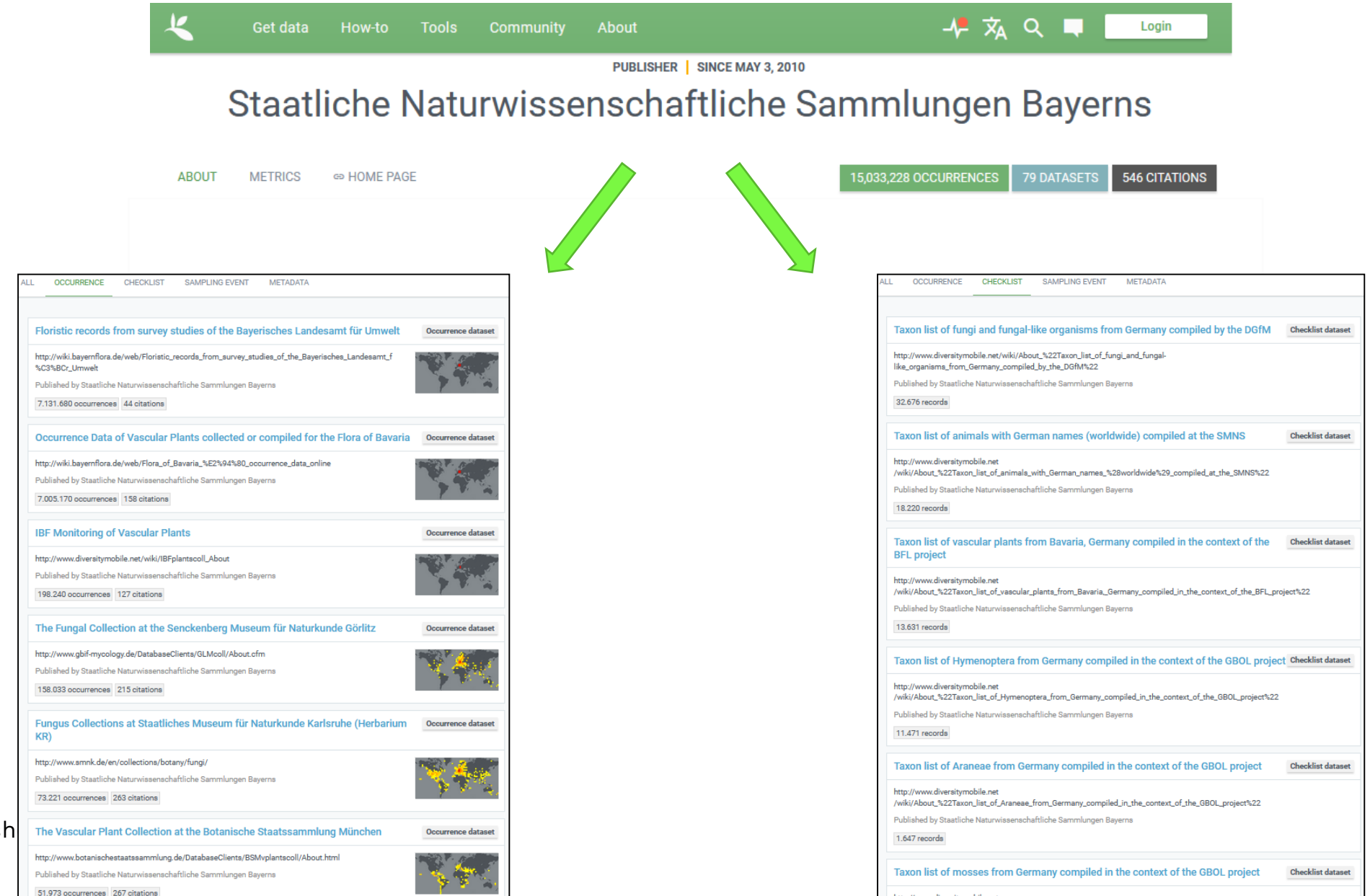


28.10.2022

SNSB Data Publication at GBIF Portal

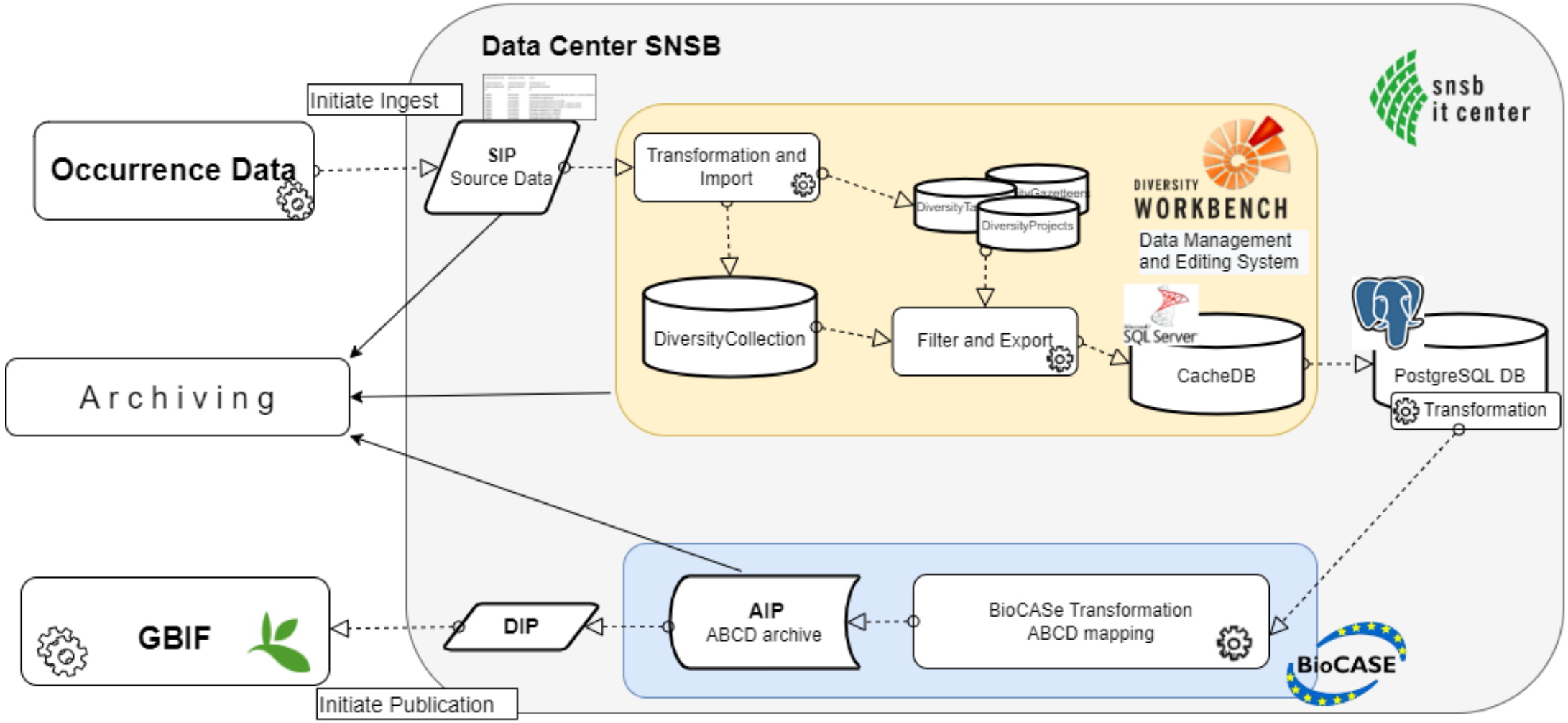


SNSB Data Publication at GBIF Portal

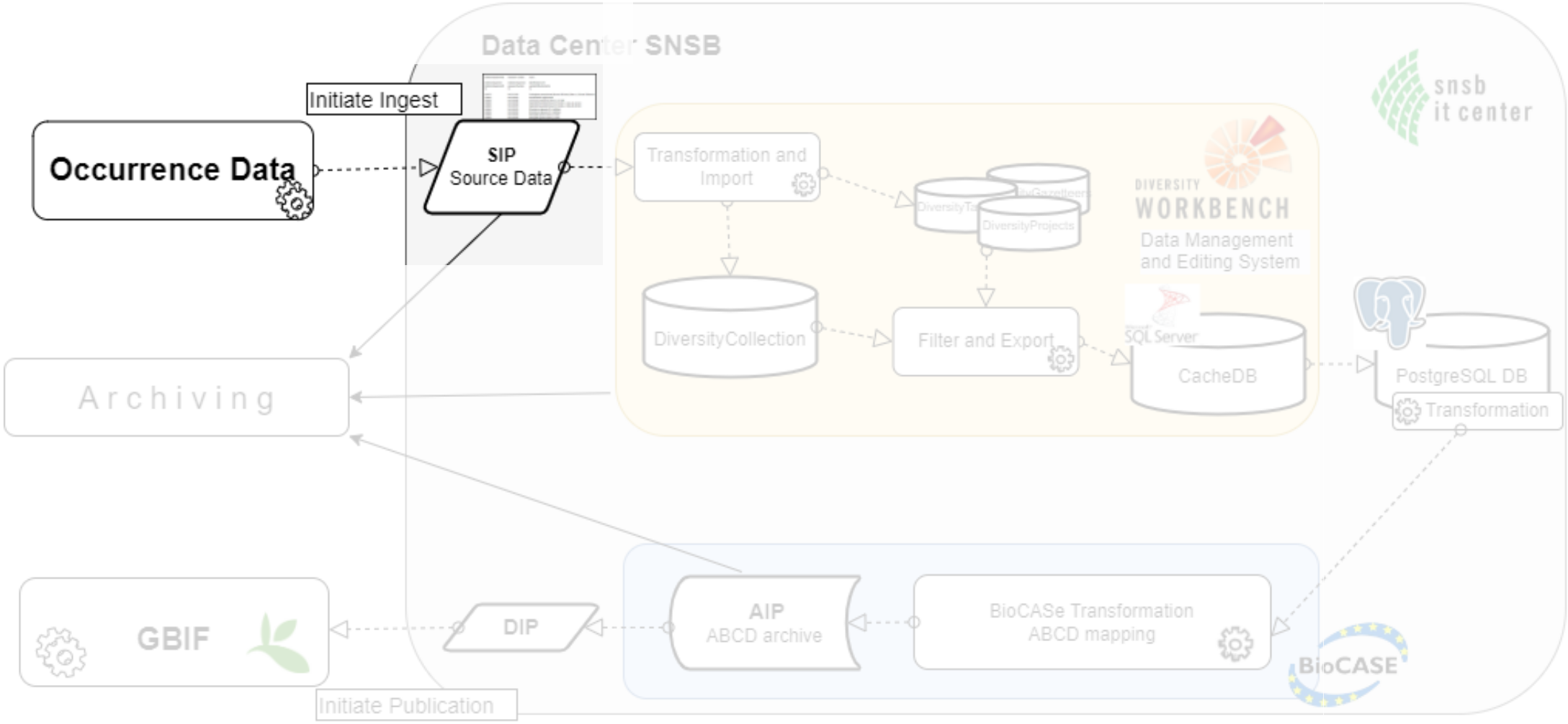


SNSB Staatliche Naturwissenschaftliche Sammlungen Bayerns

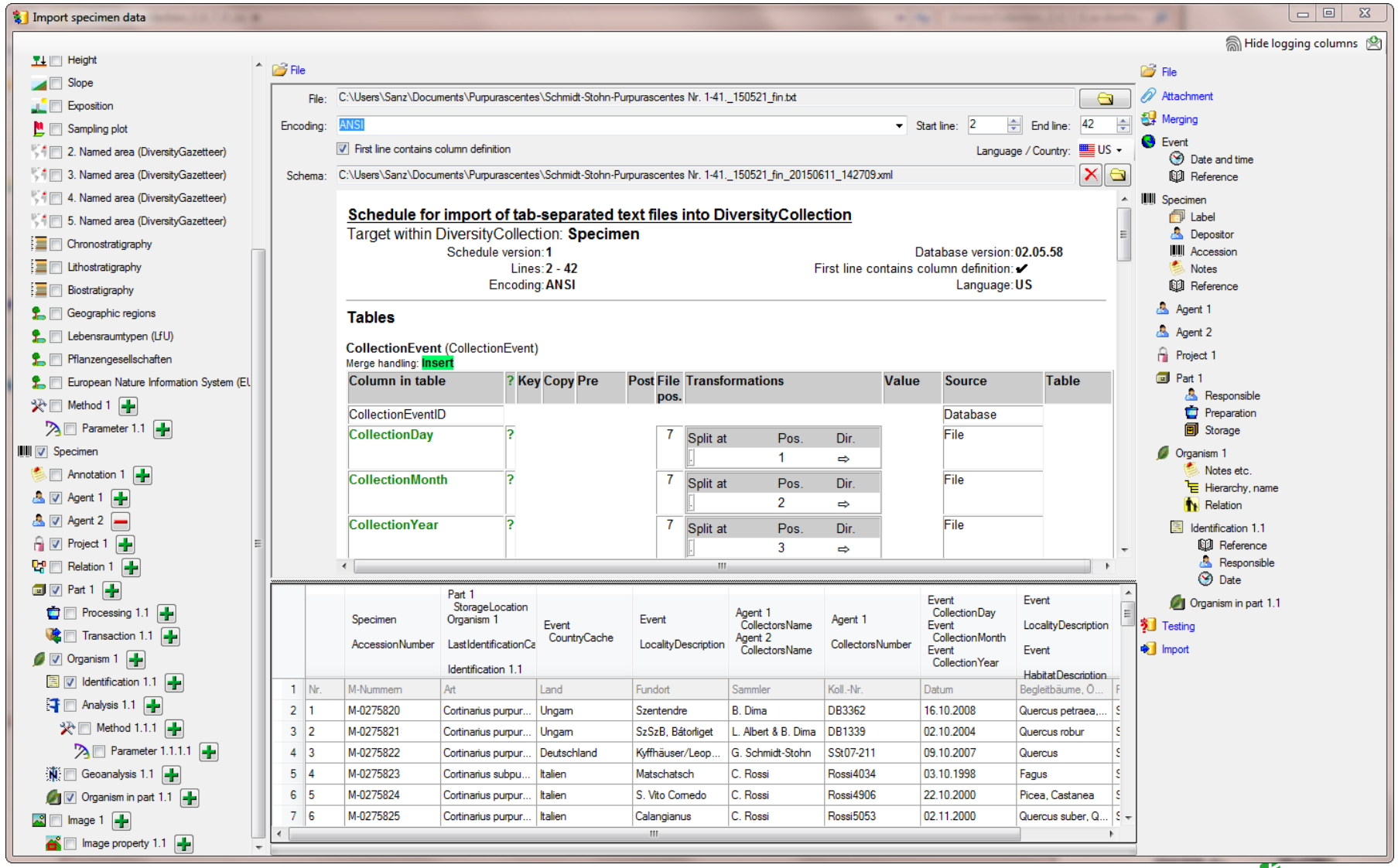
Dataflow of occurrence data



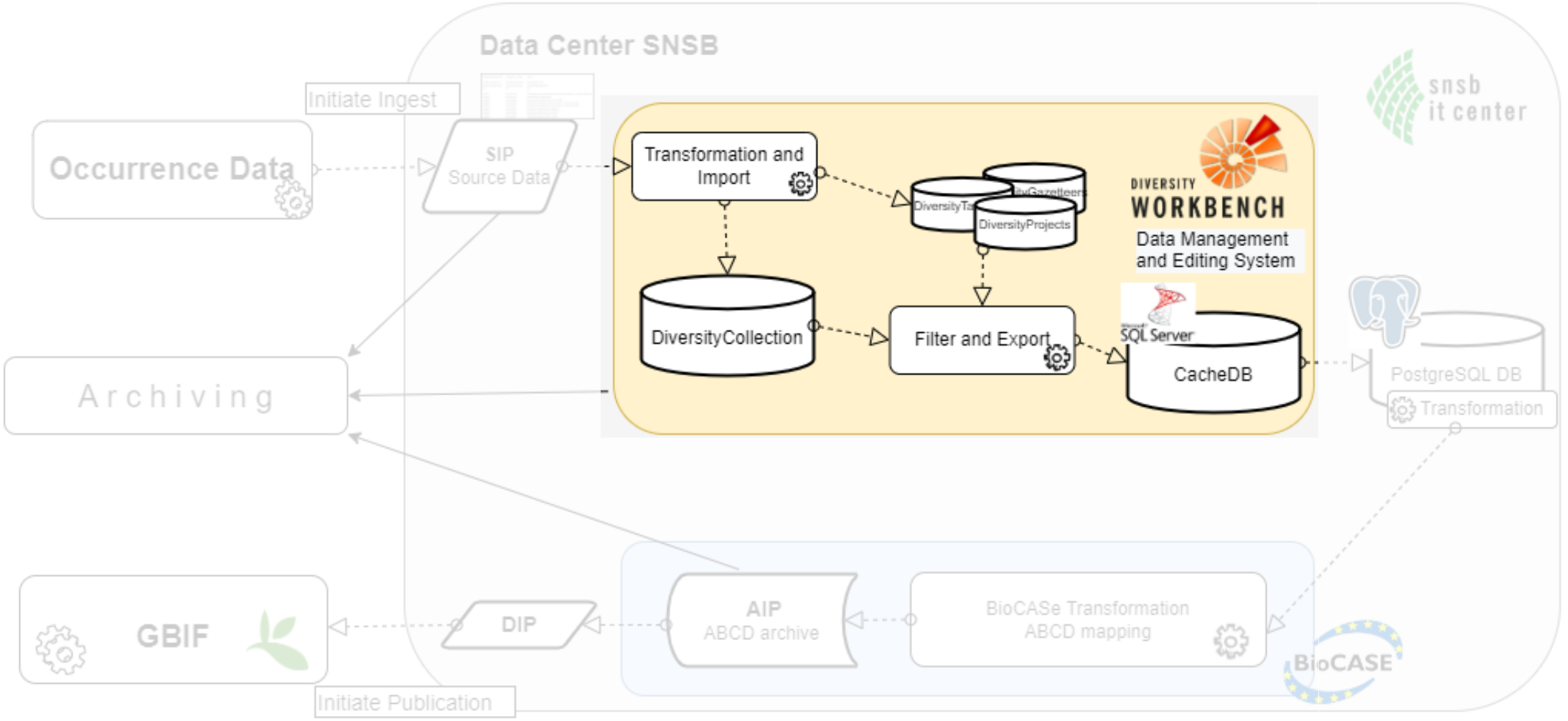
Data Management System *Diversity Workbench*



Diversity Workbench Import Wizard



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

DiversityDescriptions Information Model (version 3.0.15, 11 July 2016)

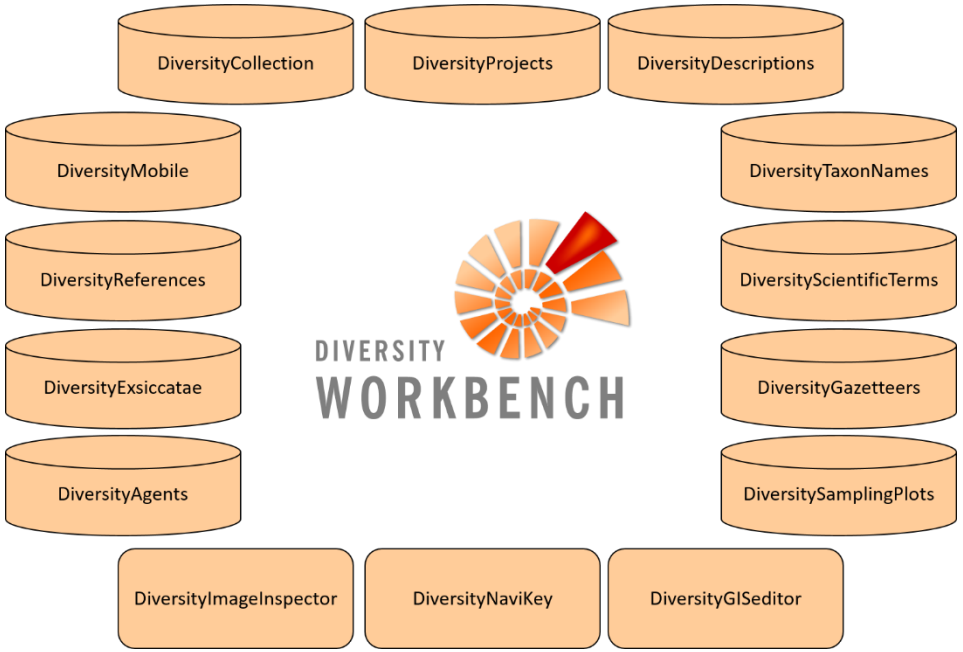
Authors	G. Hagedorn, A. Plank, A. Link, G. Rambold & D. Triebel 2016
License	
Suggested citation	G. Hagedorn, A. Plank, A. Link, G. Rambold & D. Triebel (2016). DiversityDescriptions information model (version 3.0.15). http://www.diversityworkbench.net
Notes	The models currently reside in MS SQL Server, so knowledge of some SQL Server ER-diagram conventions will be helpful. Besides the screen shots below, a Microsoft T-SQL-Script for the generation of the tables is provided

dwbD Database Scheme

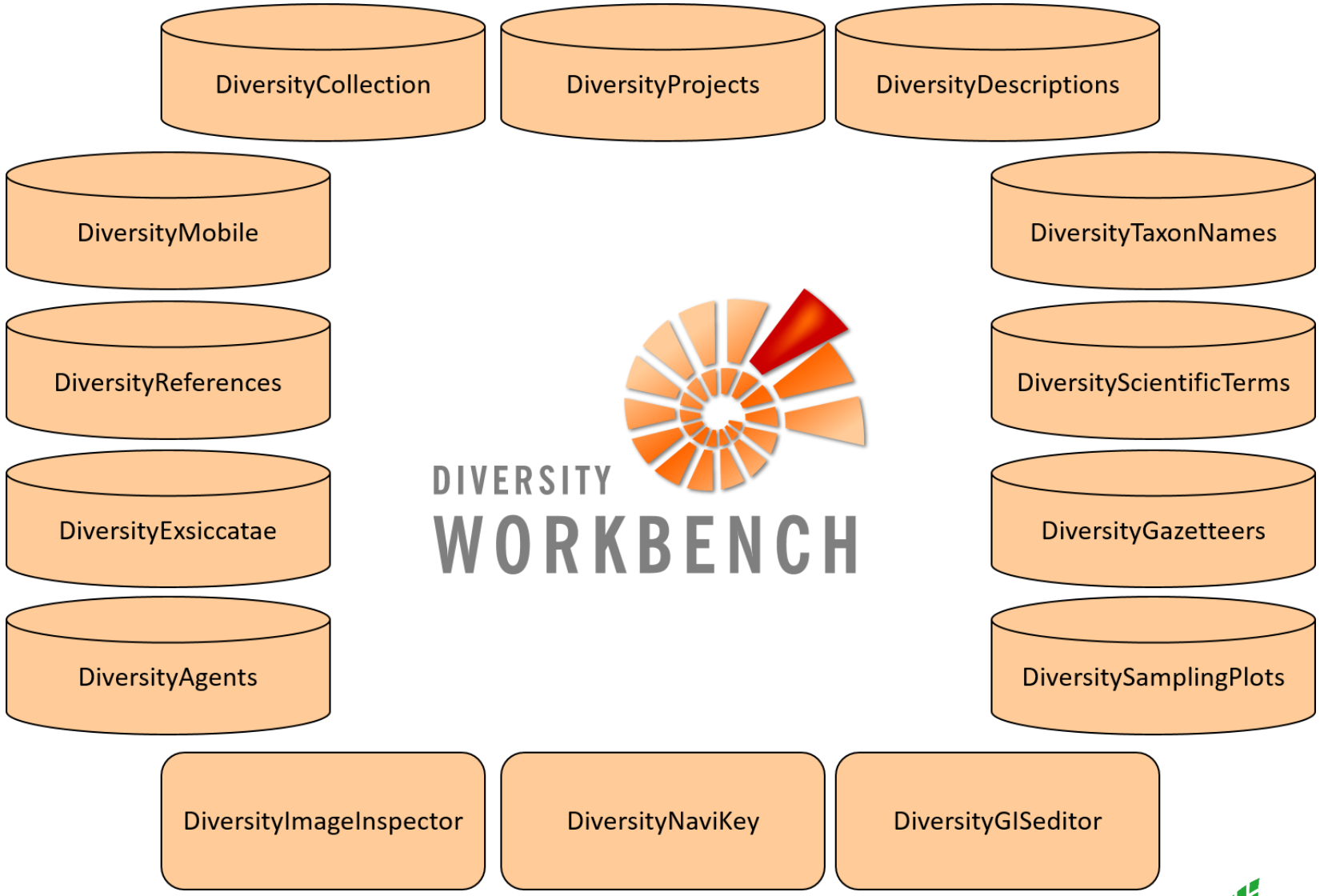
This information model is available as dwbD database scheme with each single data table and data column referenced as term or concept by its own stable and persistent URL.

ER Diagrams

Overview over all entities and relations used in the database model



DWB – a Set of Software Tools

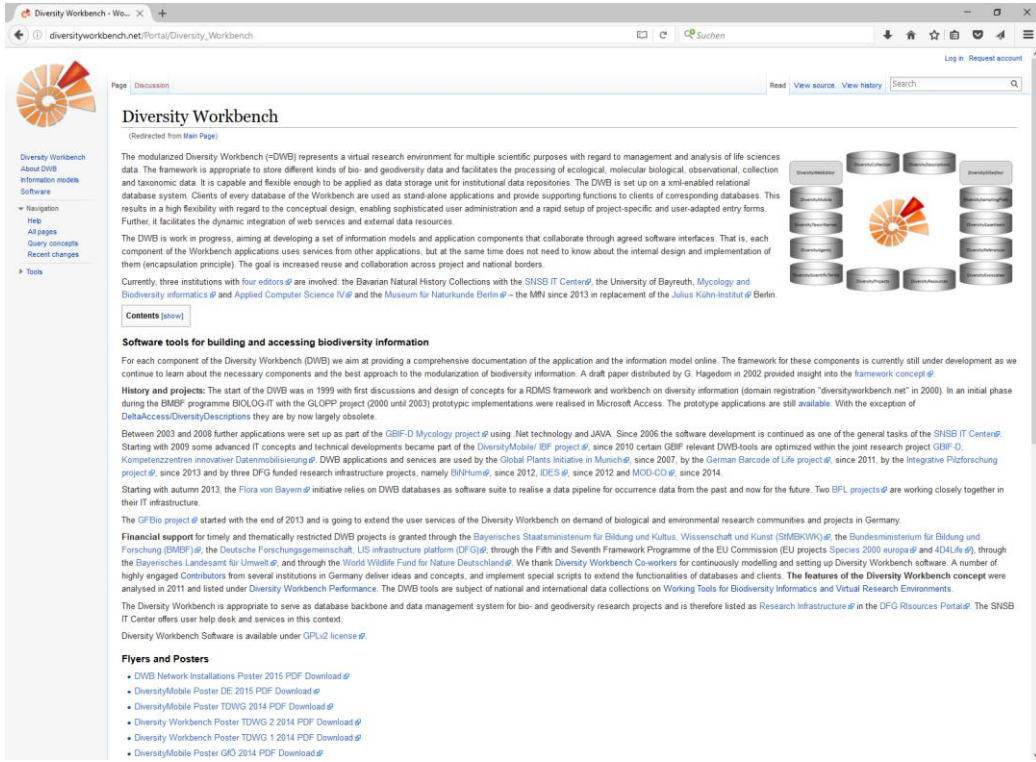


DWB – Agile Software Development

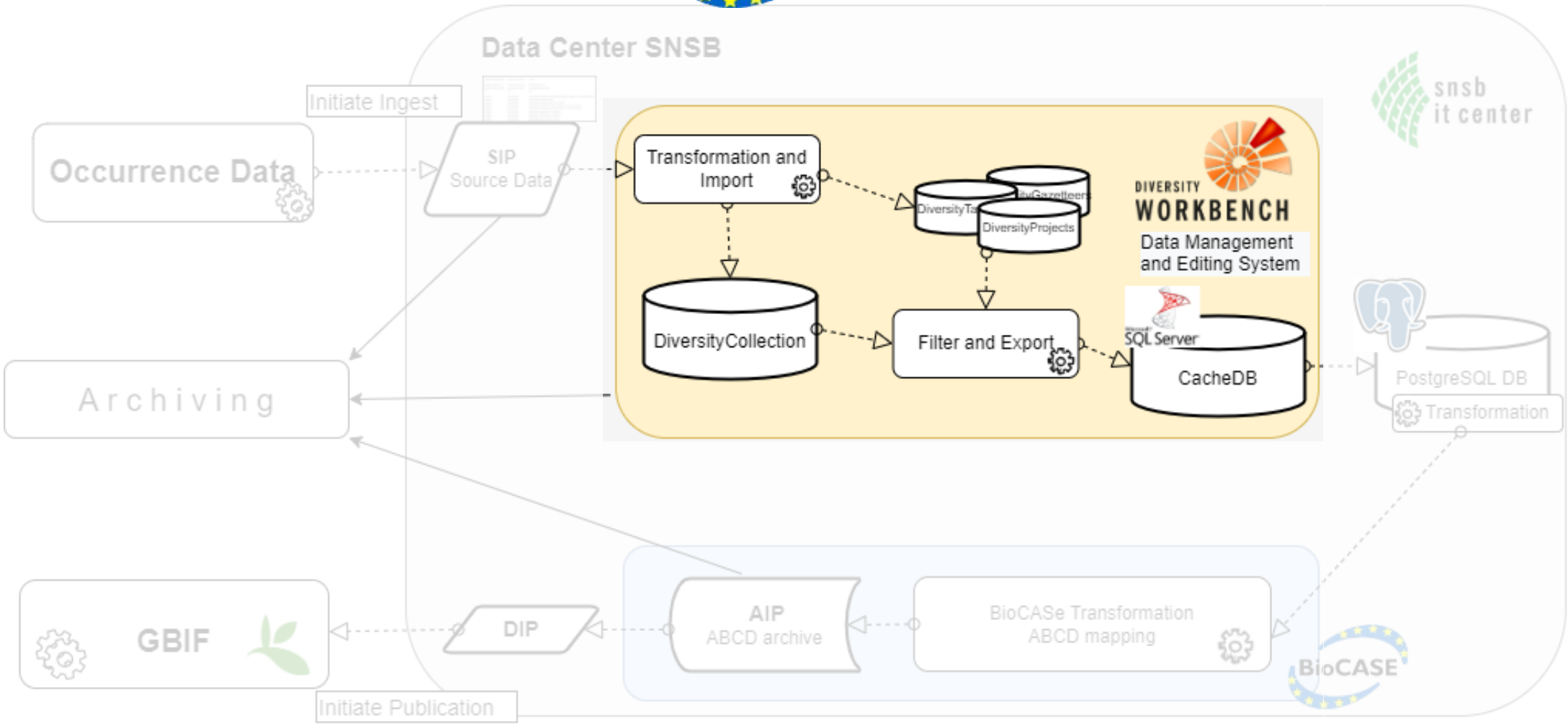
- …. for more than 20 years

- Software is open access - 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

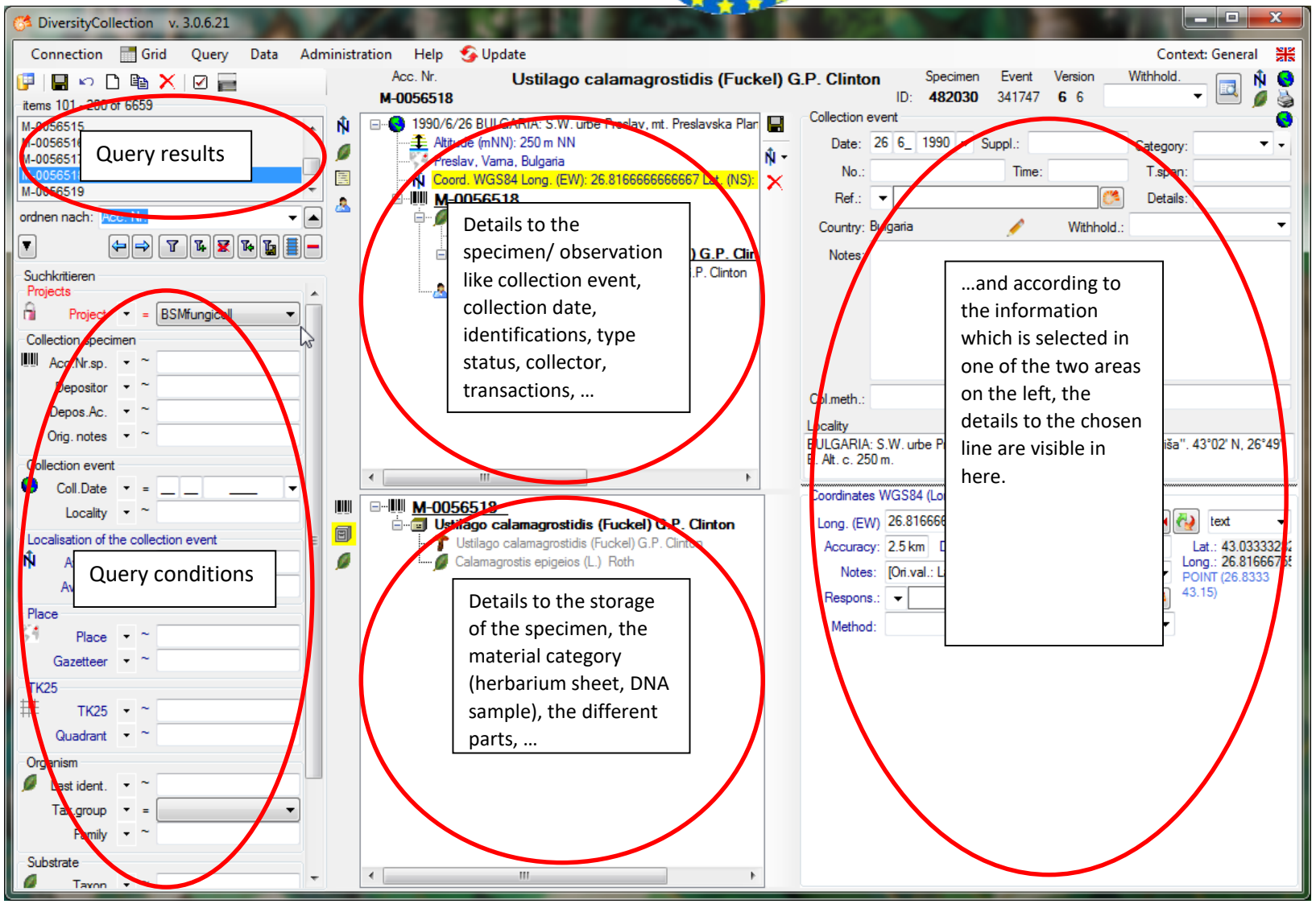
- Workshops since more than 15 years



Data Export: The DIVERSITY WORKBENCH - BioCASE -Pipeline



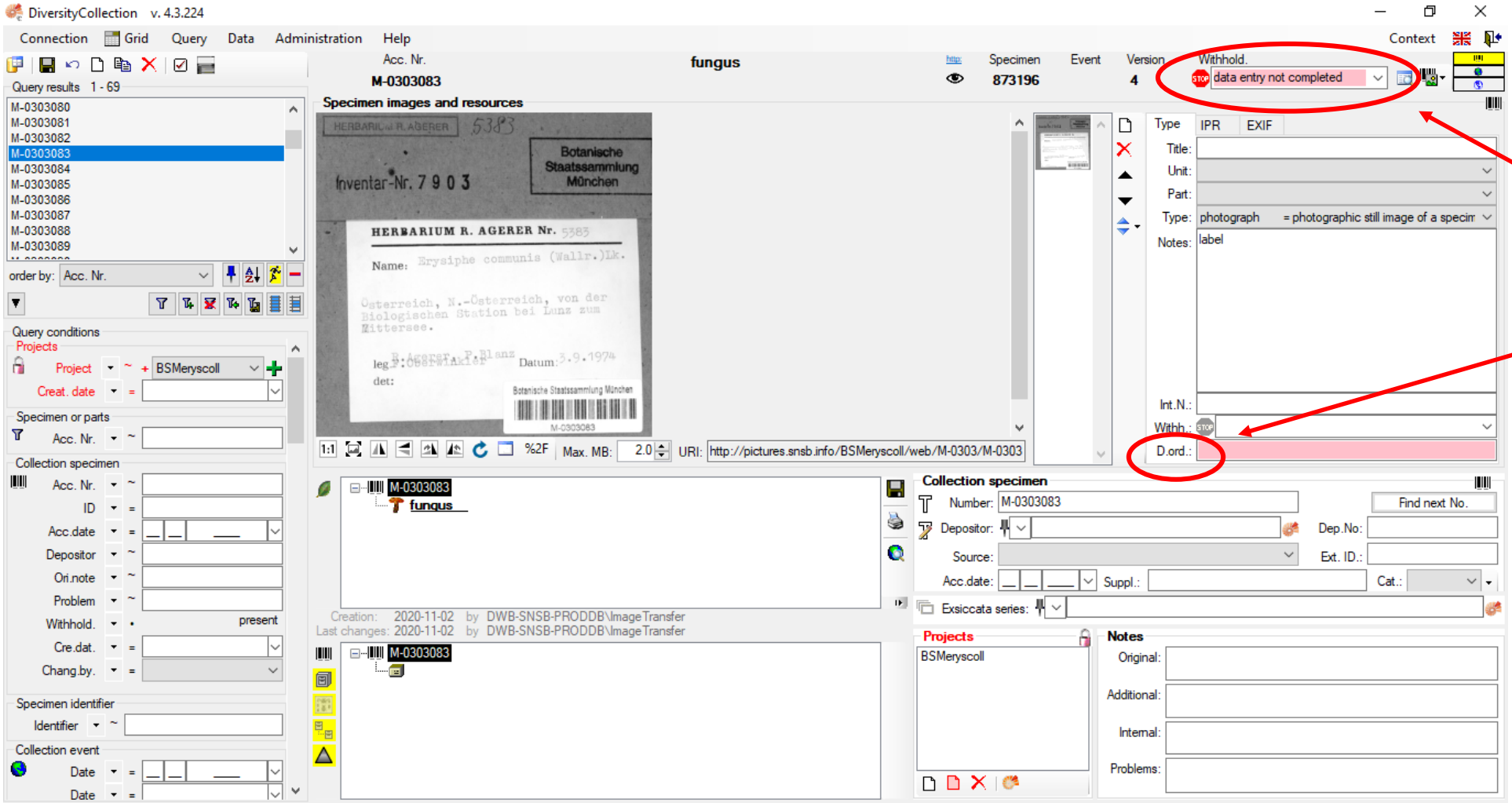
Data Export: The DIVERSITY WORKBENCH - BioCASE -Pipeline



snsb it center

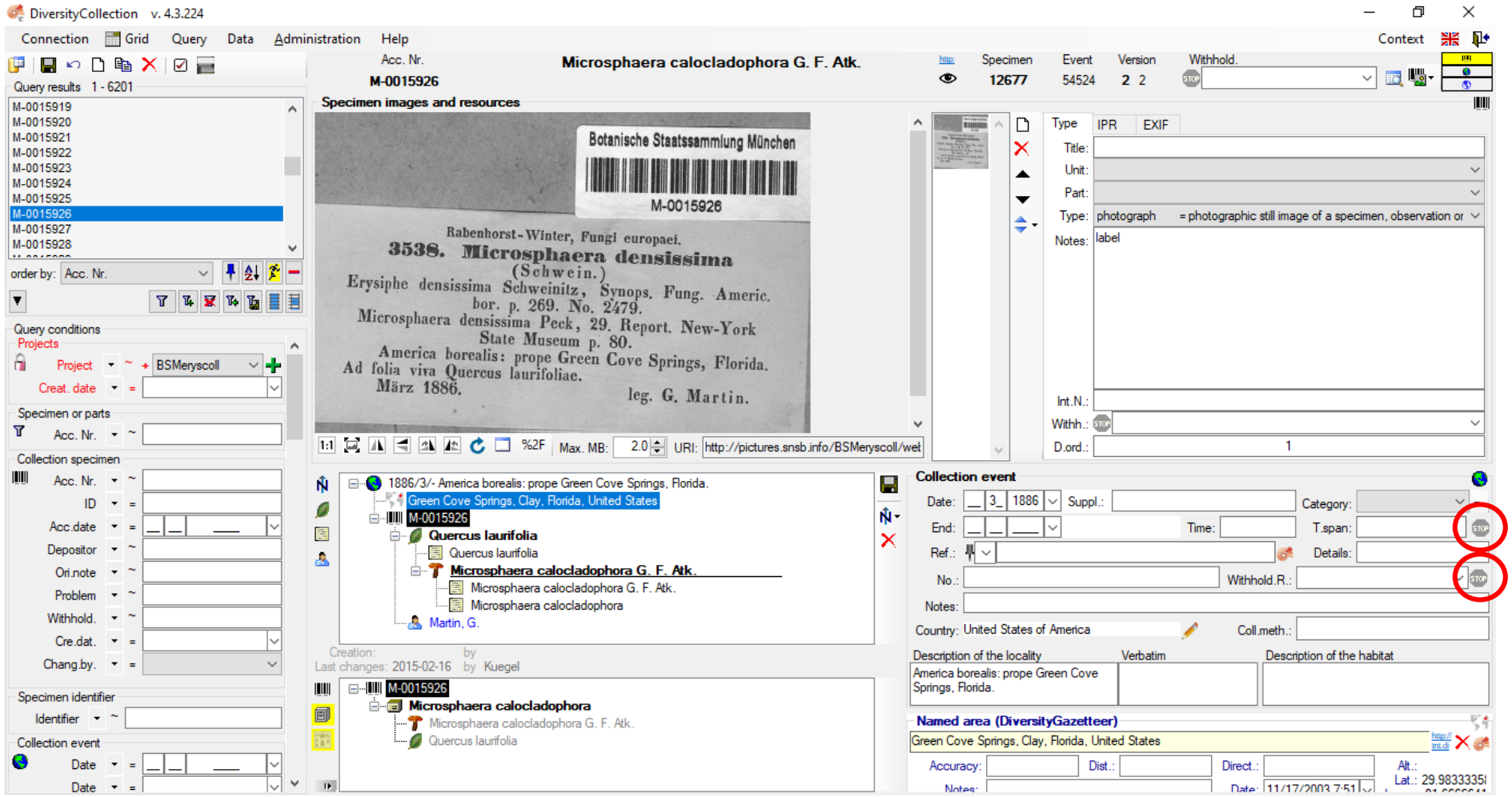
SNSB Staatliche Naturwissenschaftliche Sammlungen Bayerns

Data Export: The DIVERSITY WORKBENCH - BioCASE -Pipeline



Different withhold options available

Data Export: The DIVERSITY WORKBENCH - BioCASE -Pipeline



Different withhold options available

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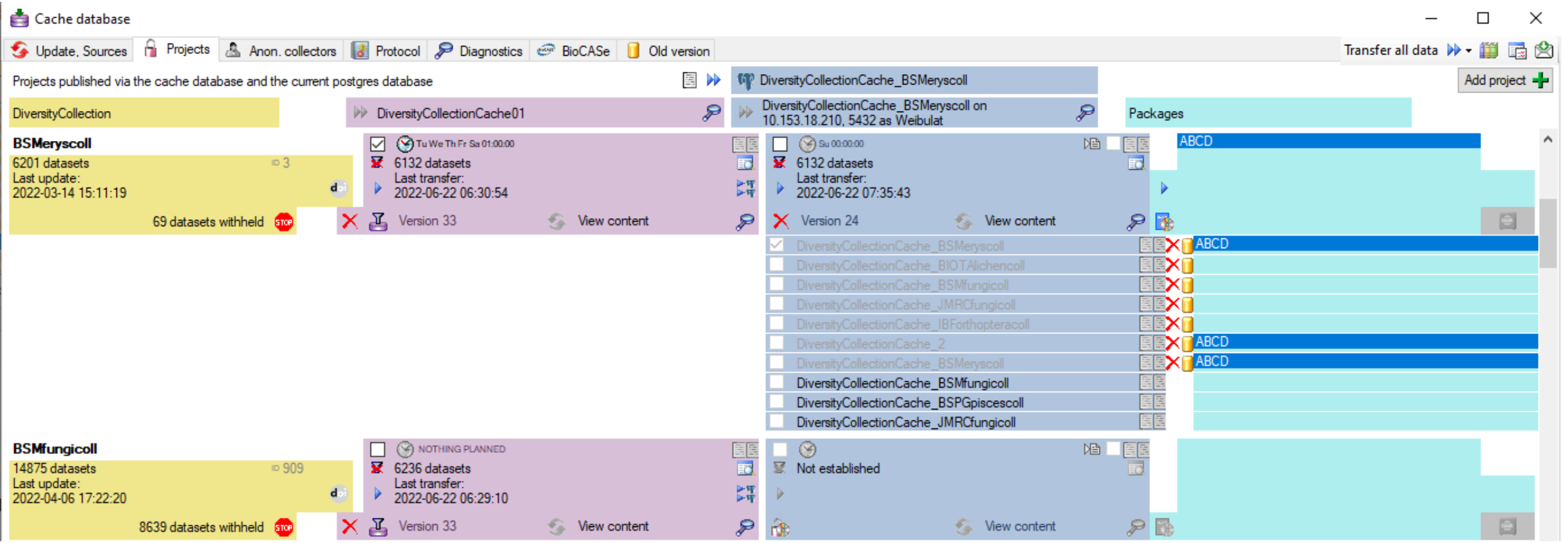
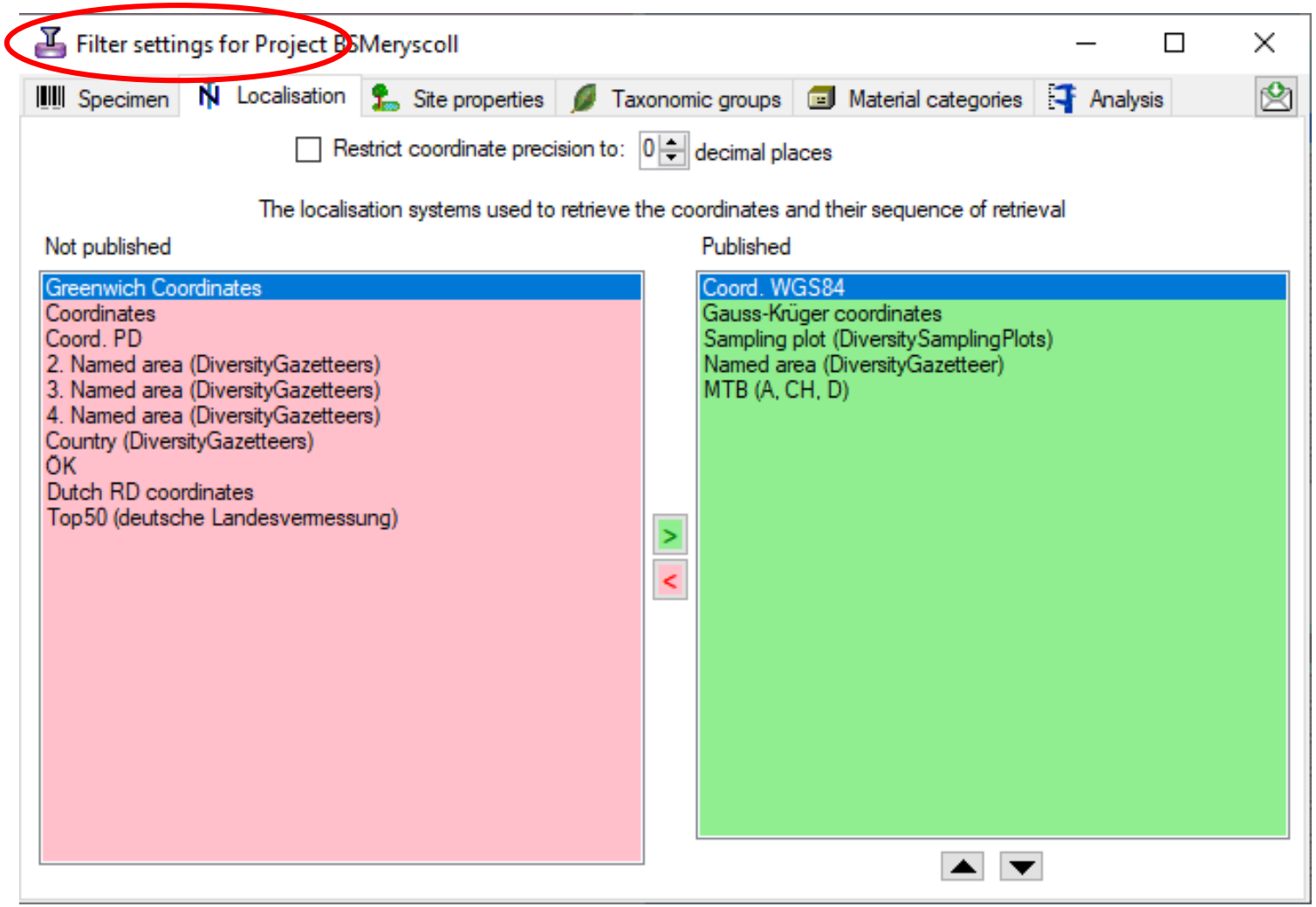
SNSB Staatliche Naturwissenschaftliche Sammlungen Bayerns

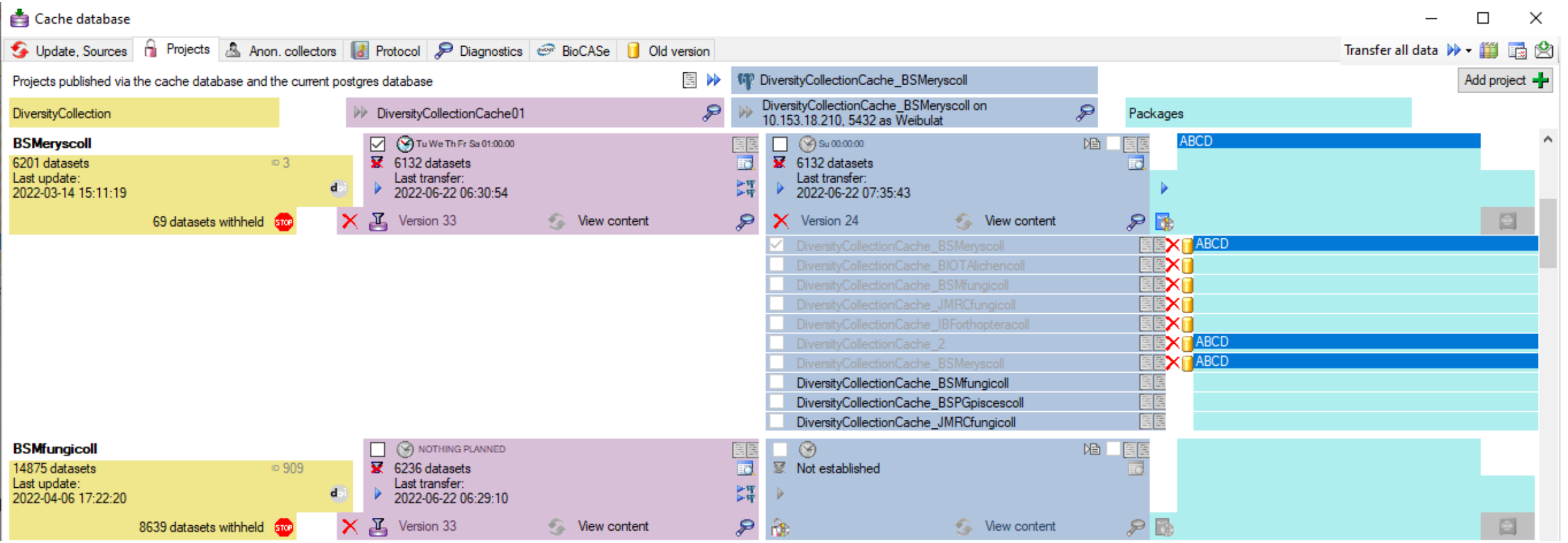
Data Export: The DIVERSITY WORKBENCH - BioCASE -Pipeline



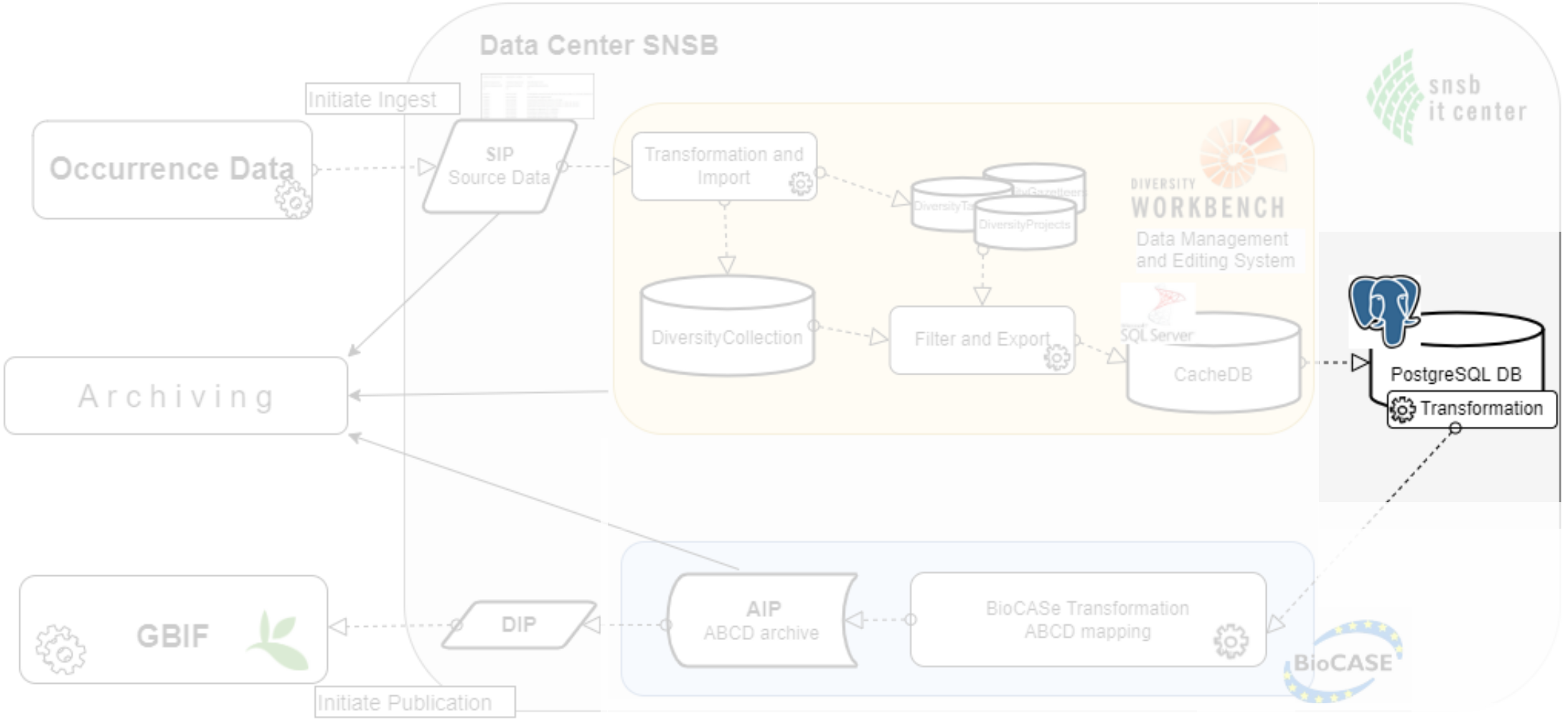
Data Export: The DIVERSITY WORKBENCH - BioCASE -Pipeline



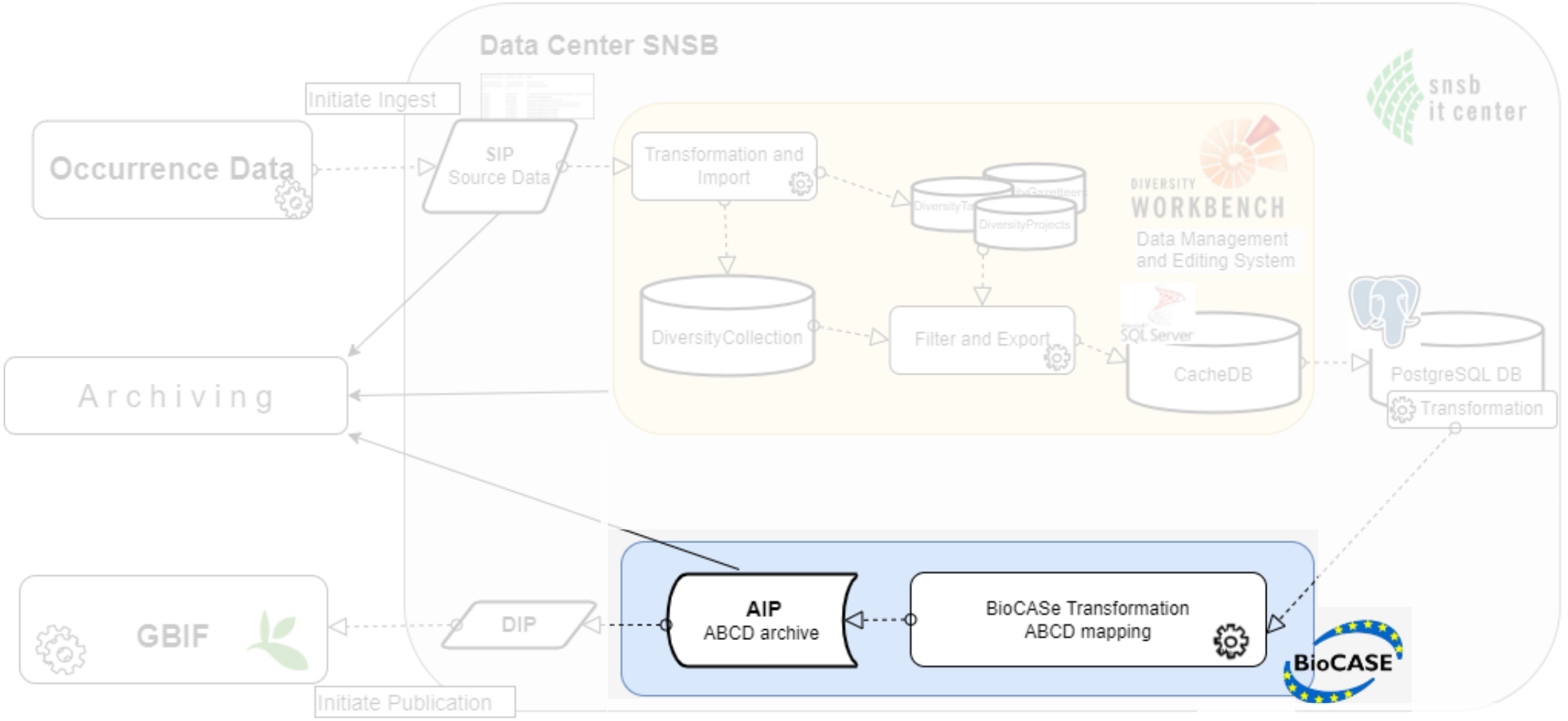
Data Export: The DIVERSITY WORKBENCH - BioCASE -Pipeline



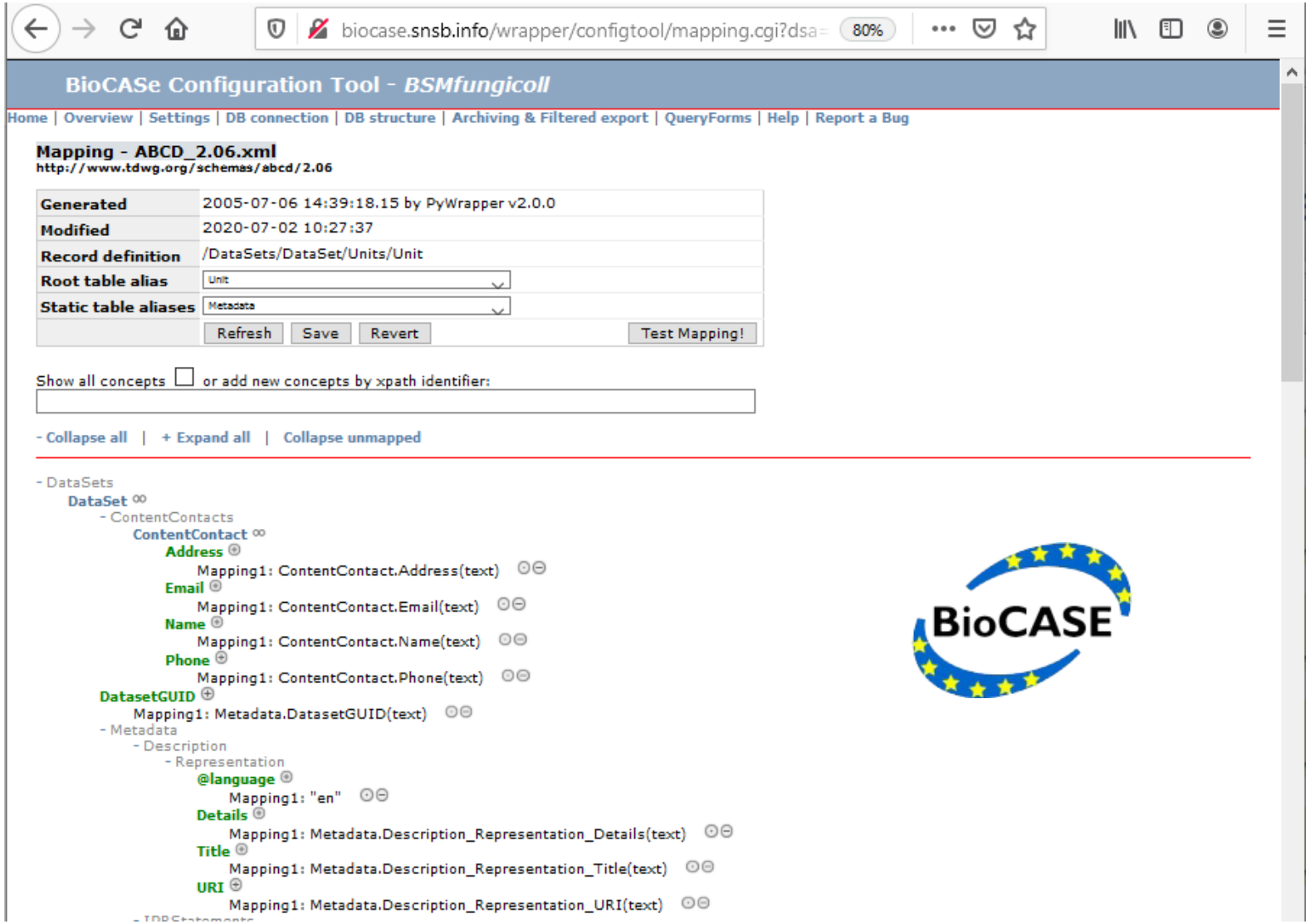
BioCASe Transformation / ABCD Mapping



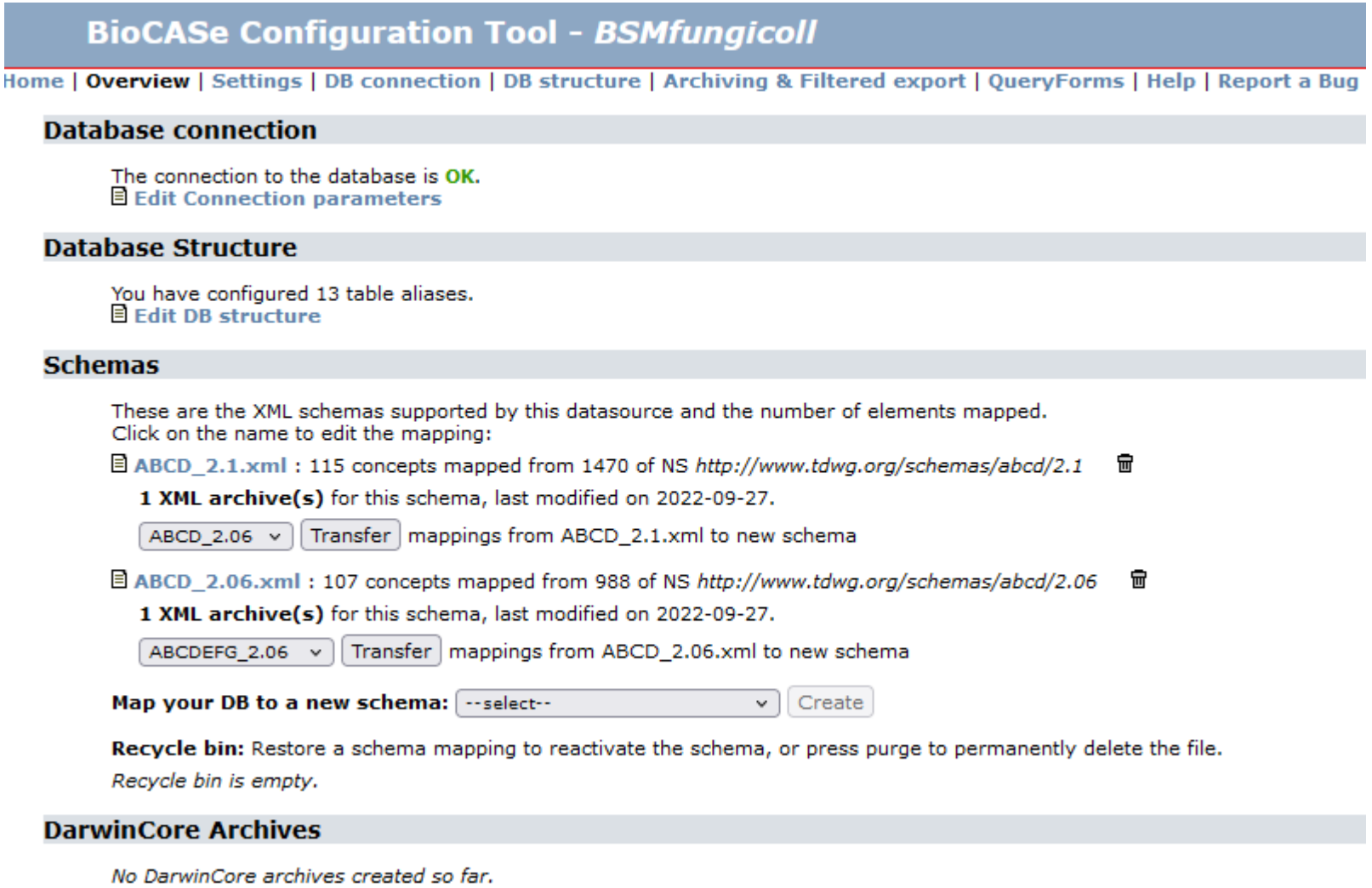
BioCASe Transformation / ABCD Mapping



BioCASe Provider Software



BioCASe Provider Software



BioCASe Provider Software

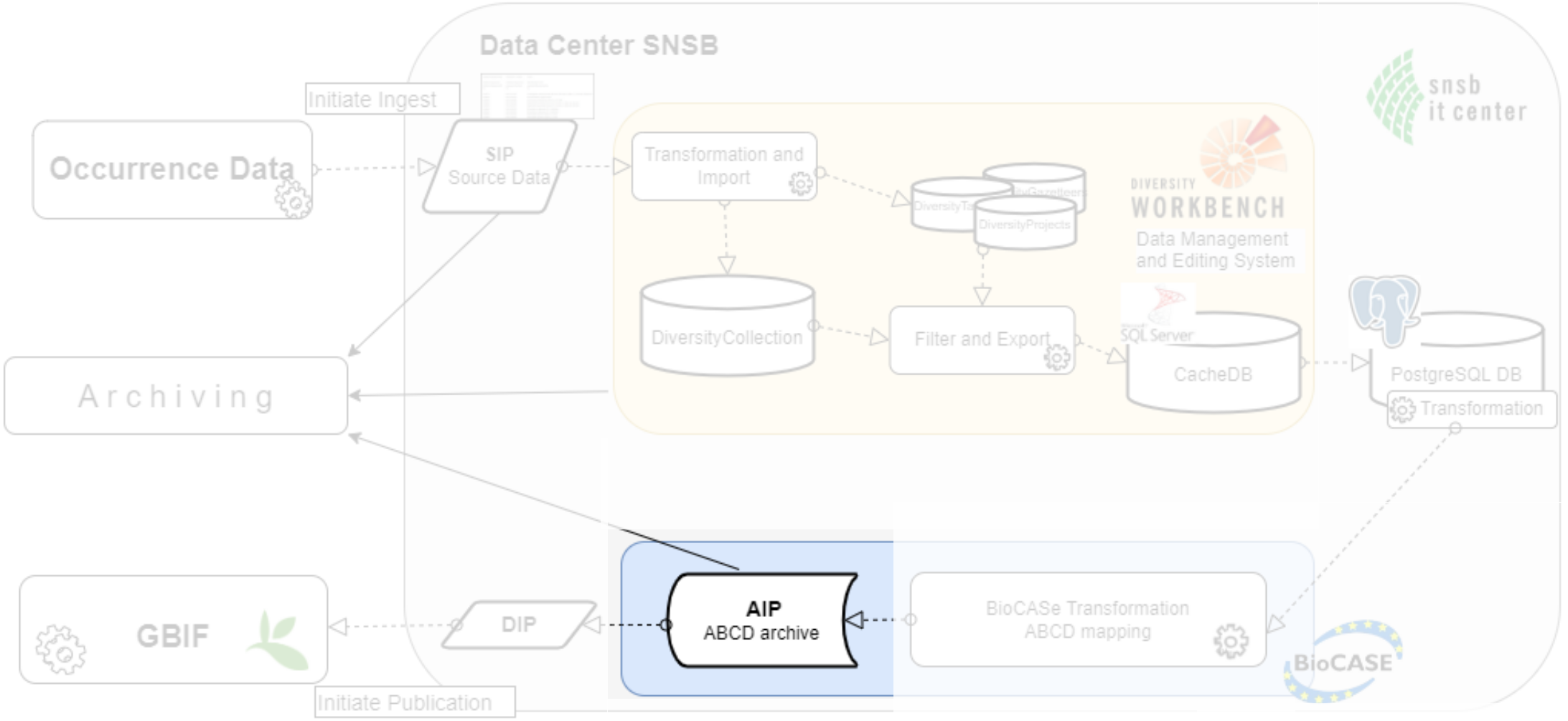
BioCASe Configuration Tool - *BSMfungicoll*

Home | Overview | Settings | DB connection | DB structure | **Archiving & Filtered export** | QueryForms | Help | Report a Bug

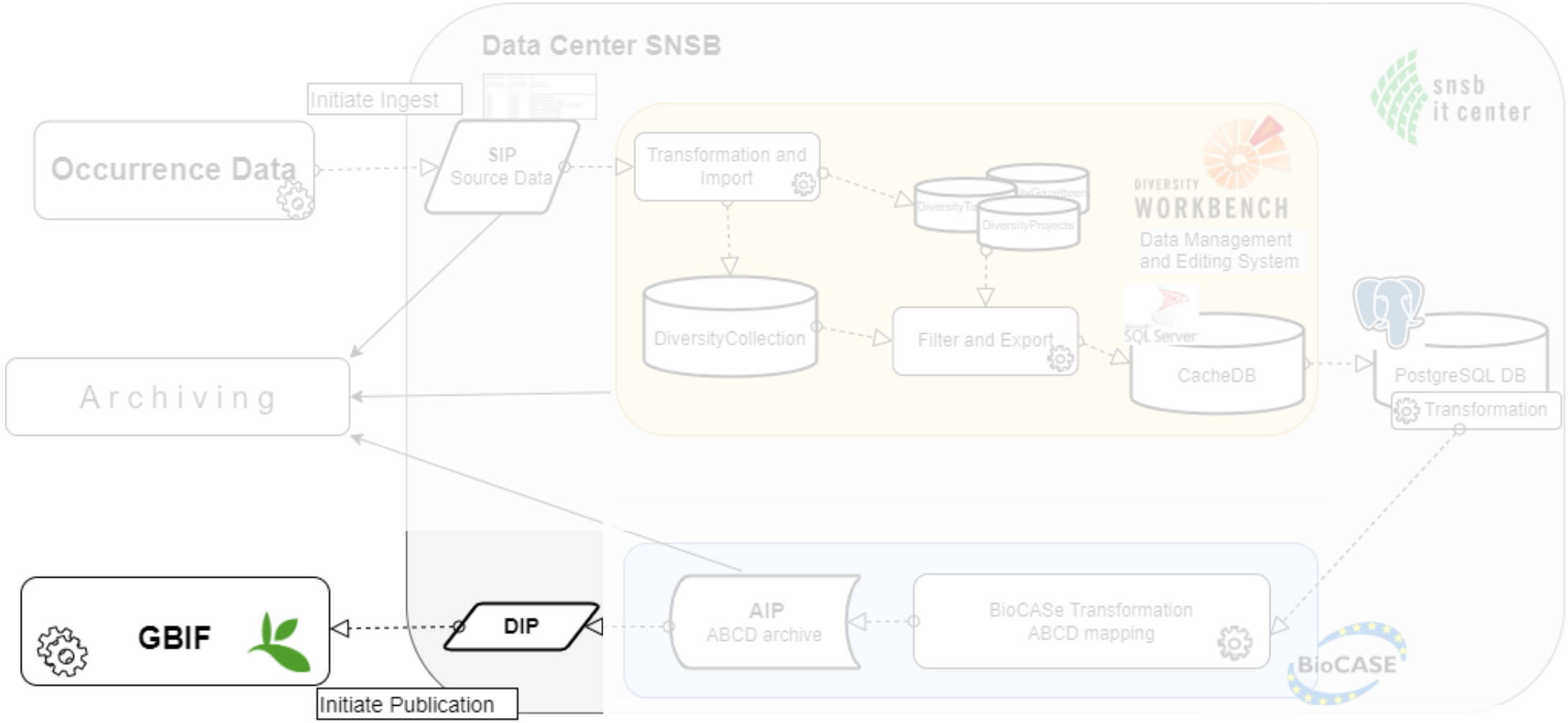
Existing Archives

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

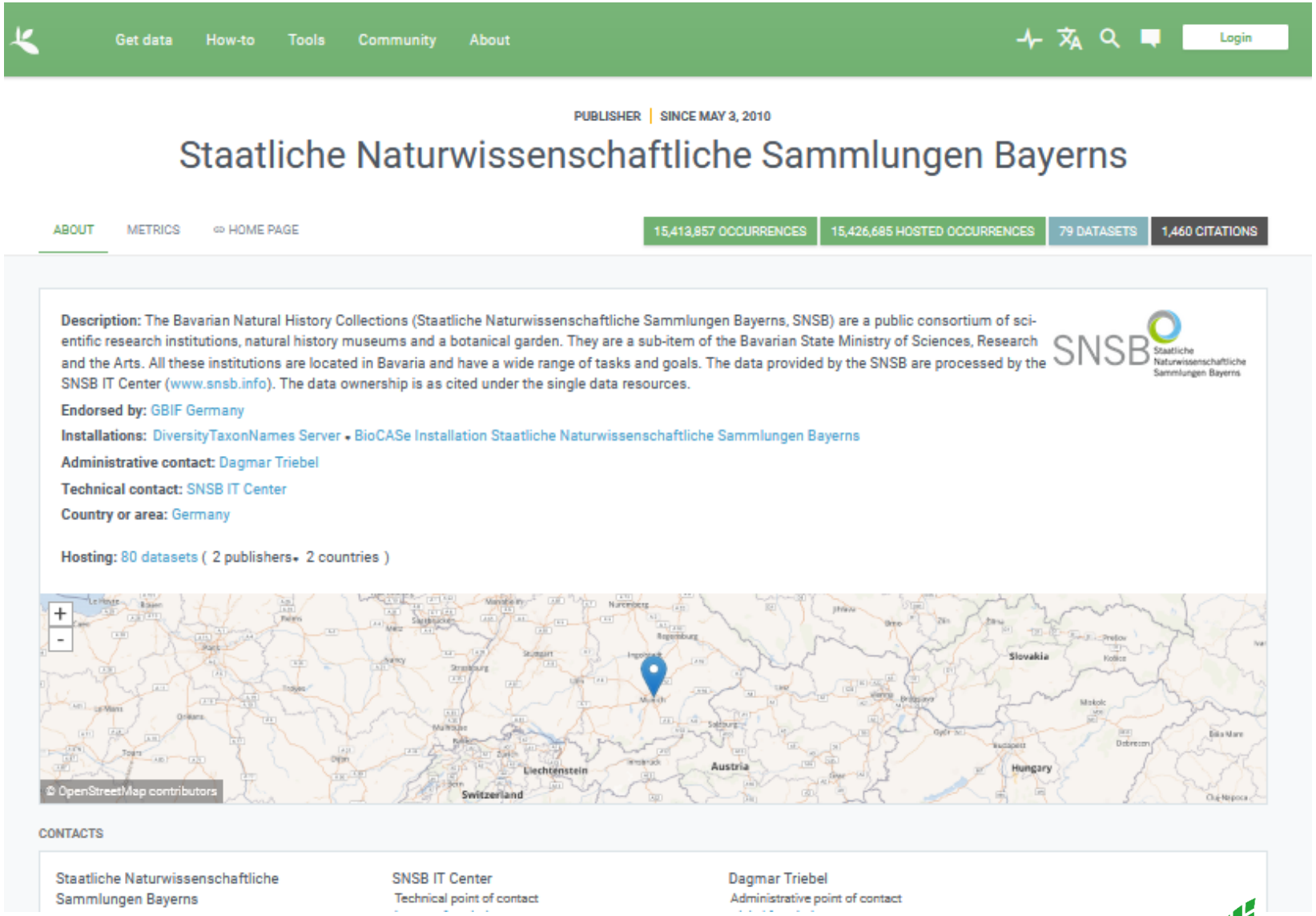
BioCASe Transformation / ABCD Mapping



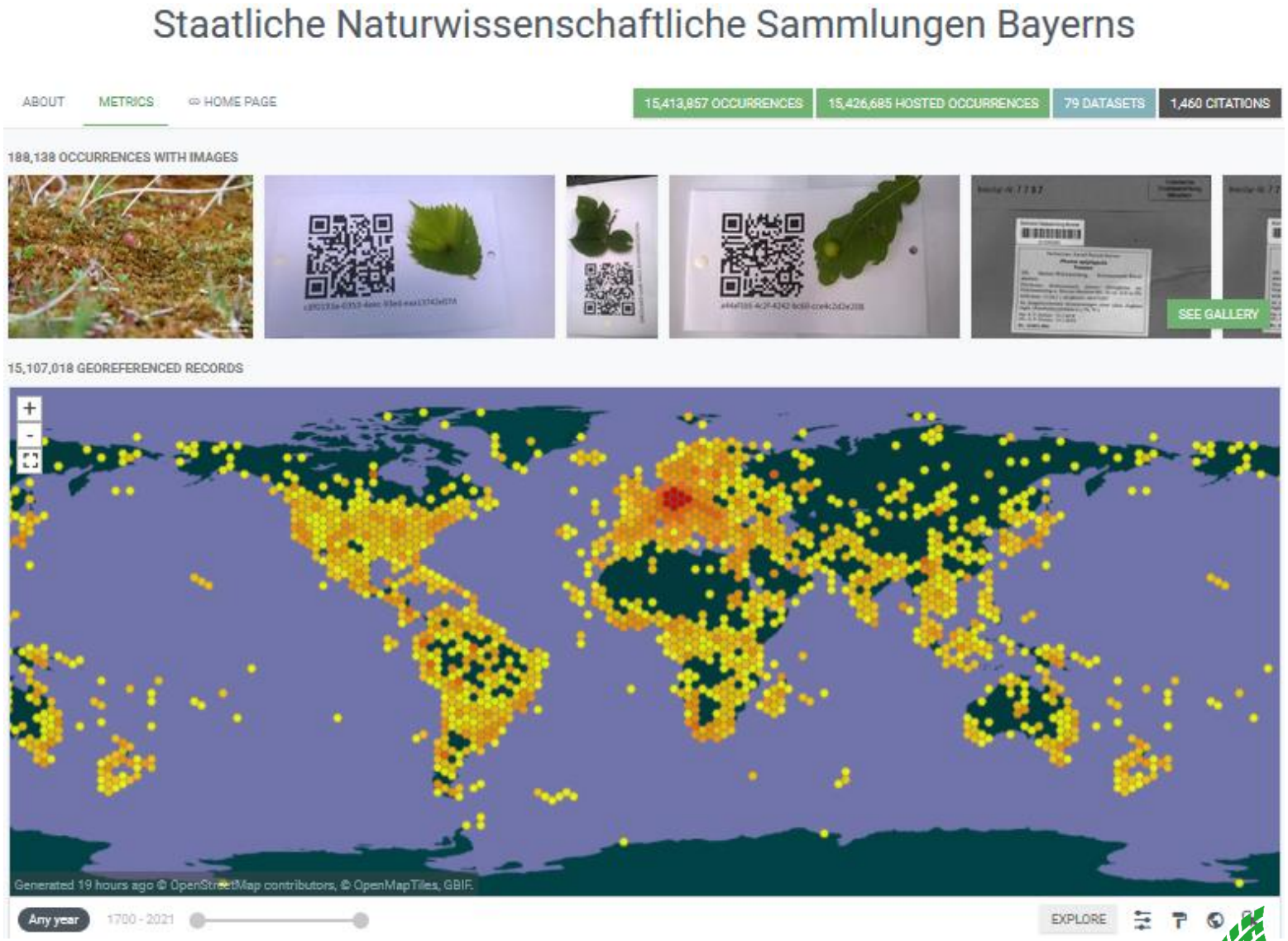
BioCASe Transformation / ABCD Mapping



SNSB Data Publication at GBIF Portal



SNSB Data Publication at GBIF Portal



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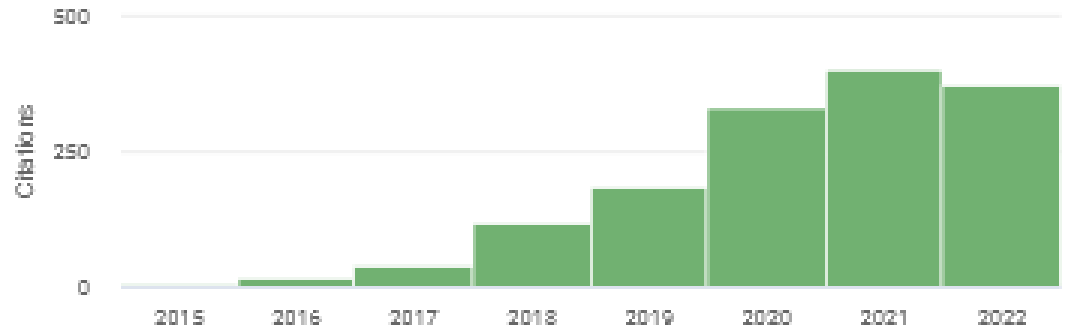
SNSB Staatliche Naturwissenschaftliche Sammlungen Bayerns

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

Animalia
211,214
occurrences

Plantae
14,893,276
occurrences

Fungi
255,392
occurrences

Archaea
0
occurrences

Bacteria
223
occurrences

Chromista
20,033
occurrences

Protozoa
27,930
occurrences

Viruses
0
occurrences

Incertae sedis
5,789
occurrences

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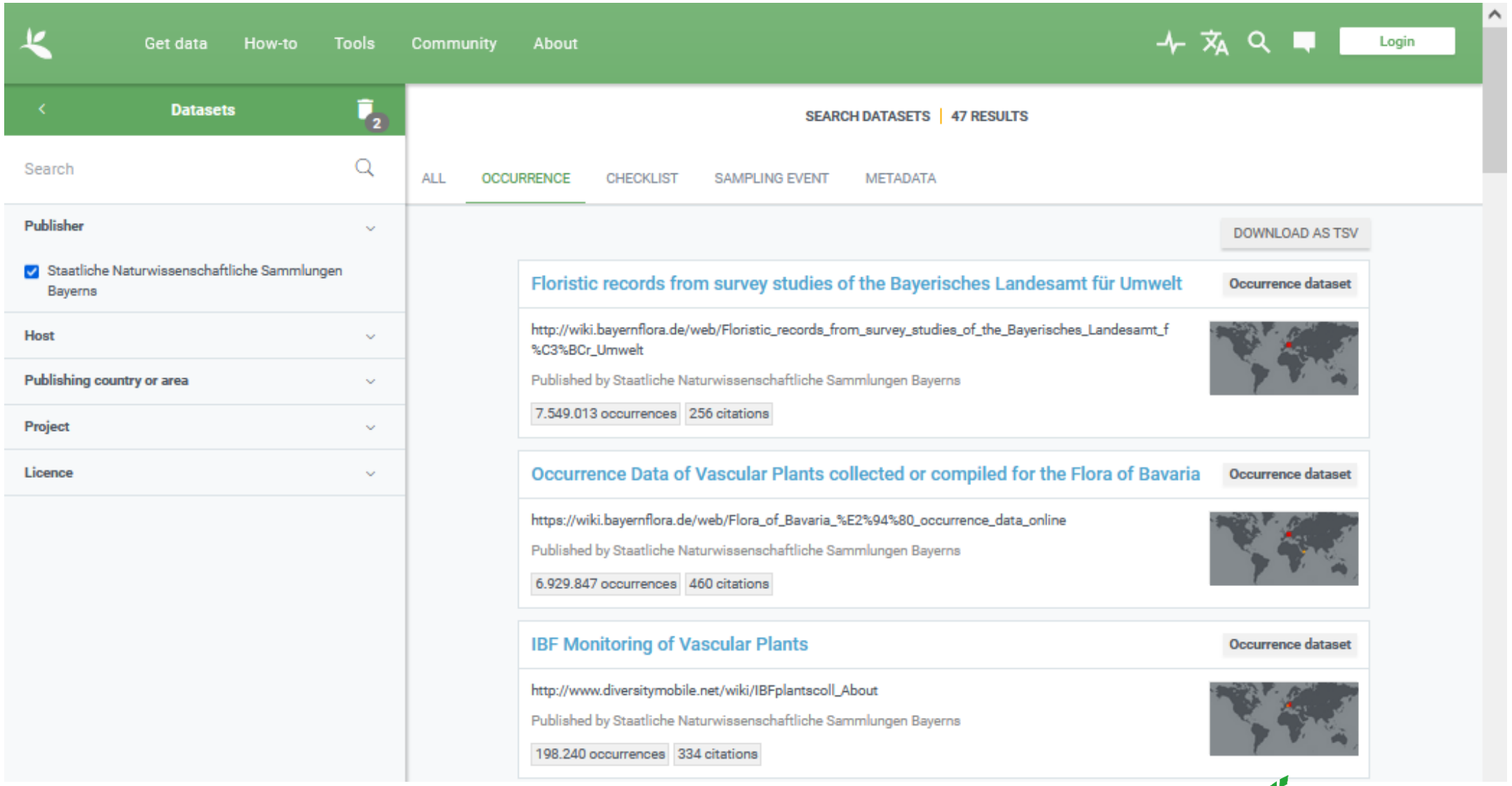
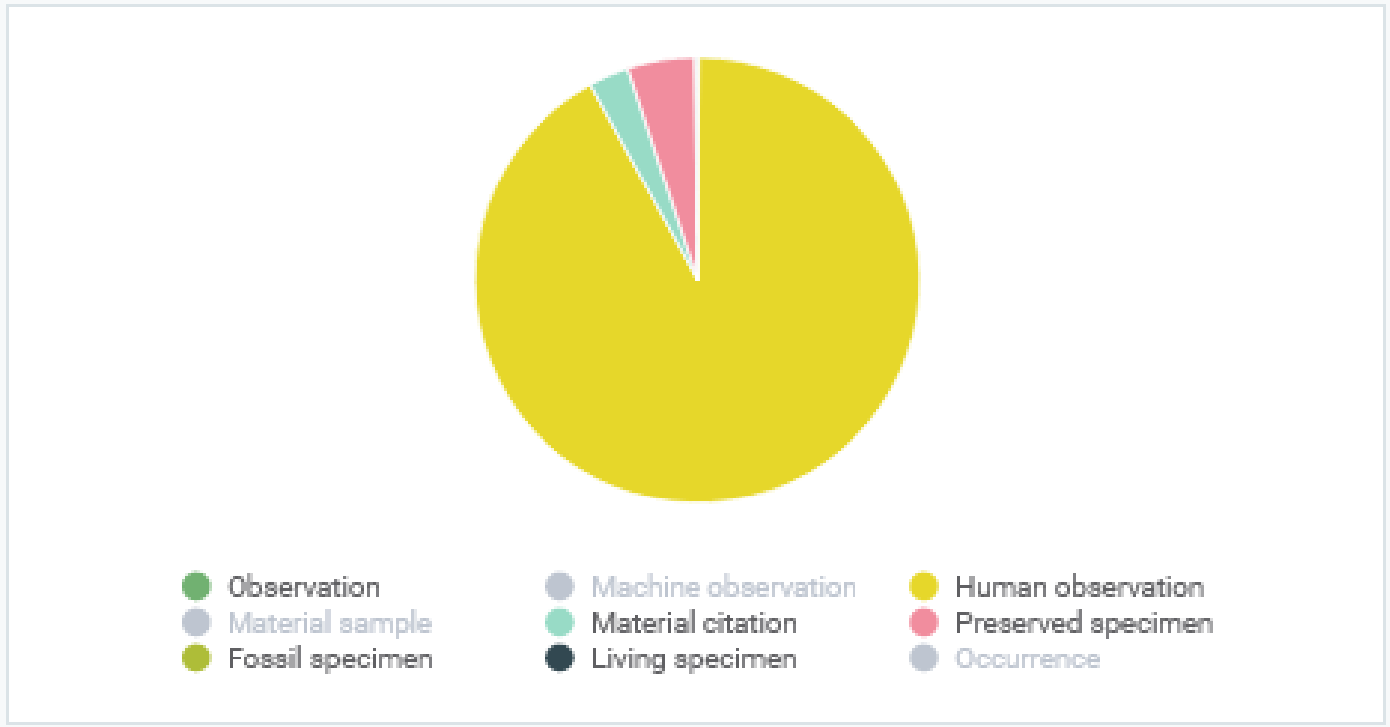
SNSB Staatliche Naturwissenschaftliche Sammlungen Bayerns

SNSB Data Publication at GBIF Portal

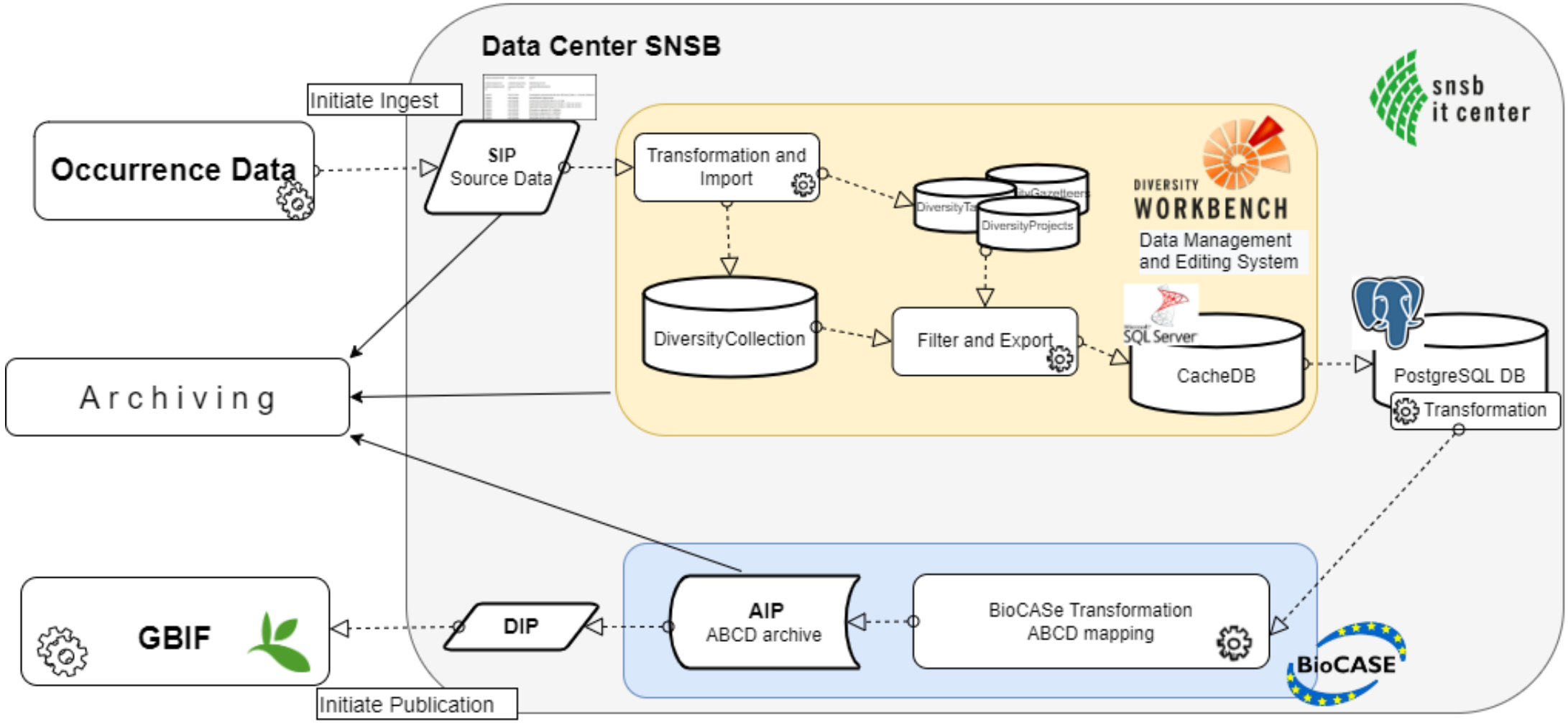


SNSB Data Publication at GBIF Portal

OCCURRENCES PER BASIS OF RECORD



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