



APSEM 2019

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**Les Data papers, une incitation à la  
publication des données sur la  
biodiversité**

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UMS Patrimoine Naturel  
GBIF France ([gbif@gbif.fr](mailto:gbif@gbif.fr))

# Data paper

Une incitation à la publication  
des données de biodiversité



# Data Paper : qu'est-ce que c'est?

Une **publication scientifique** dont le but principal est de **décrire un ensemble de données** ou un groupe d'ensembles de données, plutôt que de rendre compte d'analyses et de résultats de recherche.



# Une proposition concrète récente



Depuis le développement des BD et projets

d'informatisation, la mauvaise valorisation du temps passé à informatiser des données et des connaissances est dénoncée par les scientifiques .

=> Une réflexion conjointe du **GBIF** et de l'éditeur de

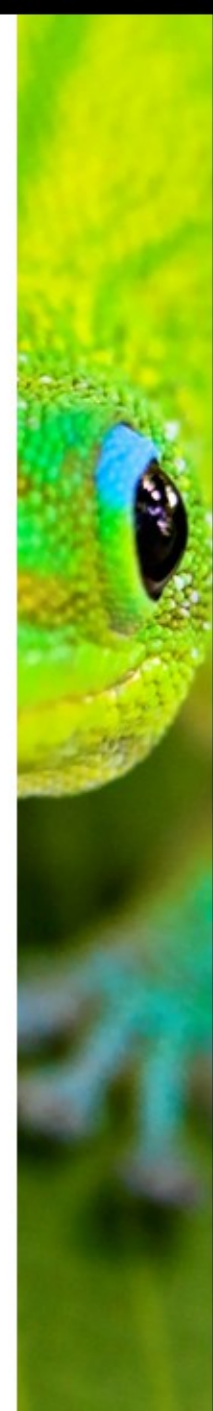
revues  
propos a abouti à une  
L1 :



**GBIF**

Global Biodiversity  
Information Facility

**Data**  **PENSOFT**  
The PENSOFT logo features a stylized green leaf icon to the left of the word 'PENSOFT' in a bold, sans-serif font. Below 'PENSOFT' is a horizontal line.



# ta Paper : avantages



DOI : indexation et citation  
- indexés par Web of Knowledge (ISI), PubMedCentral, Scopus, Zoological Record, Google Scholar, CAB Abstracts, DOAJ, EBSCO.



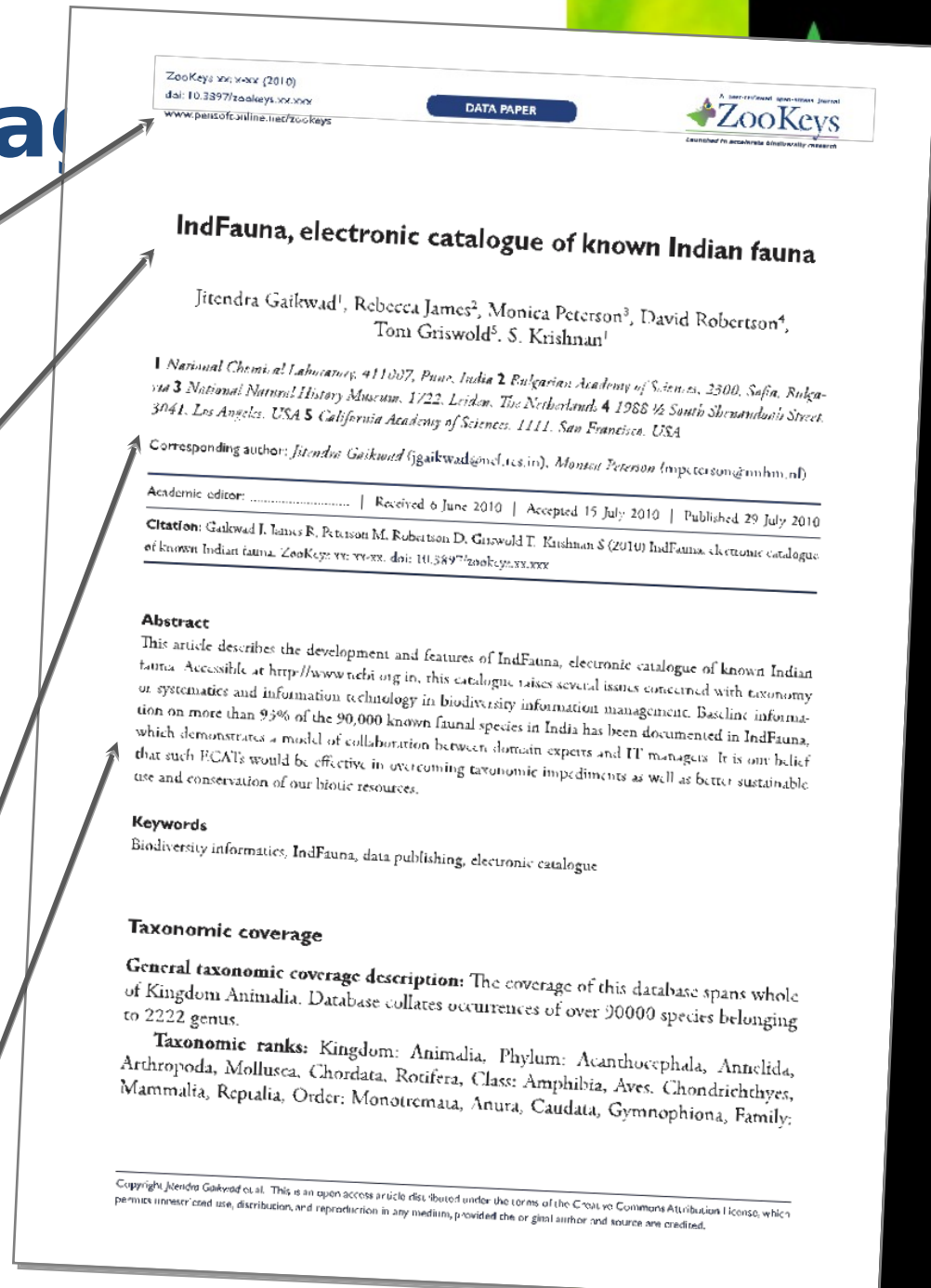
*Promouvoir et faire connaître les données*



Reconnaissance des éditeurs de données via une publication scientifique



Décrit les données sous forme structurée et lisible par un humain



# Récompenser la publication de données



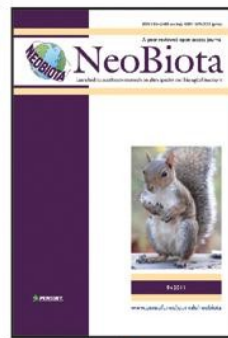
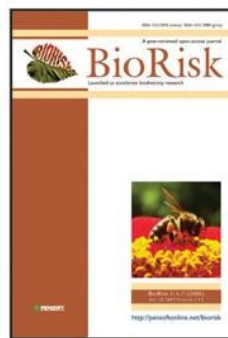
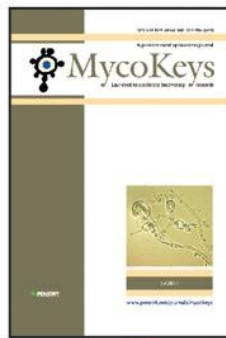
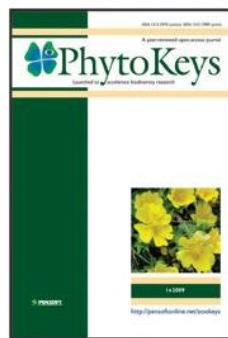
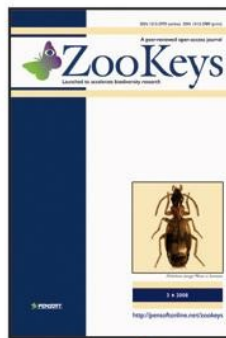
Metadata document



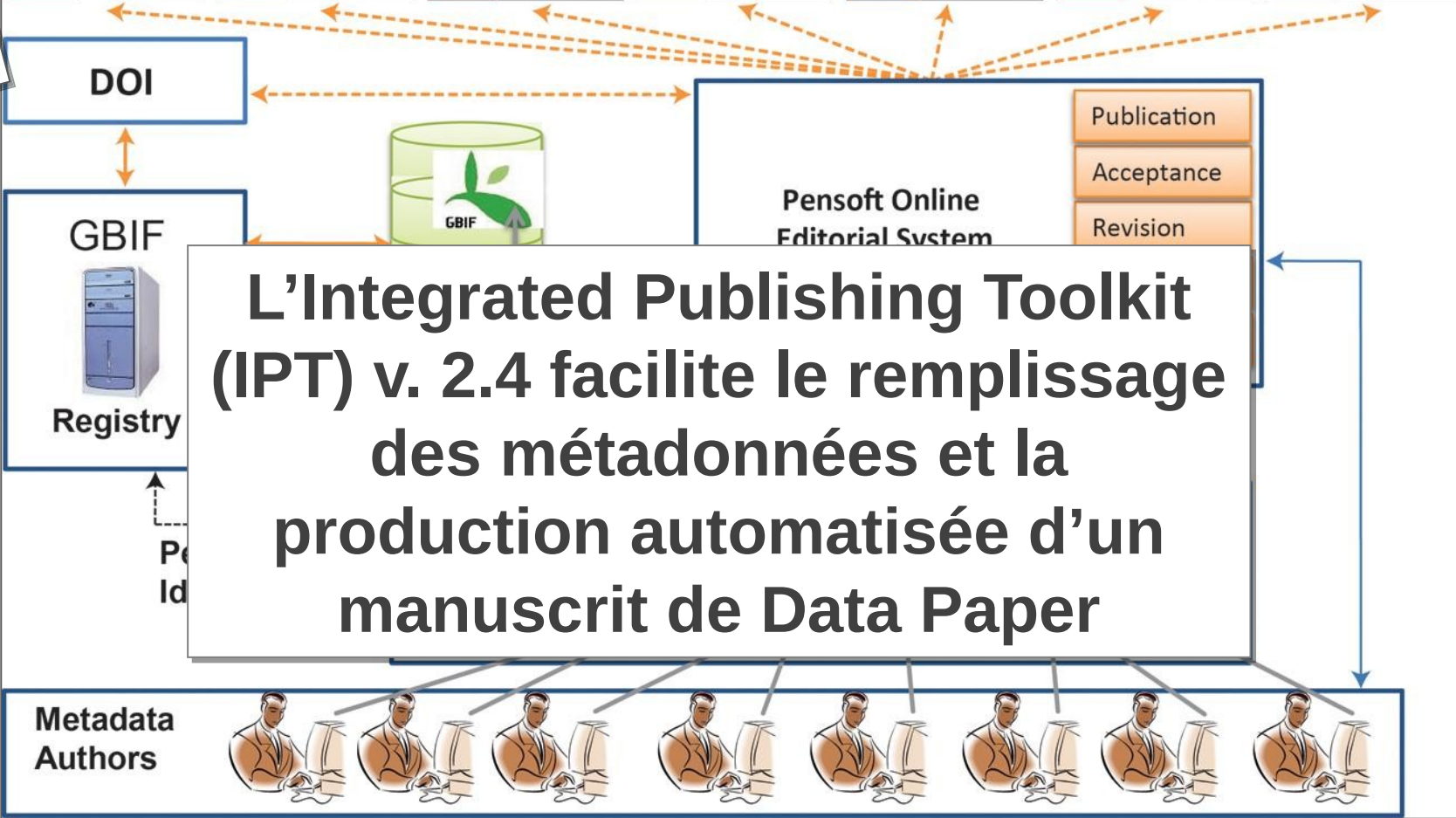
Data Paper



Forthcoming!



Workflow



Source: Chavan and Penev (in press). Data Paper: A mechanism to incentivise data publishing in biodiversity science. BMC Bioinformatics (special supplement), in press



## GuiaTreeK identif

Julien Engel

1 CNRS, UMR AMAP (botAn de la Lironde, TA A-51/PS2, Forêts de Guyane), Campus Ag (Ecologie des Forêts de Guyane UR0629 URFM (Ecologie des 84914 Avignon Cedex 9, France Florida International University

Corresponding author: Julien Engel

Academic editor: Ricarda Riina

Citation: Engel J, Brousseau L, B French Guiana. PhytoKeys 68: 27

### Abstract

The tropical rainforest of Amazonia harbours 16000 tree species. Due to their diversity, even to genus, often requiring advanced informatics tools offer a promising way for zonian tree identification.

Here, we introduce an online tool for identifying tree species occurring in French Guiana and Guayana. vegetative, floral and fruit characteristics are used for the dissemination of botanical

# SCIENTIFIC DATA

## OPEN Data Descriptor: The French Muséum national d'histoire naturelle vascular plant herbarium collection dataset

Received: 07 June 2016

Accepted: 04 January 2017

Published: 14 February 2017

Gwenaël Le Bras<sup>1</sup>, Marc Pignal<sup>1,2</sup>, Marc L. Jeanson<sup>1</sup>, Serge Muller<sup>2</sup>, Cécile Aupic<sup>1</sup>, Benoît Carré<sup>3</sup>, Grégoire Flament<sup>1</sup>, Myriam Gaudeul<sup>2</sup>, Claudia Gonçalves<sup>1</sup>, Vanessa R. Invernón<sup>1</sup>, Florian Jabbour<sup>2</sup>, Elodie Lerat<sup>1</sup>, Porter P. Lowry<sup>2,4</sup>, Bérangère Offroy<sup>1</sup>, Eva Pérez Pimparé<sup>1</sup>, Odile Poncy<sup>2</sup>, Germinal Rouhan<sup>2</sup> & Thomas Haevermans<sup>2</sup>

We provide a quantitative description of the French national herbarium vascular plants collection dataset. Held at the *Muséum national d'histoire naturelle*, Paris, it currently comprises records for 5,400,000 specimens, representing 90% of the estimated total of specimens. Ninety nine percent of the specimen entries are linked to one or more images and 16% have field-collecting information available. This major botanical collection represents the results of over three centuries of exploration and study. The sources of the collection are global, with a strong representation for France, including overseas territories, and former French colonies. The compilation of this dataset was made possible through numerous national and international projects, the most important of which was linked to the renovation of the herbarium building. The vascular plant collection is actively expanding today, hence the continuous growth exhibited by the dataset, which can be fully accessed through the GBIF portal or the MNHN database portal (available at: <https://science.mnhn.fr/institution/mnhn/collection/p/item/search/form>). This dataset is a major source of data for systematics, global plants macroecological studies or conservation assessments.

tion of vascular  
ge in France:  
nated by the  
nservatories

at Boulet<sup>2</sup>,  
trève<sup>1</sup>

0 Montreuil 2 Conservatoire

Published 29 September 2015

SiFlore, a dataset of geographical  
collaborative project coordinated  
10.3897/phytokeys.56.5723

MNHN, Secretariat of the  
a 20km spatial resolution,  
ere has not been any work  
er understanding. In 2011,  
naux<sup>2</sup> (FCBN, <http://www.mnhn.fr>).  
al botanical conservatories  
d system for data hosting,  
ts. In 2014, the first phase



OCCURRENCE DATASET | REGISTERED 10 NOVEMBER 2011

# The vascular plants collection (P) at the Herbarium of the Muséum national d'Histoire Naturelle (MNHN - Paris)

Published by [MNHN - Museum national d'Histoire naturelle](#)

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5 438 652 OCCURRENCES

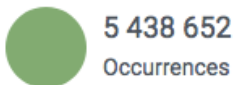
34 CITATIONS

The French National Herbarium, estimated at 8 million preserved specimens from around the world, but particularly in France, Francophone Africa, New Caledonia, Madagascar, Southeast Asia, in French Guiana . It also has important collections in light of the history of botany: Tournefort, Jussieu, Lamarck, Adanson, and those of famous travelers as Bonpland, Michaud, Saint-Hilaire, Richard, D'Orbigny etc. The designation at CITES is FR 75A. It publishes Adansonia, a botanical periodical, and journals on the flora of New Caledonia, Madagascar and Comores, Cambodia, Laos and Vietnam, Cameroon, and Gabon.

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[How to cite](#) [DOI](#) 10.15468/nc6rxy



5 438 652 Occurrences



99.6% With taxon match

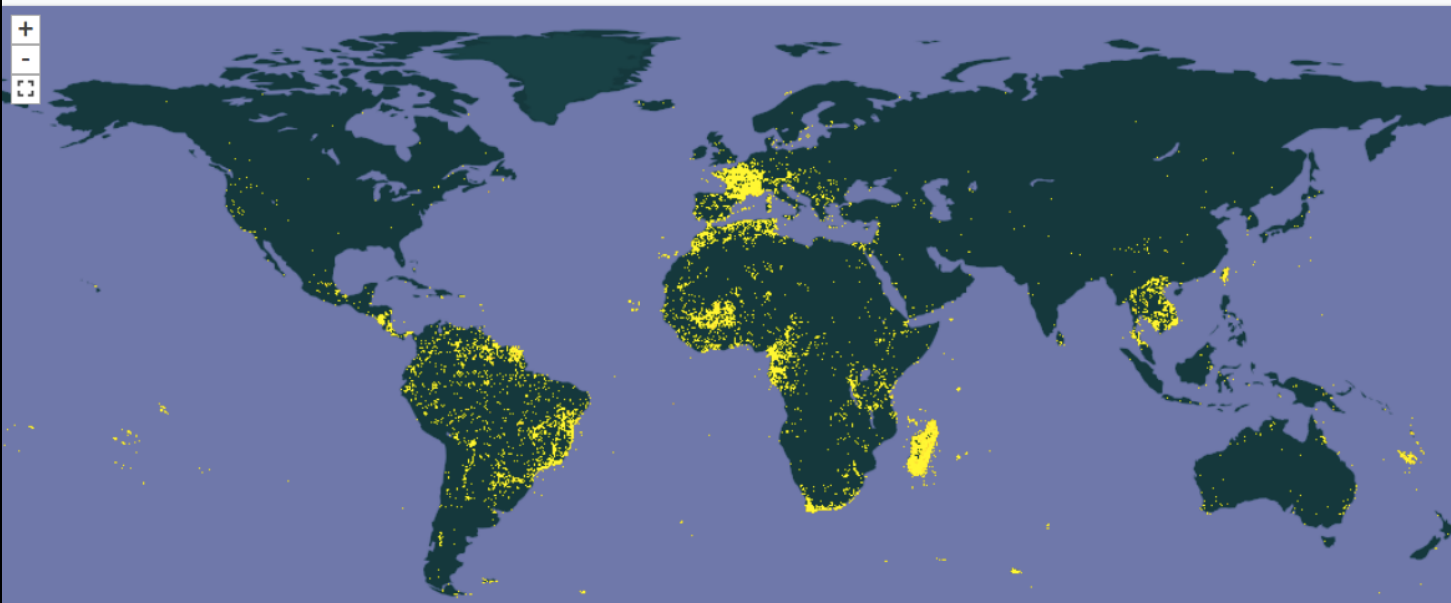


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Relevance



Year



Topic



Anales del Jardín Botánico de Madrid 74 (2): e060

ISSN: 0211-1322

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anales@...

# On the identity of *Helianthemum mathezii* and *H. pomeridianum* (Cistaceae)

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<sup>1,2</sup>Dept. of Plant Biology and Ecology, Universidad de Sevilla

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<sup>2</sup>[albadalejo@us.es](mailto:albadalejo@us.es), <http://orcid.org/0000-0003-2101-5111>

**Abstract.** The original description of *Helianthemum mathezii* regarded the species to be a therophyte. However, the detailed observation of the holotype of *H. mathezii*, as well as newly collected specimens from the type locality, does not support its condition of annual plant. Further study has led to the conclusion that all these plants can readily be identified as *H. pomeridianum*; the descriptions of *H. mathezii* and *H. pomeridianum* are equivalent except for the habit, being the former annual and the latter suffruticose. We show in this study that *H. mathezii* is to be considered a synonym of *H. pomeridianum*, and report a new locality of *H. pomeridianum* in Morocco. Also, we provide the first chromosome count for this species ( $2n = 22$ ) which emphasizes the close relationship of *H. pomeridianum* to *H.* subgen. *Plectolobum*.

**Keywords.** Chromosome count, Cistaceae, *Helianthemum mathezii*, *Helianthemum pomeridianum*, taxonomy.

**Resumen.** En la descripción original de *Helianthemum mathezii* se considera esta especie un terofita. Sin embargo, la observación detallada de su holotipo y de sus especímenes recién recolectados en la localidad tipo, no respaldan su condición de planta anual. Un estudio posterior ha llevado a la conclusión de que todas estas plantas pueden ser fácilmente identificadas como *H. pomeridianum*; las descripciones de *H. mathezii* y *H. pomeridianum* son similares excepto en lo referido a su hábito, la primera supuestamente es una planta anual y la segunda sufruticosa. Así pues, aquí recomendamos considerar *H. mathezii* como sinónimo de *H. pomeridianum*, y citamos una localidad nueva de esta especie en Marruecos. Además, damos cuenta del primer recuento de cromosomas efectuado para la misma ( $2n = 22$ ), que demuestra la estrecha afinidad de *H. pomeridianum* y *H.* subgen. *Plectolobum*.

**Palabras clave.** Cistaceae, *Helianthemum mathezii*, *Helianthemum pomeridianum*, recuento de cromosomas, taxonomía.

## On the identity of *Helianthemum mathezii* and *H. pomeridianum* (Cistaceae)

Literature

Aparicio, A. Albaladejo, R. (2017) Anales del Jardín Botánico de Madrid

The original description of *Helianthemum mathezii* regarded the species to be a therophyte. However, the detailed observation of the holotype of *H. mathezii*, as well as newly collected specimens from the type locality, does not support its condition of annual plant. Further study has led to the concl...

Chromosome count • Cistaceae • *Helianthemum mathezii* • *Helianthemum pomeridianum* • taxonomy

Journal Article Open Access Peer-Reviewed

Data used in study DOI 10.15468/dl.chwrw5

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Scientific name Helianthemum pomeridianum dunal API

INCLUDES RECORDS FROM 10 DATASETS

Naturalis Biodiversity Center (NL) - Botany Leiden 5

The vascular plants collection (P) at the Herbarium of the Muséum national d'Histoire Naturelle (MNHN - Paris) 45

Zealand • Pliocene • Terminalia

DOI 10.15468/dl.nppdpb DOI 10.15468/dl.pfju28

al climatic relationships of divaricate plants in New Zealand Literature

# The vascular plants collection (P) at the Herbarium of the Muséum national d'Histoire Naturelle (MNHN - Paris)

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**5 438 652 OCCURRENCES** **34 CITATIONS**

## 88 494 download events

### 94 OCCURRENCES FROM THIS DATASET

<b>DOI</b> 10.15468/dl.y2pclc	<b>Occurrences:</b> 3,439
<b>Date:</b> 15 November 2017	<b>Involved Datasets:</b> 58
<b>Scientific name</b> Apium repens (jacq.) lag.	
<a href="#">RERUN QUERY</a>	

### 1 OCCURRENCES FROM THIS DATASET

<b>DOI</b> 10.15468/dl.lkqsyk	<b>Occurrences:</b> 20
<b>Date:</b> 15 November 2017	<b>Involved Datasets:</b> 10
<b>Scientific name</b> Heliconia revoluta (griggs) standl.	
<a href="#">RERUN QUERY</a>	

### 28 772 OCCURRENCES FROM THIS DATASET

<b>DOI</b> 10.15468/dl.lp9wgm	<b>Occurrences:</b> 1,667,361
<b>Date:</b> 15 November 2017	<b>Involved Datasets:</b> 1,141

# The Jean Gutierrez spider mit

Alain Migeon<sup>1</sup>

<sup>1</sup> INRA, UMR 1062 CBGP, F-34988 Montpellier-sur-Lez, France

Corresponding author: *Alain Migeon* ([alain.migeon@supagro.inra.fr](mailto:alain.migeon@supagro.inra.fr))

Academic editor: *V. Pesic* | Received 28 January 2015 | Accepted 10 Ma

<http://zoobank.org/0719C382-988D-4DCC-8B24-00E>

Citation: Migeon A (2015) The Jean Gutierrez spider mite collection. *ZooKeys* 489: 15

## Abstract

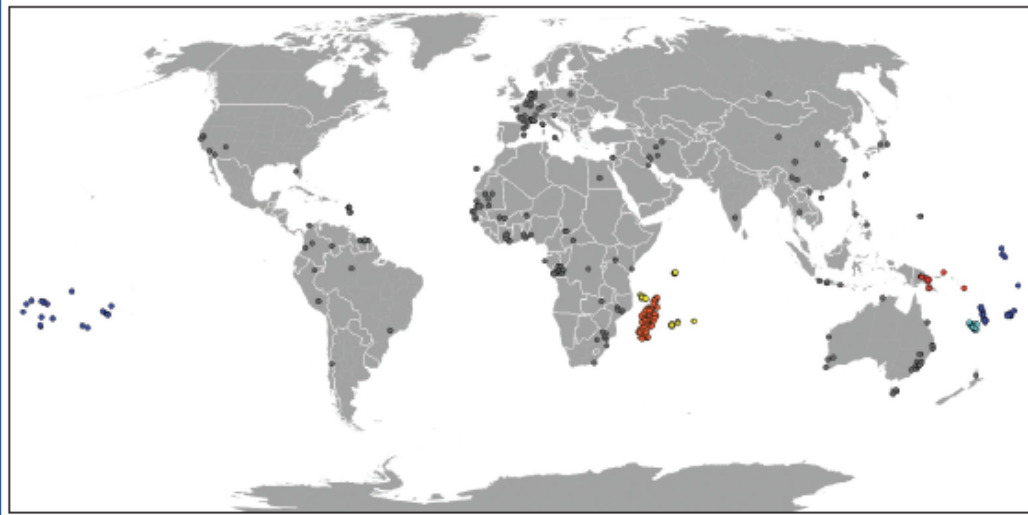
The family Tetranychidae (spider mites) currently comprises 1,275 species important agricultural pest families among the Acari with approximately of which considered major pests. The dataset presented in this document is mites composing the Jean Gutierrez Collection hosted at the CBGP (Montpellier) created from 1963 to 1999 during his career at the Institut de Recherche pour le Développement. The collection consists of 5,262 specimens corresponding to 1,564 occurrences (combination of specimen and location) of 175 species. Most specimens were collected in Madagascar and the Western Indian Ocean, New Caledonia and other islands of the South Pacific and Papua New Guinea, today the most important one available on Tetranychidae worldwide.

## Keywords

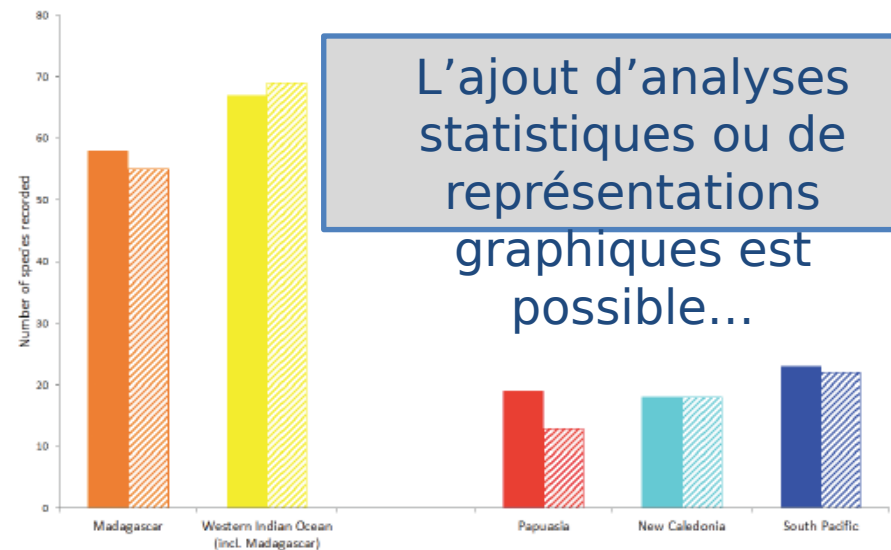
Acari, Tetranychidae, World, Madagascar, Western Indian Ocean, New Ca

## Data published through GBIF

<http://www.gbif.org/dataset/ac60a288-fcc9-43fe-a7d4-e732b748a981>



**Figure 1.** World map representing all the locations mentioned in the dataset. Areas of particular interest are represented with the same colour (● Madagascar, ● Western Indian Ocean, ● Papua New Guinea, ● New Caledonia, ● South Pacific). Grey spots gather all the other locations.



**Figure 2.** Number of species recorded in Jean Gutierrez collection dataset (solid bar) and in the literature (dashed bar) compiled in Spider Mites Web (<http://www1.montpellier.inra.fr/CBGP/spmweb/>) for the areas of particular interest. Colour scheme same as in Figure 1.

# OCCURRENCE DATASET | REGISTERED FEBRUARY 11, 2014

## Spider Mites Collection of Jean Gutierrez

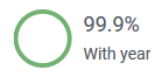
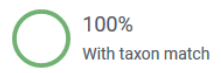
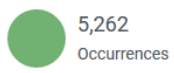
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Alain Migeon

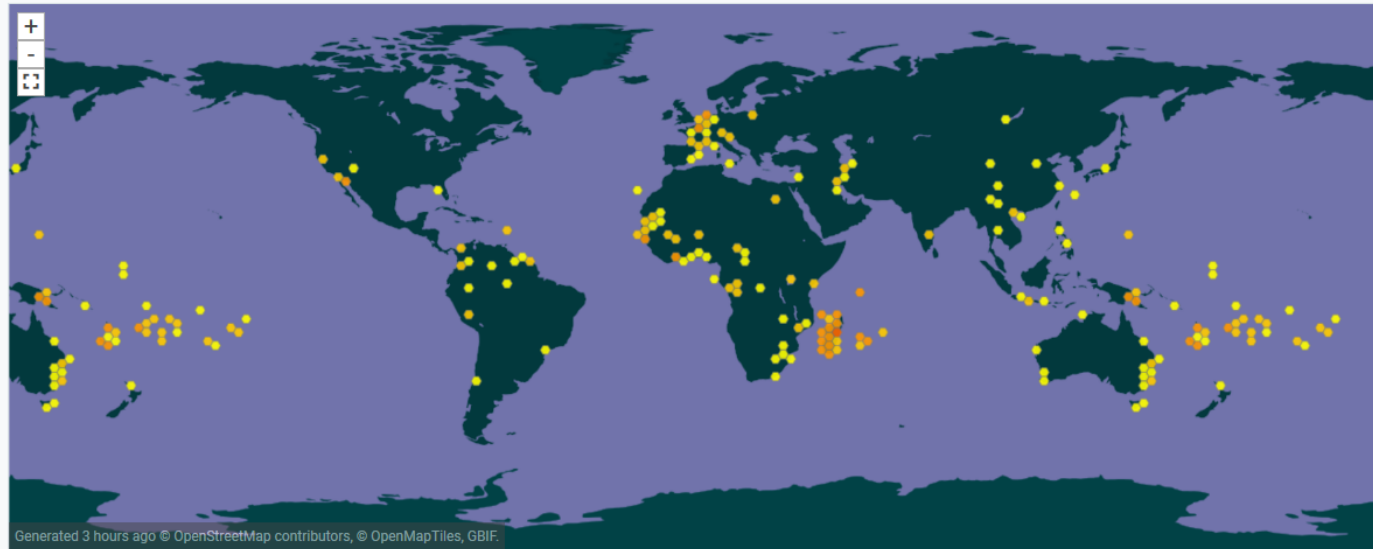
DATASET METRICS ACTIVITY [DOWNLOAD](#) 5,262 OCCURRENCES 13 CITATIONS

The spider mites collection (Acari : Tetranychidae) has been set up by Jean Gutierrez, acarologist in IRD (French Institute of Research for Development) from 1960 to 2000 and is actually deposited in CBGP (CBGP – INRA, Campus International de Baillarguet, Avenue du Campus Agropolis, CS 30016, 34988 MONTFERRIER-sur-LEZ Cedex, France), an INRA (French National Institute for Agricultural Research) laboratory in Montpellier. The actual curator is Alain Migeon ([Alain.Migeon@supagro.inra.fr](mailto:Alain.Migeon@supagro.inra.fr)).  
The 5262 slides represent 1564 occurrences (species/date/host plant/location) mainly from Western Europe, Madagascar, Mascarens Islands, New Caledonia and Pacific Islands.

**Metadata last modified:** November 7, 2017  
**Data last changed:** June 17, 2014  
**Hosted by:** GBIF France  
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[How to cite](#) [DOI](#) 10.15468/y3gua7



5,128 GEOREFERENCED RECORDS



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EXPLORE



# An occurrence records database of harvestmen (Arachnida, Opiliones)

Sébastien Cally<sup>†</sup>, Pierre Solbès<sup>†</sup>, Bernadette Grosso<sup>†</sup>, Jérôme Muriénne<sup>†</sup>

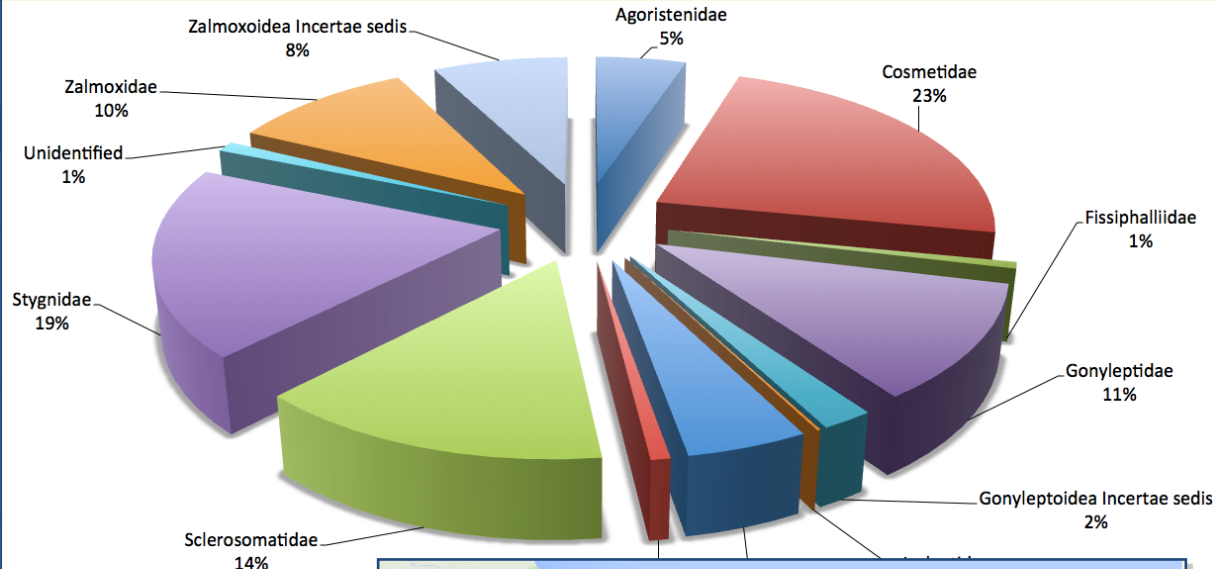
<sup>†</sup>UMR5174 CNRS/UPS/ENFA, Toulouse, France

Corresponding author: Sébastien Cally ([sebastien.cally@univ-tlse3.fr](mailto:sebastien.cally@univ-tlse3.fr)), Jérôme Muriénne ([jerome.murienne@univ-tlse3.fr](mailto:jerome.murienne@univ-tlse3.fr))

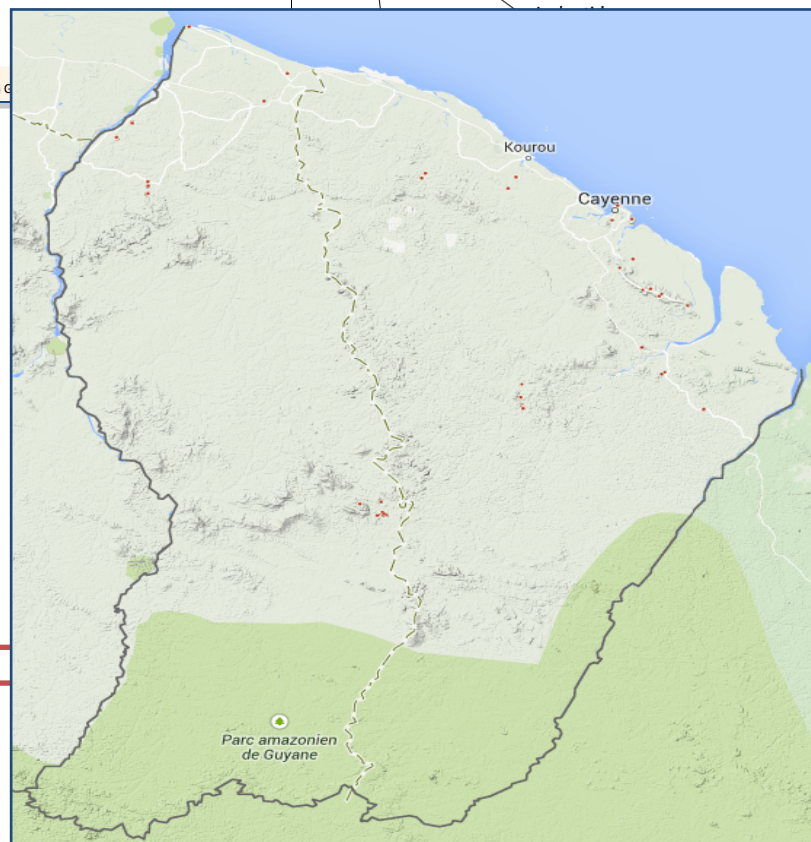
Academic editor: Adriano Kury

Received: 13 Nov 2014 | Accepted: 21 Dec 2014 | Published: 25 Dec 2014

Citation: Cally S, Solbès P, Grosso B, Muriénne 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)



Taxonomic coverage at the family level of the "Harvestmen of French Guiana"



Geographical coverage of the dataset and collecting localities as of 2014.

## 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/](http://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](http://130.120.204.55:8080/ipt/resource.do?r=harvestmen%20of%20french%20guiana) or through the Global Biodiversity Information Facility data portal at <http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eefd9432c>.

## Keywords

Occurrence, French Guiana, Neotropics, Opiliones.



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 Center for the Study of Biodiversity in Amazonia (CEBA: [www.labex-ceba.fr/en/](http://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](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-7c7eefd9432c>.

### Summary

**Date Published** May 20, 2015  
**Version** 23 (Latest)  
**Update Frequency** Monthly (*Next publication: Jun 19, 2015*)  
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**Archive**  
**EML** [download](#) (24 KB)  
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**GBIF Registration** [3c9e2297-bf20-4827-928e-7c7eefd9432c](http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eefd9432c)  
**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-7c7eefd9432c>  
**Homepage**

### Resource Contact

**Name** Sébastien Cally  
**Position** Engineer





OCCURRENCE DATASET | REGISTERED OCTOBER 2, 2014

# Harvestmen of French Guiana

Published by [Laboratoire EDB "Evolution et Diversité Biologique"](#)

✉ Sébastien Cally

DATASET PROJECT METRICS ACTIVITY DOWNLOAD HOME PAGE

3,405 OCCURRENCES 7 CITATIONS

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/](http://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 DN... [More](#)

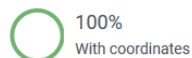
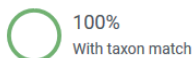
**Metadata last modified:** February 21, 2019

**Data last changed:** February 21, 2019

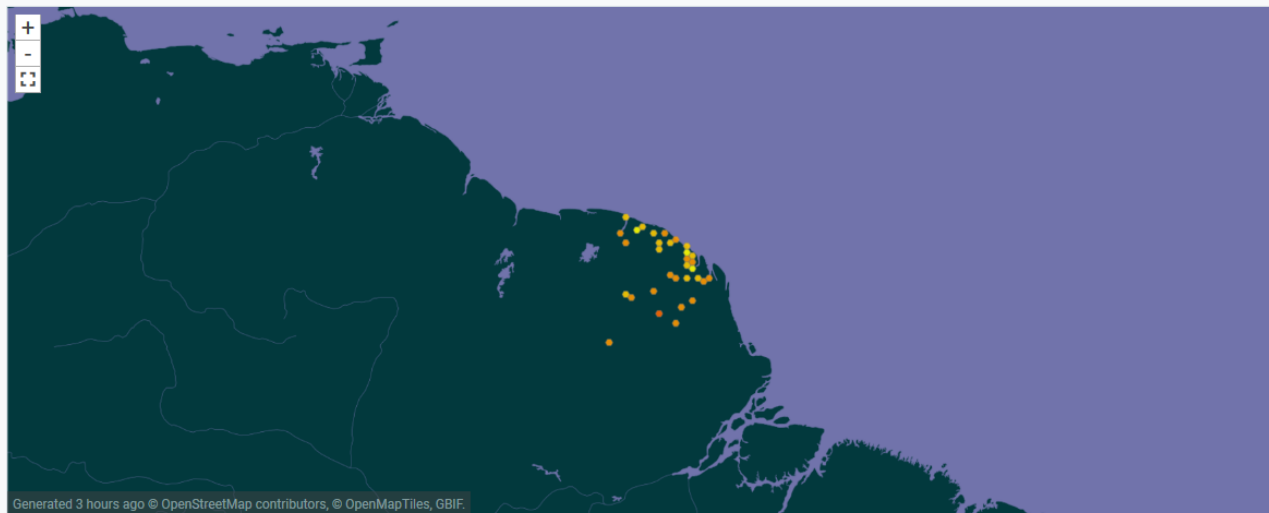
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Helping you publish, discover,  
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# Resources sur les data papers

- List of IPT installations supporting 'Data Paper' authoring

<http://tools.gbif.org/data-paper-authoring>

- PenSoft's IPT based data Hosting Center

<http://ipt.pensoft.net/ipt>

- PenSoft Data Publishing Policies and Guidelines for Biodiversity Data

[http://www.pensoft.net/J\\_FILES/Pensoft\\_Data\\_Publishing\\_Policies\\_and\\_Guidelines.pdf](http://www.pensoft.net/J_FILES/Pensoft_Data_Publishing_Policies_and_Guidelines.pdf)



# Ressources sur les data papers

- <http://biofreshblog.com/2012/06/29/what-does-a-data-paper-look-like/>
- <http://blog.datadryad.org/2011/06/03/a-new-creature-in-the-biodiversity-world-the-data-paper/>
- <http://www.openaire.eu/it/component/content/article/399-data-paper-the-data-publishing-project-of-pensoft>
- <http://www.icimod.org/?q=8380>





**Pensoft** : maison d'édition de littérature scientifique en Bulgarie

<https://pensoft.net>

[www.gbif.org](http://www.gbif.org)

A développé les Data Papers sur les données de biodiversité en partenariat avec le GBIF (Global Biodiversity Information Facility) en 2010

# Growing family of Pensoft open access journals





**Outil de rédaction ARPHA** : facilite la mise en page, la soumission, le processus de relecture, la publication, l'hébergement et l'archivage d'articles scientifiques

**ARPHA**

an end-to-end journal publishing platform

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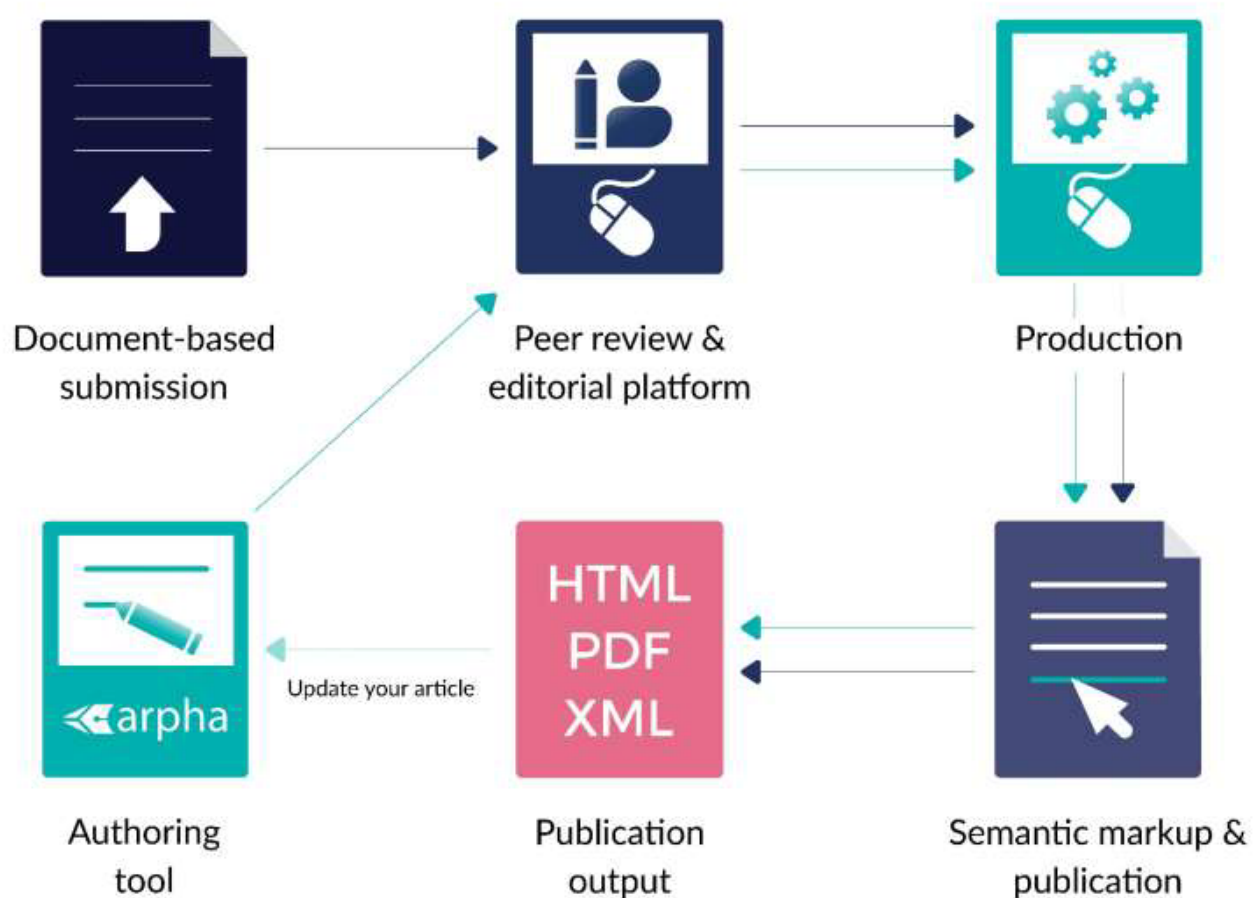
# Interface utilisateur

The screenshot displays the GBIF user interface for editing a 'Data Paper'. The interface is divided into several sections:

- Top Navigation:** Includes 'arpha writing tool', 'Email co-authors and contributors', 'helpdesk', 'Tips and tricks', 'tutorial', 'Revision history', and a user profile for 'Ms Sophie Pamerlon'.
- Left Sidebar:** A navigation menu with categories like 'Authors', 'Contributors', 'Article metadata' (with sub-items: Title, Abstract & Keywords, Classifications, Funder), 'Introduction' (with sub-item: First section), 'General description', 'Project description', 'Sampling methods', 'Geographic coverage', 'Taxonomic coverage', 'Traits coverage', 'Temporal coverage', 'Collection data', 'Usage rights', 'Data resources', 'Additional information', and 'Acknowledgements'.
- Main Content Area:**
  - Header: 'Biodiversity Data Journal : Data Paper (Biosciences)' with a 'Print' icon.
  - Title: 'Data Paper' in a large, bold font, with an edit icon on the left and a comment icon on the right.
  - Author: 'Sophie Pamerlon \*' with a superscripted asterisk, and affiliation '‡ GBIF France, Paris, France'.
  - Corresponding author section: Includes 'Corresponding author:', '© 2018 Sophie Pamerlon', and 'Citation: () . <https://doi.org/>'.
  - Open Access: An 'OPEN ACCESS' logo.
  - Section Headers: 'Abstract', 'Background', 'New information', and 'Introduction'.
  - Content: Under 'Background', there is a link 'Marchand 2017'. Under 'New information', there is the text 'test'.
  - Section Headers: 'Introduction' and 'First section' are listed at the bottom.
- Right Sidebar:** Contains a 'Resolved' status indicator and a 'Filter' button.



## Deux voies de publication possibles : document ou XML





## Outil et fonctionnalités interoperables

Integrated with other systems via  
**web services & data exchange**



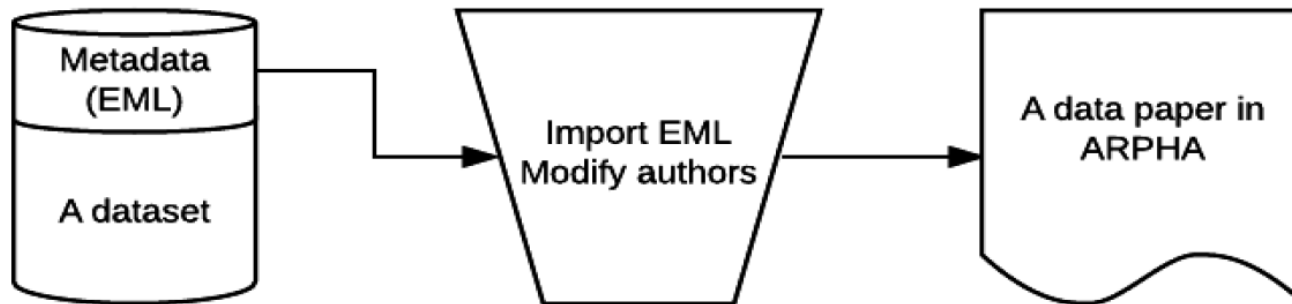




# Outil et fonctionnalités interoperables.

## Exemple : métadonnées GBIF (IPT) → Data paper (ARPHA)

Generate and import an **entire manuscript**



DataONE



GBIF

LTER

Name	Email	Include	Is Submitting
Viktor Senderov	datascience@pensoft.net	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NoName PleaseChange	NoName@PleaseChange.This	<input type="checkbox"/>	<input type="checkbox"/>
Oscar Schofield	oscar@marine.rutgers.edu	<input type="checkbox"/>	<input type="checkbox"/>

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Recently Submitted Data Paper Manuscripts

Photosynthetic pigments of water column samples analyzed using High Performance Liquid Chromatography (HPLC), sampled during Palmer LTER field season at Palmer Station Antarctica, 1991 - 2009.

Oscar Schofield<sup>1</sup>

<sup>1</sup>Rutgers University, ...

Corresponding author: Oscar Schofield, oscar@marine.rutgers.edu

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October 3, 2010





# Exemple de Data Paper publié via Arpha Writing



Data Paper

Biodiversity Data Journal 5: e15125 (09 Nov 2017)  
<https://doi.org/10.3897/BDJ.5.e15125>

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## Abundance indices and biological traits of juvenile salmon (*Salmo salar*) sampled in three rivers on the Atlantic and Channel coasts (France)

▼ Frédéric Marchand, Laurent Beaulaton, Etienne Prévost, Richard Delanoë, Jean-Pierre Destouches, François Gueraud, Yoann Guilloux, Nicolas Jeannot, Emmanuel Huchet, Frédéric Lange, Jacques Rives, Julien Tremblay, Nadine Herrard, Didier Azam

### Abstract ▲

#### Background

Atlantic Salmon (*Salmo salar*) is an anadromous migratory species adapted to cool temperatures. It is protected by the Bern convention and by the European Habitats Directive. It has been listed as vulnerable by the French IUCN Red List. Salmon decline is the result of combined and cumulated, mainly anthropic, causes: climate change, increasingly high number of impoundments, degradation of water quality and habitat and over-exploitation by fisheries. Monitoring of this species has been carried out on three rivers in France (Southern part of the distribution area) to produce data and knowledge (growth, precocious maturity, survival) for stock management.

For 24 years, a specific and standardised electric fishing protocol has been used to target young-of-the-year (0+ parr) Atlantic salmon. Sampling was restricted to areas with shallow running water that flows over a coarse bottom substrate, i.e. the preferred habitat of young salmon. This monitoring and inventory of growing areas thus allows assessment of juvenile recruitment and provides baseline data required to calculate total allowable catches (TACs).

Contents	Article info	Citation	Metrics	Comment	Related
Figs	Taxa	Data	Refs	Cited	

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- [Introduction](#)
- [Project description](#)
- [Sampling methods](#)
- [Geographic coverage](#)
- [Taxonomic coverage](#)
- [Temporal coverage](#)
- [Collection data](#)
- [Usage rights](#)
- [Data resources](#)
- [Additional information](#)
- [Acknowledgements](#)
- [References](#)
- [Supplementary files](#)



# Un des jeux de données correspondants sur [www.gbif.org](http://www.gbif.org)

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OCCURRENCE DATASET | REGISTERED 6 MARCH 2017

## Abundances indices and biological traits of juvenile salmon sampled in the Scorff river (France)

Published by [Institut National de la Recherche Agronomique \(INRA\)](#)

Nicolas Jeannot • Didier Azam • Yoann Guilloux • Etienne Prévost • Frédéric Marchand

DATASET | PROJECT | STATS | ACTIVITY | DOWNLOAD | DATASET HOMEPAGE

34 940 OCCURRENCES

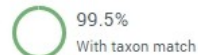
1 CITATION

A survey started in 1993 is conducted every year in early autumn (late September to early October) to quantify the abundance of juvenile Atlantic salmon in the Scorff in Brittany. The electric fishing protocol of Prévost and Baglinière (1995) is used. It targets Atlantic salmon young of the year (0+ parr), but older fish (juvenile salmon  $\geq 1+$ ) are also caught and included in this dataset. Sampling is restricted to areas with shallow running water flowing on coarse bottom substrate, i.e. the prefe... [more](#)

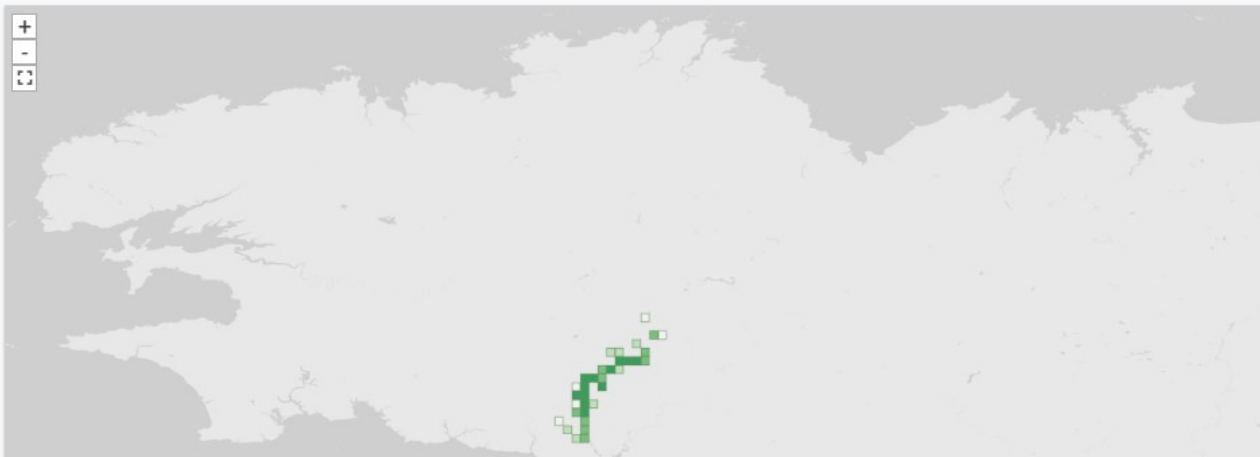
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How to cite DOI: [10.15468/mz4lyw](https://doi.org/10.15468/mz4lyw)



34 940 GEOREFERENCED RECORDS





Global Biodiversity Information Facility  
Système Mondial d'Information sur la Biodiversité

> Accès libre et gratuit aux données de la biodiversité



## Contacts

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