A Review of Biotic Interactions and Taxon Names Found in SabinaVlad/iguanas-interactions hash://md5/26ddc117eedc49403006a3f8787ccd21

by Nomer, Elton and Preston, three naive review bots
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https://github.com/SabinaVlad/iguanas-interactions/issues

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Abstract

Life on Earth is sustained by complex interactions between organisms and their environment. These biotic interactions can be captured in datasets and published digitally. We present a review and archiving process for such an openly accessible digital interactions dataset of known origin and discuss its outcome. The dataset under review, named SabinaVlad/iguanas-interactions, has fingerprint hash://md5/26ddc117eedc49403006a3f8787ccd21, is 129KiB in size and contains 201 interactions with 7 unique types of associations (e.g., eats) between 26 primary taxa (e.g., Iguana iguana) and 118 associated taxa (e.g., Iguana iguana). This report includes detailed summaries of interaction data, a taxonomic review from multiple catalogs, and an archived version of the dataset from which the reviews are derived.

Contents

Introduction

Data Review and Archive

Data review and archiving can be a time-consuming process, especially when done manually. This review report aims to help facilitate both activities. It automates the archiving of datasets, including Darwin Core archives, and is a citable backup of a version of the dataset. Additionally, an automatic review of species interaction claims made in the dataset is generated and registered with Global Biotic Interactions (J. H. Poelen, Simons, and Mungall 2014).

This review includes summary statistics about, and observations about, the dataset under review:

> Jorrit H. Poelen. 2014. Species associations manually extracted from literature. https://zenodo.org/records/7525437/files/SabinaVlad/iguanas-interactions-V1.0.zip 2025-05-03T07:08:11.662Z hash://md5/26ddc117eedc49403006a3f8787ccd21

For additional metadata related to this dataset, please visit https://github.com/SabinaVlad/iguanas-interactions and inspect associated metadata files including, but not limited to, *README.md*, *eml.xml*, and/or *globi.json*.

Methods

The review is performed through programmatic scripts that leverage tools like Preston (Elliott et al. 2025), Elton (Kuhn, Poelen, and Leinweber 2025), Nomer (Salim and Poelen 2025), globinizer (J. Poelen, Seltmann, and Mietchen 2024) combined with third-party tools like grep, mlr, tail and head.

Table 1: Tools used in this review process

tool name	version
preston	0.10.1
elton	0.15.9

tool name	version
nomer	0.5.13
globinizer	0.4.0
mlr	6.0.0
jq	1.6
yq	4.25.3
pandoc	3.1.6.1

The review process can be described in the form of the script below [1].

```
# get versioned copy of the dataset (size approx.  129KiB) under review
elton pull SabinaVlad/iguanas-interactions

# generate review notes
elton review SabinaVlad/iguanas-interactions\
 > review.tsv

# export indexed interaction records
elton interactions SabinaVlad/iguanas-interactions\
 > interactions.tsv

# export names and align them with the Catalogue of Life using Nomer
elton names SabinaVlad/iguanas-interactions\
 | nomer append col\
 > name-alignment.tsv
```

or visually, in a process diagram.

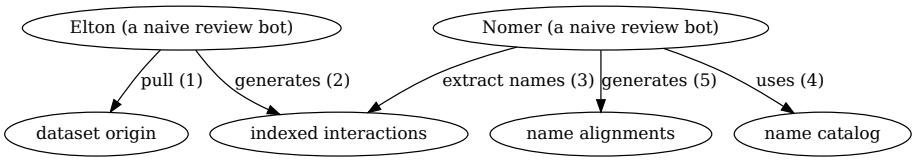

Figure 1: Review Process Overview

You can find a copy of the full review script at check-data.sh. See also GitHub and Codeberg.

[1] Note that you have to first get the data (e.g., via elton pull SabinaVlad/iguanas-interactions) before being able to generate reviews (e.g., elton review SabinaVlad/iguanas-interactions), extract interaction claims (e.g., elton interactions SabinaVlad/iguanas-interactions), or list taxonomic names (e.g., elton names SabinaVlad/iguanas-interactions)

Results

In the following sections, the results of the review are summarized [2]. Then, links to the detailed review reports are provided.

Files

The following files are produced in this review:

filename	description
biblio.bib	list of bibliographic reference of this review
check-dataset.sh	data review workflow/process as expressed in a bash script
data.zip	a versioned Preston (Elliott et al. 2025) archive of the data under review
HEAD	the digital signature of the data under review
index.docx	review in MS Word format
index.html	review in HTML format
index.md	review in Pandoc markdown format
index.pdf	review in PDF format
indexed-citations.csv.gz	list of distinct reference citations for reviewed species interaction claims in gzipped comma-separated values file format
indexed-citations.html.gz	list of distinct reference citations for reviewed species interactions claims in gzipped html file format
indexed-citations.tsv.gz	list of distinct reference citations for reviewed species interaction claims in gzipped tab-separated values format
indexed-interactions-col-family-col-family.svg	network diagram showing the taxon family to taxon family interaction claims in the dataset under review as interpreted by the Catalogue of Life via Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024)

[2]Disclaimer: The results in this review should be considered friendly, yet naive, notes from an unsophisticated robot. Please keep that in mind when considering the review results.

filename	description
indexed-interactions-col-kingdom-col-kingdom.svg	network diagram showing the taxon kingdom to taxon kingom interaction claims in the dataset under review as interpreted by the Catalogue of Life via Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024)
indexed-interactions.csv.gz	species interaction claims indexed from the dataset under review in gzipped comma-separated values format
indexed-interactions.html.gz	species interaction claims indexed from the dataset under review in gzipped html format
indexed-interactions.tsv.gz	species interaction claims indexed from the dataset under review in gzipped tab-separated values format
indexed-interactions-sample.csv	list of species interaction claims indexed from the dataset under review in gzipped comma-separated values format
indexed-interactions-sample.html	first 500 species interaction claims indexed from the dataset under review in html format
indexed-interactions-sample.tsv	first 500 species interaction claims indexed from the dataset under review in tab-separated values format
indexed-names.csv.gz	taxonomic names indexed from the dataset under review in gzipped comma-separated values format
indexed-names.html.gz	taxonomic names found in the dataset under review in gzipped html format
indexed-names.tsv.gz	taxonomic names found in the dataset under review in gzipped tab-separated values format
indexed-names-resolved-col.csv.gz	taxonomic names found in the dataset under review aligned with the Catalogue of Life as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format

filename	description
indexed-names-resolved-col.html.gz	taxonomic names found in the dataset under review aligned with the Catalogue of Life as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-col.tsv.gz	taxonomic names found in the dataset under review aligned with the Catalogue of Life as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-discoverlife.csv.gz	taxonomic names found in the dataset under review aligned with Discover Life bee species checklist as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format
indexed-names-resolved-discoverlife.html.gz	taxonomic names found in the dataset under review aligned with Discover Life bee species checklist as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-discoverlife.tsv.gz	taxonomic names found in the dataset under review aligned with Discover Life bee species checklist as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-gbif.csv.gz	taxonomic names found in the dataset under review aligned with GBIF Backbone Taxonomy as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format

filename	description
indexed-names-resolved-gbif.html.gz	taxonomic names found in the dataset under review aligned with GBIF Backbone Taxonomy as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-gbif.tsv.gz	taxonomic names found in the dataset under review aligned with GBIF Backbone Taxonomy as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-itis.csv.gz	taxonomic names found in the dataset under review aligned with Integrated Taxonomic Information System (ITIS) as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format
indexed-names-resolved-itis.html.gz	taxonomic names found in the dataset under review aligned with Integrated Taxonomic Information System (ITIS) as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-itis.tsv.gz	taxonomic names found in the dataset under review aligned with Integrated Taxonomic Information System (ITIS) as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-mdd.csv.gz	taxonomic names found in the dataset under review aligned with the Mammal Diversity Database as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format

filename	description
indexed-names-resolved-mdd.html.gz	taxonomic names found in the dataset under review aligned with Mammal Diversity Database as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-mdd.tsv.gz	taxonomic names found in the dataset under review aligned with Mammal Diversity Database as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-ncbi.csv.gz	taxonomic names found in the dataset under review aligned with the NCBI Taxonomy as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format
indexed-names-resolved-ncbi.html.gz	taxonomic names found in the dataset under review aligned with the NCBI Taxonomy as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-ncbi.tsv.gz	taxonomic names found in the dataset under review aligned with the NCBI Taxonomy as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-pbdb.csv.gz	taxonomic names found in the dataset under review aligned with the Paleobiology Database as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format

filename	description
indexed-names-resolved-pbdb.html.gz	taxonomic names found in the dataset under review aligned with Paleobiology Database as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-pbdb.tsv.gz	taxonomic names found in the dataset under review aligned with Paleobiology Database as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-tpt.csv.gz	taxonomic names found in the dataset under review aligned with the Terrestrial Parasite Tracker (TPT) Taxonomic Resource as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format
indexed-names-resolved-tpt.html.gz	taxonomic names found in the dataset under review aligned with the Terrestrial Parasite Tracker (TPT) Taxonomic Resource as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-tpt.tsv.gz	taxonomic names found in the dataset under review aligned with the Terrestrial Parasite Tracker (TPT) Taxonomic Resource as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-wfo.csv.gz	taxonomic names found in the dataset under review aligned with the World of Flora Online as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format

filename	description
indexed-names-resolved-wfo.html.gz	taxonomic names found in the dataset under review aligned with the World of Flora Online as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-wfo.tsv.gz	taxonomic names found in the dataset under review aligned with the World of Flora Online as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-resolved-worms.csv.gz	taxonomic names found in the dataset under review aligned with the World Register of Marine Species (WoRMS) as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped comma-separated values format
indexed-names-resolved-worms.html.gz	taxonomic names found in the dataset under review aligned with the World Register of Marine Species (WoRMS) as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped html format
indexed-names-resolved-worms.tsv.gz	taxonomic names found in the dataset under review aligned with the World Register of Marine Species (WoRMS) as accessed through the Nomer Corpus of Taxonomic Resources (J. H. (ed.). Poelen 2024) in gzipped tab-separated values format
indexed-names-sample.csv	first 500 taxonomic names found in the dataset under review in comma-separated values format
indexed-names-sample.html	first 500 taxonomic names found in the dataset under review in html format
indexed-names-sample.tsv	first 500 taxonomic names found in the dataset under review in tab-separated values format
interaction.svg	diagram summarizing the data model used to index species interaction claims

filename	description
nanopub-sample.trig	first 500 species interaction claims as expressed in the nanopub format (Kuhn and Dumontier 2014)
nanopub.trig.gz	species interaction claims as expressed in the nanopub format (Kuhn and Dumontier 2014)
process.svg	diagram summarizing the data review processing workflow
prov.nq	origin of the dataset under review as expressed in rdf/nquads
review.csv.gz	review notes associated with the dataset under review in gzipped comma-separated values format
review.html.gz	review notes associated with the dataset under review in gzipped html format
review.tsv.gz	review notes associated with the dataset under review in gzipped tab-separated values format
review-sample.csv	first 500 review notes associated with the dataset under review in comma-separated values format
review-sample.html	first 500 review notes associated with the dataset under review in html format
review-sample.tsv	first 500 review notes associated with the dataset under review in tab-separated values format
review.svg	a review badge generated as part of the dataset review process
zenodo.json	metadata of this review expressed in Zenodo record metadata

Archived Dataset

Note that *data.zip* file in this archive contains the complete, unmodified archived dataset under review.

Biotic Interactions

In this review, biotic interactions (or biotic associations) are modeled as a primary (aka subject, source) organism interacting with an associate (aka object, target) organism. The dataset under review classified the primary/associate

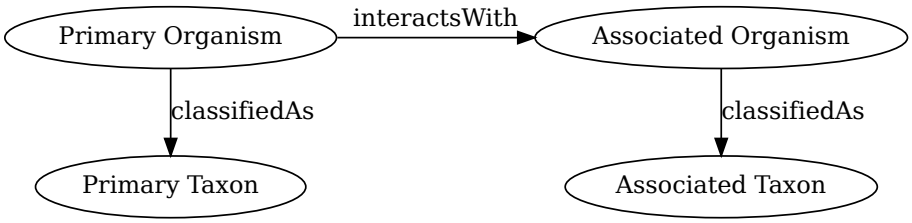

Figure 2: Biotic Interaction Data Model

organisms with specific taxa. The primary and associate organisms The kind of interaction is documented as an interaction type.

The dataset under review, named SabinaVlad/iguanas-interactions, has fingerprint hash://md5/26ddc117eedc49403006a3f8787ccd21, is 129KiB in size and contains 201 interactions with 7 unique types of associations (e.g., eats) between 26 primary taxa (e.g., Iguana iguana) and 118 associated taxa (e.g., Iguana iguana).

An exhaustive list of indexed interaction claims can be found in gzipped csv and tsv archives. To facilitate discovery, a preview of claims available in the gzipped html page at indexed-interactions.html.gz are shown below.

The exhaustive list was used to create the following data summaries below.

Table 3: Sample of Indexed Interaction Claims

sourceTaxonName	interactionTypeName	targetTaxonName	referenceCitation
Capra hircus	interactsWith	Iguana iguana	van den Burg, M. P., Madden, H., & Debrot, A. O. (2022). Population estimate, natural history and conservation of the melanistic Iguana iguana population on Saba, Caribbean Netherlands. bioRxiv.

sourceTaxonName	interactionTypeName	targetTaxonName	referenceCitation
Iguana iguana	eats	Laguncularia racemosa	López-Torres, A. L., Claudio-Hernández, H. J., Rodriguez-Gomez, C. A., Longo, A. V., & Joglar, R. L. (2012). Green Iguanas (Iguana iguana) in Puerto Rico: is it time for management?. Biological invasions, 14(1), 35-45.
Herpestidae	preysOn	Iguana iguana	López-Torres, A. L., Claudio-Hernández, H. J., Rodriguez-Gomez, C. A., Longo, A. V., & Joglar, R. L. (2012). Green Iguanas (Iguana iguana) in Puerto Rico: is it time for management?. Biological invasions, 14(1), 35-45.

sourceTaxonName	interactionTypeName	targetTaxonName	referenceCitation
Canis familiaris	preysOn	Iguana iguana	López-Torres, A. L., Claudio-Hernández, H. J., Rodriguez-Gomez, C. A., Longo, A. V., & Joglar, R. L. (2012). Green Iguanas (Iguana iguana) in Puerto Rico: is it time for management?. Biological invasions, 14(1), 35-45.

Table 4: Most Frequently Mentioned Interaction Types (up to 20 most frequent)

interactionTypeName	count
eats	138
preysOn	31
hasEndoparasite	13
interactsWith	10
coOccursWith	3
hasHost	3
hasHabitat	3

Table 5: Most Frequently Mentioned Primary Taxa (up to 20 most frequent)

sourceTaxonName	count
Iguana iguana	133
Dasyprocta punctata	22
Canis familiaris	7
Homo sapiens	5
Cyclura lewisi	3
Herpestidae	2
Felis catus	2
Coragyps atratus	2

sourceTaxonName	count
Cathartes aura	2
Basiliscus basiliscus	2
Ctenosaura similis	2
Trimorphodon biscutatus	2
Philander opossum	2
Quiscalus	2
Helicobacter	2
Capra hircus	1
Oxybelis aeneus	1
Leptodeira annulata	1
Loxocemus bicolor	1

Table 6: Most Frequently Mentioned Associate Taxa (up to 20 most frequent)

targetTaxonName	count
Iguana iguana	42
Bursera simaruba	5
Ipomoea	4
Guapira discolor	4
Ficus aurea	4
Laguncularia racemosa	3
Cecropia peltata	3
Ficus	3
Cyclura lewisi	3
Persea americana	3
Astrocaryum standleyana	3
Syzygium malaccense	3
Dermochelys coriacea	2
Cucumis	2
Spondias mombin	2
Tecoma stans	2
Operculina pteripes	2
Momordica charantia	2
Cardiospermum grandiflorum	2

Table 7: Most Frequent Interactions between Primary and Associate Taxa (up to 20 most frequent)

sourceTaxonName	interactionTypeName	targetTaxonName	count
Canis familiaris	preysOn	Iguana iguana	6
Iguana iguana	eats	Bursera simaruba	4
Iguana iguana	eats	Ipomoea	4
Iguana iguana	eats	Laguncularia racemosa	3
Iguana iguana	eats	Cecropia peltata	3
Iguana iguana	eats	Ficus	3
Dasyprocta punctata	eats	Persea americana	3
Dasyprocta punctata	eats	Astrocaryum standleyana	3
Dasyprocta punctata	eats	Syzygium malaccense	3
Iguana iguana	eats	Guapira discolor	3
Iguana iguana	eats	Ficus aurea	3
Herpestidae	preysOn	Iguana iguana	2
Felis catus	preysOn	Iguana iguana	2
Iguana iguana	interactsWith	Dermochelys coriacea	2
Iguana iguana	eats	Cucumis	2
Coragyps atratus	preysOn	Iguana iguana	2
Cathartes aura	preysOn	Iguana iguana	2
Basiliscus basiliscus	preysOn	Iguana iguana	2
Ctenosaura similis	preysOn	Iguana iguana	2

Interaction Networks

The figures below provide a graph view on the dataset under review. The first shows a summary network on the kingdom level, and the second shows how interactions on the family level. It is important to note that both network graphs were first aligned taxonomically using the Catalogue of Life. Please refer to the original (or verbatim) taxonomic names for a more original view on the interaction data.

You can download the indexed dataset under review at indexed-interactions.csv .gz. A tab-separated file can be found at indexed-interactions.tsv.gz

Learn more about the structure of this download at GloBI website, by opening a GitHub issue, or by sending an email.

Another way to discover the dataset under review is by searching for it on the GloBI website.

Taxonomic Alignment

As part of the review, all names are aligned against various name catalogs (e.g., col, ncbi, discoverlife, gbif, itis, wfo, mdd, tpt, pbdb, and worms). These

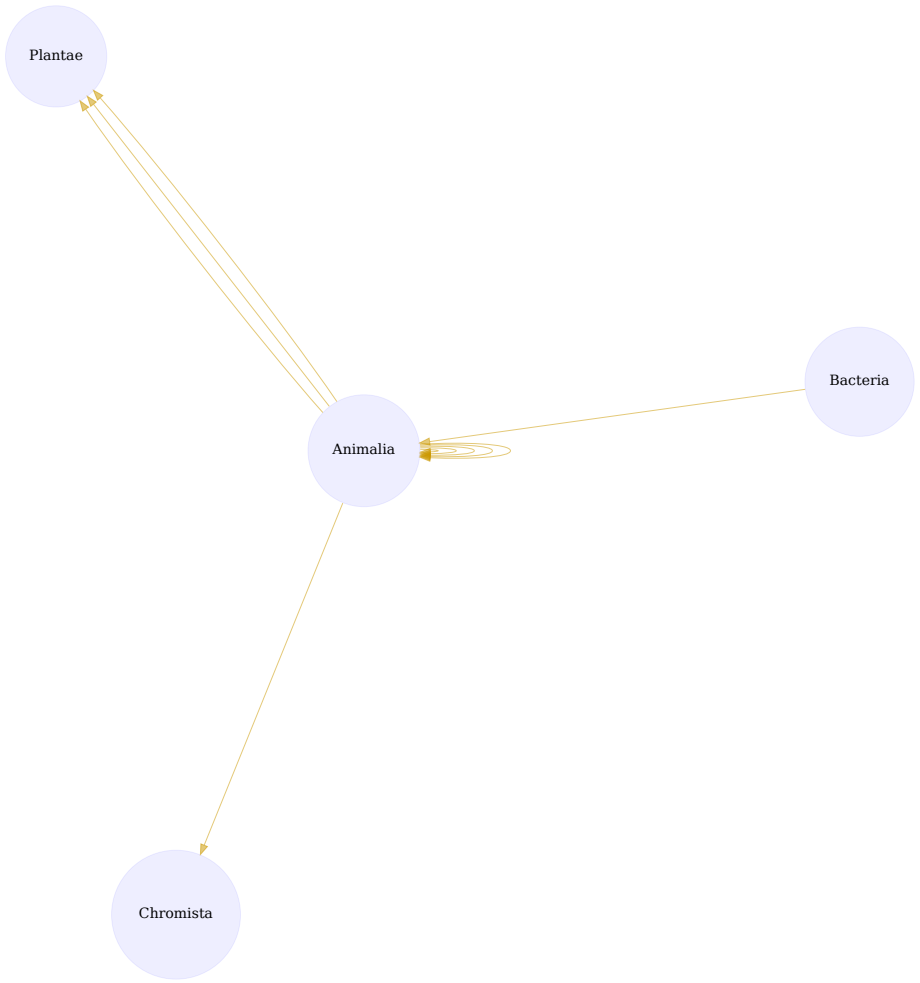

Figure 3: Interactions on taxonomic kingdom rank as interpreted by the Catalogue of Life download svg

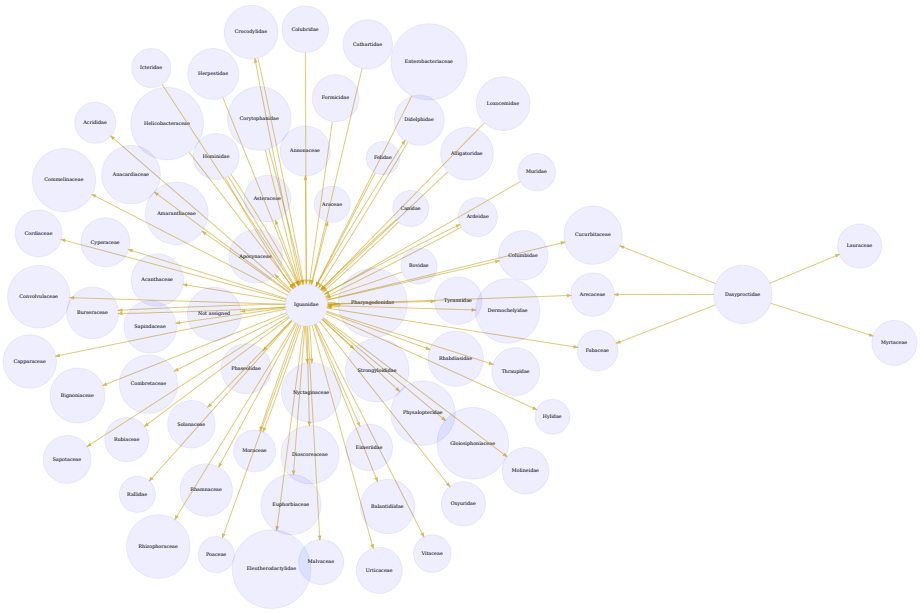

Figure 4: Interactions on the taxonomic family rank as interpreted by the Catalogue of Life. download svg

alignments can help review name usage or aid in selecting of a suitable taxonomic name resource.

Table 8: Sample of Name Alignments

providedName	relationName	resolvedCatalogName	resolvedName
Eugenia stipitata	HAS_ACCEPTED_NAME	col	Eugenia stipitata
Physaloptera	HAS_ACCEPTED_NAME	col	Physaloptera
Rattus	HAS_ACCEPTED_NAME	col	Rattus
Bubulcus ibis	HAS_ACCEPTED_NAME	col	Bubulcus ibis

Table 9: Distribution of Taxonomic Ranks of Aligned Names by Catalog. Names that were not aligned with a catalog are counted as NAs. So, the total number of unaligned names for a catalog will be listed in their NA row.

resolvedCatalogName	resolvedRank	count
col	NA	5
col	class	1
col	family	10

resolvedCatalogName	resolvedRank	count
col	genus	41
col	order	1
col	section	1
col	species	83
col	subfamily	1
col	subspecies	3
discoverlife	NA	141
gbif	NA	2
gbif	class	1
gbif	family	10
gbif	genus	45
gbif	order	1
gbif	species	83
gbif	subspecies	4
itis	NA	17
itis	class	1
itis	family	10
itis	genus	36
itis	order	1
itis	species	74
itis	subspecies	2
mdd	NA	141
ncbi	NA	4
ncbi	class	1
ncbi	family	9
ncbi	genus	42
ncbi	order	1
ncbi	species	83
ncbi	subgenus	1
ncbi	subspecies	1
pbdb	NA	89
pbdb	class	1
pbdb	family	10
pbdb	genus	19
pbdb	order	1
pbdb	species	21
pbdb	unranked clade	2
tpt	NA	124
tpt	family	2
tpt	genus	2
tpt	species	13
wfo	NA	50
wfo	family	7
wfo	genus	27

resolvedCatalogName	resolvedRank	count
wfo	species	57
worms	NA	70
worms	class	1
worms	family	8
worms	genus	30
worms	order	1
worms	species	31

Table 10: Name relationship types per catalog. Name relationship type "NONE" means that a name was not recognized by the associated catalog. "SAME_AS" indicates either a "HAS_ACCEPTED_NAME" or "SYNONYM_OF" name relationship type. We recognize that "SYNONYM_OF" encompasses many types of nomenclatural synonymies (ICZN 1999) (e.g., junior synonym, senior synonyms).

resolvedCatalogName	relationName	count
col	HAS_ACCEPTED_NAME	137
col	NONE	5
col	SYNONYM_OF	26
discoverlife	NONE	143
gbif	HAS_ACCEPTED_NAME	165
gbif	SYNONYM_OF	50
gbif	NONE	2
itis	NONE	18
itis	HAS_ACCEPTED_NAME	120
itis	SYNONYM_OF	16
mdd	NONE	137
mdd	HAS_ACCEPTED_NAME	6
ncbi	SAME_AS	134
ncbi	SYNONYM_OF	9
ncbi	NONE	4
pbdb	NONE	90
pbdb	HAS_ACCEPTED_NAME	56
pbdb	SYNONYM_OF	1
tpt	NONE	126
tpt	HAS_ACCEPTED_NAME	17
wfo	HAS_ACCEPTED_NAME	85
wfo	NONE	51
wfo	SYNONYM_OF	16
wfo	HAS_UNCHECKED_NAME	2
worms	NONE	71

resolvedCatalogName	relationName	count
worms	HAS_ACCEPTED_NAME	78
worms	SYNONYM_OF	3

Table 11: List of Available Name Alignment Reports

catalog name	alignment results
col	associated names alignments report in gzipped html, csv, and tsv)
ncbi	associated names alignments report in gzipped html, csv, and tsv)
discoverlife	associated names alignments report in gzipped html, csv, and tsv)
gbif	associated names alignments report in gzipped html, csv, and tsv)
itis	associated names alignments report in gzipped html, csv, and tsv)
wfo	associated names alignments report in gzipped html, csv, and tsv)
mdd	associated names alignments report in gzipped html, csv, and tsv)
tpt	associated names alignments report in gzipped html, csv, and tsv)
pbdb	associated names alignments report in gzipped html, csv, and tsv)
worms	associated names alignments report in gzipped html, csv, and tsv)

Additional Reviews

Elton, Nomer, and other tools may have difficulties interpreting existing species interaction datasets. Or, they may misbehave, or otherwise show unexpected behavior. As part of the review process, detailed review notes are kept that document possibly misbehaving, or confused, review bots. An sample of review notes associated with this review can be found below.

Table 12: First few lines in the review notes.

reviewDate	reviewCommentType	reviewComment
2025-05-05T04:19:47Z	summary	https://zenodo.org/records/7525437/files/SabinaVlad/ig interactions-V1.0.zip
2025-05-05T04:19:47Z	summary	201 interaction(s)

reviewDate	reviewCommentType	reviewComment
2025-05-05T04:19:47Z	summary	0 note(s)
2025-05-05T04:19:47Z	summary	201 info(s)

In addition, you can find the most frequently occurring notes in the table below.

: Most frequently occurring review notes, if any.

For additional information on review notes, please have a look at the first 500 Review Notes in html format or the download full gzipped csv or tsv archives.

GloBI Review Badge

As part of the review, a review badge is generated. This review badge can be included in webpages to indicate the review status of the dataset under review.

Figure 5: Picture of a GloBI Review Badge [3]

Note that if the badge is green, no review notes were generated. If the badge is yellow, the review bots may need some help with interpreting the species interaction data.

GloBI Index Badge

If the dataset under review has been registered with GloBI, and has been succesfully indexed by GloBI, the GloBI Index Status Badge will turn green. This means that the dataset under review was indexed by GloBI and is available through GloBI services and derived data products.

Figure 6: Picture of a GloBI Index Badge [4]

If you'd like to keep track of reviews or index status of the dataset under review, please visit GloBI's dataset index [5] for badge examples.

[3] Up-to-date status of the GloBI Review Badge can be retrieved from the GloBI Review Depot

[4] Up-to-date status of the GloBI Index Badge can be retrieved from GloBI's API

[5] At time of writing (2025-05-05) the version of the GloBI dataset index was available at https://globalbioticinteractions.org/datasets

Discussion

This review and archive provides a means of creating citable versions of datasets that change frequently. This may be useful for dataset managers, including natural history collection data managers, as a backup archive of a shared Darwin Core archive. It also serves as a means of creating a trackable citation for the dataset in an automated way, while also including some information about the contents of the dataset.

This review aims to provide a perspective on the dataset to aid in understanding of species interaction claims discovered. However, it is important to note that this review does *not* assess the quality of the dataset. Instead, it serves as an indication of the open-ness[6] and FAIRness (Wilkinson et al. 2016; Trekels et al. 2023) of the dataset: to perform this review, the data was likely openly available, **F**indable, **A**ccessible, **I**nteroperable and **R**eusable. The current Open-FAIR assessment is qualitative, and a more quantitative approach can be implemented with specified measurement units.

This report also showcases the reuse of machine-actionable (meta)data, something highly recommended by the FAIR Data Principles (Wilkinson et al. 2016). Making (meta)data machine-actionable enables more precise procesing by computers, enabling even naive review bots like Nomer and Elton to interpret the data effectively. This capability is crucial for not just automating the generation of reports, but also for facilitating seamless data exchanges, promoting interoperability.

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Author contributions

Nomer was responsible for name alignments. Elton carried out dataset extraction, and generated the review notes. Preston tracked, versioned, and packaged, the dataset under review.

[6]According to http://opendefinition.org/: "Open data is data that can be freely used, re-used and redistributed by anyone - subject only, at most, to the requirement to attribute and sharealike."

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