

The SNSB data pipelines for publishing occurrence data via GBIF are appropriate for human osteological collections

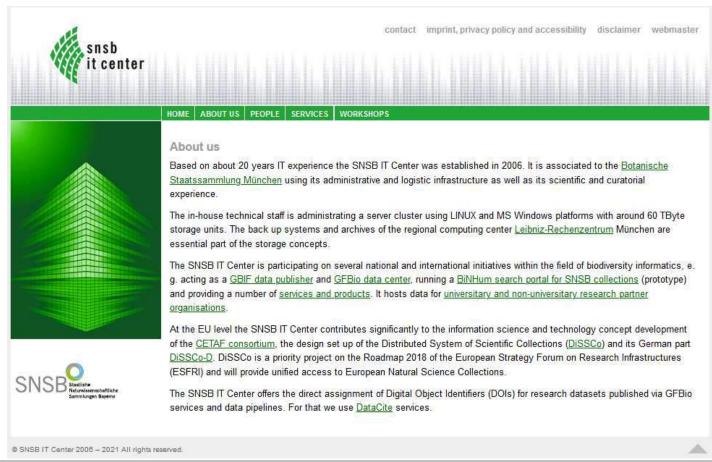
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SNSB IT Center



SNSB has a biodiversity informatics department and a number of recognized data repositories

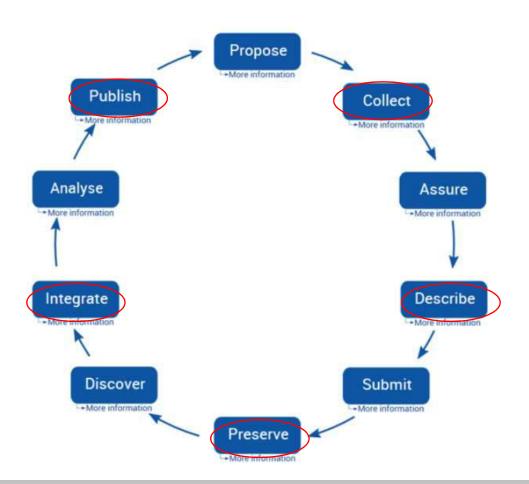




SNSB IT Center



 The core services for collection data are following the Data Life Cycle and are on the way to be certified.

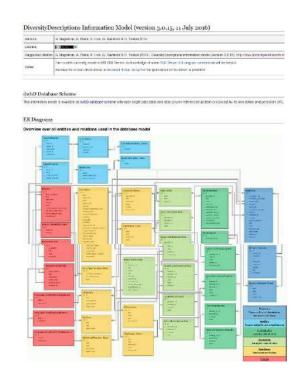


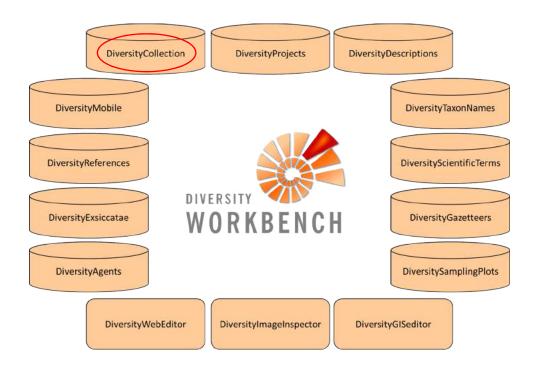


SNSB IT Center



- Data management of all repositories is done in own installations of DWB databases
- Administration of 200 DWB accounts
- For collection and occurrence data: DiversityCollection

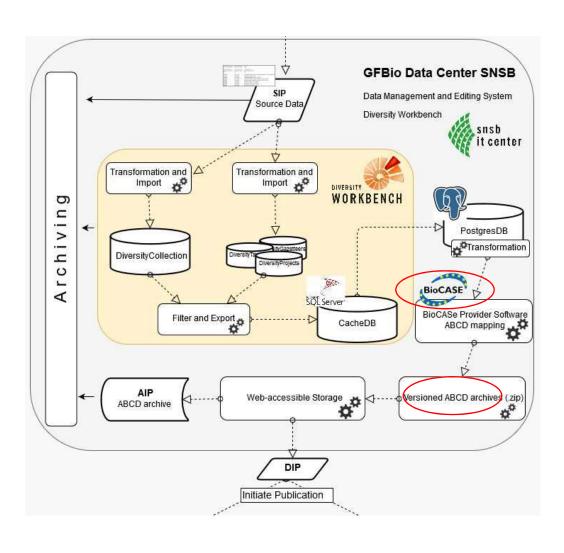






SNSB Data Pipelines







TDWG Standard ABCD





♠ / Standards / Access to Biological Collection Data (ABCD)

Header section

Title

Access to Biological Collection Data (ABCD) Schema

Date created

2005-09-16

Status

Current (2005) standard

Category

Technical specification

\equiv ABCD 3.0

... is here!

The ABCD 3.0 project was successfully completed on 2019-01-31. This site gives an overview about the outcomes.

What's new?

XML Schema

We developed a new XML Schema. The changes we made were focused on element reuse, implementation of requests from the community and harmonization with the new ABCD 3.0 Ontology. A detailed documentation of all changes as well as an XPath Mapping can be found here.

ABCD Ontology

The ABCD Standard is 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. The XML Schema is linked to the Ontology via SAWSDL Annotations. An Introduction to the features of the ontology is available here.

Bibliographic citation

Information Standards (TDWG)

collections.

Access to Biological Collections Data task group (2007) Access to Biological Collection Data (ABCD), Version 2.06. Biodiversity Information Standards (TDWG) http://www.tdwg.org/standards/115



supporting data from a wide variety of databas

several existing data standards. Parallel structu both) atomised data and free-text can be acco

and 2.06 are currently in use with the GBIF (Glc

Information Facility) and BioCASe (Biological C

for Europe) networks. Apart from the GBIF and

potential for the application of ABCD extends t in-house legacy data access (e.g. datasets from

shall not be converted and integrated into an i

be kept separately, though easily accessible). B between terms, ABCD is a step towards an onti-

Access to Biological Collections Data task grou

SNSB BioCASe Pipeline

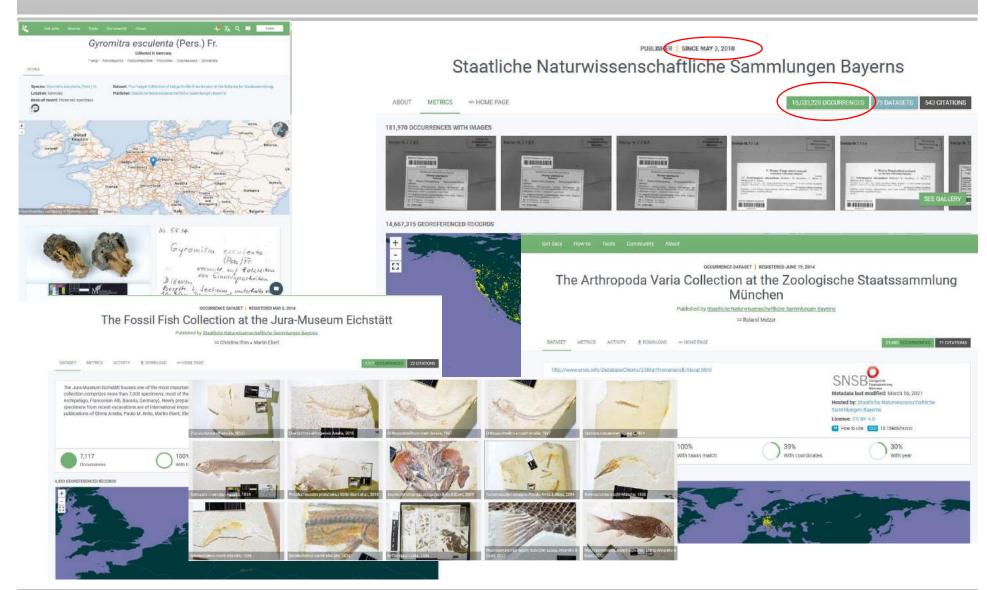


DWB data in BioCASe Provider Software:



SNSB: GBIF Data Publisher

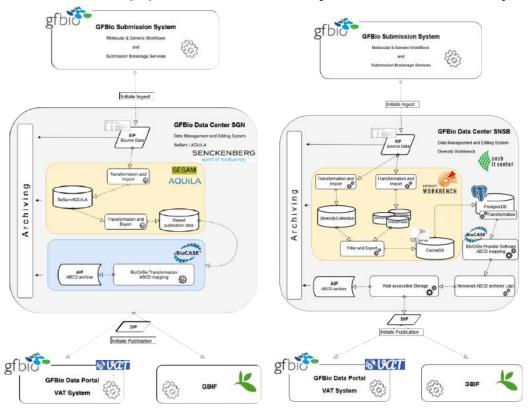




Benefit in Using ABCD



- ABCD structured data in national/ international data portals, free for download
 → GBIF, GFBio and NFDI4BioDiversity
- ABCD data pipelines at all major Natural History Collections in Germany





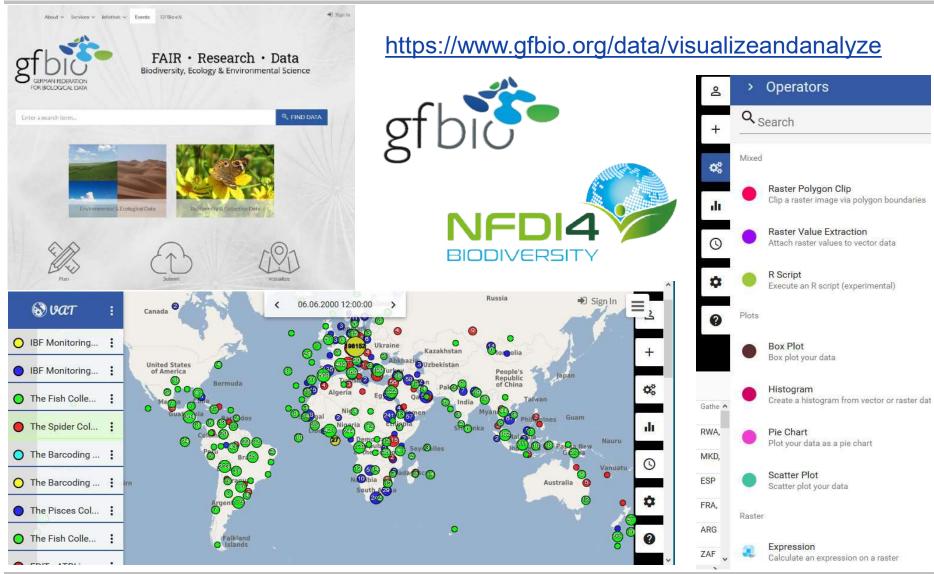






ABCD Data in GFBio and NFDI

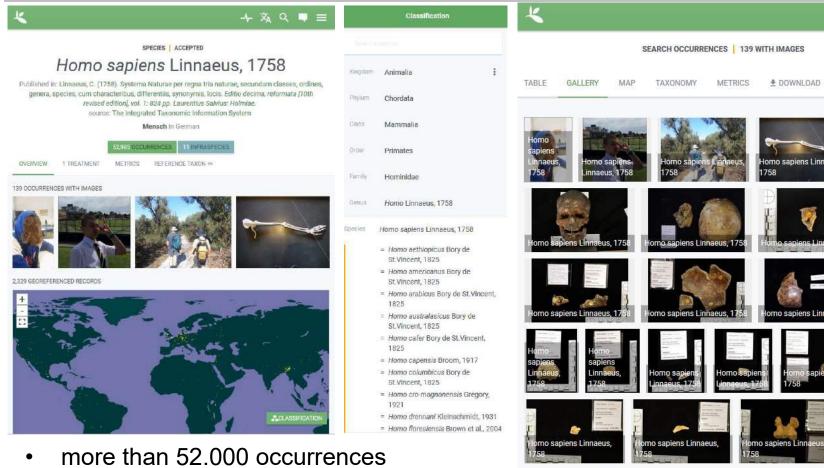




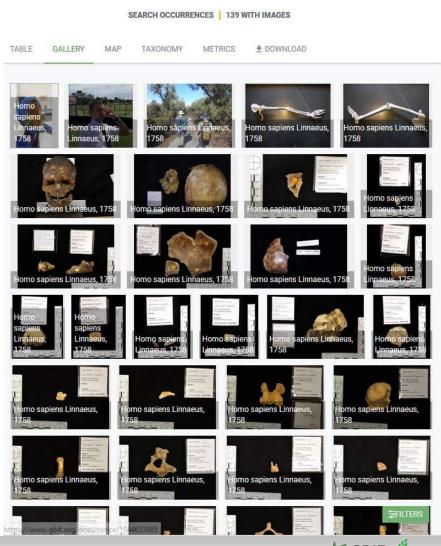


Anthropology Data in GBIF





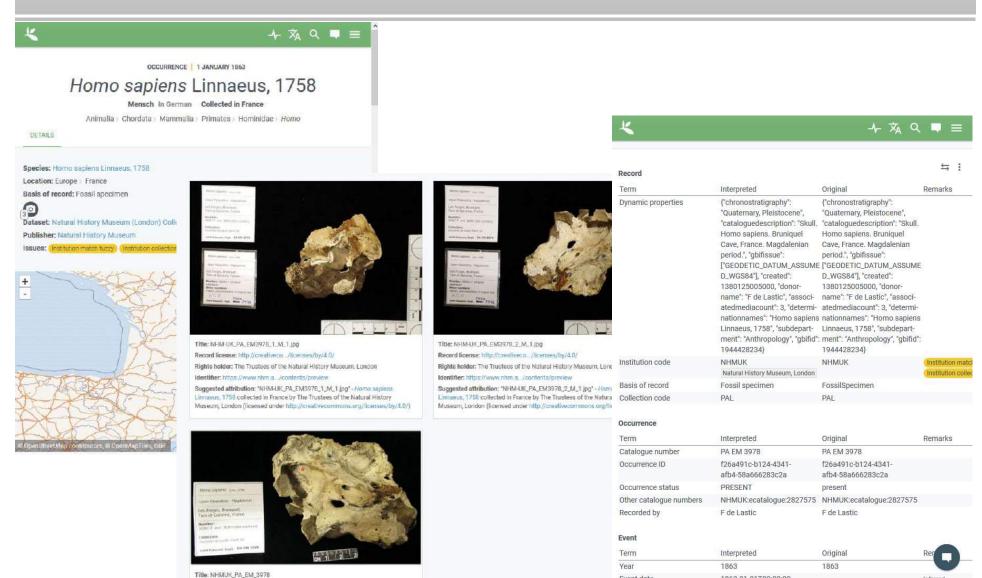
from major natural history collections, e.g. MfN-Berlin, NHM-London





Anthropology Data in GBIF

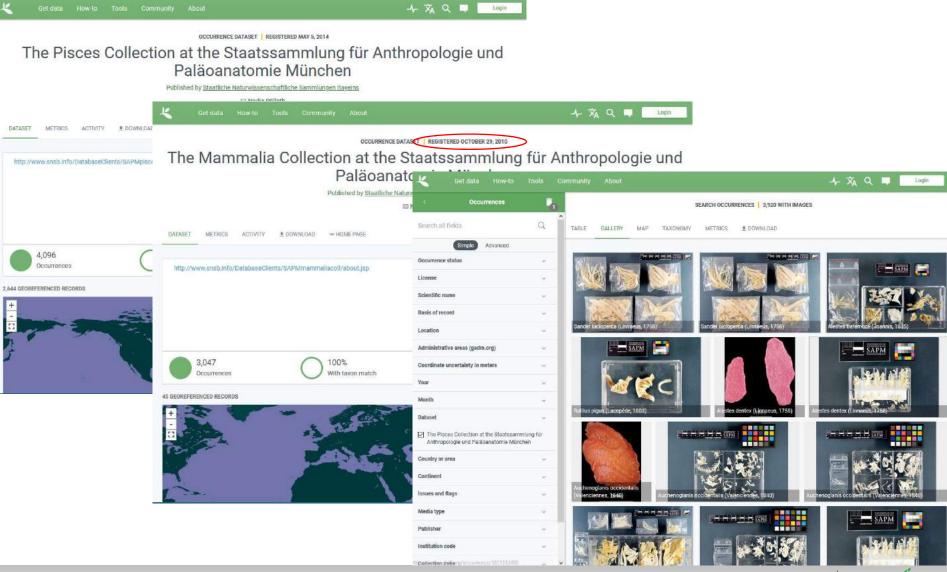






SNSB-SAPM Osteological Data in GBIF SNSF





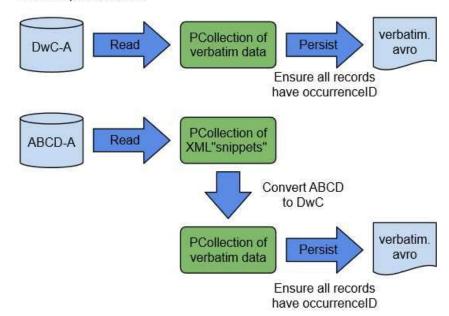
GBIF Pipelines for Ocurrence Data



⊘ Ingress

Ingress is from Darwin Core Archive (zip files of one or more delimited text files) of ABCD Archives compressed XML) only[1]. During ingress data is converted from its native format and stored as Avro files containing Darwin Core compliant data.

This is depicted below:



.... become part of the GBIF Network



