



The Role of NHM Vienna in DiSSCo

- European Memorandum of Understanding signed by the NHM Vienna 2017-06-20
- DiSSCo Prepare Phase Project – National Task Force (NTF Austria)
Reaching out to Austrian Stakeholders
National Consortium – MoU template provided by DiSSCo Coordination

Inclusiveness & Collaboration

Data Exchange & Standards

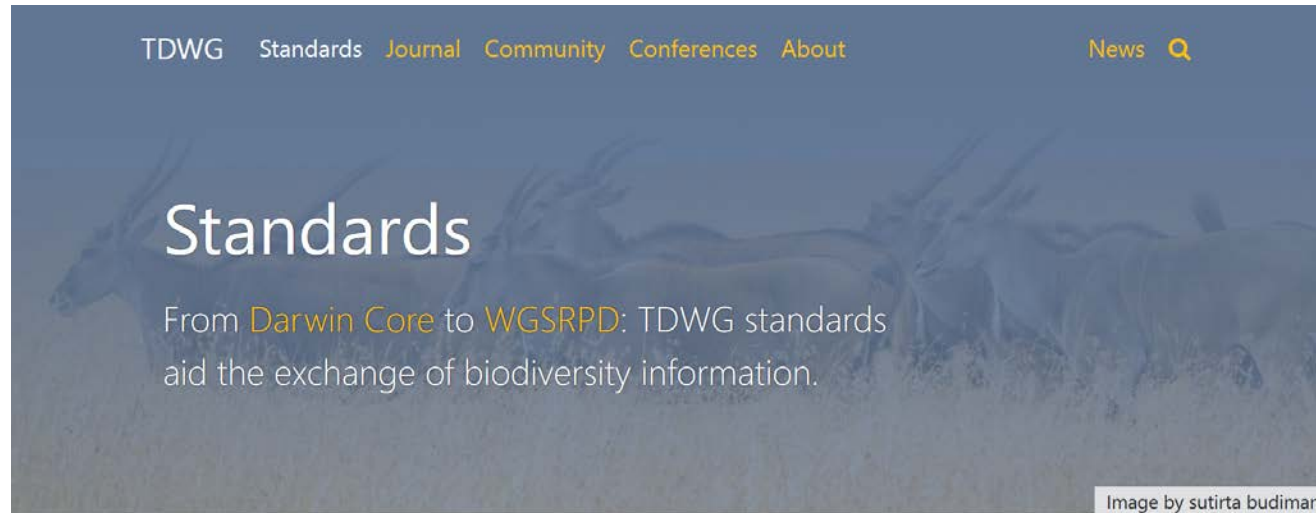
Digital-Transformation & Paradigm Shift

Austrian Natural History Collections – GBIF AT

Nationale Partner von GBIF-Austria



Community Standards (TDWG)



Home / Standards

Edit this page

TDWG standards have a [status and category](#). Our standards are also available as a collection on [FAIRsharing](#), which places them in context with databases that implement them and data policies that endorse their use.

[Current standards](#)

[Draft standards](#)

[2005 standards](#)

[Prior standards](#)

Current standards



[Audubon Core](#)



[Darwin Core](#)



[GUID applicability statements](#)

GBIF – global

The screenshot displays the GBIF Occurrences search interface. At the top, a green navigation bar contains the text "Get data", "Share", "Tools", and "Inside GBIF". On the right side of this bar are icons for a heart, a search icon, a magnifying glass, and a chat bubble, along with a search box containing the text "heimor".

Below the navigation bar, the main content area is titled "Occurrences" and shows a search result of "3,219,608 WITH COORDINATES". The interface includes a left-hand sidebar with various filter categories, each with a dropdown arrow:

- Month
- Dataset
- Country or area
- Issues and flags
- Media type
- Publisher
- Institution code
- Collection code
- Catalog number
- Type status

The "Publisher" filter is expanded, showing a list of institutions with checkboxes:

- AIT Austrian Institute of Technology GmbH
- Natural History Museum, Vienna - Herbarium W
- University of Vienna, Institute for Botany - Herbarium WU
- University of Graz, Institute of Plant Sciences
- Steiermärkisches Landesmuseum Joanneum - Herbarium GJO
- Haus der Natur Salzburg, Museum für Natur und Technik
- Biologiezentrum Linz Oberoesterreich
- Tiroler Landesmuseum Ferdinandeum
- Universität Salzburg
- inatura - Erlebnis Naturschau Dornbirn

At the top of the main content area, there are navigation tabs: "TABLE", "GALLERY", "MAP", "TAXONOMY", "METRICS", and "DOWNLOAD". The "MAP" tab is currently selected. The map itself shows a world map with a grid overlay and numerous red dots of varying sizes representing occurrence data points. The dots are most densely clustered in Europe and North America. On the left side of the map, there are zoom controls (+, -, and a hand icon). On the right side, there are icons for a full screen view, a home button, and a trash icon.

At the bottom of the map, there is a copyright notice: "© OpenStreetMap contributors, © OpenMapTiles, GBIF."

Occurrences 🗑️ 11

Month ▼

Dataset ▼

Country or area ▼

Issues and flags ▼

Media type ▼

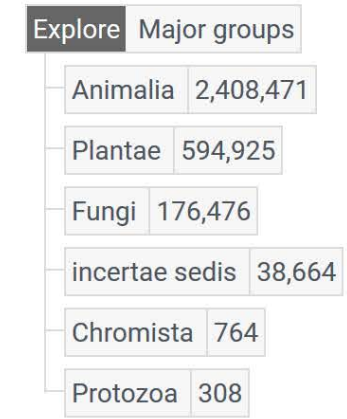
Publisher ▼

- AIT Austrian Institute of Technology GmbH
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- University of Vienna, Institute for Botany - Herbarium WU
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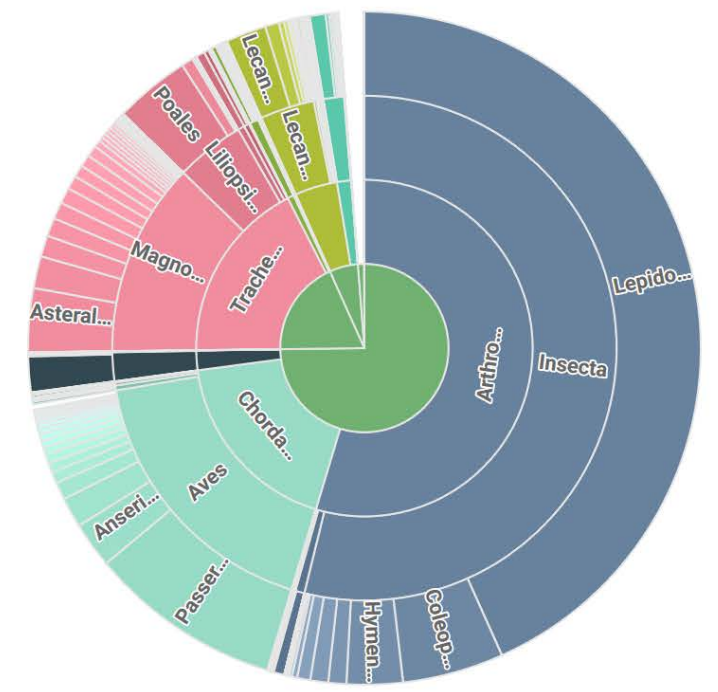
SEARCH OCCURRENCES | 3,219,608 RESULTS

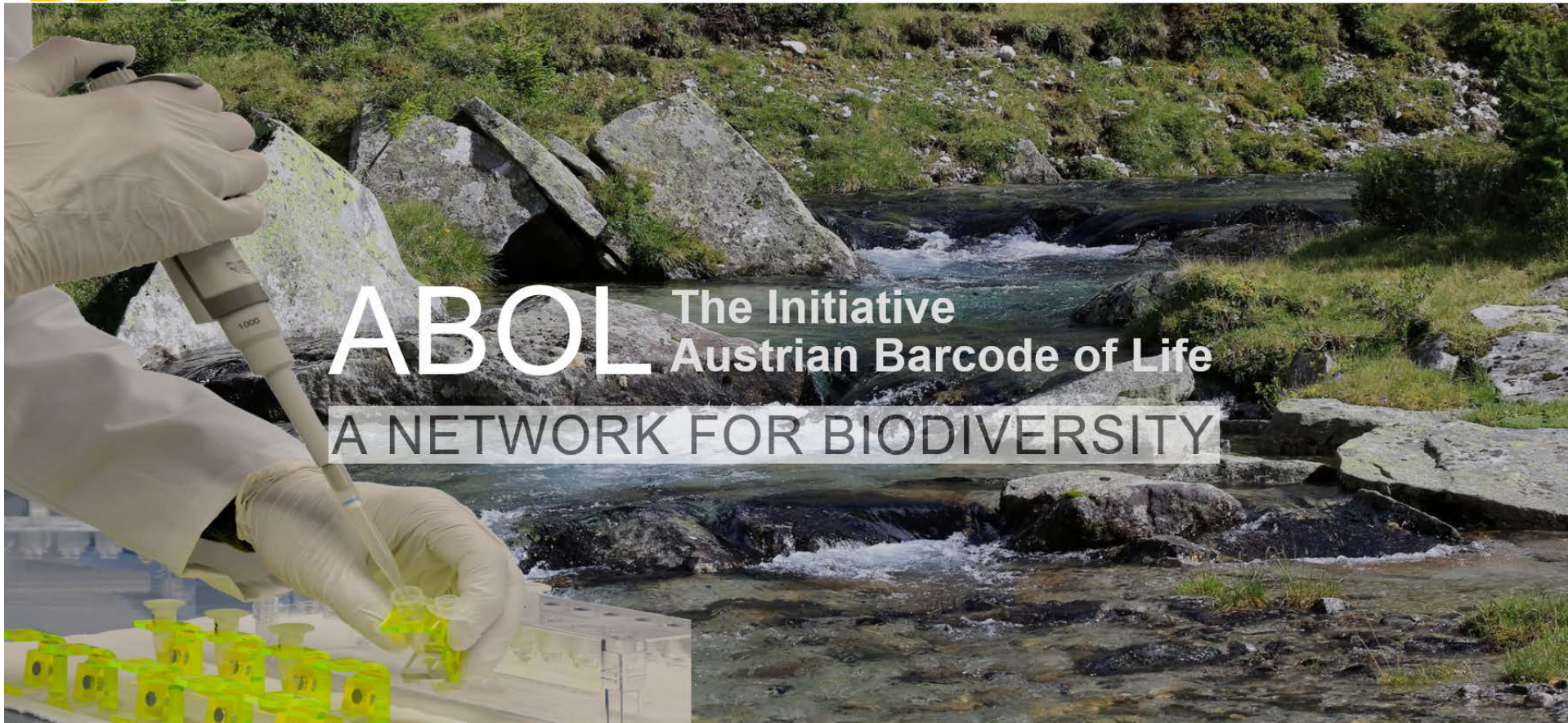
TABLE GALLERY MAP **TAXONOMY** METRICS 📄 DOWNLOAD

TAXONOMIC DISTRIBUTION OF OCCURRENCES



TAXONOMIC DISTRIBUTION OF OCCURRENCES





ABOL The Initiative
Austrian Barcode of Life
A NETWORK FOR BIODIVERSITY

Earth Science Domain

OeTyp -
Catalogue of Palaeontological Types in Austrian Collections

Page 1/5

- Home
- [Search Database](#)
- [References](#)
- [OeTyp details](#)
- [Institutions](#)

The **OeTyp**-Project is a joint effort of the Austrian Academy of Sciences (Commission for the Palaeontological and Stratigraphical Research of Austria) and the Natural History Museum Vienna.

The intention of this project is the registration of palaeontological types, figured specimens and reference material in Austrian collections. A online database ensures the availability of these data for a wide public. Currently the database encompasses:

74100 specimens
>1400 references

Contact:

- Head of the OeTyp-Project: [Mag. Dr. Andreas Kroh](#) (Natural History Museum Vienna, Department of Geology & Palaeontology)
- Head of the Commission for the Palaeontological and Stratigraphical Research of Austria: [Prof. Dr. Werner E. Piller](#) (University of Graz, Institute of Earth Sciences)

Created by Andreas Kroh, NHM Vienna; last update 10.05.2019 --- oetyp(at)nhm-wien.ac.at

GeoCAsE
Geosciences Collection Access Service

HOME DATA ACCESS JOIN THE NETWORK TUTORIAL ABOUT THE PROJECT ABOUT EFG PARTNERS CONTACT LINKS IMPRINT

Fossils from around the world

Plant Fossil Names

Sign up | Log in

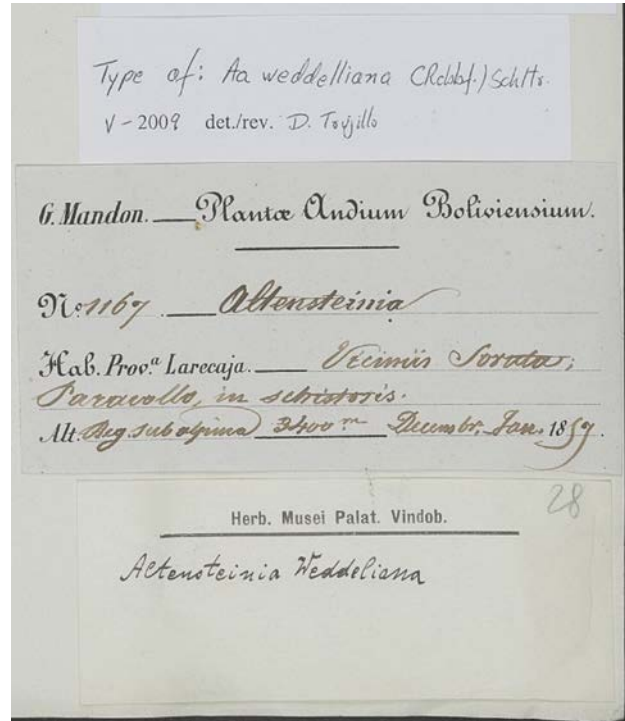
Plant Fossil Names Registry
Database of paleobotanical names, types, works and authors.

<p>Register new name</p> <p>New name, combination, status or replacement name.</p> <p>Register name</p>	<p>Register new typification</p> <p>Designate lectotype, neotype and epitype, or type of supraspecific taxon.</p> <p>Register type</p>	<p>Expand the database</p> <p>Add already published names, types, references, journals or authors.</p> <p>User area</p>
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Partners:

- museum für naturkunde berlin
- GBIF
- IGGM
- BioCAsE
- ETH - Eidgenössische Technische Hochschule Zürich
- INSTITUTE OF GEOLOGY AT TUILLERIE UNIVERSITY
- nhm naturhistorisches museum wien
- NATURKUNDE MUSEUM STUTTGART
- SYNTHESYS
- Biodiversity Information Standards TDWG
- Fachgruppe PaläoUmwelt GeoZentrum Nordbayern

From Specimens to FAIR data



Specimen in Herbarium W
Collectio Reichenbach Orchids
75916

JACQ

HOME DATABASE COLLECTIONS REFERENCE SYSTEMS

Stable identifier	
Collection Herb.#	W-Rchb.Orch. 0075916
Stored under taxonname	Aa weddelliana (Rchb. f.) Schltr. 🌿
Family	Orchidaceae
Det./rev./conf./assigned	Trujillo
Ident. history	Mandon: Altensteinia; Reichenbach: Altensteineia weddelliana; Trujillo 2009: Aa weddelliana;
Holotypus for	Altensteinia weddelliana Rchb. f. Typified by: Vitek 2017
	Xenia orchid. 3 (1): 19-20 (1878-05-10)
	Current Name: Aa weddelliana (Rchb. f.) Schltr.
Collector	Mandon, G. 1167

<http://www.jacq.org/detail.php?ID=1198666>



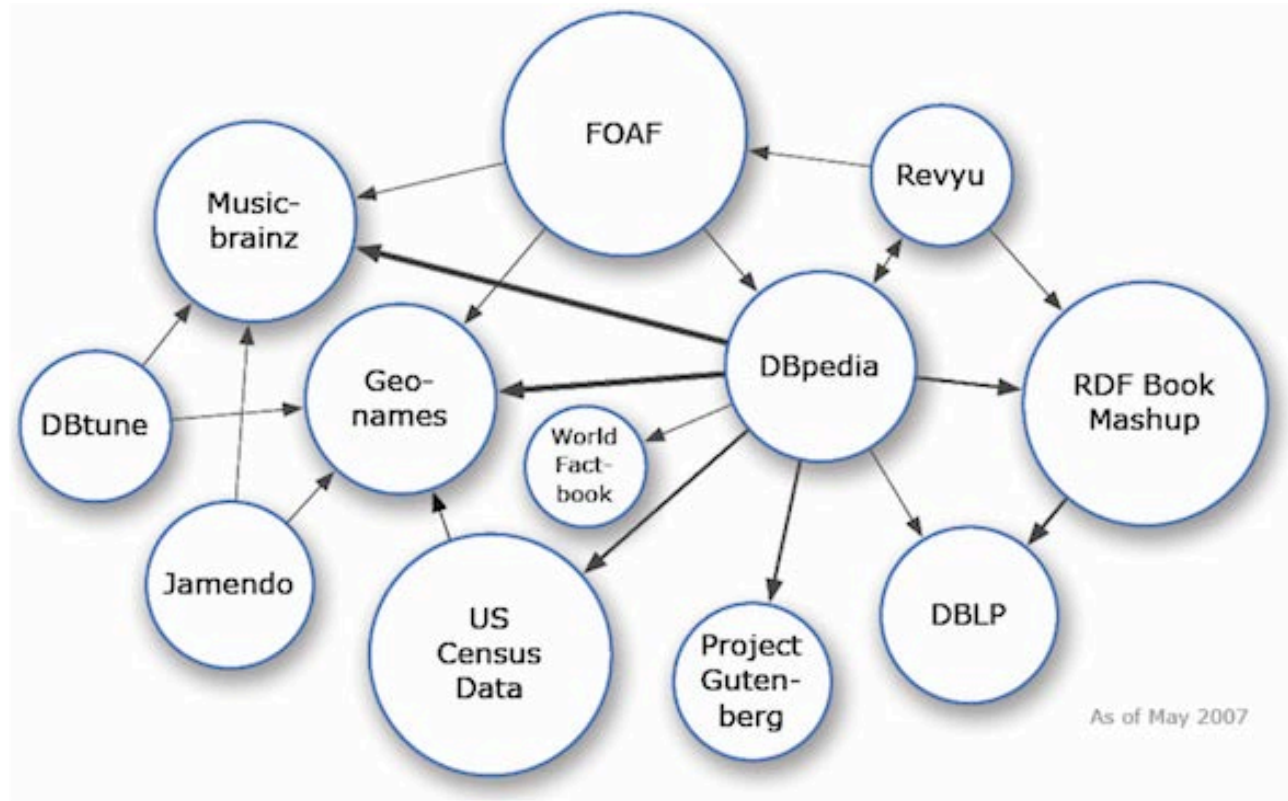
TDWG Standards

Unique-ID

<https://www.gbif.org/occurrence/1701346424>

Semantic Web // Linked Open Data

LOD
Cloud
2007-05-01
12 datasets





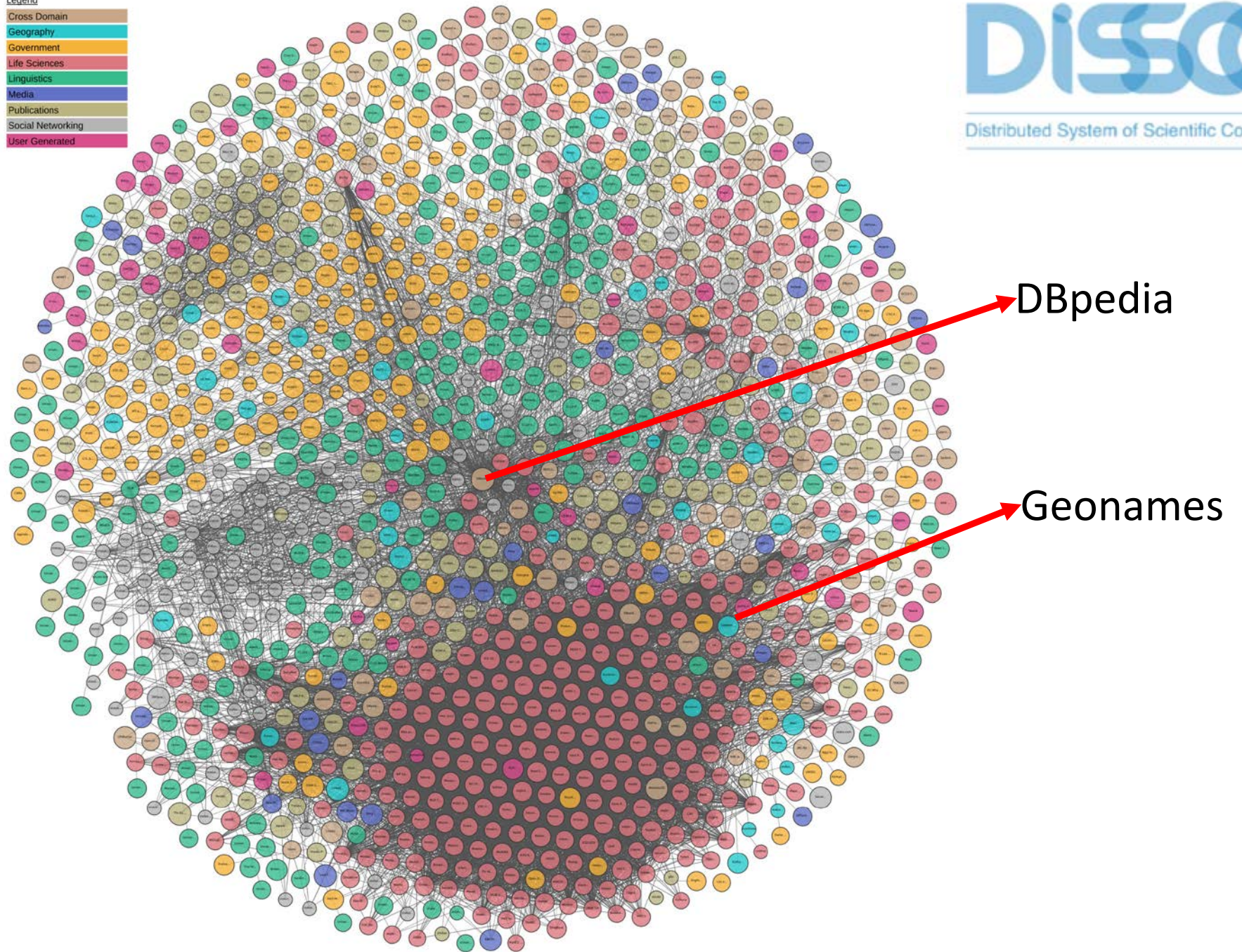
LOD Cloud

<https://lod-cloud.net/>

2019-03-29

1,239 datasets

16,147 links



LOD Cloud

<https://lod-cloud.net/>

2019-03-29

1,239 datasets

16,147 links

Data Facts

Total size	1,993,963 triples
Namespace	http://data.hnm.hu/id/colls/lib/bib/Instance/
Links to data-bnf-fr	10,333 triples
Links to http://isni.org/isni/	18,675 triples
Links to library-of-congress-name-authority-file	19,396 triples
Links to viaf	21,512 triples
Links to wikidata	9,329 triples

Download metadata as:

- [JSON](#)
- [RDF/XML](#)
- [Turtle](#)
- [N-Triples](#)

Sandra Knapp – personal impact

<https://bloodhound-tracker.net/0000-0001-7698-3945>

<https://tools.wmflabs.org/scholia/author/Q276405>

NHM London – institutional impact

<https://bloodhound-tracker.net/organization/Q309388>

Thessen et al. (2019) Proper Attribution for Curation and Maintenance of Research Collections: Metadata Recommendations of the RDA/TDWG Working Group

<https://datascience.codata.org/article/10.5334/dsj-2019-054/>



Impact of DiSSCo for Austria and vice versa

- Issues

Digitization: Size of Collections: 30 mio Objects NHM – 40 mio Objects AUT

Storage: Maintenance, Scalability, Integration, Cloud vs. Local/National

Federal Structure: 9 Federal States & Ministries

Multiple Domains: Data Harmonization

- Benefits

Eligibility for Community and National/Regional Funds and Programs

Collaboration in a Unified Infrastructure

Support for Prioritization based on Collection Holdings and Needs

THANK YOU



DISCO INFO DAY, VIENNA, 2019-11-25