



TaxonWorks

Matt Yoder & the Species File Group

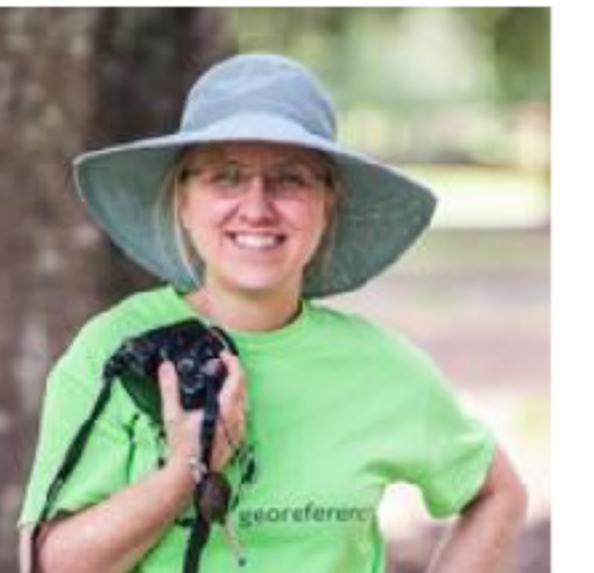
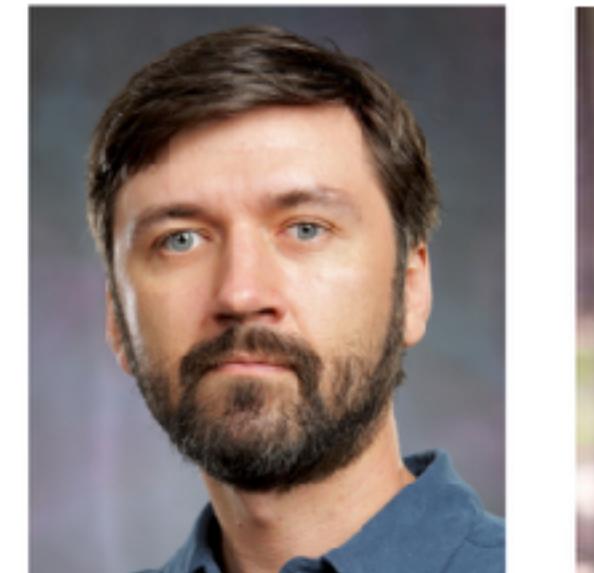
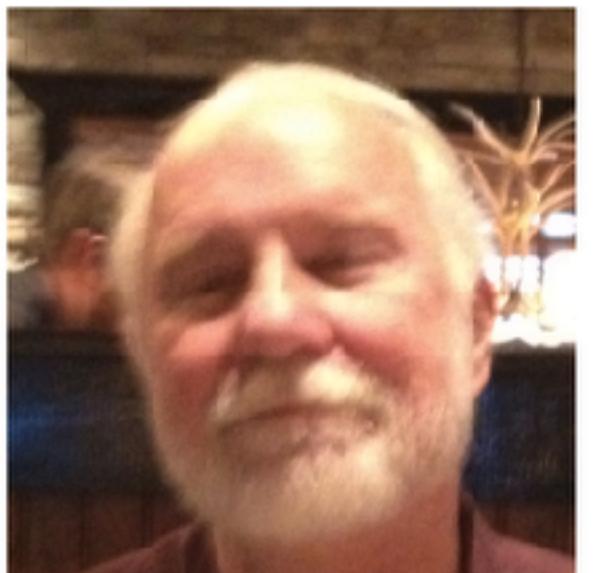
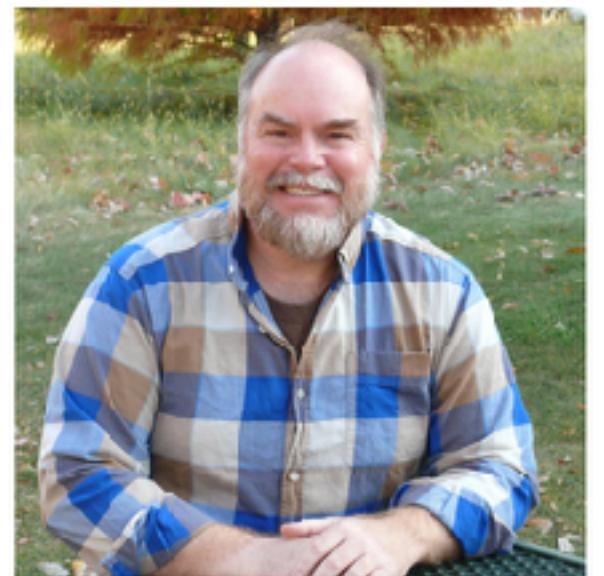


Prairie Research Institute

Illinois Natural History Survey

Departmental Seminar, Feb. 6, 2024

Species File Group (SFG)



Ed DeWalt
José Luis Pereira
Hernán Lucas Pereira
Heidi Hopkins
Lily Hart
Yuri Roskov
Leslie Deem
Rich Flood
Dmitry Mozzherin
Matt Yoder
Dmitry Dmitriev
Deborah Paul
Geoff Ower



TaxonWorks

1. Have a TW account?
2. Seen it in action?
3. Been to TWT?

<https://together.taxonworks.org>

Goals

1. Make you think



/ Data

80% / 20%

2. Help you to refine
and formulate
questions about



World Catalogs, Taxon pages in TaxonPages

Orthoptera Species File
Taxonomic database of the world's grasshoppers, locusts, katydids, crickets, and related insects
Search by taxon name...

Statistics:

- 29,864 VALID SPECIES
- 28,962 VALID EXTANT SPECIES
- 75,034 SCIENTIFIC NAMES
- 16,525 REFERENCES
- 524,574 CITATIONS
- 110,416 IMAGES
- 2,030 SOUND RECORDINGS

Orthoptera Species File
Species: *Chromacris speciosa* (Thunberg, 1824)
Overview Specimen records iNaturalist
Type specimen
Lectotype; female; Tc955b6-df9e-4694-9d5-45a91d78ae4c; deposited at: Uppsala University (LUU); Brazil
Chromacris speciosa © Cigliano
Assessed distribution Collection object Type material
Descendants and synonyms
Chromacris speciosa (Thunberg, 1824)
Rhomalea [sic] stollii Pictet & Saussure, 1857
Rhomalea stollii Pictet & Saussure, 1857

Anthonomidae of the World Online
A virtual catalog of fungus weevil species
Search by family name...
Overview
Welcome to Anthonomidae of the World Online, a virtual catalog that aims to facilitate the search of fungus weevil taxa. The taxonomic database is actively fed on TaxonWorks following specialized scientific literature. Most specimen records and images are the product of the curation, identification, imaging and digitization of Anthonomidae in the ASU O'Brien Collection on the eSystola Symbiota portal.
Curators
K. Samanta Orellana (ORCID: BioRxiv), Evolutionary Biology Ph.D. Candidate, Arizona State University.

~200k pages

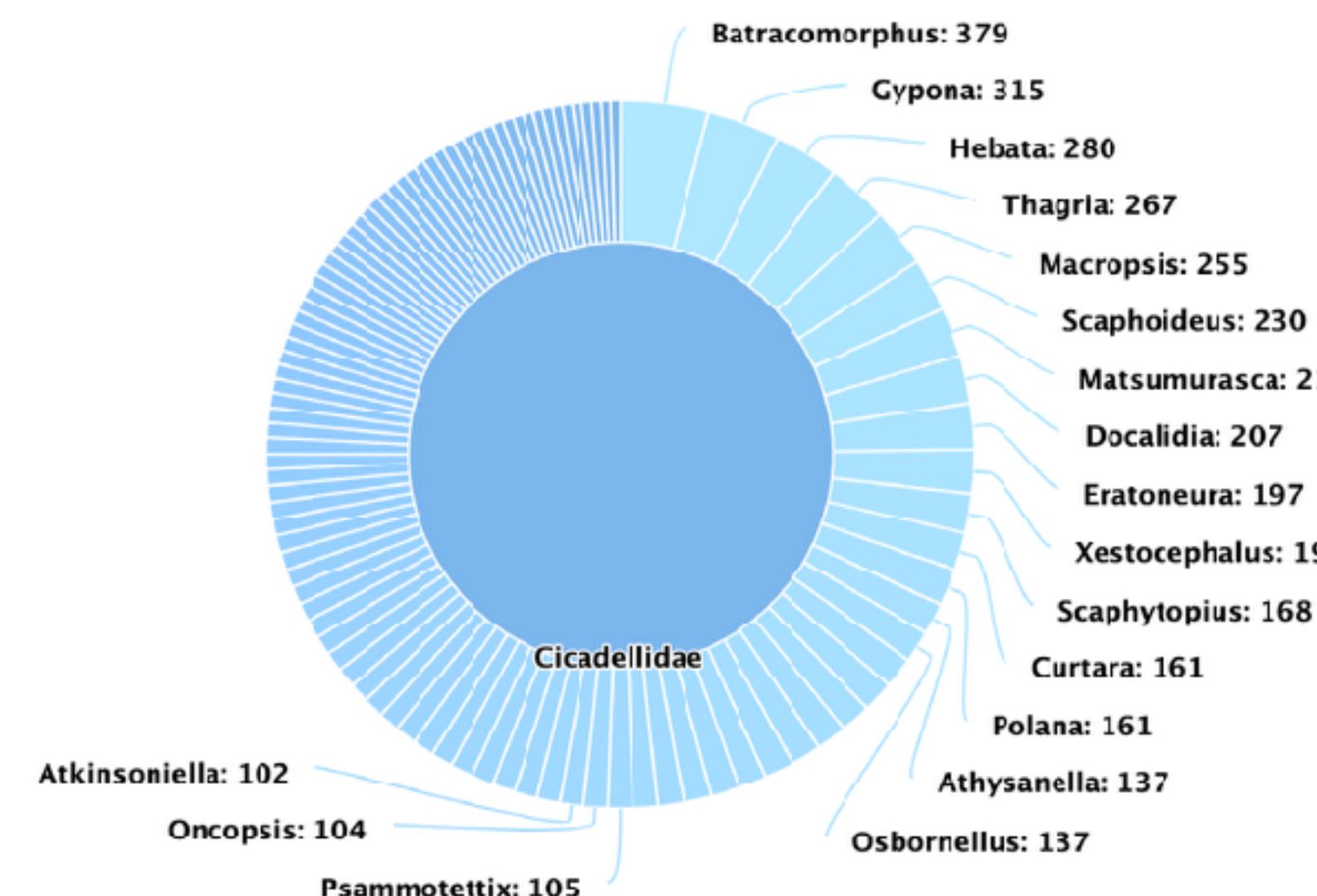


Cicadellidae Latreille, 1825

31

Identifier	8HBPX
Name	Cicadellidae Latreille, 1825
Published in	Latreille, P.A. (1825a) Seconde section. Homoptères. Homoptera. In Familles naturelles du règne animal: exposées succinctement et dans un ordre analytique, avec l'indication de leurs genres. J. B. Baillière, Paris. pp. 426–428. https://doi.org/10.5962/bhl.title.16094
Checklist status	accepted family
Nomenclatural Status	potentially valid
Classification	unranked: Biota > kingdom: Animalia > phylum: Arthropoda > class: Insecta > order: Hemiptera > infraorder: Cicadomorpha > superfamily: Membracoidea Rafinesque, 1815 > family: Cicadellidae Latreille, 1825

~19% flows
through TaxonWorks



Cicadellidae in Catalogue of Life Checklist (2024-01-24). DOI:10.48580/drld

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Observations

The World 51,735 OBSERVATIONS 396 SPECIES 3,698 IDENTIFIERS 21,820 OBSERVERS

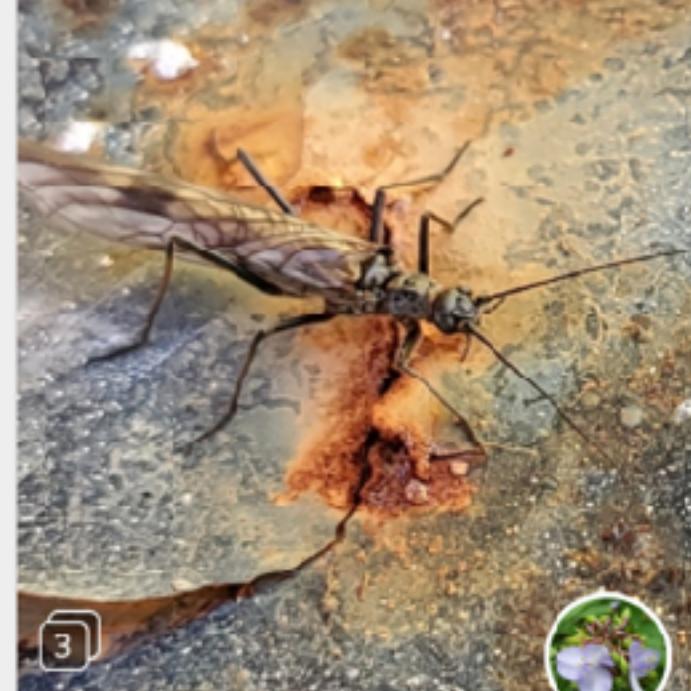
Map Grid List



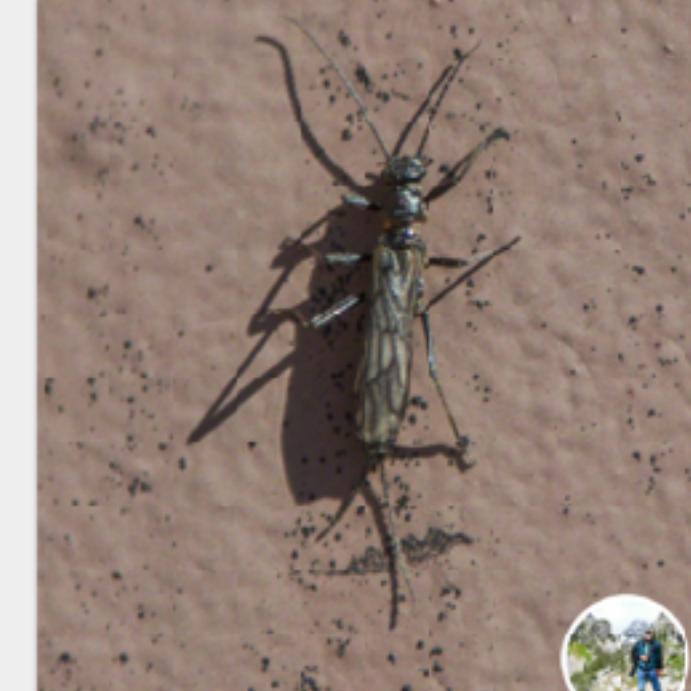
Long-tailed Stoneflies
(Genus *Zelandoperla*)
1 7y



2 Genus *Taeniopteryx*
1 2h

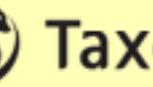


3 Genus *Taeniopteryx*
1 5h



Genus *Isoperla*
1 1h

Observation © Ben Weatherley CC-BY-NC Observation © Koi Squires - CC-BY Observation © stalstud - CC BY-NC Observation © allenbryan - CC-BY-NC

millions of citizen science observations use names from  TaxonWorks

youtube.com/taxonworks


GBIF Data Provider

Get data How-to Tools Community About

OCCURRENCE DATASET | REGISTERED SEPTEMBER 5, 2011

Illinois Natural History Survey Insect Collection

Published by [Illinois Natural History Survey](#)

McElrath T

DATASET METRICS ACTIVITY DOWNLOAD

1,120,633 OCCURRENCES 645 CITATIONS

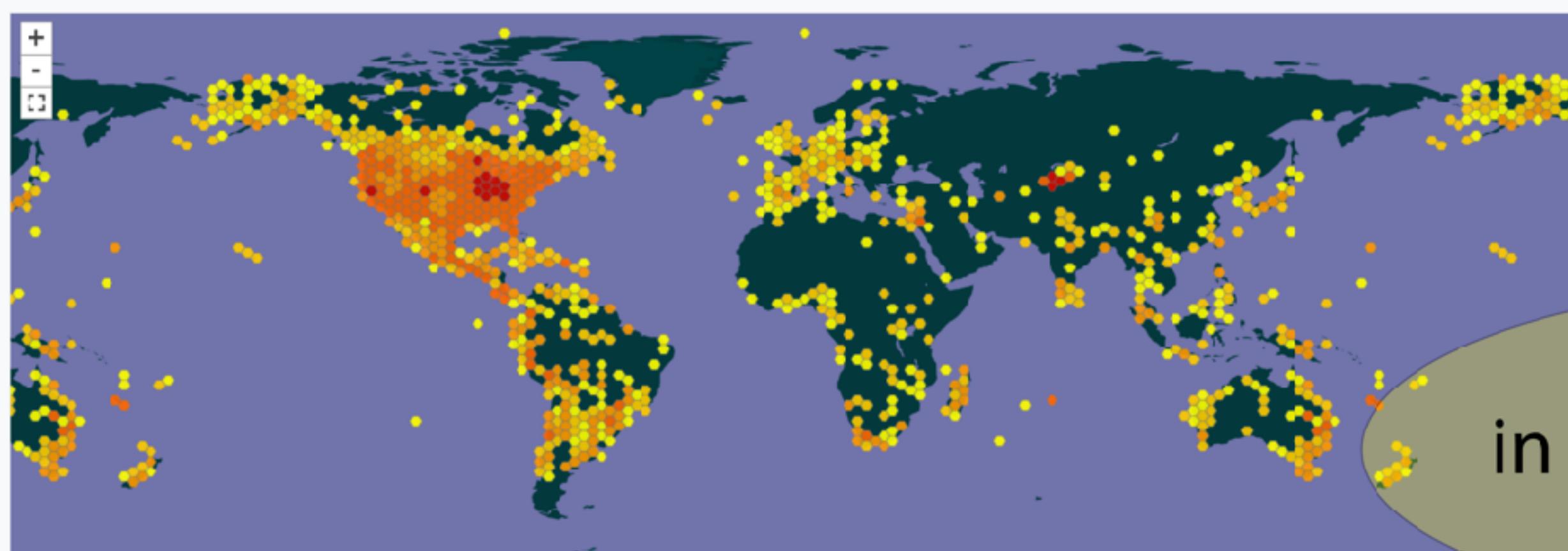
The INHS Insect Collection, which comprises ca. 7 million prepared specimens as well as noninsect arthropods (e.g., arachnids and myriapods) and miscellaneous invertebrates (bryozoans), is one of the largest and oldest entomological collections in North America. The growth and wide-ranging scope of this collection can be credited to the diverse interests of the systematists who have spent all or part of their career at the Survey. Scientists such as Stephen A. Forbes, the first Director of the S... [More](#)

 UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Publication date: June 5, 2023
Metadata last modified: June 6, 2023
Hosted by: [Illinois Natural History Survey](#)
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[How to cite](#) DOI: 10.15468/eolope

1,120,633 Occurrences 93% With taxon match 63% With coordinates 81% With year

704,574 GEOREFERENCED RECORDS



... or come in to TaxonWorks via DwC import

Emerging generated products

products in support
of peer-reviewed
publications

Catalog of the Species of *Haliplus* Latreille, 1802

Materials and Methods

MNHN - Museum National d'Histoire Naturelle, Paris
ZSM - Zoologische Staatssammlung des Bayerischen Staates, München, Germany
AMNH - American Museum of Natural History
USNM - National Museum of Natural History, Smithsonian Institution
NMW - Naturhistorisches Museum, Wien
NHML - Natural History Museum, Tripoli
ZMUC - Zoological Museum, University of Copenhagen
CNCI - Canadian National Collection of Insects
NRM - Swedish Museum of Natural History - Zoological Collections
BMNH - Natural History Museum (formerly British Museum (Natural History)), London, UK
MCZ - Museum of Comparative Zoology
MSNT - Museo Regionale di Scienze Naturali, Torino
UZMH - University Museum (Zoology)
NMPC - National Museum, Prague, Czech Republic
UZM - Universitetets Zoologiske Museum, Copenhagen, Denmark
CUIC - Cornell University Insect Collection
ZMAN - Instituut voor Taxonomische Zoologie, Zoologisch Museum

Nomenclature

Haliplus Latreille, 1802

Haliplus Latreille, 1802: 77.

Haliplus Latreille, 1802 in van Vondel, 2019: 22.

Haliplus africanus Aube, 1838

Haliplus africanus Aube, 1838: 33.

Type: Holotype; 9ffa3c8c-f9b0-4001-ab2b-56afba3a4c4a; deposited at: Museum National d'Histoire Naturelle, Paris (MNHN);

Haliplus (Liaphlus) africanus Aube, 1838 in Nilsson & van Vondel, 2005: 37.

Haliplus (Liaphlus) africanus Aube, 1838 in van Vondel, 2010: 246.

Distribution: UNPARSED.

TaxonWorks Lore - I



TAMUIC

NSF PEET

PPBI

HAO

Species File Group



TaxonWorks

Entering its second decade

Building applications

1. Have you used customized solutions for > 10 years? 20 years?
2. Did you participate in the design of the tools you use?
3. Did those conversations address usability/functionality (UX) and adherence to standards?
4. Did you collaborate on documenting your solutions and standard operating procedures?

Staged Image Digitization



Grid digitizer

TaxonWorks SANDBOX - build unknown S-A on UNKNOWN (no REVISION available) Issues Project Administration Account Sign out matt

INHS Insect Collection

Grid digitizer

sled image: 9867

Previous Next

Object metadata

Added to all collection objects accordingly

Is metadata depiction

Catalogue numbers

down > across

none

across > down

Quick Recent Pinboard 🔒

Search...

Illinois Natural History Survey Insect Collection

Identifier End

1111 1130

Repository

Quick Recent Pinboard 🔒

Search...

Illinois Natural History Survey (INHS)

Preparation

Pill box Point

Pin Jar

Fossil, compression Vial

Envelope 2 ml cryo 95%

Slide E:OH

SEM Mount 8 ml cryo 95%

Subfossil E:OH

Fossil We: [Deprecated]

Ichnofossil Unknown

Loose Dry 96-100% Ethanol

Double mount (microptil) 70% Ethanol

(micropin) Pin

Herbarium sheet

OTU

Quick Recent Pinboard 🔒

Notes

- 20 collection object will be created.
- Catalogue number will be added.

Digitize with shapes

TaxonWorks DEVELOPMENT SANDBOX - build unknown SHA on UNKNOWN (no REVISION available) Issues

Project Administration Account: Sign out matt

Test

Free form digitize

Save Save and new New

Assign Review (4)

Existing data

Total	Family	Genus	Scientific name
4	4	4	4
4	4	4	4
4	4	4	4
4	4	4	4

872
1873

1873

1873

Metric 1 2 3 4 5 6 7 8

PR CENTER FOR PALEONTOLOGY
Prairie Research Institute • University of Illinois at Urbana-Champaign

1 2 3 4 5 6 7 8 inches

Nomenclature across life

Reference Management, Citation

TaxonWorks v0.38.1 Issues

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Global Lepidoptera Index

New source

Weller, S. (1991) Revision of the *Pentobesa xylinoides* (Walker) Species Group (Lepidoptera: Notodontidae). *Proceedings of the Entomological Society of Washington*, 93(1), 795–807. [in English] Available at <https://www.biodiversitylibrary.org/page/16193480>

BibTeX Verbatim Person

BibTeX

Type: Article

Title: *Italics* Revision of the *Pentobesa xylinoides* (Walker) Species Group (Lepidoptera: Notodontidae)

Authors:

Editors:

Verbatim from BibTeX

Author(s): Weller, S.

Editor(s):

Organization:

Journal: *Proceedings of the Entomological Society of*

Institution:

How published:

BibTeX crosslinks:

Doi:

Publisher:

Isbn:

Address:

Issn:

Note:

School:

Copyright:

Annote:

Translator:

TW attributes:

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Observations, Traits, Measurements

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3i World Auchenorrhyncha Database

Edit descriptor

Type

- Qualitative (e.g. a phylogenetic character, or telegraphic description)
- Presence absence
- Quantitative (i.e continuous, e.g. a measurement)
- Sample (a statistical summary, n, min, max, std, etc.)
- Gene
- Free text
- Media

Qualitative (e.g. a phylogenetic character, or telegraphic description)

Name: Shape of aedeagus distal processes

Description:

Show more

Character states

Label	Name
0	slender
1	small toothlike
2	flattened, usually triangular
3	absent

Update Update and new

Shape of aedeagus distal processes

Observation matrix hub | Reset

28 Coloration of mesonotum apex

- 0: apex concolorous with rest of mesonotum
- 1: apex dark, contrasting with adjacent pale areas
- 2: apex pale, contrasting with rest of mesonotum

29 Shape of aedegal shaft in lateral view

- 0: straight in lateral view
- 1: curved dorsad
- 2: curved ventrad
- 3: bent dorsad near base, parallel to aedegal base

30 Body length

Min: Max: Unit: mm (1000.0) Mean: Median: Standard deviation: Standard error:

Add observations

31 Color of abdomen

- 0: pale dorsally
- 1: dark dorsally

32 Length of aedeagus ventral processes

- 0: long basal or at middle of aedeagus shaft
- 1: absent or short or apical

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3i World Auchenorrhyncha Database

An Interactive Key to Species of *Erythrula*

Key

Download PDF Version HTML Description Set: 0/0 entries

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	
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Images, Depictions

TaxonWorks v0.38.1 Issues

Tenebrionidae

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Otu

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- Rhypasma mahunkai Marcuzzi, 1976 ✓
- Rhypasma ranum Pascoe, 1871 ✓
- Rhypasma pusillum Pascoe, 1862 ✓
- Rhypasma quadricolle Fairmaire, 1904 ✓
- Rhypasma querulum Pascoe, 1871 ✓
- Rhypasma soesilae Makhan, 2010 ✓
- Rhypasma spegazzinii Marcuzzi, 2002 ✓

Coordinate OTUs

Includes

- Otus
- Collection objects
- Collection object observations
- Otu observations
- Type material
- Type material observations

Taxon name

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Root

Target All

The screenshot displays a collection of 50 insect images, likely beetles, arranged in a grid. Each image is a thumbnail showing a different specimen. A small green circular icon with a white arrow pointing up-right is located in the bottom right corner of each thumbnail. The interface on the left includes sections for filtering by OTU (with a list of species like Rhypasma costicolle, Rhypasma egae, etc.), includes (with checkboxes for various data types), and taxon name (with a search field and target dropdown). The top navigation bar shows the TaxonWorks version (v0.38.1 Issues), the current project (Tenebrionidae), and user account information (matt).

Multi-entry key engine

TaxonWorks v0.38.1 Issues Project Administration Account Sign out matt

3iWorld Auchenorrhyncha Database

Interactive key | An Interactive Key to New World Genera of Erythroneurini

Search a observation Refresh only taxa Eliminate unknowns Error tolerance Identified to rank Language Chinese Descriptor sorting Descriptor filter Keywords Reset Refresh

Used Descriptors

1. [Imaxillary plate development](#) > 达发达 (6)

Descriptors Useful for Identification

1. 分布
2. -presence of pygofer microtrichia
3. 阳茎有无背突
4. 前足腿节刚毛列
5. 后翅mp脉与cua脉的相对位置
6. 尾节背突形状
7. 阳基侧突与连索连接方式
8. 下生殖板外缘形状
9. 中足腿节刚毛着生情况
10. 阳茎干端部突起位置和长度
11. 连索侧臂长度

Remaining (6)

- *Erasmoneura* Young, 1952 ✓
- *Eratoneura* Young, 1952 ✓
- *Erythroneura* Fitch, 1851 ✓
- *Hymeita* McAtee, 1919 ✓
- *Rossmaneura* Dietrich & Dmitriev, 2006 ✓
- *Zygina (Zygina)* Fieber, 1866 ✓

Eliminated (15)

- (1) *Alnetoidia (Alnetoidia)* Dlabola, 1958 ✓
- (1) *Amazygina* Dietrich & Dmitriev, 2006 ✓
- (1) *Aztagina* Dietrich & Dmitriev, 2006 ✓
- (1) *Erythridula* Young, 1952 ✓
- (1) *Hamagina* Dietrich & Dmitriev, 2006 ✓
- (1) *Hepzygina* Dietrich & Dmitriev, 2006 ✓
- (1) *Illinigina* Dietrich & Dmitriev, 2006 ✓

Frontoclypeal medial transverse flexure

absent (49) present, slight (58) present, great (47)
 no bend (46)

Hind wing apex

broadly rounded (8) distinctly narrowed (7) truncate (6)

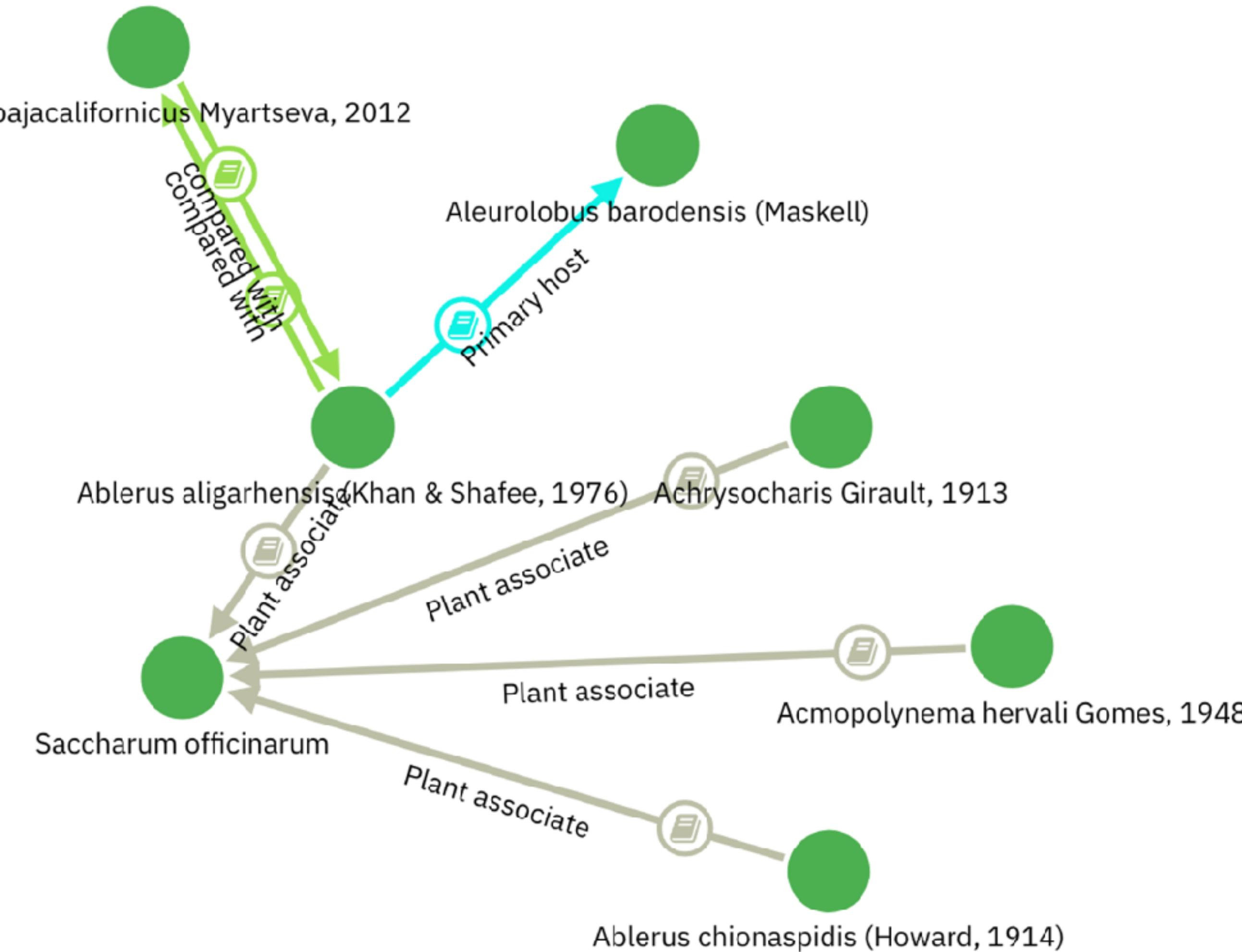
Frontoclypeal medial transverse flexure

absent (49) present, slight (58) present, great (47)
 no bend (46)

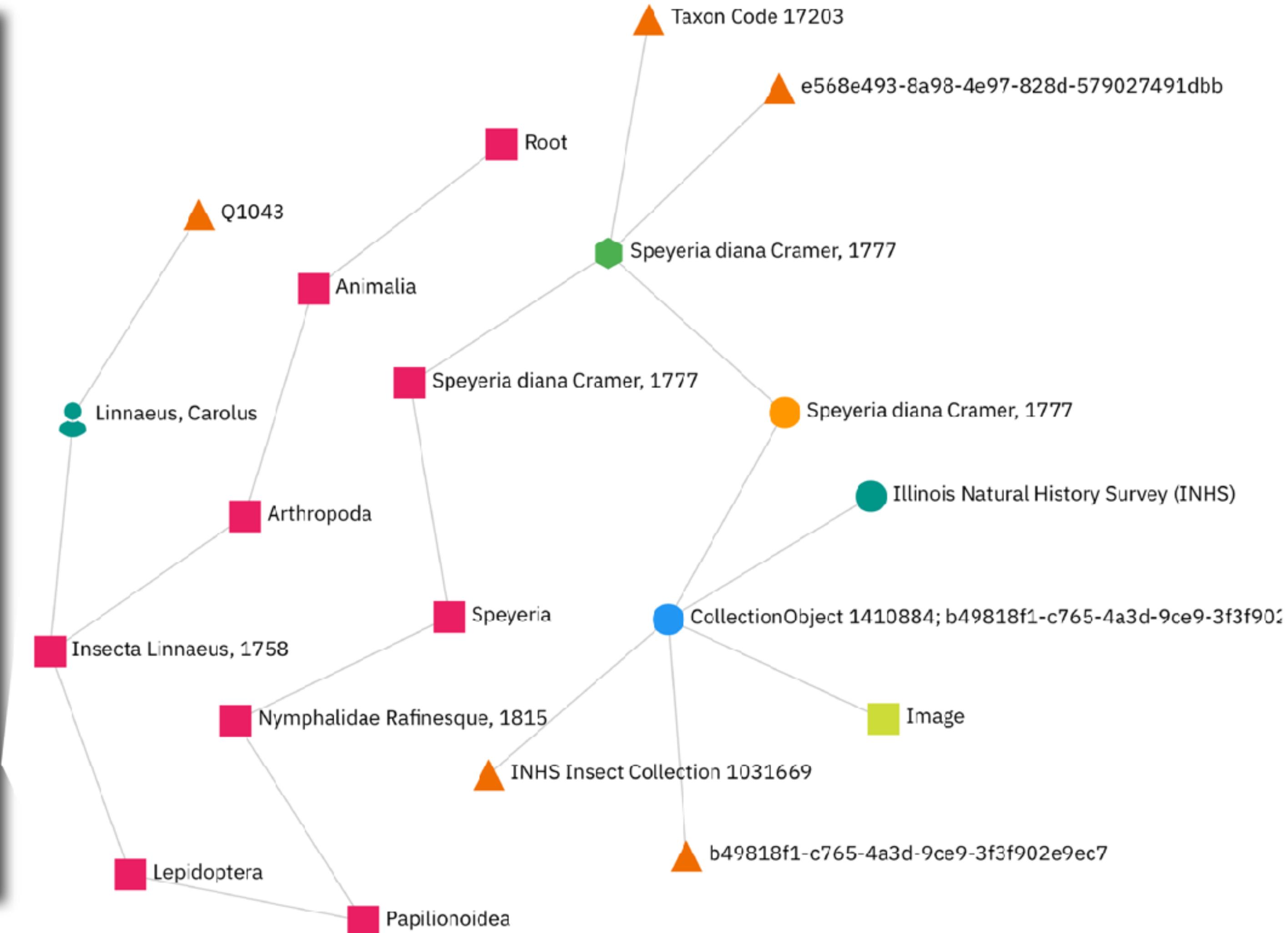
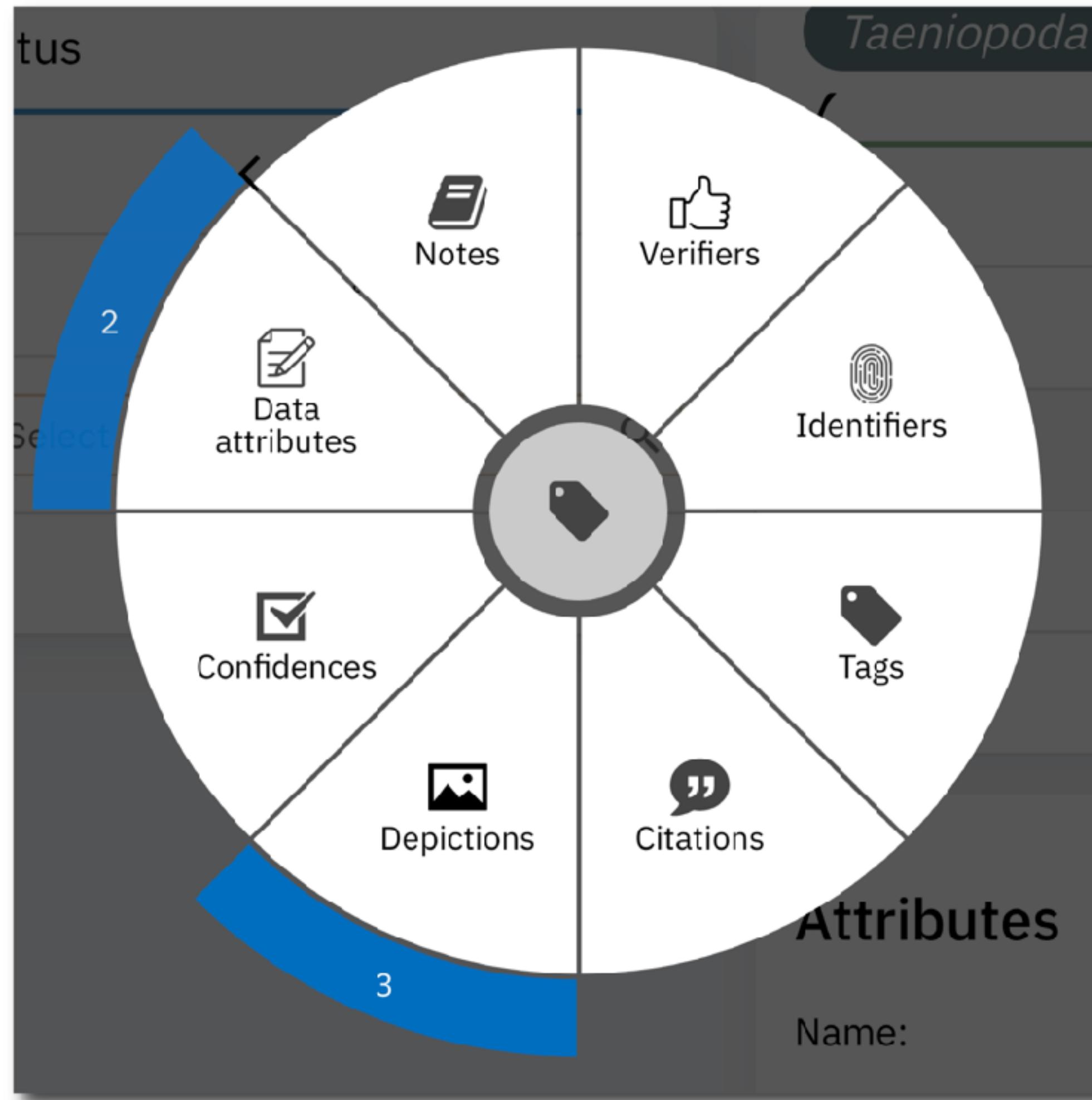
Hind wing apex

broadly rounded (8) distinctly narrowed (7) truncate (6)

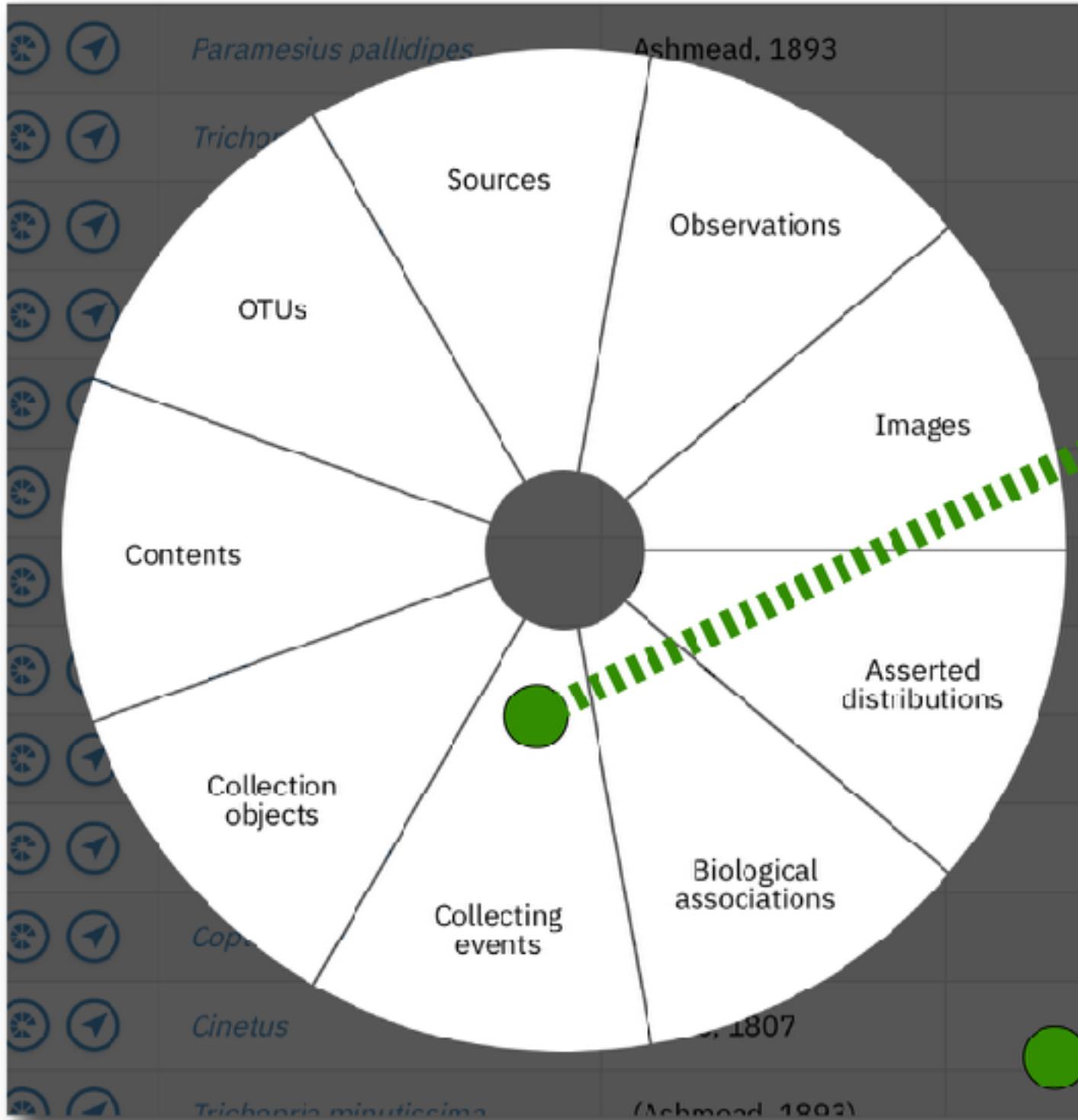
Biological Associations



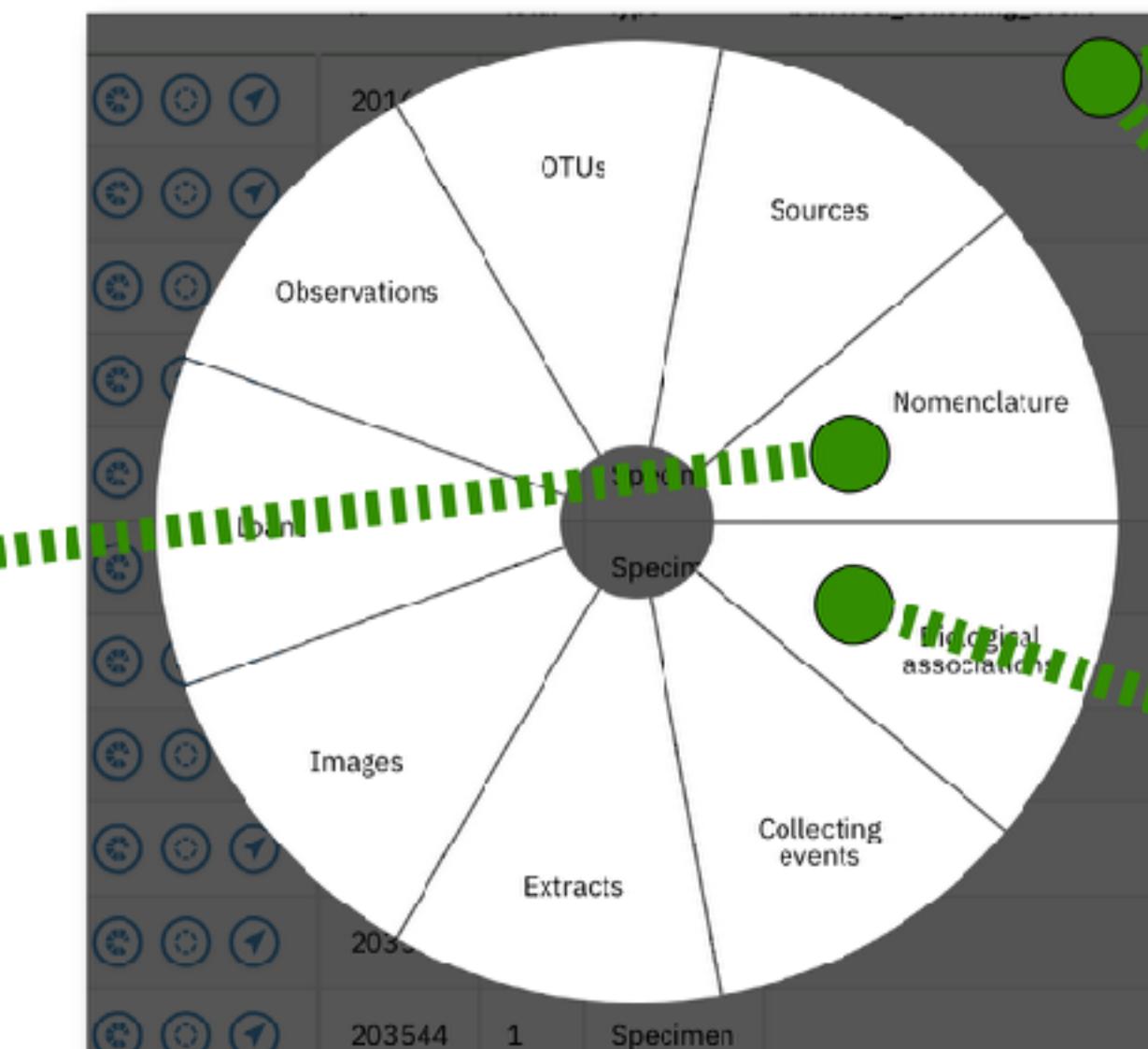
Annotate EveryTHING



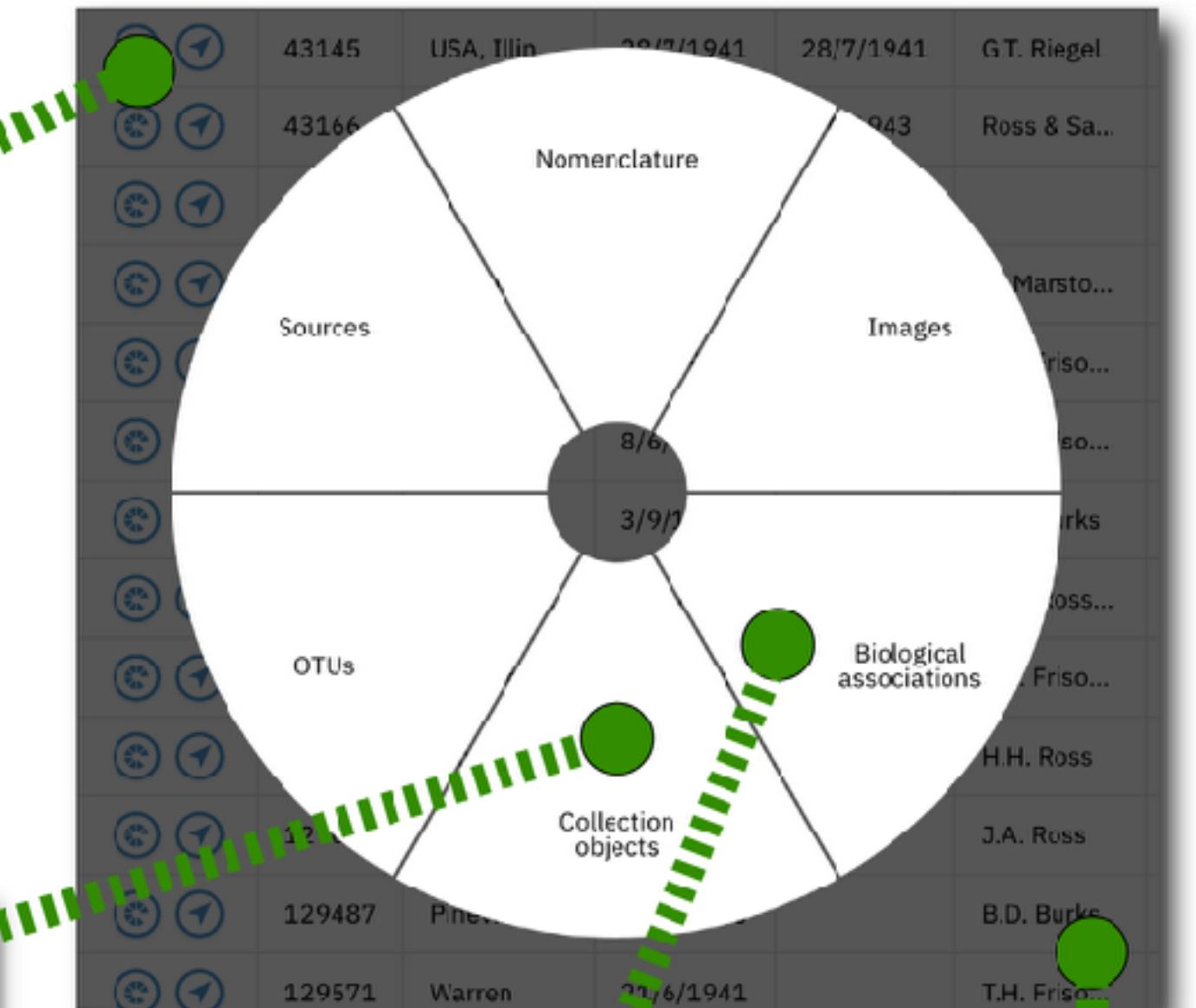
Unified Filters



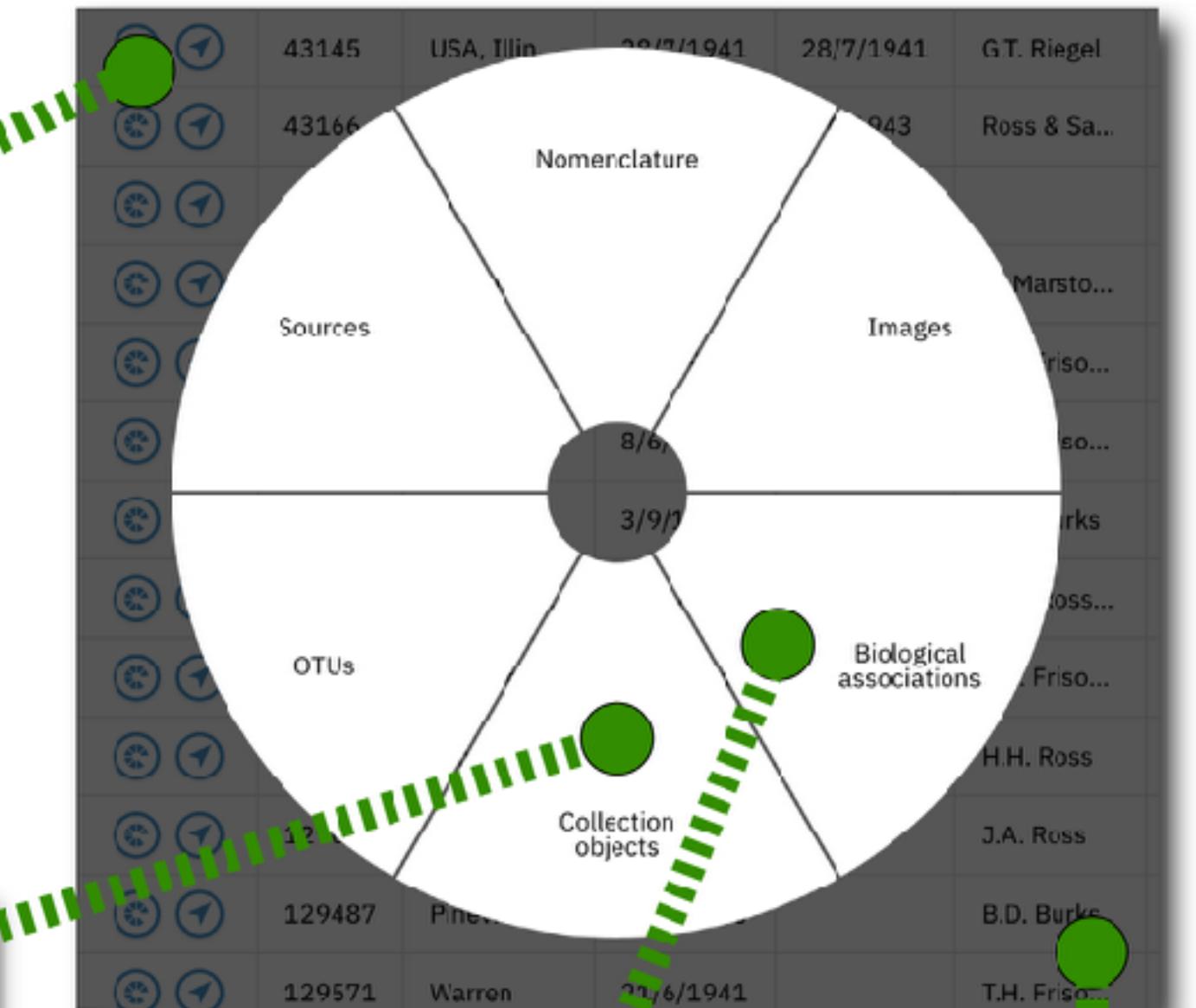
1 Nomenclature



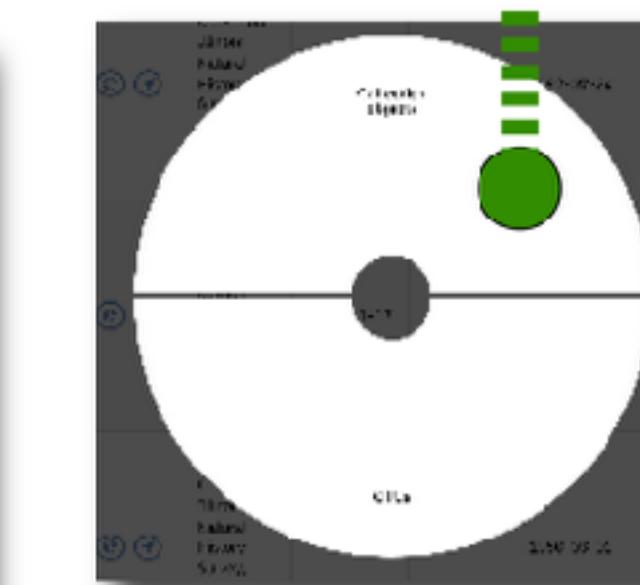
3 Collecting events



4 Biological associations



2 Collection objects



5 Loans

Tasks, Models

Alphabetical list of source authors	Asserted distributions - basic endemism	Browse OTUs	Browse annotations	Browse asserted distributions	Citations by source
Browse collecting events	Browse collection objects	Browse nomenclature and classification	Catalogue of Life (CoLP) exports	Browse asserted distributions	Citations by source
Cite OTUs	Collection object chronology	Collection object classification summary	Collection object match	Collection summary	
Compose biological relationships	Comprehensive specimen digitization	Content by nomenclature ("Bischof")	Content editor	Content publisher	
Darwin Core Archive (DwC-A) import	Download nomenclature (basic)	DwC Dashboard	Edit loans	Filter OTUs	
Filter asserted distributions	Filter biological associations	Filter collecting events	Filter collection objects	Filter contents	
Filter descriptors	Filter extracts	Filter images task	Filter loans	Filter nomenclature	
Filter observations	Filter people	Filter sources	Filter staged images	Geographic area lookup	
Geographic area usage	Ginfinder playground	Grid digitizer	Image matrix	Interactive key	

62 kinds of Things

CORE

B	Biological associations	Collecting events	Collection objects	Controlled vocabulary terms	Descriptors
A	Observations	Otus	Project sources	Sequences	Sources
	Taxon names				
SUPPORTING					
B	Asserted distributions	Biological associations graphs	Biological relationships	Character states	Collection object observations
	Collection profiles	Common names	Container items	Containers	Contents
	Depictions	Documentation	Documents	Downloads	Extracts
	Gene attributes	Geographic areas	Georeferences	Images	Import datasets
	Labels	Loan items	Loans	Namespaces	Observation matrices
	Observation matrix column items	Observation matrix row items	Organizations	Origin relationships	Otu page layouts
B	Otu relationships	People	Preparation types	Protocols	Ranged lot categories
	Repositories	Sequence relationships	Serials	Taxon determinations	Taxon name classifications
	Taxon name relationships	Type materials			
ANNOTATIONS					
	Alternate values	Attributions	Citations	Confidences	Data attributes
	Identifiers	Notes	Protocol relationships	Tags	

80+ Tasks (~apps)

New!
FieldOccurrence

Analyzing and reporting

1. Do you collaboratively gather and curate data?
2. Do you often merge data in spreadsheets?
3. Do you often update or customize the format of a report?
4. Do you or someone you would call a collaborator “script”?

Analysis and Access

“Clients”

Formats

General

Specific

User interface

SQL

Darwin Core

NeXML

Database

JSON

CoLDPU

Nexus

Console

CSV

BibTeX

TNT

Script

R, Python,
Ruby

GeoJSON

TW

Spreadsheet

many ways in and out

Is it for we? INHS ...

... has a long history

Provenance

... references taxon names

Ask us about a
sandbox account

... vouchers, and collects

... takes many images

... wants to share processes, standards, data

Hors d'oeuvres ala INHS

1 dedicated librarian (thanks Susan Braxton)

1 bowl (Zotero)

10551 references

```
23 @inproceedings{oconnell_silvery_2007,  
22   title = {Silvery carp ({Hypophthalmichthys} molitrtix) and bighead carp  
({H}. nobilis) in the {Mississippi} {River} {Basin}: occurrence data and  
dispersal patterns},  
21   abstract = {Poster presentation at the Missouri Natural Resources Confer-  
ence},  
20   author = {O'Connell, M. T. and Uzee-O'Connell, A. M. and Barko, V. A. an-  
d Chick, John H.},  
19   year = {2007},  
18   note = {Conference Proceedings},  
17 }  
16 }
```

1 reverse blender (Global Names, thanks Dmitry Mozzherin)

1 oven (Ruby script)

The INHS newsletter includes articles from the INHS staff and from the public. Two issues of the INHS newsletter are available online at <https://inhs.illinois.edu/resources/publications/>. The INHS newsletter is a peer-reviewed publication.

A screenshot of a digital library interface showing a list of publications. The publications are listed in a grid format with columns for Title, Creator, and Date. A large yellow oval highlights the year '2008' in the Date column. The publications include:

Title	Creator	Date
Preface		2008
In memoriam: Michael Robert Milligan (1951-2005)	Wang and Wetzel	2008
In memoriam: Charlie D. Drewes (1946-2005)	Wetzel	2008
Ambystoma tigrinum (tiger salamander).	Wetzel	2008
Botanical survey of Wildcat Hollow State Forest, Effing...	Kuhns and Crawford	2008
Aquatic mite Arrenurus (Megaluracarus) sensitivity to ...	Tucker et al.	2008
A replacement name for a subspecies of Dericorythina...	Yi et al.	2008
[Letter] Preserving accuracy in GenBank	Maehr	2008
Orthoptera: Tettigoniidae. Checklist Reserva Biologica ...	Bruns et al.	2008
Viability of warm-season grass seed from grazed and ...	Braun	2008
Trends in West Nile Virus Transmission in Suburban Co...	Wenny and Nýboer	2008
Sinistral Campeloma decisum (Say, 1817) (Gastropoda: ...	Lampman	2008
Simultaneous manipulations of light and phosphorus: ...	Tiemann and Cummings	2008
Notes Tags Attachments Related	Hill et al.	2008

We also maintain a searchable database of **articles, books, and other publications** authored by and written about INHS staff since 1870.

Results

1/3 of all references contain a name (3576)

20,361 names

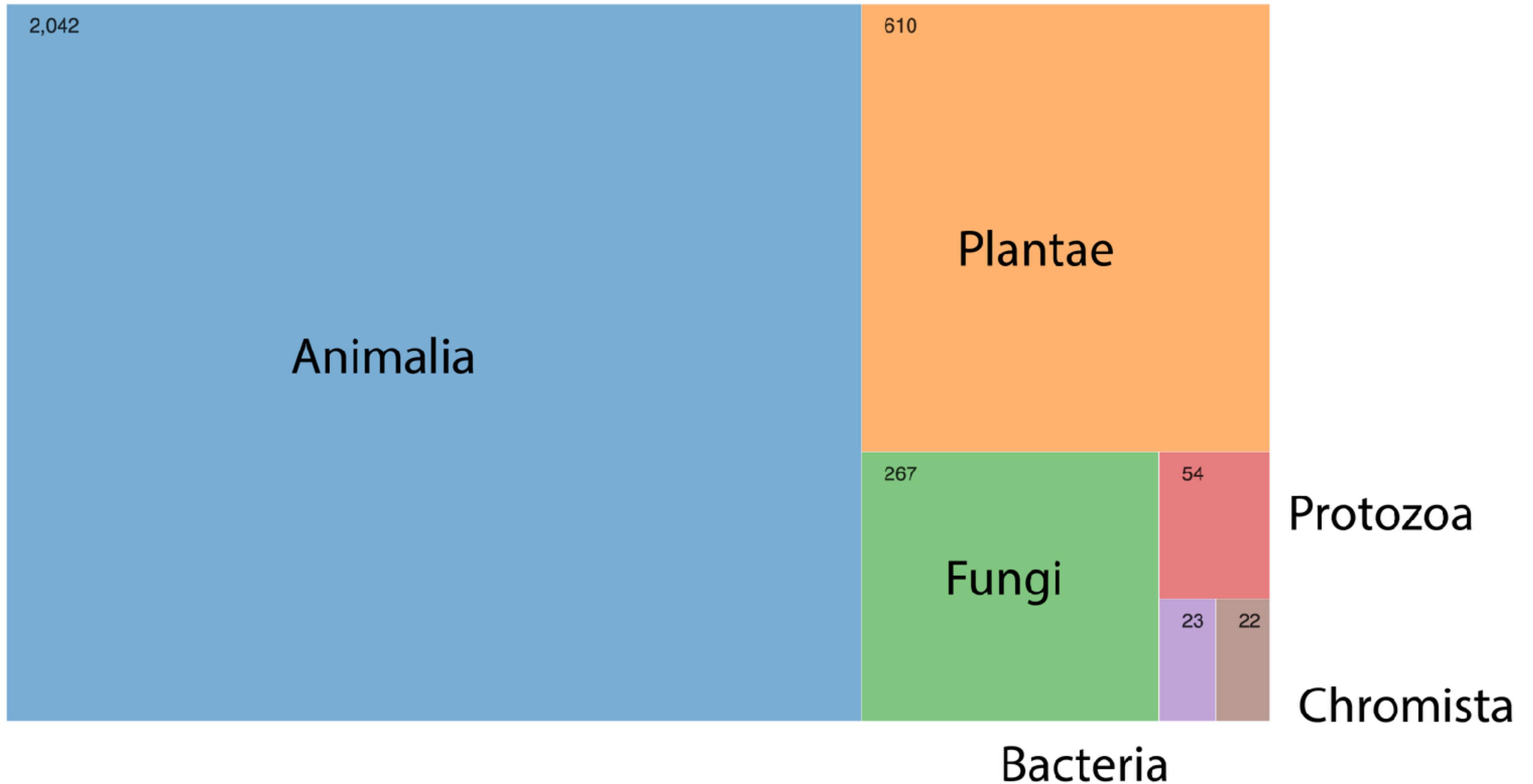
Over 5 names / reference on average

5328 unique

301 Orders (4324 unknown)

881 families (5099 unknown)

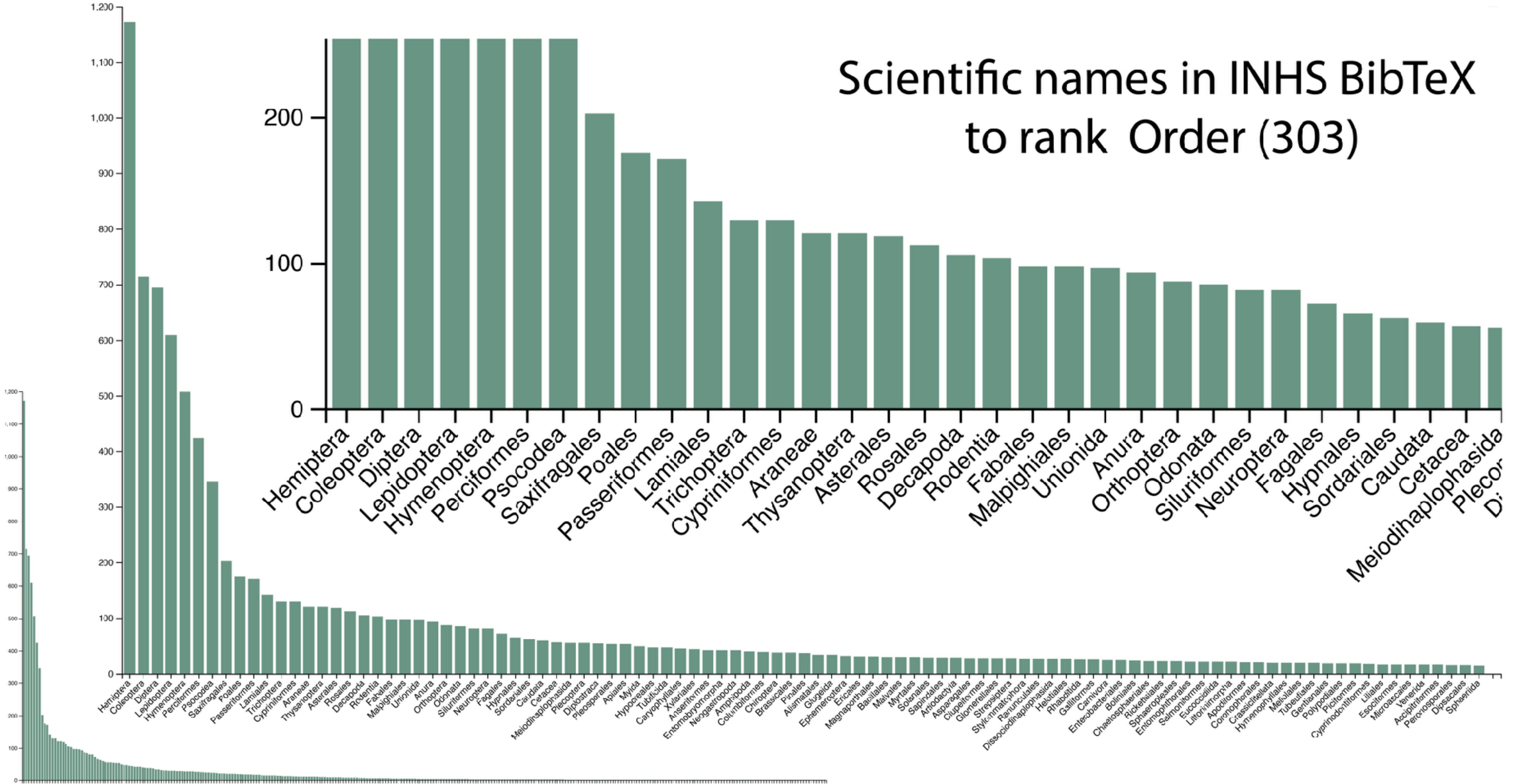
All this is
“outside” the paper!



Scientific names in INHS reference metadata by kingdom,
as reported by gnfinder*



Scientific names in INHS BibTeX to rank Order (303)



Conclusion

INHS is about biodiversity (duh!)

Long term personal efforts create potential

Interesting outcomes can come from “simple” data

Name-based expertise from the SFG can help tame
the nomenclatural axis running through the INHS

Gut check! TaxonWorks ...

... needs more ecological concepts



Transparency

... presents a world-view by convention

... takes time to migrate in to*



Managing
expectations

... growth is bound by facilitators (people)

PRI Initiatives

Unifying data and the Paradigm of “When?”

Pre publication

while you work

facilitates you

concrete needs

normalizes effort

Post publication

more to do

facilitates others

emergent discovery

duplicates effort

PRI Initiatives

Unifying data and the Paradigm of “When?”

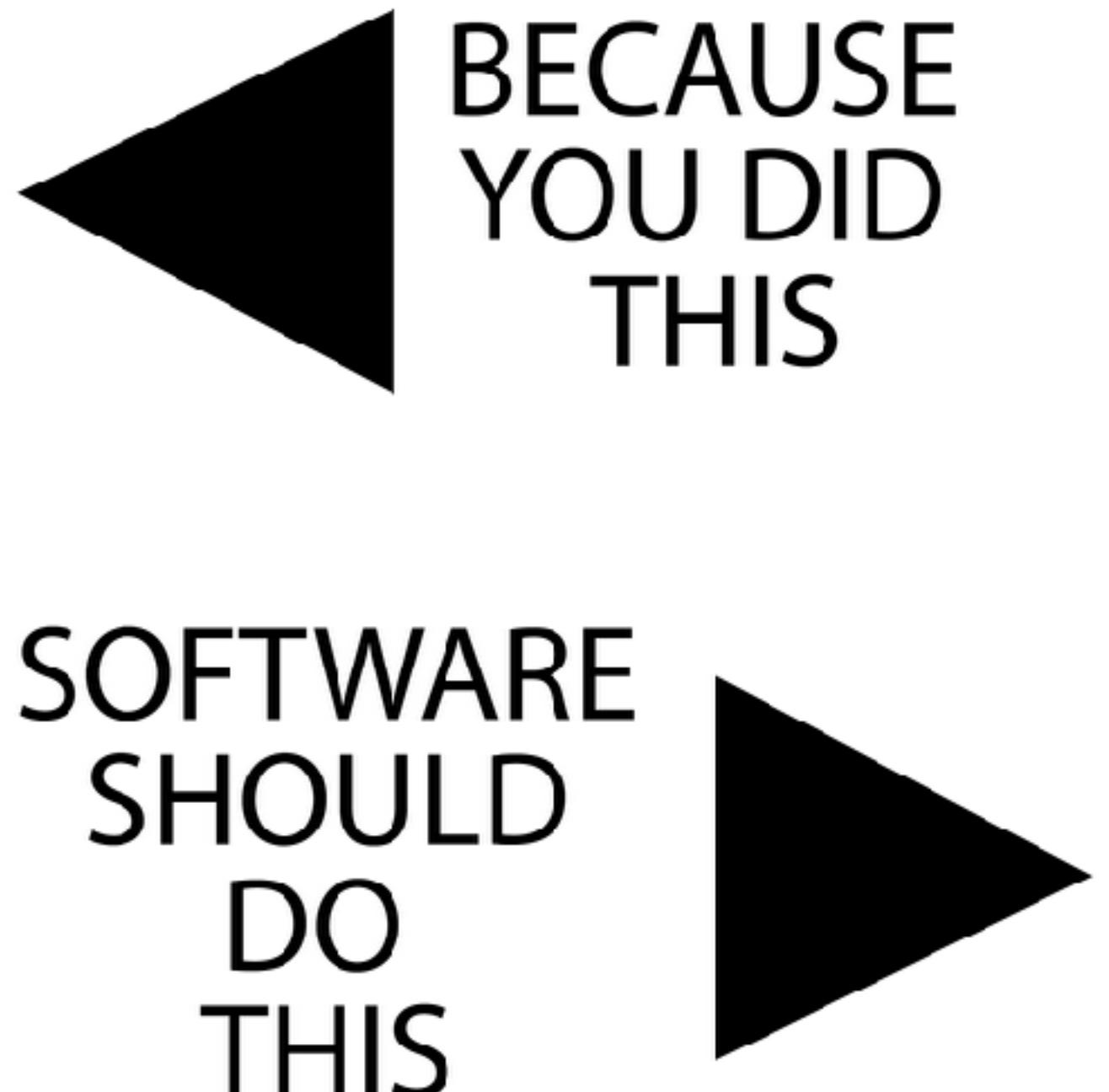
Pre publication

while you work

facilitates you

concrete needs

normalizes effort



Post publication

do more

facilitate others

emergent discovery

eliminate effort

PRI Initiatives

Unifying data and the Paradigm of “When?”

Pre publication (TaxonWorks)

1,054,835+48973= 1,103,808 “objects”

1,054,174 shared

Post publication (IDEALS)

113,620 “objects”

113,620 shared

All sorts of caveats here!

An efficient way to aggregate digital objects is to
build tools that facilitate researchers doing their own science?
... or archiving as an outcome of research processes

Reach us

Evers, 2nd floor

Wednesdays on Zoom

Chat 24/7 (Slack, Element)

Join collections workshops?

!! Watch for “conversation” slots !!

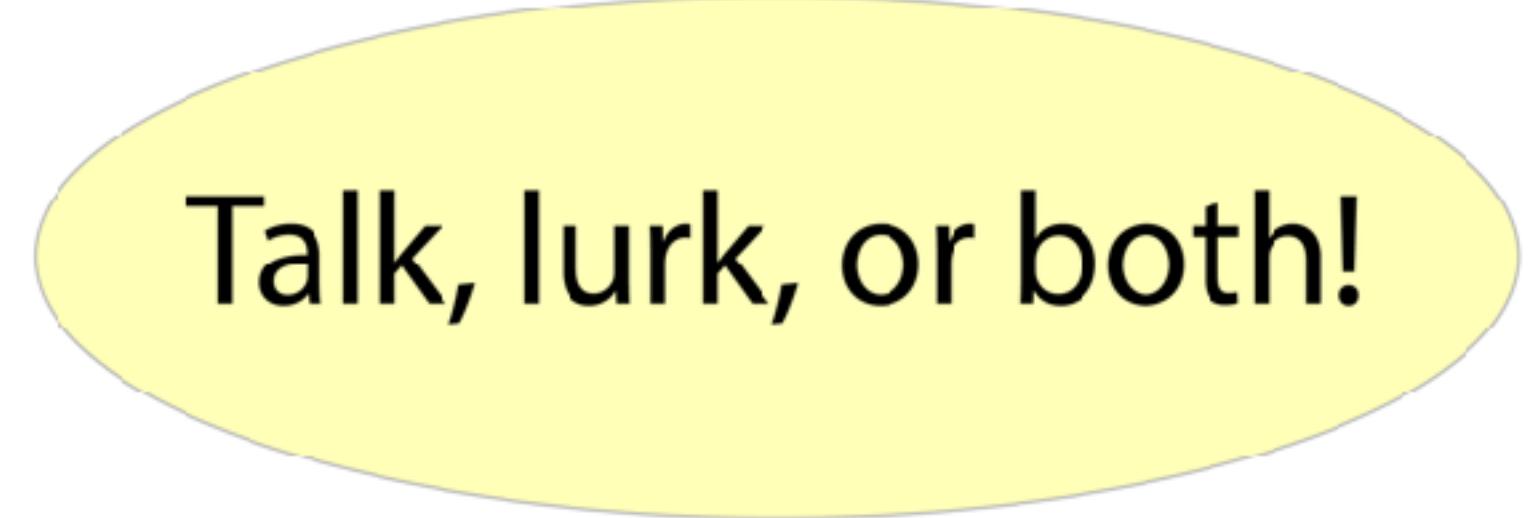
Community Liaison - Deborah Paul

TaxonWorks Together - mid May 2024

Github - <https://github.com/SpeciesFileGroup>

Mastodon - <https://fosstodon.org/@taxonworks>

speciefilegroup.org

Talk, lurk, or both!



Curate

Analyze

