

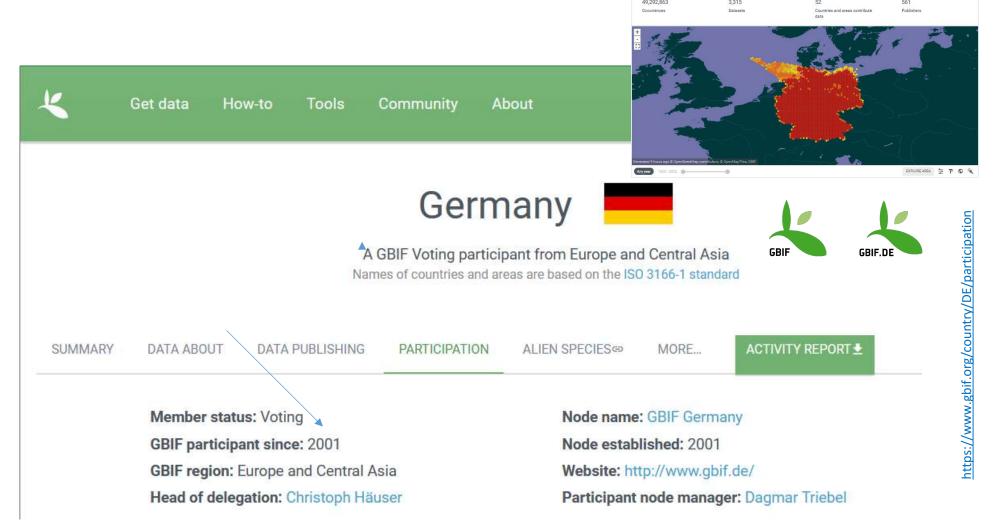
GBIF publication of biodiversity monitoring data in Germany with two example datasets from SNSB

Tanja Weibulat

Expert Workshop on GBIF Data Publication in Africa, 11.10.2023



Germany as GBIF Voting participant





GBIF Germany – Network of Subnodes at Natural Science Collections (NSCs)

6 Organisations with 8 subnodes, thematic networks and data centers









SENCKENBERG world of biodiversity







- News News II
- Coordination
- Bacteria & Archaea
- Plants & Protists
- Fungi & Lichens
- Insects
- Invertebrates II
- Invertebrates III
- Vertehrates
- Fossils
- Thematic Network Soil Zoology
- Publications
- GBIF-D Archive

- GBIF International Home
- Deutsche Delegation
- GBIF News and Events



Startseite

Global Biodiversity Information Facility - Germany

Deutsche Version



The mission of the Global Biodiversity Information Facility (GBIF) is to facilitate free and open access to biodiversity data worldwide via the Internet.

Objectives of GBIF-D

Germany is one of the founding nations of GBIF (see Country Page at GBIF.ORG). The main objective of GBIF Germany (GBIF-D) is the focussed collection and mobilisation of suitable data within Germany's research community and natural history collections as well as the available observation data to fulfill the aims of GBIF's MoU. The German Federal





Suche

Virtuelles Herbarium Deutschland mit GBIF-Technologie

http://www.gbif.de/homeenglish GBIF-Deutschland präsentiert das neue Virtuelle Herbarium Deutschland, Das Virtuelle Herbarium ist eine gemeinschaftliche Präsentation bedeutender Herbarien Deutschlands und basiert auf modernster GBIF-Technologie Virtuell bedeutet, dass Menschen aus Forschung, Bildung, Umweltwissenschaften sowie interessierte Bürgerinnen und Bürger digitalisierte Pflanzenbelege beguem am Rechner untersuchen

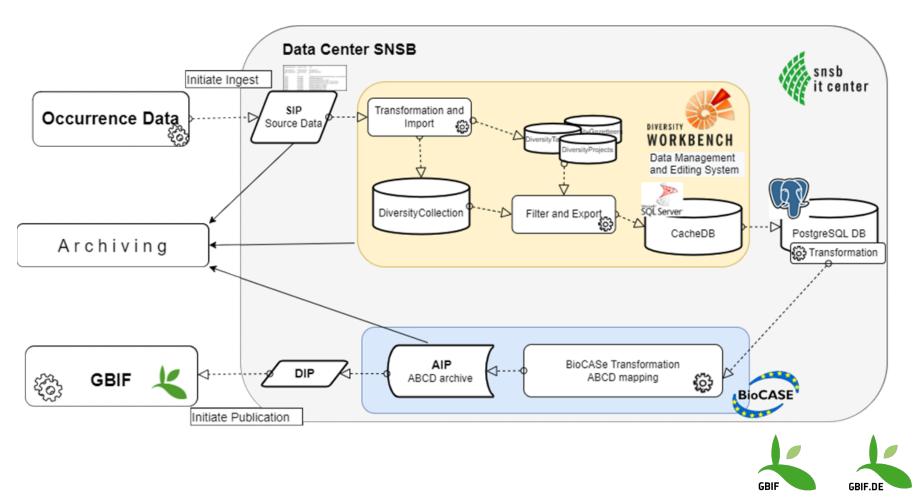
können ohne die weiten Wege in







Exemplary data pipeline with FAIR occurrence data for GBIF





NSCs: Agreed Standard elements and provider software for FAIR data





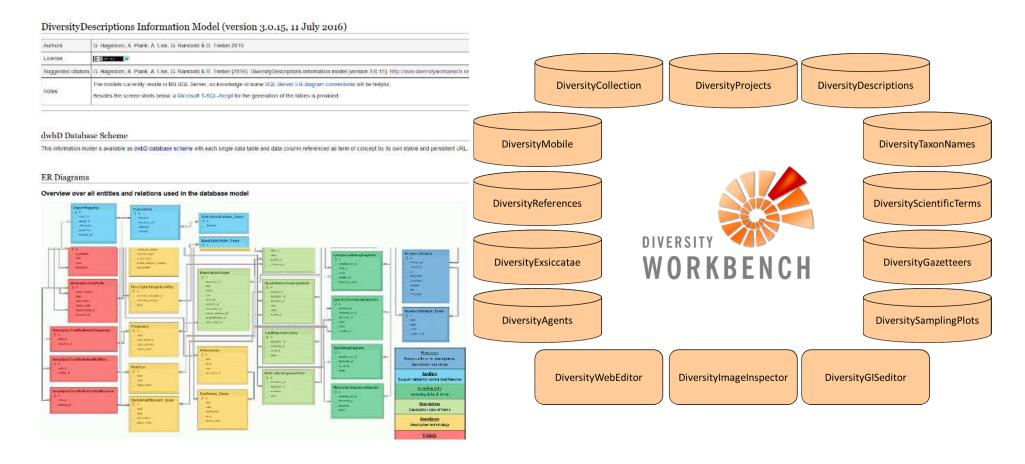
https://www.biocase.org/products/provider_software/





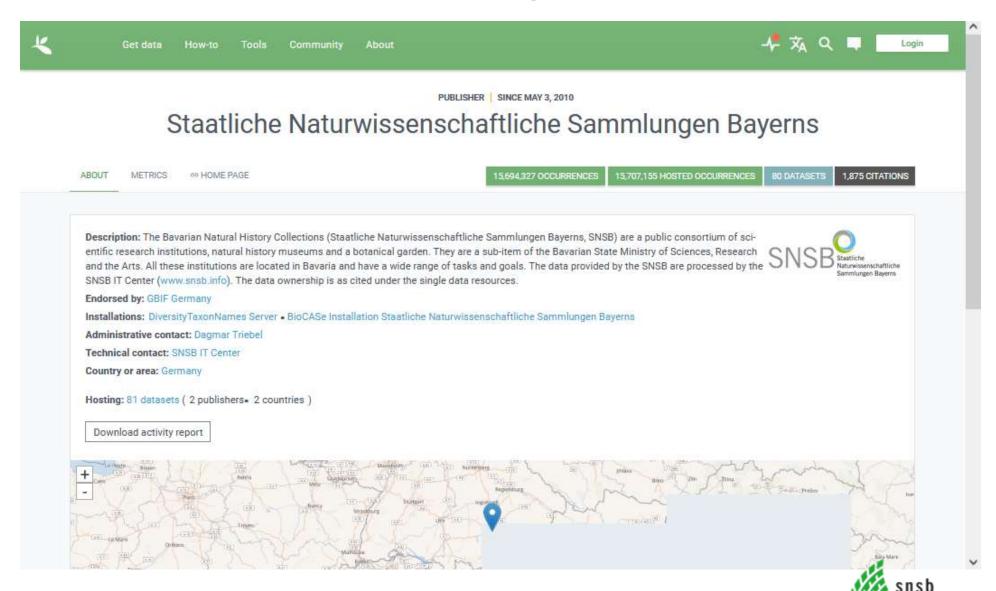


DWB – a set of software tools and db engines

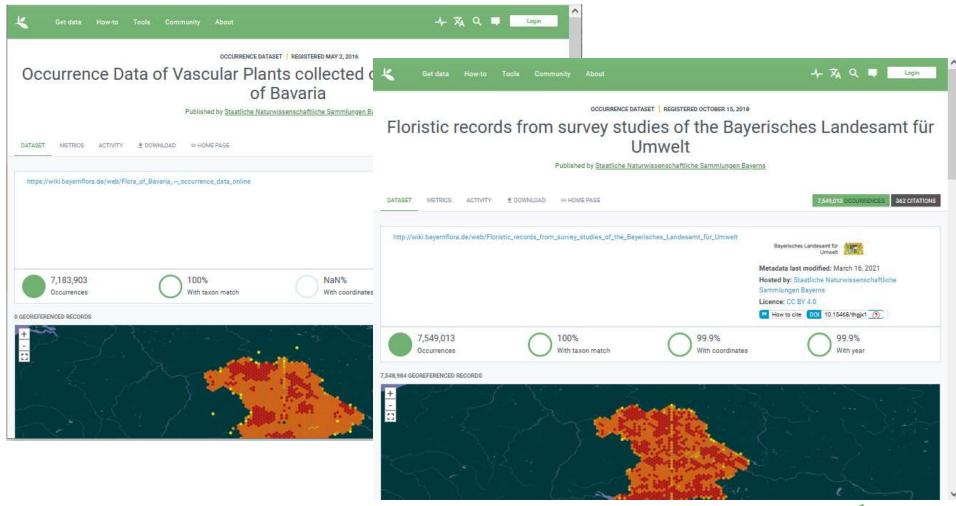




SNSB as GBIF data publisher



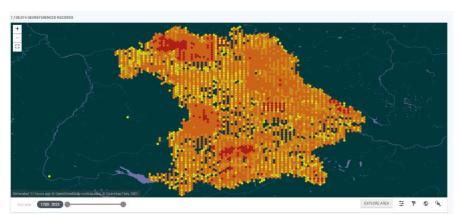
Two examples for monitoring datasets in GBIF





Flora of Bavaria: Two dynamic datasets (GBIF occurrence records "plot"-based)

BFL LfU



https://www.gbif.org/dataset/64dabd3c-4f34-4520-b9dd-d227a0bf1582



https://www.gbif.org/dataset/8ea4250e-0ff0-44f8-812e-bffc3b9ba2a4

7.183.903 records

"Hotspots"

- specialists
- mapping for local flora projects



7.549.013 records

"Hotspots"

biotopes (e.g. "Alpenbiotopkartierung")

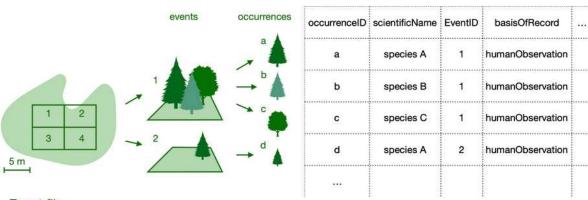


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GBIF Classes of datasets

- Resource datasets (metadata-only datasets)
- Checklists
- Occurrence datasets
- Sampling events datasets



Occurrence file

Event file

EventID	EventDate	samplingProtocol	sampleSizeValue	sampleSizeUnit	
1	2018-08-03	ad hoc observations	25	square metre	
2	2018-08-03	ad hoc observations	25	square metre	7 £

https://data-blog.gbif.org/post/choose-dataset-type/





Thank you for your attention!

