



Manajemen Data Kehati dan Publikasi

Data Paper

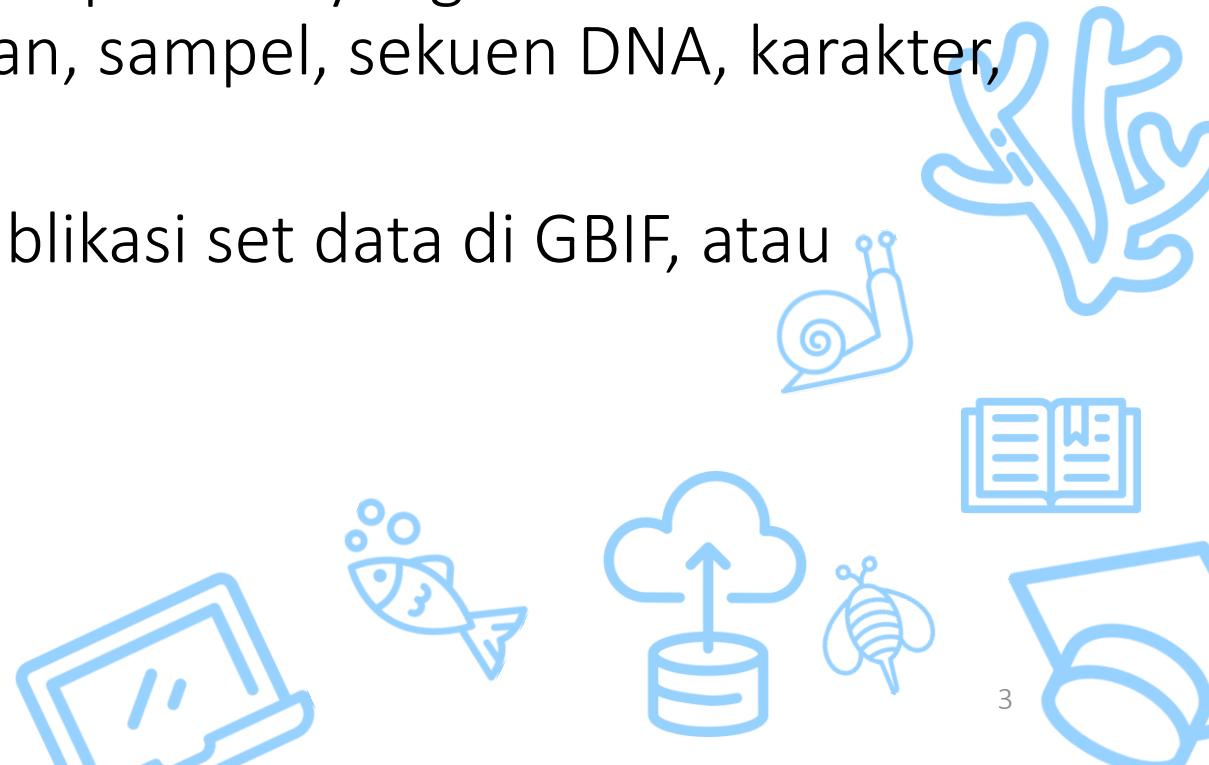
Lokakarya Mini Warung Kopi Biodiverskripsi



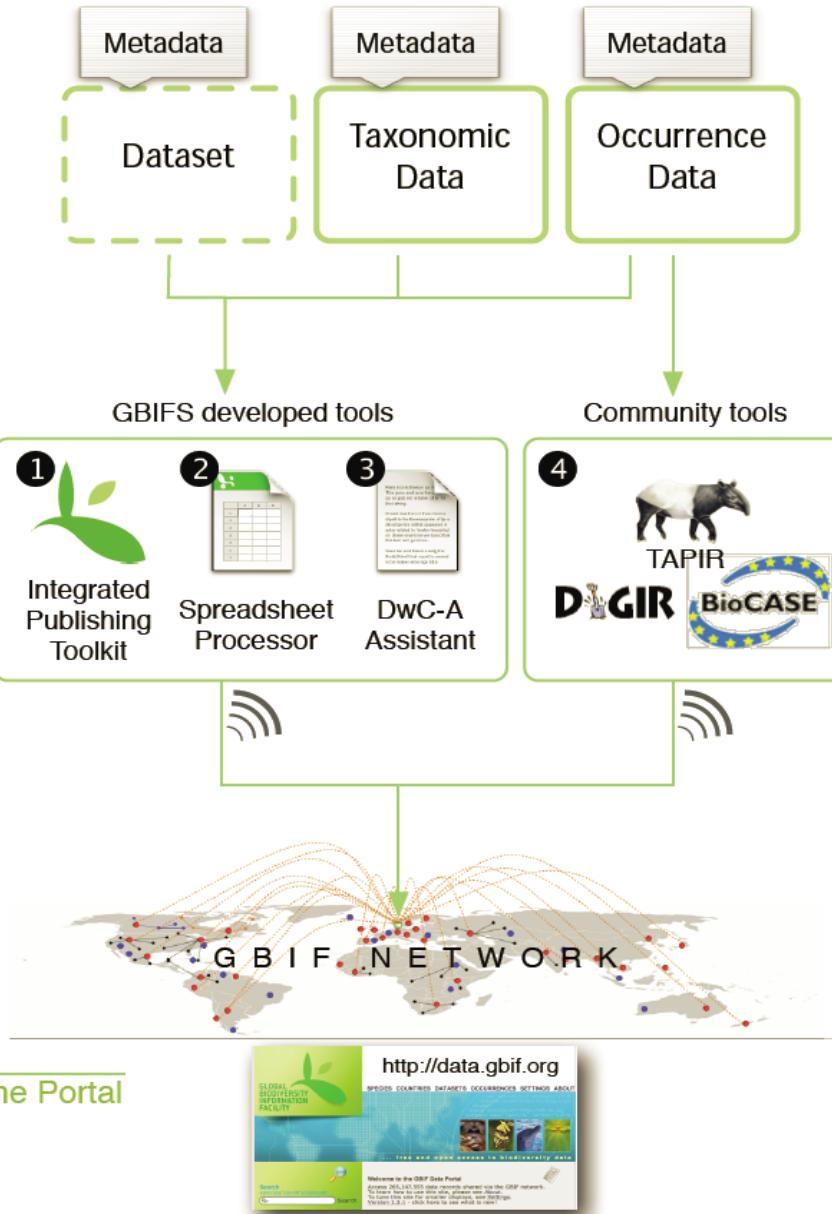
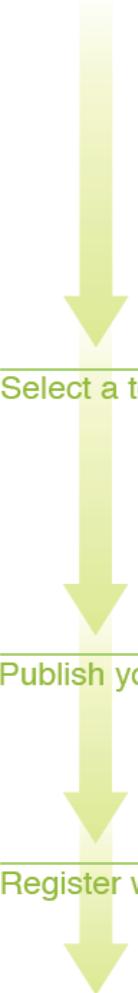
Manajeman Data Kehati

Menu Mini Workshop 1

- Mengenali tipe data Anda
- Menggunakan kerangka terstandar dan menjaga kualitas data
- Membuat database terintegrasi untuk tipe data yang berbeda (observasi, spesimen, area pencuplikan, sampel, sekuen DNA, karakter, interaksi, referensi)
- Mengelola dan membagi set data: publikasi set data di GBIF, atau jurnal ilmiah daring (Pensoft)



Which type of data?



Sumber-Sumber Data Kehati



Daftar spesies sederhana

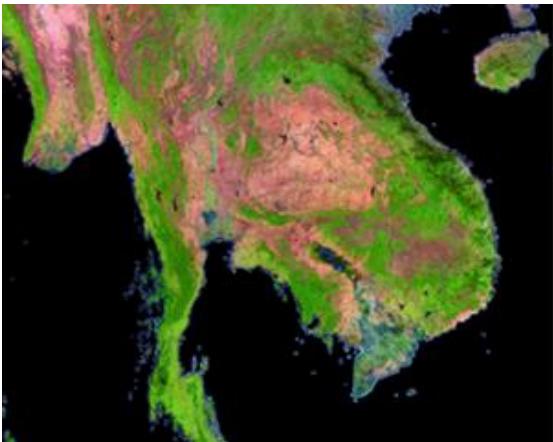
Spesimen hewan, herbarium, dan fosil



Literatur
(Publikasi Ilmiah,
Skripsi, Tesis,
Laporan Inventaris)

Catatan lapangan

Sumber Data Kehati Lain



Remote sensing
data: GPS, radar /
satellite data;
camera traps;



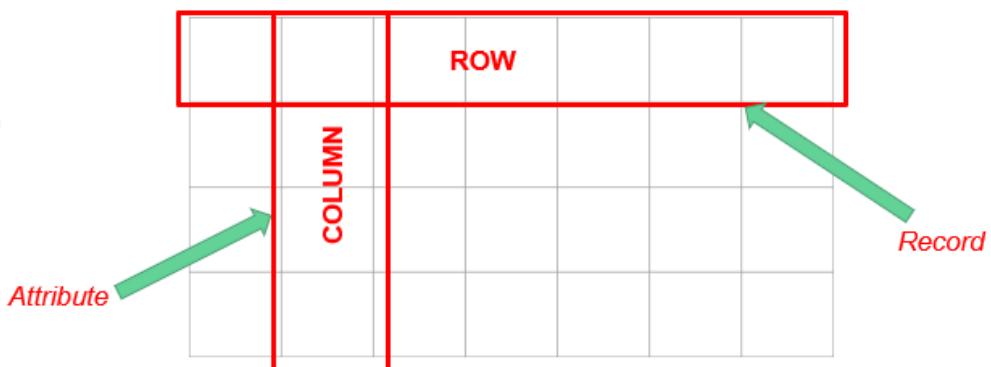
Peta cetak / atlas;
cetakan citra
satelit



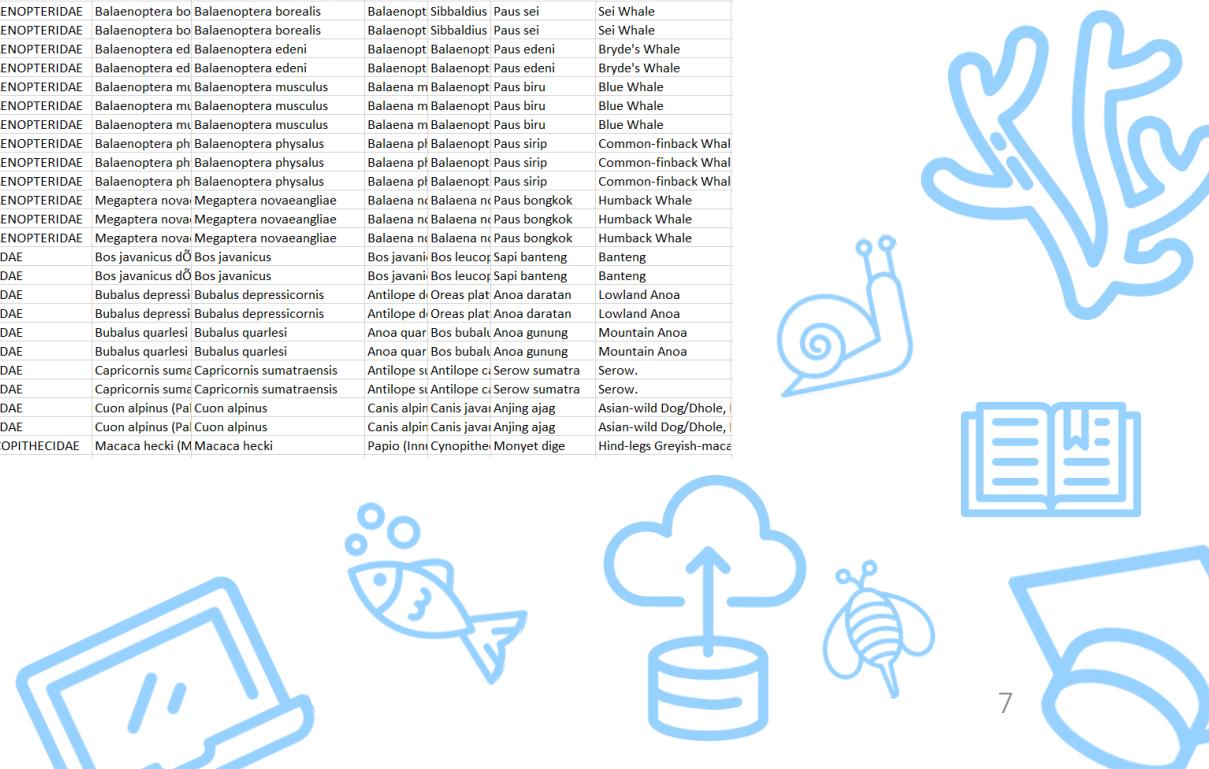
Foto, audio,
rekaman video

Memasukkan Data ke dalam Database

- Sekumpulan data/informasi yang terstruktur dan diorganisir sedemikian rupa sehingga dapat dibaca komputer



famili	spesies_au	spesies	nama_asli_sinonim	nama_id	nama_en
BALAEOPTERIDAE	Balaenoptera ac	Balaenoptera acutorostrata	Balaenopt	Balaenopt	Paus tombak
BALAEOPTERIDAE	Balaenoptera ac	Balaenoptera acutorostrata	Balaenopt	Balaenopt	Paus tombak
BALAEOPTERIDAE	Balaenoptera bo	Balaenoptera borealis	Balaenopt	Bibaldius	Paus sei
BALAEOPTERIDAE	Balaenoptera bo	Balaenoptera borealis	Balaenopt	Bibaldius	Paus sei
BALAEOPTERIDAE	Balaenoptera ed	Balaenoptera edeni	Balaenopt	Balaenopt	Paus edeni
BALAEOPTERIDAE	Balaenoptera ed	Balaenoptera edeni	Balaenopt	Balaenopt	Bryde's Whale
BALAEOPTERIDAE	Balaenoptera mi	Balaenoptera musculus	Balaena	Balaenopt	Paus biru
BALAEOPTERIDAE	Balaenoptera mi	Balaenoptera musculus	Balaena	Balaenopt	Blue Whale
BALAEOPTERIDAE	Balaenoptera m	Balaenoptera musculus	Balaena	Balaenopt	Blue Whale
BALAEOPTERIDAE	Balaenoptera m	Balaenoptera musculus	Balaena	Balaenopt	Blue Whale
BALAEOPTERIDAE	Balaenoptera ph	Balaenoptera physalus	Balaena	Balaenopt	Common-finback Whal
BALAEOPTERIDAE	Balaenoptera ph	Balaenoptera physalus	Balaena	Balaenopt	Common-finback Whal
BALAEOPTERIDAE	Balaenoptera ph	Balaenoptera physalus	Balaena	Balaenopt	Common-finback Whal
BALAEOPTERIDAE	Megaptera nova	Megaptera novaeangliae	Balaena	Balaena	Paus bongkok
BALAEOPTERIDAE	Megaptera nova	Megaptera novaeangliae	Balaena	Balaena	Humpack Whale
BALAEOPTERIDAE	Megaptera nova	Megaptera novaeangliae	Balaena	Balaena	Humpack Whale
BOVIDAE	Bos javanicus dō	Bos javanicus	Bos javanicus	Bos leucoj	Sapi banteng
BOVIDAE	Bos javanicus dō	Bos javanicus	Bos javanicus	Bos leucoj	Sapi banteng
BOVIDAE	Bubalus depressi	Bubalus depressicornis	Bubalus	Antilope di	Oreas plat Anoa daratan
BOVIDAE	Bubalus depressi	Bubalus depressicornis	Bubalus	Antilope di	Oreas plat Anoa daratan
BOVIDAE	Bubalus quarlesi	Bubalus quarlesi	Bubalus	Anoa	quar Bos bubali Anoa gunung
BOVIDAE	Bubalus quarlesi	Bubalus quarlesi	Bubalus	Anoa	quar Bos bubali Anoa gunung
BOVIDAE	Capricornis sumatrensis	Capricornis sumatraensis	Capricornis	sumatrensis	Antilope si Antilope c: Serow sumatra
BOVIDAE	Capricornis sumatrensis	Capricornis sumatraensis	Capricornis	sumatrensis	Antilope si Antilope c: Serow sumatra
CANIDAE	Cuon alpinus (Pal	Cuon alpinus	Cuon	alpinus	Canis alpin Canis javai Anjing ejag
CANIDAE	Cuon alpinus (Pal	Cuon alpinus	Cuon	alpinus	Canis alpin Canis javai Anjing ejag
CERCOPITHECIDAE	Macaca hecki (M	Macaca hecki	Macaca	hecki	Papio (Inni Cynopithe- Monyet dige



Perangkat Lunak untuk Mengelola Data

The image displays three screenshots of software interfaces used for managing biodiversity data:

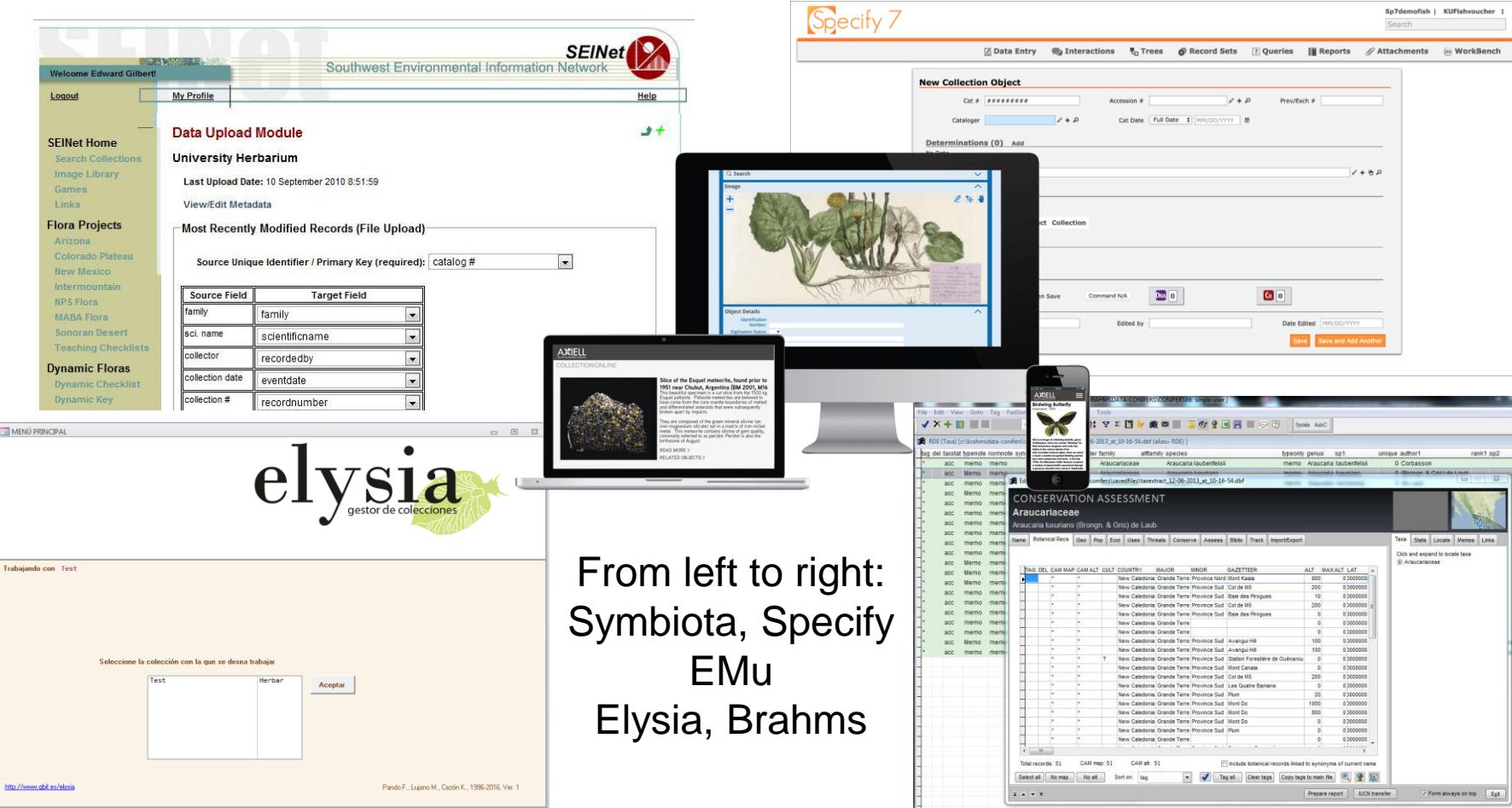
- Excel spreadsheet for biodiversity data:** A Microsoft Excel window showing a spreadsheet titled "GBIF Mammifères d'Auvergne 201". The columns include institutionCode, collectionCode, catalogNumber, kingdom, phylum, and class. The data consists of 30 rows, all of which have "Mammalologie" in the "collectionCode" column and "Mammalia" in the "phylum" column. A large image of a butterfly, identified as "Superb Cycadian" (*Eumaeus childrenae*), is overlaid on the spreadsheet.
- iNaturalist app:** A mobile application interface showing a list of observations. The top bar indicates "Pt. Pinos--seawatch only" and the date "nov. 08, 2016, 10:45 AM". The list includes "TOUT", "RÉGULIER", and "OBSERVÉ - 6" categories. The first few items in the list are: "1 Western Grebe", "+ Clark's Grebe", "3 Western/Clark's Grebe", "2 Black-footed Albatross", "15 Northern Fulmar", "+ Pink-footed Shearwater", "+ Buller's Shearwater", and "+ Sooty Shearwater".
- eBird app:** A mobile application interface showing a map of a location named "Jardín Botánico Francisco Javier Clavijero". At the bottom, there is a green button labeled "RÉVISER ET SOUMETTRE →".

Excel spreadsheet for biodiversity data

iNaturalist app

eBird app

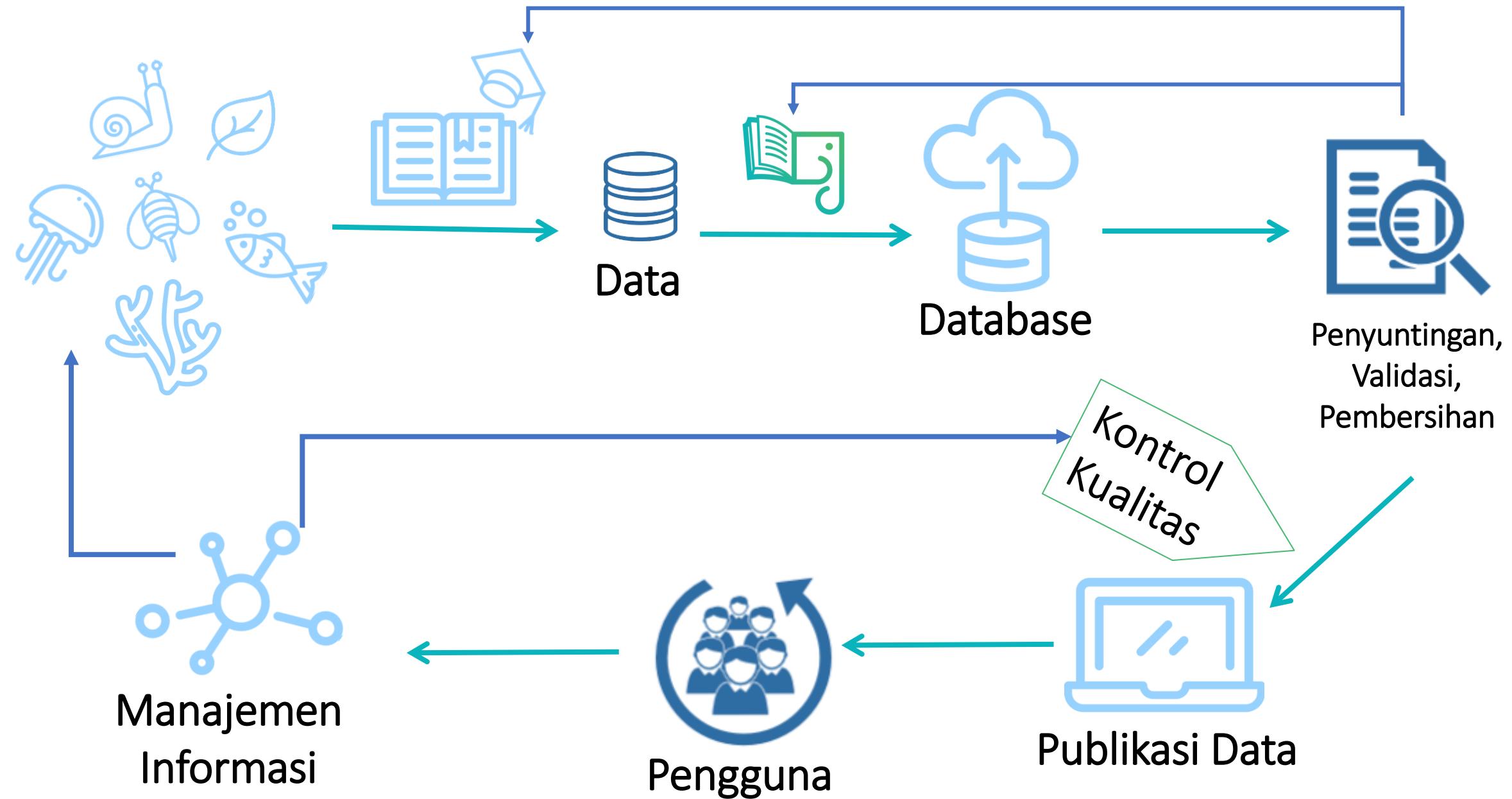
Perangkat Lunak untuk Mengelola Data



Perangkat Lunak untuk Mengelola Data

The screenshot shows the Microsoft Access application interface. The title bar reads "Earth : Database- C:\Users\Fred\Docume...". The ribbon menu is visible with tabs like File, Home, Create, External Data, Database Tools, Fields, Table, and a search bar "Tell me what you want to do". The "Home" tab is selected. On the left, the "All Access Objec..." navigation pane shows tables: City, Country (which is selected and highlighted in red), and Province. The main area displays the "Country" table in Datasheet view. The columns are: CountryName, CountryCode, Capital, Province, Area, Population, and Click to Add. The data includes rows for Austria, Afghanistan, Antigua and Barbuda, Albania, American Samoa, Andorra, Angola, Armenia, Aruba, Australia, Anguilla, Azerbaijan, Belgium, Bangladesh, Barbados, Benin, Bermuda, Burkina Faso, and Bulgaria. The first row (Austria) is currently selected.

CountryName	CountryCode	Capital	Province	Area	Population	Click to Add
Austria	A	Vienna	Vienna-Wien	83850	8023244	
Afghanistan	AFG	Kabul	Afghanistan	647500	22664136	
Antigua and Ba	AG	Saint Johns	Antigua and Ba	442	65647	
Albania	AL	Tirane	Albania	28750	3249136	
American Samo	AMSA	Pago Pago	American Samo	199	65628	
Andorra	AND	Andorra la Vell	Andorra	450	72766	
Angola	ANG	Luanda	Luanda	1246700	10342899	
Armenia	ARM	Yerevan	Armenia	29800	3463574	
Aruba	ARU	Oranjestad	Aruba	193	103065	
Australia	AUS	Canberra	Australia Capit	7686850	18260863	
Anguilla	AXA	The Valley	Anguilla	102	14436	
Azerbaijan	AZ	Baku	Azerbaijan	86600	7676953	
Belgium	B	Brussels	Brabant	30510	10170241	
Bangladesh	BD	Dhaka	Bangladesh	144000	123062800	
Barbados	BDS	Bridgetown	Barbados	430	257030	
Benin	BEN	Porto-Novo	Benin	112620	5709529	
Bermuda	BERM	Hamilton	Bermuda	53	67837	
Burkina Faso	BF	Ouagadougou	Burkina Faso	274200	10623323	
Bulgaria	BG	Sofia	Bulgaria	110910	8612757	



Kelas Data Kehati dalam GBIF

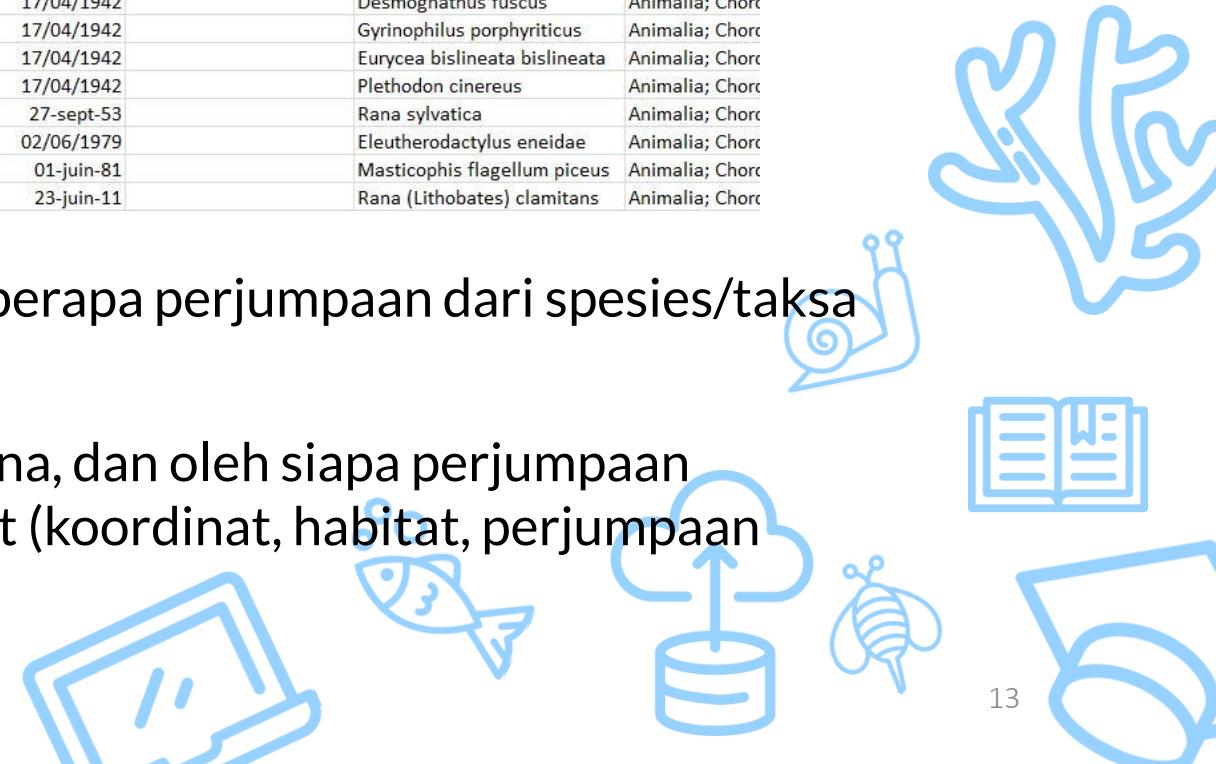


- Data perjumpaan (Occurrences)
 - Pengamatan sederhana di lapangan atau koleksi spesimen

A	B	C	D	E	F	G	H	I	J	K	
occurrenceID	basisOfRecord		eventDate	endDayOfYear	year	month	day	verbatimEventDate	eventRemarks	scientificName	higherClassification
2	http://arctos.database.museum/PreservedSpecimen		1926-04		1926	4		0/4/1926	day of month unknown	Ambystoma maculatum	Animalia; Chordata
3	http://arctos.database.museum/PreservedSpecimen		1942-04-17	107	1942	4	17	17/04/1942		Desmognathus fuscus	Animalia; Chordata
4	http://arctos.database.museum/PreservedSpecimen		1942-04-17	107	1942	4	17	17/04/1942		Gyrinophilus porphyriticus	Animalia; Chordata
5	http://arctos.database.museum/PreservedSpecimen		1942-04-17	107	1942	4	17	17/04/1942		Eurycea bislineata bislineata	Animalia; Chordata
6	http://arctos.database.museum/PreservedSpecimen		1942-04-17	107	1942	4	17	17/04/1942		Plethodon cinereus	Animalia; Chordata
7	http://arctos.database.museum/PreservedSpecimen		1953-09-27	270	1953	9	27	27-sept-53		Rana sylvatica	Animalia; Chordata
8	http://arctos.database.museum/PreservedSpecimen		1979-06-02/1979-06-07					02/06/1979		Eleutherodactylus eneidae	Animalia; Chordata
9	http://arctos.database.museum/PreservedSpecimen		1981-06-01	152	1981	6	1	01-juin-81		Masticophis flagellum piceus	Animalia; Chordata
10	http://arctos.database.museum/PreservedSpecimen		2011-06-23	174	2011	6	23	23-juin-11		Rana (Lithobates) clamitans	Animalia; Chordata

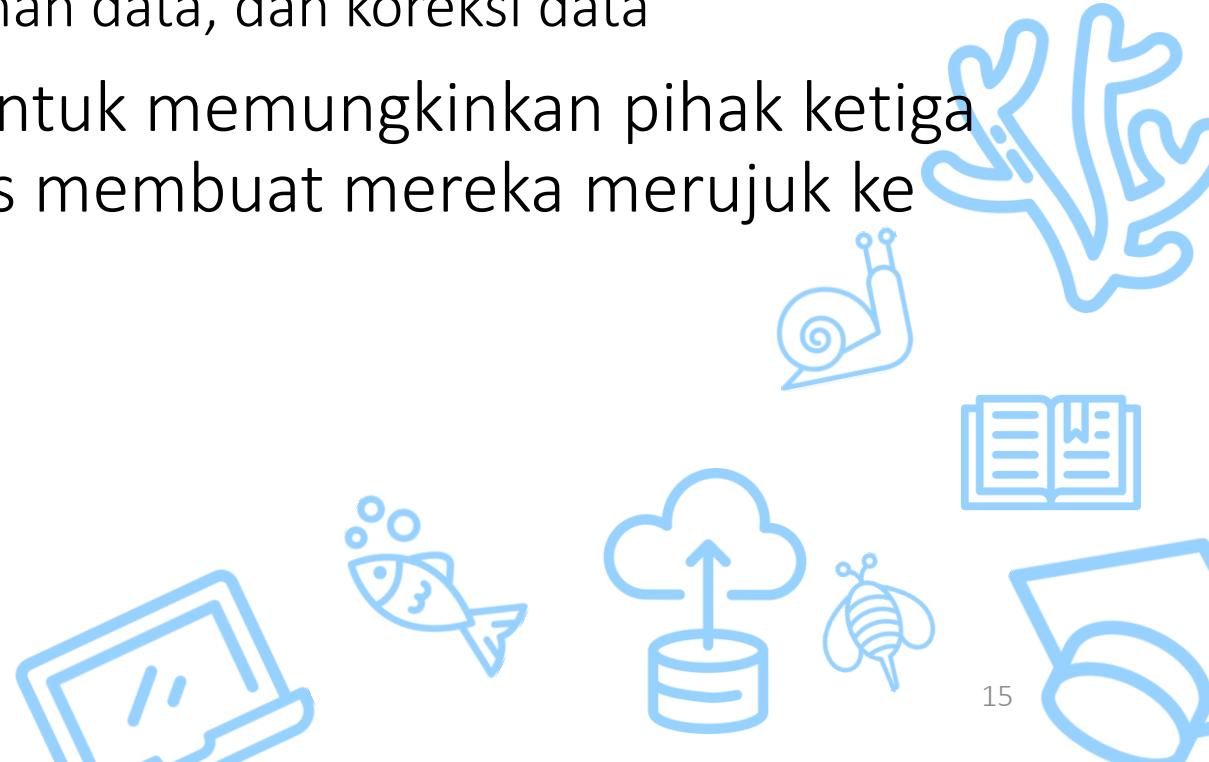
Satu baris 1 individu or 1 kelompok individu (beberapa perjumpaan dari spesies/taksa yang sama bisa ada dalam satu dokumen)

Memuat informasi apa, di mana, kapan, bagaimana, dan oleh siapa perjumpaan tersebut dikoleksi dan informasi lain yang terkait (koordinat, habitat, perjumpaan lain yang terkait)



Yang Tak Kalah Penting: Metadata

- Data tentang Data
 - Mendeskripsikan konten, cara akses, kelengkapan data...
 - Dokumentasi kesalahan
 - Dokumentasi proses validasi, pembersihan data, dan koreksi data
- Konten metadata harus cukup kaya untuk memungkinkan pihak ketiga menggunakan ulang data tanpa harus membuat mereka merujuk ke sumber data.



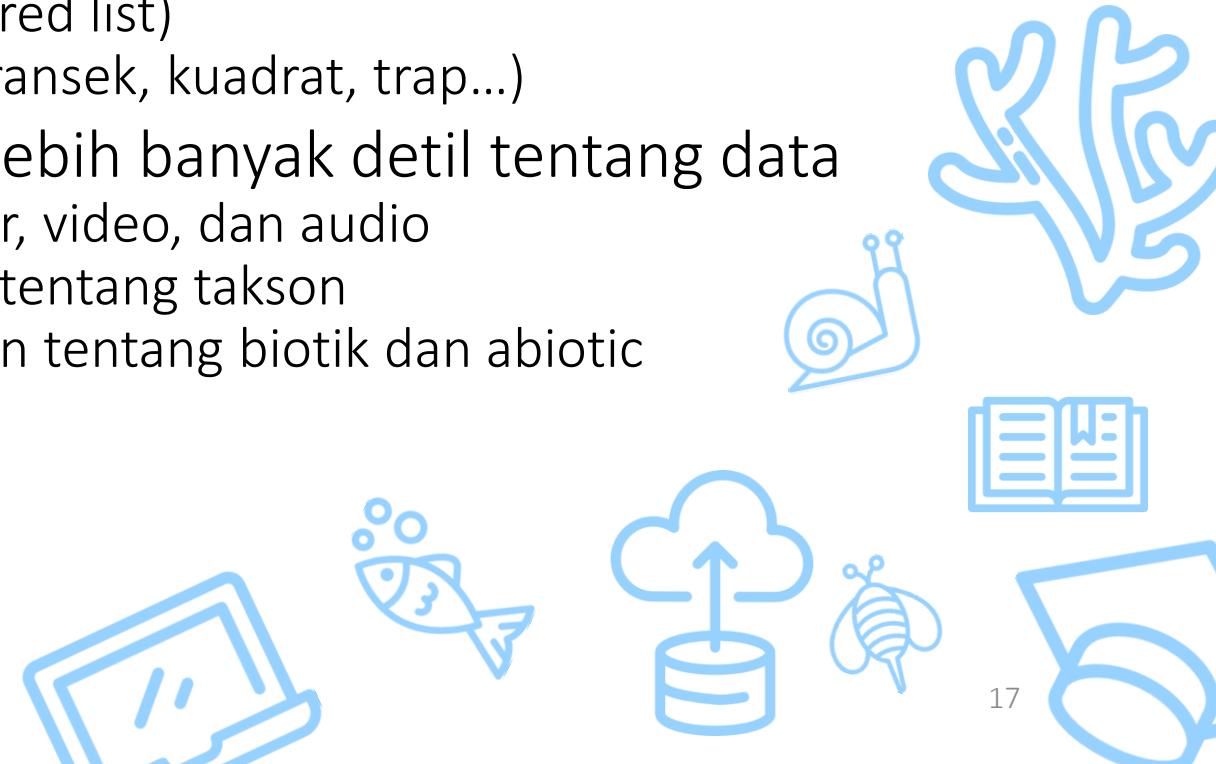
Jika Anda sudah mengetahui tipe data Anda, mari memilih template!

Beberapa template ada di [GBIF](#)

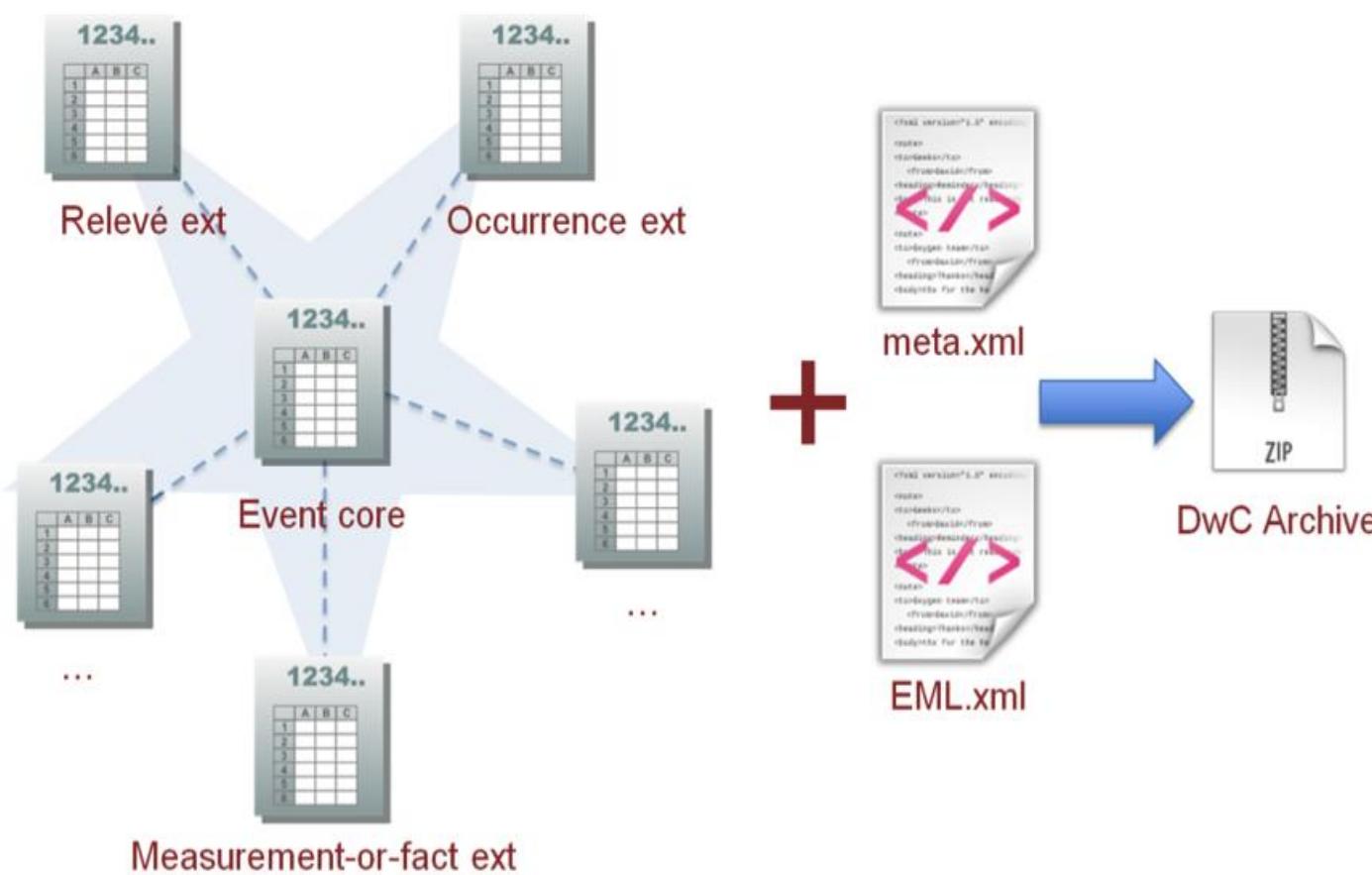


Cara Mengisi Template: Darwin Core

- Setiap tipe data memiliki lembar kerja inti (core) dan dapat ditambahi ekstensi sesuai keperluan
- Core yang berbeda dapat digunakan tergantung asal data
 - Occurrence core: spesimen koleksi museum dan sampel dari lapangan
 - Taxon core: daftar taksonomi (ceklis, IUCN red list)
 - Event core: kejadian pencuplikan (survei, transek, kuadrat, trap...)
- Ekstensi digunakan untuk memberikan lebih banyak detail tentang data
 - Multimedia: membagi data tentang gambar, video, dan audio
 - Deskripsi Takson: teks/paragraf sederhana tentang takson
 - Pengukuran atau Fakta: informasi tambahan tentang biotik dan abiotic
 - Karakter
 - Sampel material
 - Dan masih banyak lagi



Ilustrasi Standar Darwin Core



Jenis Informasi yang Perlu Dijaga Kualitasnya

Taksonomi

- Nama (scientific, vernacular, rank, hierarchy, ...)
- Status (synonyms, valid names, ...)
- References (author, date and location)
- Identification (by whom and when?)
- Quality terms (ID certainty, ...)

Spasial

- Latitude and longitude
- Grid reference
- Point + radius
- Polyline
- Area / Polygon
- Bounding box = rectangle calculated from the coordinates of two points

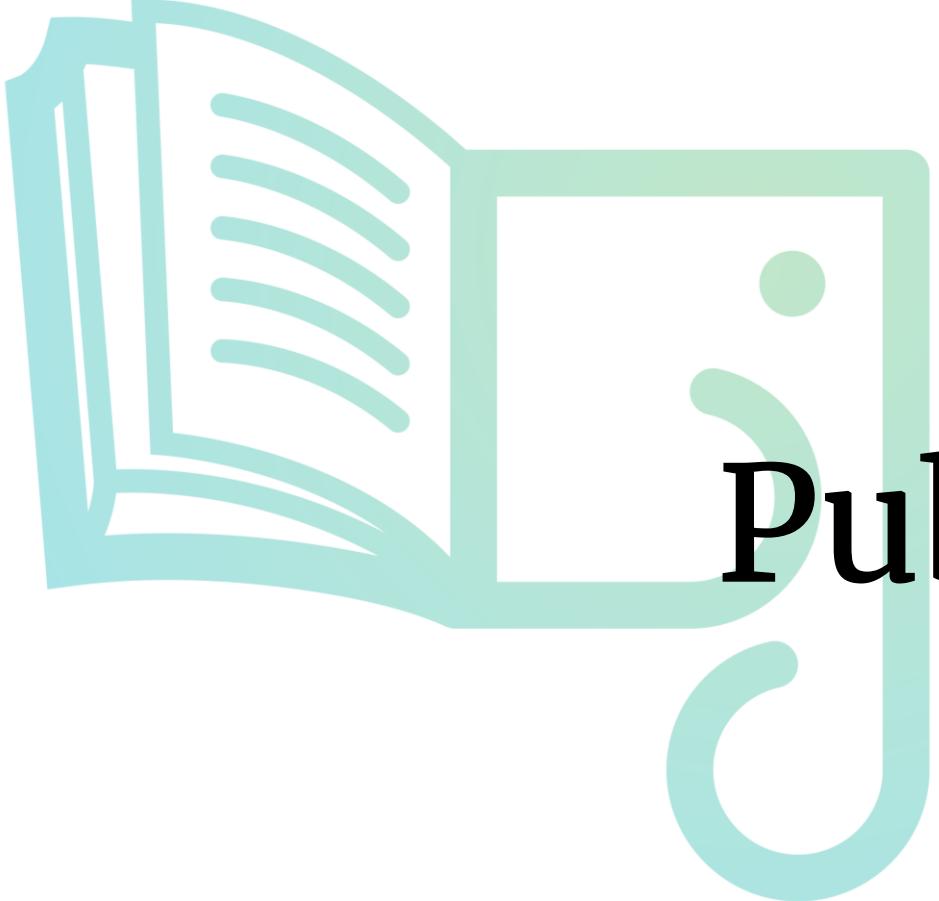
Kesalahan yang Umum

Taksonomi

- Missing data (e.g.: subspecies written but not the species)
- Incorrect values (typos, wrong column, symbols « ?? », ...)
- Uncertainty on at least one name of the binominal nomenclature
- Duplicates (synonyms, several valid names...)
- Inconsistent data after to databases fusion using several checklists

Spasial

- Coordinates inversion
- Null values
- Unknown datum
- Inadapted SRS
- Conversion issues



Publikasi Data Paper

Apa itu Data Paper?

Publikasi ilmiah mengenai dokumen metadata yang mendeskripsikan set data atau sekelompok set data

Dipublikasikan di jurnal ilmiah dan mengalami peer review

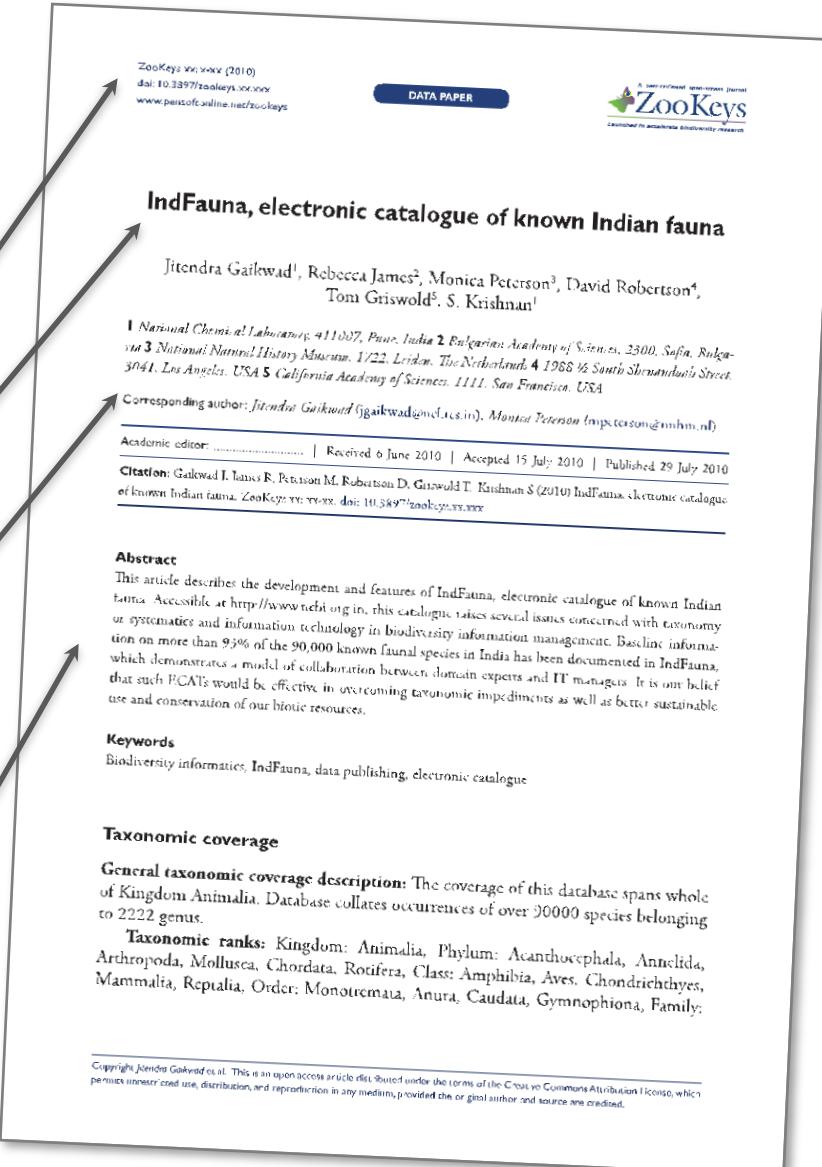
Tidak melaporkan hipotesis, analisis data, ataupun diskusi

DOI : indexation et citation

Promote and publicize existence of data

Provide scholarly credit to data publishers through citable journal publications

Describe the data in a structured human-readable form



Keuntungan Data Paper

- Memberi pengakuan dan apresiasi kepada pelaku publikasi data
- Mendeskripsikan data untuk manusia
- Membawa perhatian komunitas ilmiah kepada data
- Meningkatkan visibilitas, ketergunaan, dan kredibilitas data yang dipublikasikan
- Melacak penggunaan dan sitasi data yang dipublikasikan



Jurnal yang Menerima Data Paper

<https://www.gbif.org/data-papers>

Journal	Publisher	Open Access	APC estimate	Impact factor (2016)
Arxius de Miscel·lània Zoològica	Nat Hist Museum of Barcelona	Yes	€0	-
Biodiversity Data Journal	Pensoft	Yes	€300	-
Biogeographia	eScholarship	Yes	€0	-
BioInvasions Records	REABIC Journals	Yes	€600	0.835
BioRisk	Pensoft	Yes	€300	-
Biota Colombiana	Humboldt Institute, Colombia	Yes	€0	-
BMC Ecology	Biomed Central	Yes	€1,745	2.896
BMC Plant Biology	Biomed Central	Yes	€1,745	3.964
Botanical Studies	SpringerOpen	Yes	€600	1.452
Check List	Biotaxa	Yes	€27	-
China Scientific Data	Chinese Academy of Sciences	Yes	€458	-
Data in Brief	Elsevier	Yes	€458	-

Jurnal yang Menerima Data Paper

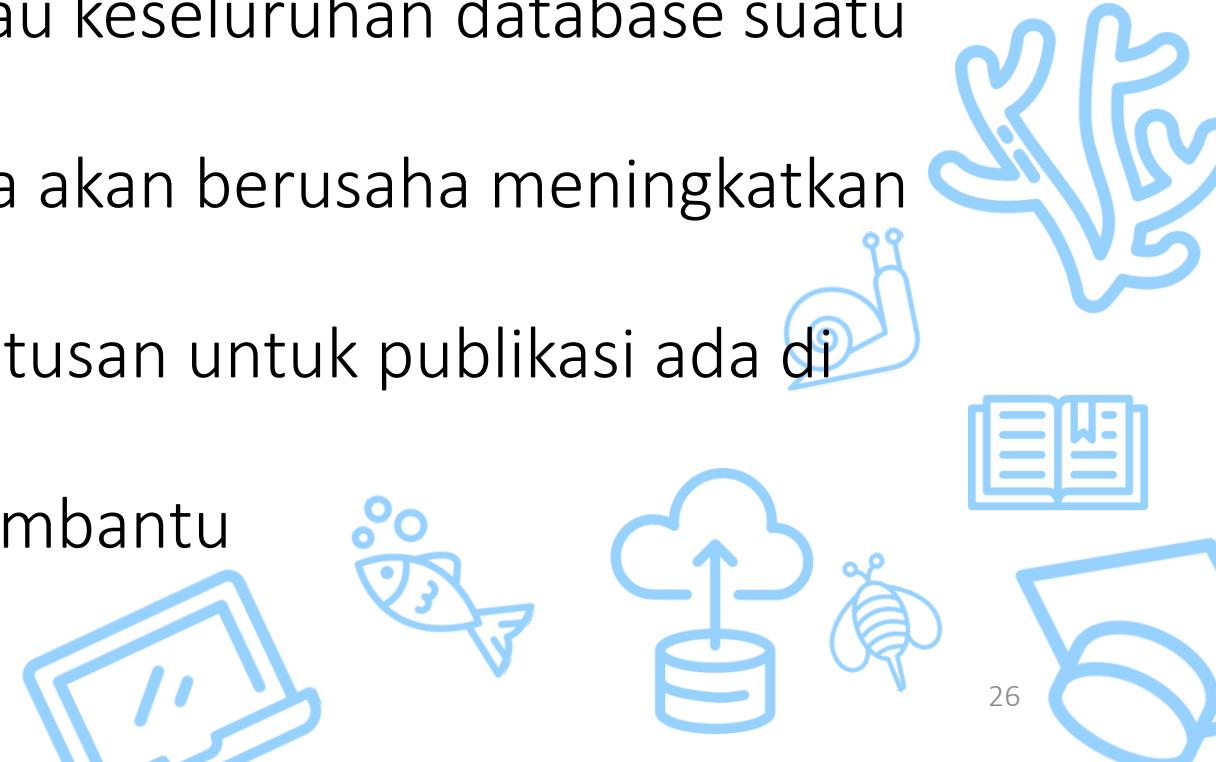
<https://www.gbif.org/data-papers>

Journal	Publisher	Open Access	APC estimate	Impact factor (2016)
Nature Conservation	Pensoft	Yes	€550	1.355
NeoBiota	Pensoft	Yes	€550	-
PhytoKeys	Pensoft	Yes	€550	1.116
PLOS ONE	Plos	Yes	€1,370	2.806
Scientific Data	Nature Publishing Group	Yes	€1,050	4.836
Taxon	Internat. Assoc. Plant Taxonomists (IAPT)	Yes	€1,800	2.450
ZooKeys	Pensoft	Yes	€550	1.031
Annals of Forest Science	Springer	Optional	€2,200	2.357
Global Ecology and Biogeography	Wiley	Optional	€1,530	6.045
Ecological Archives	Ecological Society of America	No	€229	-

* estimate in Euros based on 5,000 words or 15 pages

Data Set yang Dapat Dijadikan Data Paper

- Tak ada aturan baku untuk ini
- Semakin besar ukuran data, semakin baik
- Set data tersebut memiliki signifikansi, semisal periode waktu yang panjang, pertama dalam jenisnya, atau keseluruhan database suatu institusi atau proyek
- Ingat bahwa penerbit data paper juga akan berusaha meningkatkan rating dan metrik publikasi mereka
- Laiknya publikasi ilmiah lainnya, keputusan untuk publikasi ada di tangan editor
- Melihat contoh data paper dapat membantu



Data Set yang Dapat Dijadikan Data Paper

- Sebuah data paper dapat mendeskripsikan beberapa set data yang dikumpulkan beberapa institusi atau kegiatan
- Set data harus memiliki focus taksonomi atau geografi, atau focus tematik lainnya semisal spesies terancam punah, spesies invasif, dsb.
- Set data harus menjadi dasar dari suatu kisah penelitian agar publikasi ilmiah yang koheren dapat dibangun



Publikasi Data Paper di GBIF

Biodiversity Data Journal 2: e4244
doi: 10.3897/BDJ.2.e4244

 Data Paper

An occurrence records database of French Guiana harvestmen (Arachnida, Opiliones)

Sébastien Cally[†], Pierre Solbès[†], Bernadette Grosso[†], Jérôme Murienne[†]
[†] UMR5174 CNRS/UPS/ENFA, Toulouse, France

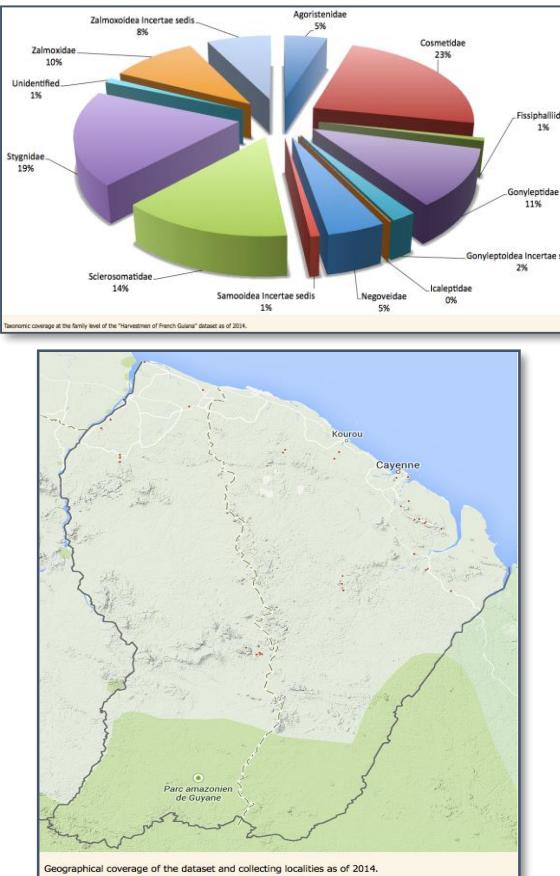
Corresponding author: Sébastien Cally (sébastien.cally@univ-tlse3.fr), Jérôme Murienne (jerome.murienne@univ-tlse3.fr)
Academic editor: Adriano Kury
Received: 13 Nov 2014 | Accepted: 21 Dec 2014 | Published: 25 Dec 2014
Citation: Cally S, Solbès P, Grosso B, Murienne J (2014) An occurrence records database of French Guiana harvestmen (Arachnida, Opiliones). Biodiversity Data Journal 2: e4244. doi: [10.3897/BDJ.2.e4244](https://doi.org/10.3897/BDJ.2.e4244)

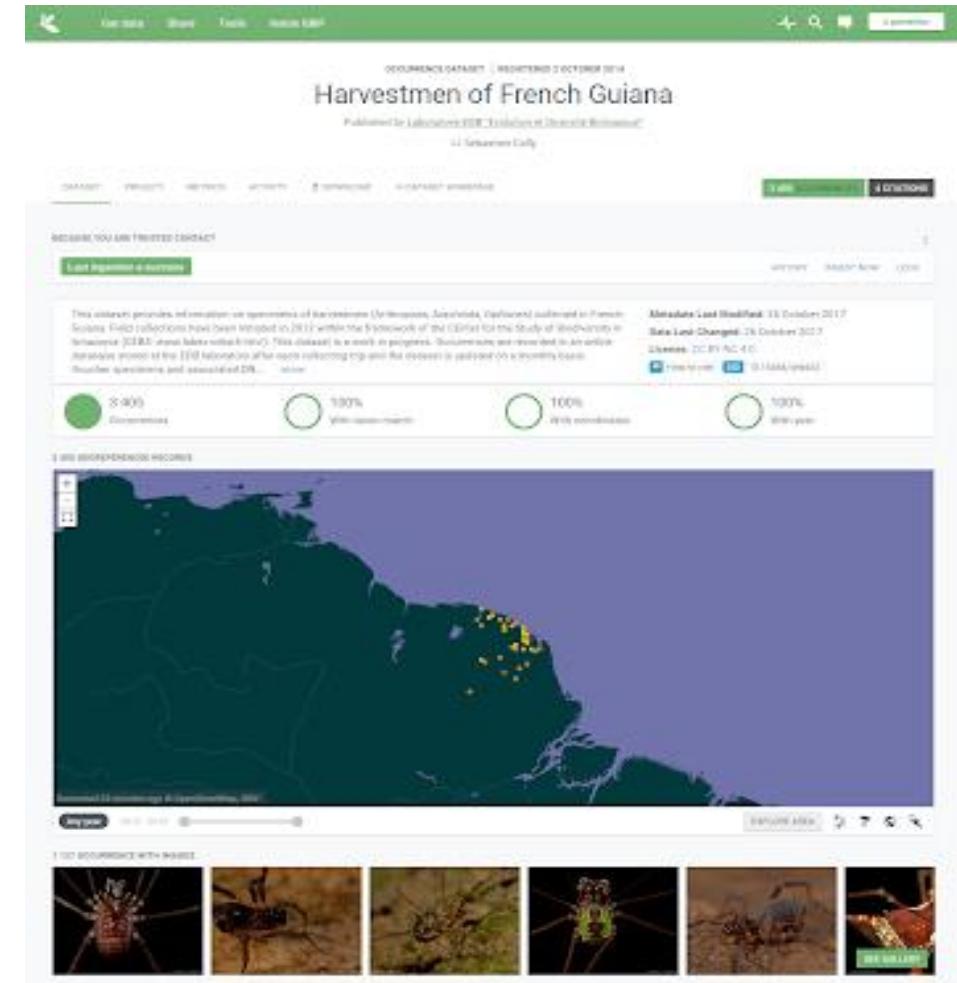
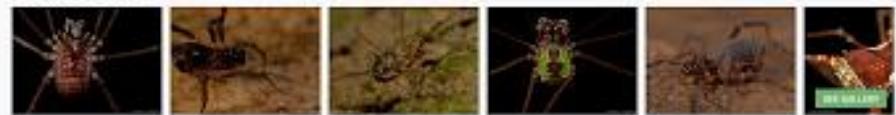
Abstract

This dataset provides information on specimens of harvestmen (Arthropoda, Arachnida, Opiliones) collected in French Guiana. Field collections have been initiated in 2012 within the framework of the CEnter for the Study of Biodiversity in Amazonia (CEBA: www.labex-ceba.fr/en/). This dataset is a work in progress. Occurrences are recorded in an online database stored at the EDB laboratory after each collecting trip and the dataset is updated on a monthly basis. Voucher specimens and associated DNA are also stored at the EDB laboratory until deposition in natural history Museums. The latest version of the dataset is publicly and freely accessible through our Integrated Publication Toolkit at http://130.120.204.55:8080/ipt/resource.do?r=harvestmen_of_french_guiana or through the Global Biodiversity Information Facility data portal at <http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eefed9432c>.

Keywords

Occurrence, French Guiana, Neotropics, Opiliones.



 DOCUMENT DATASET - REGISTERED 2 OCTOBER 2014
Harvestmen of French Guiana
Published by Laboratoire EDB - Institut de l'Environnement
Sébastien Cally
Last updated: 13 October 2017
Data last changed: 26 October 2017
DOI: [10.5555/123456](https://doi.org/10.5555/123456)
Attributed Last Modified: 13 October 2017
Data Last Changed: 26 October 2017
DOI: [10.5555/123456](https://doi.org/10.5555/123456)
1 102 OCCURRENCE RECORDS
8 909 Specimens
100% georeferenced
100% with coordinates
100% with year
Geographical coverage of the dataset and collecting localities as of 2014. The map shows the coastal areas of French Guiana, including the Parc amazonien de Guyane, Kourou, and Cayenne.
1 102 OCCURRENCE WITH IMAGES


Mengetahui Penggunaan Data Secara Aktual

DOWNLOAD | 22 APRIL 2018
3,405 occurrences downloaded

DOI 10.15468/dl.zuabn4

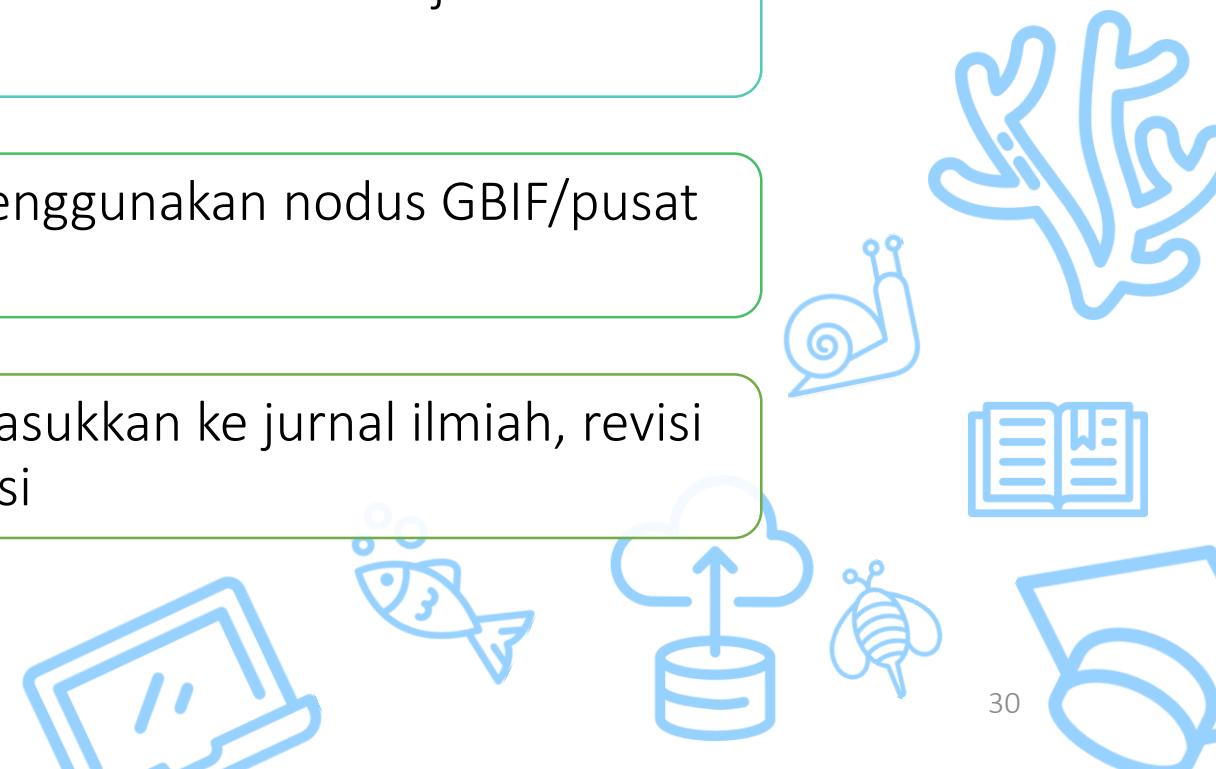


Citation

Bailey R (2018) Harvestmen of French Guiana (Opiliones: Diplopoda: Harvestmen of French Guiana). Biodiversity Data Journal. Dataset. <https://doi.org/10.15468/dl.zuabn4> (accessed 2020-01-20).

Cara Membuat Data Paper

- 1 • Bersihkan dan standarisasi data
• Gunakan Darwin Core untuk membuat set data
- 2 • Persiapkan dokumen metadata yang akan dikonversi menjadi data paper melalui writing tool/template
- 3 • Unggah data dan metadata ke GBIF, menggunakan nodus GBIF/pusat hosting data
- 4 • Ubah metadata menjadi data paper, masukkan ke jurnal ilmiah, revisi setelah mendapat peer review, publikasi



Cara Membuat Data Paper

 GBIF INTEGRATED PUBLISHING TOOLKIT^{IPT}
free and open access to biodiversity data

email login ENGLISH

[Home](#) [About](#)

Harvestmen_of_French_Guiana

This dataset provides information on specimens of harvestmen (Arthropoda, Arachnida, Opiliones) collected in French Guiana. Field collections have been initiated in 2012 within the framework of the CEEnter for the Study of Biodiversity in Amazonia (CEBA: www.labex-ceba.fr/en/). This dataset is a work in progress. Occurrences are recorded in an online database stored at the EDB laboratory after each collecting trip and the dataset is updated on a monthly basis. Voucher specimens and associated DNA are also stored at the EDB laboratory until deposition in natural history Museums. The latest version of the dataset is publicly and freely accessible through our Integrated Publication Toolkit at http://130.120.204.55:8080/Ipt/resource.do?r=harvestmen_of_french_guiana or through the Global Biodiversity Information Facility data portal at <http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eef9432c>.

Summary	Date Published May 20, 2015 Version 23 (Latest) Update Frequency Monthly (Next publication: Jun 19, 2015) Darwin Core download (47 KB) 1474 records Archive EML download (24 KB) RTF download (23 KB) GBIF Registration 3c9e2297-bf20-4827-928e-7c7eef9432c Organisation Laboratoire EDB "Evolution et Diversité Biologique" Endorsing Node GBIF France
Keywords	Occurrence; French Guiana; Neotropics; Opiliones
Language	Metadata Language English Resource Language English
External Links	Resource http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eef9432c Homepage
Resource Contact	Name Sébastien Cally Position Engineer



Contributors Reviewers Feedback Email co-authors Tips and tricks Revision history

Data Paper (Biosciences)

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Biodiversity Data Journal | Data Paper (Biosciences)

Tracking data from nine Cheetahs (*Acinonyx jubatus*) collared in the Thabazimbi area, Limpopo Province, South Africa.

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Open Access

Abstract

Background

In partnership with the University of Pretoria, the Endangered Wildlife Trust's (EWT) Carnivore Conservation Programme (CCP) collared nine free-roaming Cheetahs (*Acinonyx jubatus*) in the Thabazimbi area in Limpopo Province, South Africa. This study was undertaken to determine the spatial ecology of free-roaming Cheetahs and how they utilize areas that lack larger, competing predators such as Lions (*Panthera leo*) and Spotted Hyenas (*Crocuta crocuta*). The data were collected between September 2003 and July 2009; resulting in a total of 3165 location points for nine individual Cheetahs. Further, this dataset provides distribution information about this vulnerable species occurring outside of protected areas within South Africa.

New information

www

Keywords

Satellite tracking, free-roaming Cheetah, conservation, spatial ecology, outside of protected areas

Introduction

Three populations of the Vulnerable Cheetah (*Acinonyx jubatus*) exist in South Africa: 1) a population of approximately XXX

Template dan Sumber Lainnya

- Template dari Scientific Data:
<https://www.nature.com/sdata/publish/submission-guidelines>
- Dokumentasi tentang informasi untuk menulis metadata:
 - <https://github.com/gbif/ipt/wiki/GMPHowToGuide>
 - <https://github.com/gbif/ipt/wiki/resourceMetadata>
- Arpha Writing Tool
 - <https://arpha.pensoft.net>



Terima kasih dan selamat menulis!

Sila hubungi kami bila ada yang ingin didiskusikan atau ditanyakan



Berbagi Tanggung Jawab



Pengumpul data

Label dan catatan lapangan (logbook) harus selengkap mungkin, seakurat mungkin, jelas, tidak ambigu, dan mudah dibaca

Metode koleksi didokumentasikan dengan lengkap



Kurator

Menjaga kualitas transkripsi dan melakukan validasi secara reguler

Menyimpan dan mengarsip data secara reguler, semua arsip disimpan

Memastikan dihormatinya hak kekayaan intelektual, tradisi lokal, sensitivitas

Menyediakan dokumentasi yang berkualitas di setiap tahapan

Mempertimbangkan umpan balik

Bertanggung jawab dalam pengelolaan dan peningkatan kualitas data



Pengguna

Menginformasikan kepada kurator tentang kekeliruan dan kelalaian dalam data dan dokumentasi

Memberikan masukan untuk mendefinisi prioritas pengumpulan data di masa mendatang