

Integração de identificadores Wikidata para o aumento de FAIRness dos datasets



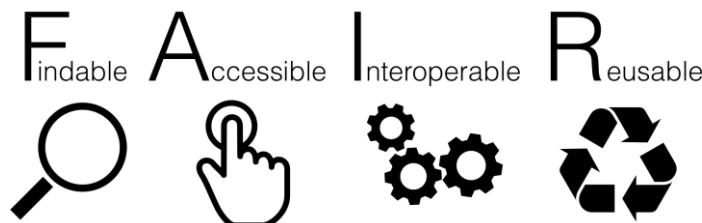
CENTRE FOR
FUNCTIONAL
ECOLOGY

Joaquim Santos
Herbário da Universidade de Coimbra
joaquim.santos@uc.pt

FAIR Data Principles

Wilkinson, M., Dumontier, M., Aalbersberg, I. et al. The FAIR Guiding Principles for scientific data management and stewardship. *Sci Data* **3**, 160018 (2016). <https://doi.org/10.1038/sdata.2016.18>

Findable (Localizável)	Identificadores persistentes (PIDs), fornecer metadados, registrar os dados num recurso pesquisável ou repositório.
Accessible (Acessível)	Acessível pelo PID usando um protocolo standard, os metadados devem permanecer acessíveis mesmo que os dados não.
Interoperable (Interoperável)	Usar linguagens formais e amplamente aplicáveis, usar vocabulários padrão, referências qualificadas a outros recursos.
Reusable (Reutilizável)	Metadados com qualidade, licença e proveniência com clareza, utilização de padrões da comunidade da disciplina.



User:SangyaPundir, CC BY-SA 4.0, via Wikimedia Commons



A Wikidata é um projeto da família Wikimedia para criar uma base de dados aberta e colaborativa.

Armazena dados relacionais sobre entidades.



- Dados estruturados
- Multilíngue
- Qualquer pessoa pode editar
- Licença CC0
- Queryable: SPARQL / API
- Hub de identificadores
- Reutilização de dados
- Linked Open Data

título

Joaquim Santos (Q57248743)

QID

(item identifier)

descrição

Portuguese biologist and collection manager

 edit

Joaquim Miguel Nunes dos Santos | J. Santos

aliases

Language	Label	Description	Also known as
English	Joaquim Santos	Portuguese biologist and collection manager	Joaquim Miguel Nunes dos Sant... J. Santos
Portuguese	Joaquim Santos	No description defined	
French	Joaquim Santos	No description defined	
Spanish	Joaquim Santos	No description defined	
Asturian	Joaquim Santos	No description defined	
German	Joaquim Santos	portugiesischer Biologe und Sammlungsmanager	
Hindi	No label defined	वैज्ञानिक	
Armenian	No label defined	հետազոտող	
Korean	No label defined	연구원	
Kyrgyz	No label defined	изилдөөчү	
Dutch	Joaquim Santos	No description defined	
Brazilian Portuguese	Joaquim Santos	No description defined	
Slovenian	Joaquim Santos	No description defined	
Turkish	No label defined	araştırmacı	
Chinese	No label defined	研究者	

Statements

property	value	
occupation	<ul style="list-style-type: none">ecologist edit ▼ 0 references + add referencebiologist edit ▼ 0 references + add referencecollection manager edit ► 2 references closed referenceWikimedian edit ▼ 0 references + add reference + add value	
employer	<ul style="list-style-type: none">University of Coimbra edit ▼ 1 reference opened reference reference URL https://www.uc.pt/herbario_digital/ team retrieved 13 March 2024 + add reference + add value	

Identifiers

CIÊNCIAVITAE ID	0D1D-7A7A-A97C	 edit
▼ 1 reference		
stated in	ORCID Public Data File 2020	
filename in archive	0000-0002-2160-4968.xml	
reference URL	https://pub.orcid.org/v3.0_rc1/0000-0002-2160-4968/external-identifiers/1264065	
retrieved	10 January 2021	
+ add reference		
+ add value		

LinkedIn personal profile ID	joaquim-santos-2b1b5a46	 edit
▼ 0 references		
+ add reference		
+ add value		

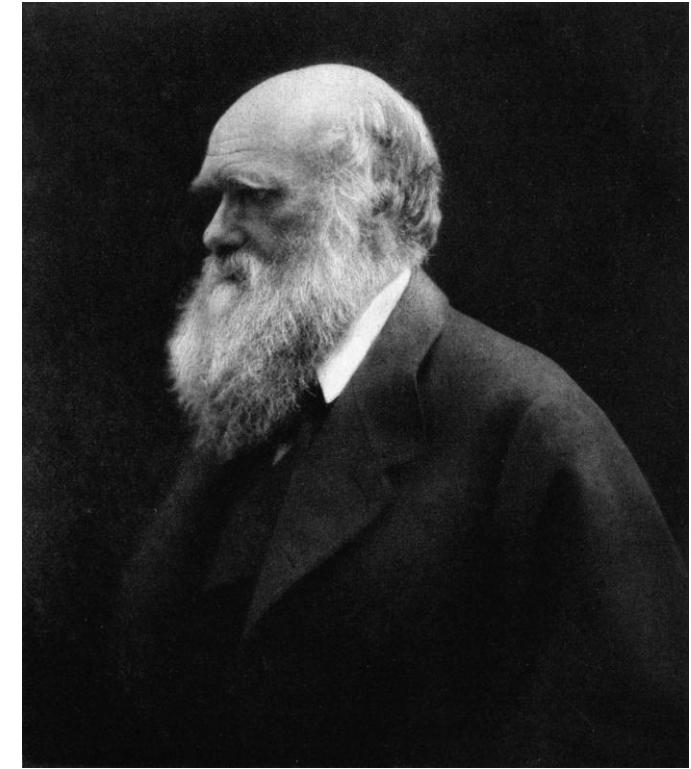
ORCID iD	0000-0002-2160-4968	 edit
▼ 0 references		
+ add reference		
+ add value		

Caso prático 1 : Pessoas



A line-up of Charles Darwin's finch specimens from the Galapagos Islands

© The Trustees of The Natural History Museum, London



Charles Darwin

Julia Margaret Cameron, Public domain, via Wikimedia Commons

MACDONALD COLLEGE HERBARIUM

Scientific name *Carex pedunculata* Muhl.

English name

Place collected *Ile Perrot, P.Q.*

Date *May 11, 1937*

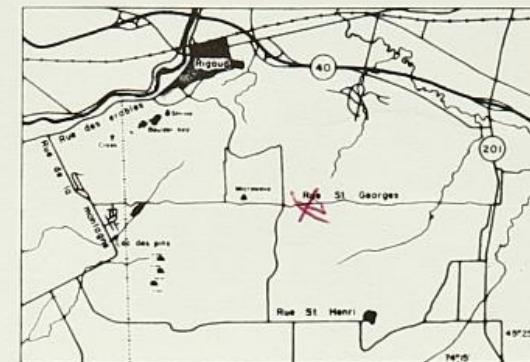
Collector *Dorothy E. Newton*

A label of a specimen collected by Dorothy Swales as "Dorothy E. Newton" from McGill University Herbarium, Catalogue number 69909.

<https://doi.org/10.3897/BDJ.10.e86089.figure10c>

McGILL UNIVERSITY HERBARIUM

MONT RIGAUD



Co. Vaudreuil
Quebec, Canada

Lat. 45° 25' N to 45° 29' N
Long. 74° 14' W to 74° 21' W
Alt. 38m to 221m
Duplicates 0

August 13, 1977

Polygonum pensylvanicum L.

Roadside. In sun, on dry sandy gravel.

Coll. Linda Newstrom

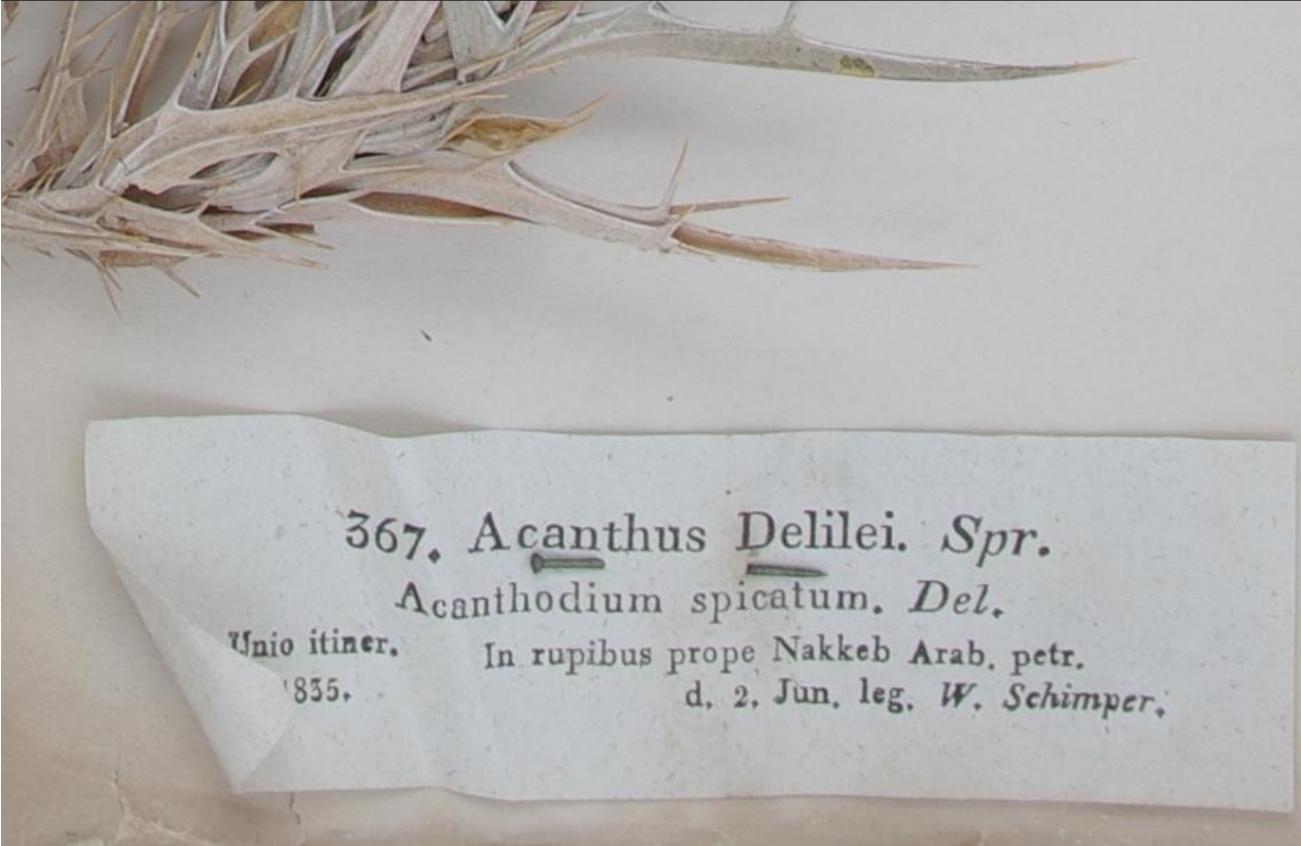
Det. by

1051

D. Swales

A specimen determined by Dorothy Swales as "D. Swales" from McGill University Herbarium, Catalogue number 107334.

<https://doi.org/10.3897/BDJ.10.e86089.figure10a>



Herbarium of the University of Coimbra, Portugal (COI), COI00042140. <http://coicatalogue.uc.pt/specimen/COI00042140>

Schimper is a surname. Notable people with the surname include:

- [Andreas Franz Wilhelm Schimper](#) (1856–1901), botanist and phytogeographer
- [Georg Wilhelm Schimper](#) (1804–1878), German botanist and naturalist, born in Reichenschwand
- [Karl Friedrich Schimper](#) (1803–1867), German naturalist and poet
- [Wilhelm Philippe Schimper](#) (1808–1880), German-French botanist, born in Dossenheim-sur-Zinsel, a town near the River Rhine

The disambiguation of people names in biological collections

▼ Quentin Groom, Christian Bräuchler, Robert W. N. Cubey, Mathias Dillen, Pieter Huybrechts, Nicole Kearney, Niels Klazenga, Siobhan Leachman, Deborah L Paul, Heather Rogers, Joaquim Santos, David Peter Shorthouse, Alison Vaughan, Sabine von Mering, Elspeth M Haston

Abstract ▲

Scientific collections have been built by people. For hundreds of years, people have collected, studied, identified, preserved, documented and curated collection specimens. Understanding who those people are is of interest to historians, but much more can be made of these data by other stakeholders once they have been linked to the people's identities and their biographies. Knowing who people are helps us attribute work correctly, validate data and understand the scientific contribution of people and institutions. We can evaluate the work they have done, the interests they have, the places they have worked and what they have created from the specimens they have collected. The problem is that all we know about most of the people associated with collections are their names written on specimens. Disambiguating these people is the challenge that this paper addresses. Disambiguation of people often proves difficult in isolation and can result in staff or researchers independently trying to determine the identity of specific individuals over and over

Agent

Agent Type: Person Title:

Last Name: Schimper First Name: Georg Wilhelm Middle Initial:

Abbreviation: Email: 

Remarks: 

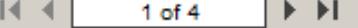
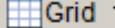
Date Of Birth: 1804-08-02 Date Of Death: 1878-10-10

Agent Identifier: <http://www.wikidata.org/entity/Q72899>

Addresses

Variants

Var Type: Variant Name: G. H. W. Schimper

 1 of 4 

Agent Specialties

Specialty Name: 



Leaflet

COI00042140 

Determinations

ACANTHACEAE *Acanthus delilei* Spreng.Hohenacker, Rudolph Friedrich 

Specimen

COI Number	COI00042140
COI Collection	Herbarium Willkommii
Phenology	flowering
Specimen	n.a.
Description (Original)	
Cultivated	
Cult. provenance	
Ex-Herb./Given By	
Remarks	Bundle 95.; Unio itiner. 1835.; Acanthodium spicatum Del. is given as synonym on the label.;

Origin

Collectors	Schimper, Georg Wilhelm 
Field Number	367
Collection Date	02-06-1835
Locality &	In rupibus
Habitat notes	
Geography	Africa AF Egypt EG North Sinai EG27
Locality Name	prope Nakkeb Arab. petr.; Arabia Petraea
Elevation	n.a.
Trip/Project	

Term	Interpreted	Original	Remarks
Basis of record	Preserved specimen	PreservedSpecimen	
Collection code	COI Herbarium - University of Coimbra	COI	
Dataset name	COI - Herbarium of the University of Coimbra	COI - Herbarium of the University of Coimbra	
Institution code	COI Herbarium of the University of Coimbra	COI	
Institution ID	43398bf6-d23a-44f6-8425-bf40bc368630 Herbarium of the University of Coimbra	43398bf6-d23a-44f6-8425-bf40bc368630	

Occurrence

Term	Interpreted	Original	Remarks
Associated media		https://coicat-al...e=COI00042140.jpg	Excluded
Catalogue number	http://coicatalog...cimen/ COI00042140	http://coicatalog...cimen/ COI00042140	
Occurrence ID	6410a61b-7f01-11ea-9a4d-d89ef3158707	6410a61b-7f01-11ea-9a4d-d89ef3158707	
Occurrence remarks	Bundle 95.; Unio itiner. 1835.; Acanthodium spicatum Del. is given as synonym on the label.;	Bundle 95.; Unio itiner. 1835.; Acanthodium spicatum Del. is given as synonym on the label.;	
Occurrence status	PRESENT	PRESENT	
Record number	367	367	
Recorded by	Schimper, Georg Wilhelm	Schimper, Georg Wilhelm	
Recorded by ID	http://www.wikidata.org/entity/Q72899	http://www.wikidata.org/entity/ Q72899	
Reproductive condition	flowering	flowering	

institutionID:	"43398bf6-d23a-44f6-8425-bf40bc368630"
kingdom:	"Plantae"
license:	" http://creativecommons.org/licenses/by-nc/4.0/LegalCode "
locality:	"prope Nakkeb Arab. petr."
modified:	"2021-11-12T18:20:51+00:00"
occurrenceID:	"6410a61b-7f01-11ea-9a4d-d89ef3158707"
occurrenceRemarks:	"Bundle 95.; Unio itiner. 1835.; Acanthodium spicatum Del. is given as synonym on the label;;"
occurrenceStatus:	"PRESENT"
organismRemarks:	"n.a."
preparations:	"Sheet:1"
recordNumber:	"367"
recordedBy:	"Schimper, Georg Wilhelm"
recordedByID:	" http://www.wikidata.org/entity/Q72899 "
references:	" http://coicatalogue.uc.pt/specimen/COI00042140 "
reproductiveCondition:	"flowering"
scientificName:	"Acanthus delilei Spreng."
scientificNameAuthorship:	"Spreng."
specificEpithet:	"delilei"
stateProvince:	"North Sinai"
taxonRank:	"species"
type:	"PhysicalObject"

Bionomia

Profiles Scribes Organizations Datasets Articles Countries Families Agent Strings Help Others A-Z ▾



Wilhelm Philippe Schimper
Guillaume Philippe Schimper; Schimp.; Wilhelm Philipp Schimper
* January 12, 1808 – March 20, 1880 †
botanist, paleontologist, librarian, bryologist, university teacher, biologist, zoologist
French botanist (1808-1880)
<https://www.wikidata.org/wiki/Q63251>
W https://en.wikipedia.org/wiki/Wilhelm_Philippe_Schimper [View]
Germany France

50+ Discovered Fix Attributions Reclaim Ignored Bulk Attributions

Help attribute 21,137 specimens. Choose collected, identified, or Both. Make less exact Advanced Search & Filter

Bulk Assignment	Both	Scientific Name	Collected By	Identified By	Date Collected	Date Identified	Family	Institution	Catalog Number	Type Status	Basis Of Record	Not them
	Both	incertae sedis	Schimper, Guillaume Philippe Schimper, Guillaume Philippe				MNHN	9156.		FOSSIL_SPECIMEN	Not them	
	Both	incertae sedis	Schimper, Guillaume Philippe				MNHN	7028.		FOSSIL_SPECIMEN	Not them	
	Both	incertae sedis	Schimper, Guillaume Philippe Schimper, Guillaume Philippe				MNHN	6880.		FOSSIL_SPECIMEN	Not them	
	Both	incertae sedis	Schimper, Guillaume Philippe				MNHN	7023.		FOSSIL_SPECIMEN	Not them	
	Both	incertae sedis	Schimper, Guillaume Philippe				MNHN	7002.		FOSSIL_SPECIMEN	Not them	
	Both	Incertae sedis	Schimper, Guillaume Philippe Schimper, Guillaume Philippe				MNHN	5832.		FOSSIL_SPECIMEN	Not them	
	Both	Incertae sedis	Schimper, Guillaume Philippe Schimper, Guillaume Philippe				MNHN	5831.		FOSSIL_SPECIMEN	Not them	

Bionomia. <https://bionomia.net/Q63251>

Wilhelm Philippe Schimper (Q63251)

German-French botanist (1808-1880)

Guillaume Philippe Schimper | Schimp. | Wilhelm Philipp Schimper | W. P. Schimper | Schimper

collection items at

Natural History Museum, Vienna 

▶ 1 reference

Charles University 

▶ 1 reference

University of Vienna 

▶ 1 reference

University of Jena 

▶ 1 reference

Herbarium of the University of Coimbra (COI) 

▼ 1 reference

reference URL [http://coicatalogue.uc.pt/specimen/
COI00042140](http://coicatalogue.uc.pt/specimen/COI00042140)

+ add reference

+ add value

Visualizações Wikidata [Scholia]



Caso prático 2: Expedições Científicas

Conference Abstract

Biodiversity Information Science and Standards 7: e111427
<https://doi.org/10.3897/biss.7.111427> (21 Aug 2023)

Modelling Research Expeditions in Wikidata: Best Practice for Standardisation and Contextualisation

▼ Sabine von Mering, Paul Jean-Charles Braun, Robert W. N. Cubey, Quentin Groom, Elspeth M Haston, Annika Hendriksen, Rukaya Johaadien, Siobhan Leachman, Luke Marsden, Heimo Rainer, Joaquim Santos, Dag Endresen

Abstract ▲

Expeditions and other collecting events are a major source of objects in natural history museums (e.g., Mesibov 2021). Historically, these trips were often transdisciplinary: biological and Earth science specimens were collected at the same time as ethnological or anthropological objects. As a result, specimens and other material gathered during the same expedition, as well as the related data and metadata, are often distributed across multiple institutions. Many expeditions were driven by colonial agendas, aiming to discover new resources to exploit, and their findings were seldom shared with the source countries and local people. Understanding these expeditions illuminates the colonial origins of museum collections, and contributes to recognizing and addressing their impacts (e.g., Das and Lowe 2018, Ashby and Machin 2021).

Expedições Científicas

	⌚ 30 August 1926 <i>Gregorian</i>	edit
▶ 1 reference		
start time	+ add value	
end time		
	⌚ 23 April 1927 <i>Gregorian</i>	edit
▶ 1 reference		
	+ add value	
start point	⌚ San Francisco	edit
	end time	30 August 1926 <i>Gregorian</i>
▶ 1 reference		
	+ add value	
via	⌚ Mazatlán	edit
	start time	2 September 1926 <i>Gregorian</i>
	end time	8 September 1926 <i>Gregorian</i>
▶ 1 reference		
	+ add value	
	⌚ Tepic	edit
	start time	8 September 1926 <i>Gregorian</i>
	end time	14 September 1926 <i>Gregorian</i>
	object named as	Environs of Tepic
▶ 1 reference		
	+ add value	
	⌚ Jalcocotán	edit
	start time	15 September 1926 <i>Gregorian</i>
	end time	16 September 1926 <i>Gregorian</i>
▶ 1 reference		
	+ add value	

via	⌚ San José del Conde	edit
end time		
	⌚ 28 March 1927 <i>Gregorian</i>	
object named as		
pack train through Los Rees to railroad		
▶ 1 reference		
+ add value		
destination point	⌚ Mazatlán	edit
	start time	1 April 1927 <i>Gregorian</i>
	end time	17 April 1927 <i>Gregorian</i>
▶ 1 reference		
	+ add value	
	⌚ San Francisco	edit
	end time	23 April 1927 <i>Gregorian</i>
▶ 1 reference		
	+ add value	



MEXIA MEXICO EXPEDITION 1926-1927

research expedition to the western States of Mexico by Ynes Mexia in 1926 to 1927

[Start Exploring](#)

Detalhes

Sp CollectingTrip

Trip / Project:	Welwitsch Iter Angolense	Start Date:	1853-09-03	End Date:	1860-12-01
Cruise:					Expedition: http://www.wikidata.org/entity/Q122070122
Vessel:					

Funding Agents + -

Last Name	First Name	Remarks

Remarks:

Save Cancel Help

Event

Term	Interpreted	Original	Remarks
Month	5		Inferred
Year	1857		Inferred
Event date	1857-05	1857-05	
Field number	1586	1586	
Habitat	ad oras de "Mata de Pungo"	ad oras de "Mata de Pungo"	
Parent event ID	http://www.wikidata.org/entity/Q122070122	http://www.wikidata.org/entity/Q122070122	

Location

Term	Interpreted	Original	Remarks
Continent	AFRICA	Africa	
Coordinate uncertainty in metres	211	211	
Country or area	Angola	Angola	
Country code	AO	AO	
Decimal latitude	-9.650201	-9.650201	
Decimal longitude	15.59531	15.59531	
Elevation	945		Inferred
Elevation accuracy	213		Inferred
Geodetic datum	WGS84	WGS84	
Higher geography	Angola	Angola	
Locality	Pungo Andongo	Pungo Andongo	
Maximum elevation in metres	1158		Evaluated



Spanish American expedition, 1799–1804 (Q130639025)

research expedition in the Americas (1799-1804)

Humboldt's American travel | Humboldt and Bonpland expedition (1799-1804)

start time

⌚ 5 June 1799 *Gregorian*

edit

▶ 2 references

+ add value

end time

⌚ 3 August 1804 *Gregorian*

edit

▶ 2 references

+ add value

participant

⌚ Alexander von Humboldt

edit

▼ 0 references

+ add reference

⌚ Aimé Bonpland

edit

▼ 0 references

+ add reference

+ add value



Aimé Bonpland

Aimé Bonpland; Aimé Jacques Alexandre Goujaud; Aimé Jacques Alexandre Bonpland; Bonpl.; Aime Bonpland; Aime Jacques Alexandre Bonpland; Goujaud; Bonpland

August 29, 1773 – May 10, 1858
physician, botanist, pteridologist, explorer, university teacher

French physician, botanist and explorer (1773-1858)

<http://www.wikidata.org/entity/Q405702>

https://en.wikipedia.org/wiki/Aimé_Bonpland [View]

France

Goujaud Bonpland, Aimé. 2024. Natural history specimens collected and/or identified and deposited. [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.8166381>

DOI 10.5281/zenodo.8166381

Help Attribute

Overview Specialties Network Deposited At Specimens Science Enabled

Specimens Collector Strings Helped By

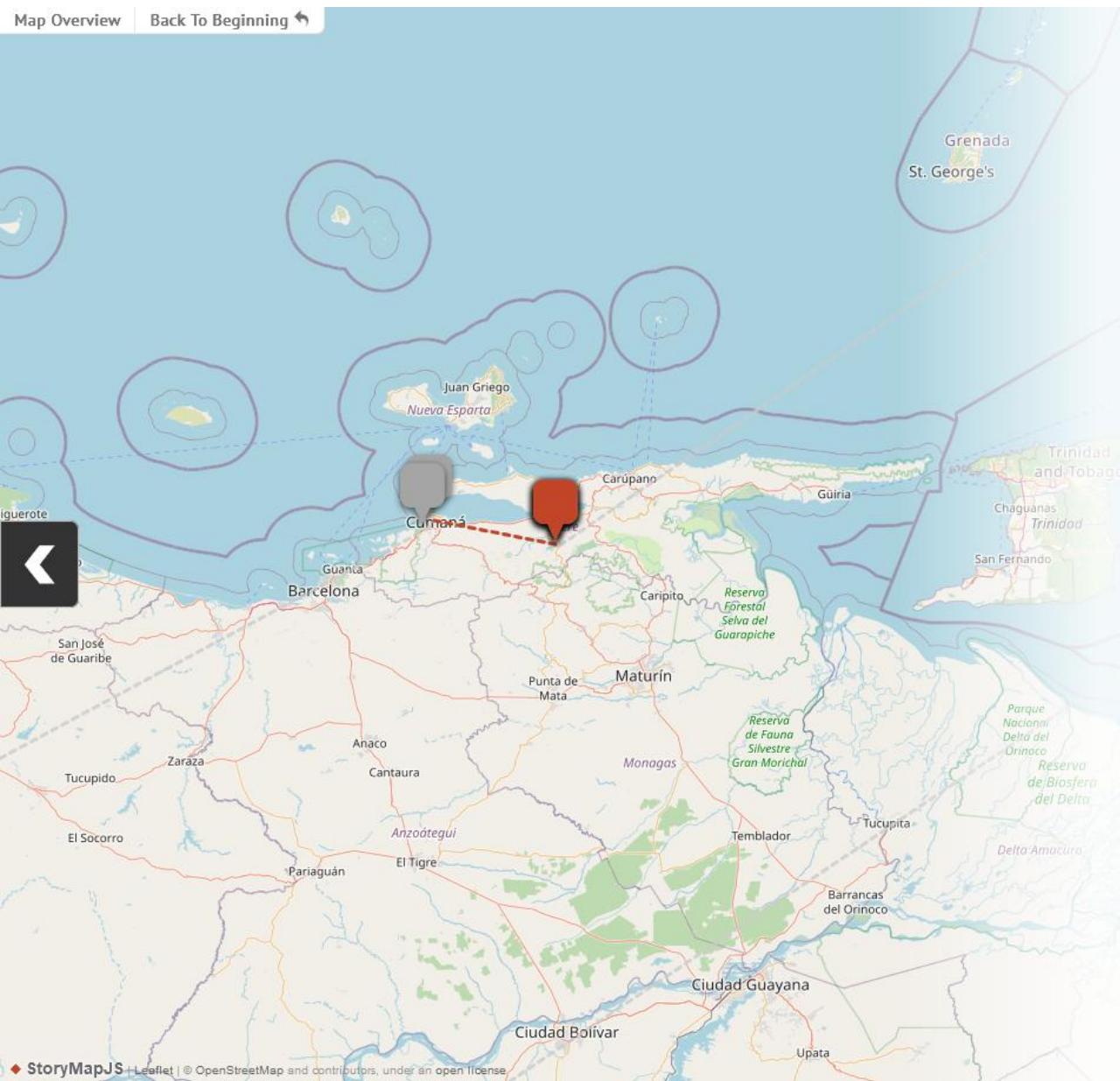
collected or identified 17,796 specimens. Not all available columns are shown.

CSV JSON-LD

		Scientific Name	Collected By	Identified By	Date Collected	Date Identified	Family	Institution	Catalog Number	Type	Status	Basis Of Rec.
	Both	<i>Euphorbia ariensis</i> Kunth	A. J. A. Bonpland				Euphorbiaceae	F	V0362029F	isotype	PRESERVED_S	
	Both	<i>Euphorbia orbiculata</i> Kunth	F. W. H. A. von Humboldt & A. J. A. Bonpland				Euphorbiaceae	F	V0363108F	isotype	PRESERVED_S	
	Both	<i>Euphorbia calyculata</i> Kunth	F. W. H. A. von Humboldt & A. J. A. Bonpland				Euphorbiaceae	F	V0362034F	isotype	PRESERVED_S	
	Both	<i>Tecoma sorbifolia</i> Kunth	F. W. H. A. von Humboldt & A. J. A. Bonpland				Bignoniaceae	F	V0363304F	isotype	PRESERVED_S	
	Both	<i>Thibaudia queremei</i> Kunth	F. W. H. A. von Humboldt & A. J. A. Bonpland				Ericaceae	F	V0362032F	isotype	PRESERVED_S	
	Both	<i>Euphorbia callitrichoides</i> Kunth	F. W. H. A. von Humboldt & A. J. A. Bonpland				Euphorbiaceae	F	V0362033F	isotype	PRESERVED_S	
	Both	<i>Allocarpus caracasanus</i> Kunth	A. J. A. Bonpland				Asteraceae	F	V0363158F	isotype	PRESERVED_S	
	Both	<i>Rhexia juniperina</i> Spreng.	A. J. A. Bonpland				Melastomataceae	F	V0040205F	isotype	PRESERVED_S	
	Both	<i>Baccharis arbutifolia</i> (Lam.) Vahl	A. J. A. Bonpland				Asteraceae	F	V0502172F		PRESERVED_S	
	Both	<i>Acalypha padifolia</i> Kunth	A. J. A. Bonpland & F. W. H. A. von Humboldt				Euphorbiaceae	F	V0363095F		PRESERVED_S	

Q405702.csv*

	occurrenceID	basisOfRecord	dateIdentified	decimalLatitude	decimalLongitude	country	countryCode	eventDate	year	kingdom	family
16474_0	https://herbarium.bgbm.org/object/BW03096010	PRESERVED_SPECIMEN		10.34278	-63.57722	Venezuela	VE	1799-09-22		Plantae	Araceae
16475_0	https://herbarium.bgbm.org/object/BW20175020	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Cyathea
16476_0	https://herbarium.bgbm.org/object/BW02869010	PRESERVED_SPECIMEN		10.34278	-63.57722	Venezuela	VE	1799-09-22		Plantae	Rubiacea
16477_0	https://herbarium.bgbm.org/object/BW04342010	PRESERVED_SPECIMEN		10.34278	-63.57722	Venezuela	VE	1799-09-22		Plantae	Solanacea
16478_0	https://herbarium.bgbm.org/object/BW19464010	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Gleicher
16479_0	https://herbarium.bgbm.org/object/BW19467010	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Gleicher
16480_0	https://herbarium.bgbm.org/object/BW19507012	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Dryopter
16481_0	https://herbarium.bgbm.org/object/BW19589030	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Polypodi
16482_0	https://herbarium.bgbm.org/object/BW07210010	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Melasto
16483_0	https://herbarium.bgbm.org/object/BW06353030	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Commel
16484_0	https://herbarium.bgbm.org/object/BW00655010	PRESERVED_SPECIMEN		10.34278	-63.57722	Venezuela	VE	1799-09-22		Plantae	Piperace
16485_NC_4_0		PRESERVED_SPECIMEN		7.1225	-66.16944	Venezuela	VE	1799-09-22		Plantae	Piperace
16486_0	https://herbarium.bgbm.org/object/B200149347	PRESERVED_SPECIMEN				Venezuela	VE	1799-09-22		Plantae	Polypodi
16487_4_0	http://coldb.mnhn.fr/catalognumber/mnhn/p/p00648974	PRESERVED_SPECIMEN				[Venezuela]	VE	1799-10	1799	Plantae	Namace
16488_4_0	http://coldb.mnhn.fr/catalognumber/mnhn/p/p00670794	PRESERVED_SPECIMEN				[Venezuela]	VE	1799-10	1799	Plantae	Namace
16489_0	https://herbarium.bgbm.org/object/BW07706010	PRESERVED_SPECIMEN				Venezuela	VE	1799-11		Plantae	Polygon
16490_0	https://herbarium.bgbm.org/object/BW14582010	PRESERVED_SPECIMEN				Venezuela	VE	1799-11		Plantae	Asterace
16491_0	https://herbarium.bgbm.org/object/BW14589010	PRESERVED_SPECIMEN				Venezuela	VE	1799-11		Plantae	Asterace
16492_0	https://herbarium.bgbm.org/object/BW19013010	PRESERVED_SPECIMEN				Venezuela	VE	1799-11-20		Plantae	Fabacea
16493_0	https://herbarium.bgbm.org/object/BW19015010	PRESERVED_SPECIMEN				Venezuela	VE	1799-11-20		Plantae	Fabacea
16494_0	https://herbarium.bgbm.org/object/BW08951010	PRESERVED_SPECIMEN				Venezuela	VE	1799-11-20		Plantae	Surianac
16495_0	https://herbarium.bgbm.org/object/BW12595010	PRESERVED_SPECIMEN				Venezuela	VE	1799-11-20		Plantae	Fabacea
16496_0	https://herbarium.bgbm.org/object/BW05460010	PRESERVED_SPECIMEN				Venezuela	VE	1799-12		Plantae	Namace
16497_0	https://herbarium.bgbm.org/object/BW02628010	PRESERVED_SPECIMEN				Venezuela	VE	1799-12		Plantae	Rubiacea
16498_4_0	http://coldb.mnhn.fr/catalognumber/mnhn/p/p00679688	PRESERVED_SPECIMEN				[venezuela]	VE	1799-12	1799	Plantae	Polygala
16499_0	https://herbarium.bgbm.org/object/RW13438010	PRFSFRVFD_SPECIMEN				Venezuela	VF	1799-12		Plantae	Fabacea



VENEZUELA: ST CRUZ [SUCRE: SANTA CRUZ]. 22.09.1799, LEG.: A. J. A. BONPLAND & F. W. H. A. V. HUMBOLDT 377.

Piper crassinervium Kunth
Bonpland,A.J.A. & Humboldt,F.W.H.A. v.
1799-9-22
B -W 00655 -01 0
<https://www.gbif.org/occurrence/190284428>

Research Expeditions on Wikidata with itineraries

List of Research Expeditions with itineraries parsed from WIKIDATA properties. Some of them have specimens parsed from GBIF

has specimens!

Langsdorff Expedition

19th century expedition in Brazil

[See itinerary](#)



Discovery Expedition

British scientific expedition to Antarctica
(1901-1904)

[See itinerary](#)

La Favorite (1829–1832)

French circumnavigation exploration expedition to Vietnam, Philippines, Australia, Tasmania, and New Zealand.

[See itinerary](#)

HMS Eugenie circumnavigation (1851-1853)

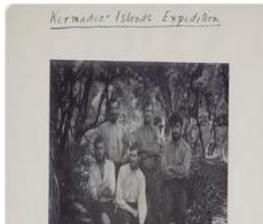
the first Swedish circumnavigation research expedition (1851-1853)

[See itinerary](#)

Rohlf's expedition 1873–74

research expedition to the deserts of Libya in 1873–74

has specimens!



has specimens!

Kermadec Islands Expedition 1908

Wikidata

- Enriquecimento dos datasets
- Partilha de dados de forma aberta, reutilizável e interoperável
- Identificadores permanentes
- Integração com padrões de dados
- Boas práticas de comunidade
- Descoberta de informação

Obrigado!



CENTRE FOR
FUNCTIONAL
ECOLOGY

Joaquim Santos
Herbário da Universidade de Coimbra
joaquim.santos@uc.pt