



generated January 2025

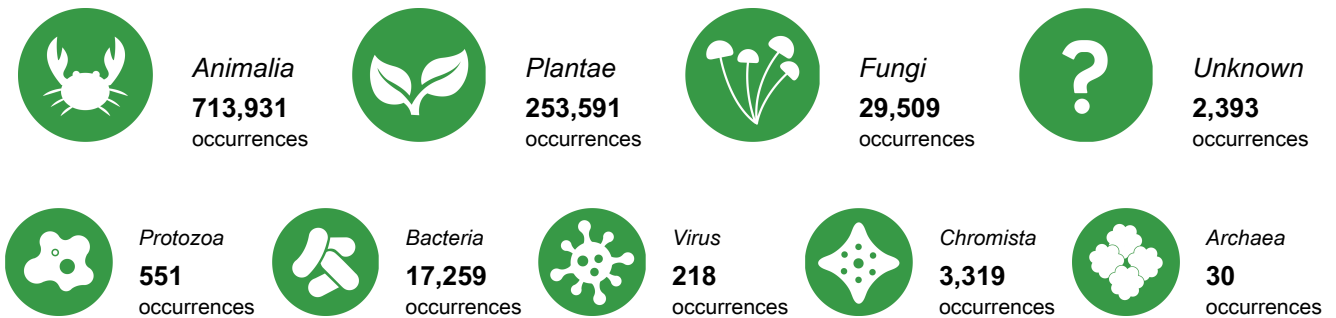
## French Guiana

This report provides a series of summary charts, statistics and other details about the mobilization and use of open-access species data through the GBIF network, relating to users and participating institutions in French Guiana. These metrics show status at the time of report generation, unless otherwise noted. Taken together, the elements of this report can help guide and measure progress toward the information needs for biodiversity research, as well as for national commitments on biodiversity and sustainable development.

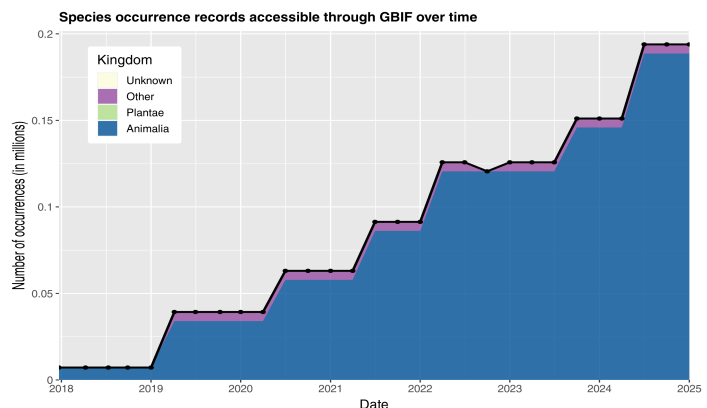
### ► Access and usage



### ► Data availability in French Guiana



### ► Data mobilization

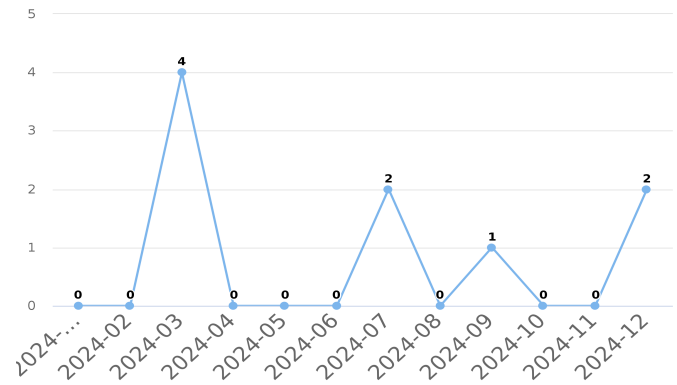
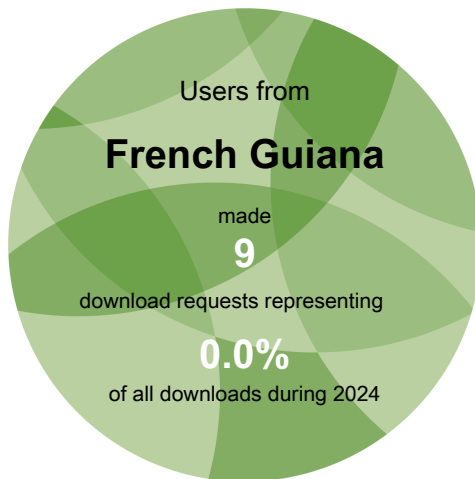


Number of records published by institutions in French Guiana, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in French Guiana



Monthly downloads requested by users in French Guiana

### Recent peer-reviewed articles using GBIF-mediated data by co-authors based in French Guiana

The GBIF Secretariat maintains and reports on an ongoing literature tracking programme, giving priority to substantive uses of GBIF-mediated data in peer-reviewed literature while identifying the countries or areas of the authors' institutional affiliations. The citations below represent the five most recent journal articles with at least one co-author from French Guiana.

Those interested in assisting the Secretariat in identifying additional peer-reviewed uses of GBIF-mediated data may forward relevant citations to [comms@gbif.org](mailto:comms@gbif.org).

Hordijk, Bialic-Murphy, Lauber *et al.* (2024) Dominance and rarity in tree communities across the globe: Patterns, predictors and threats. *Global Ecology and Biogeography*.  
<https://doi.org/10.1111/geb.13889>

Cazzolla Gatti, Reich, Gamarra *et al.* (2022) The number of tree species on Earth. *Proceedings of the National Academy of Sciences*.  
<https://doi.org/10.1073/pnas.2115329119>

Tareau, Palisse, Odonne. (2017) As vivid as a weed... Medicinal and cosmetic plant uses amongst the urban youth in French Guiana. *Journal of Ethnopharmacology*.  
<https://doi.org/10.1016/j.jep.2017.03.031>

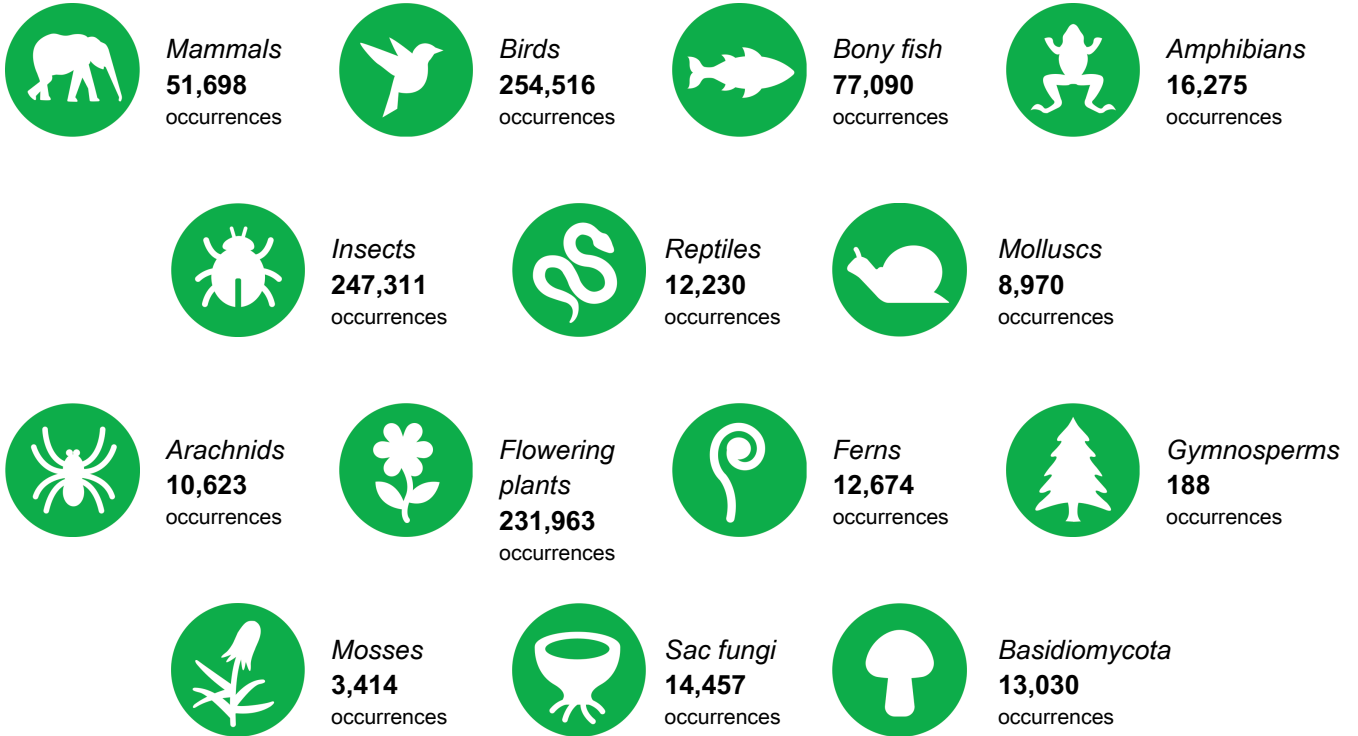
Díaz, Kattge, Cornelissen *et al.* (2015) The global spectrum of plant form and function. *Nature*.  
<https://doi.org/10.1038/nature16489>

Paine, Stahl, Courtois *et al.* (2010) Functional explanations for variation in bark thickness in tropical rain forest trees. *Functional Ecology*.  
<https://doi.org/10.1111/j.1365-2435.2010.01736.x>

See all research from this country or area  
[gbif.org/country/GF/publications/from](https://gbif.org/country/GF/publications/from)

## Data availability

### Total data available for selected taxonomic groups in French Guiana



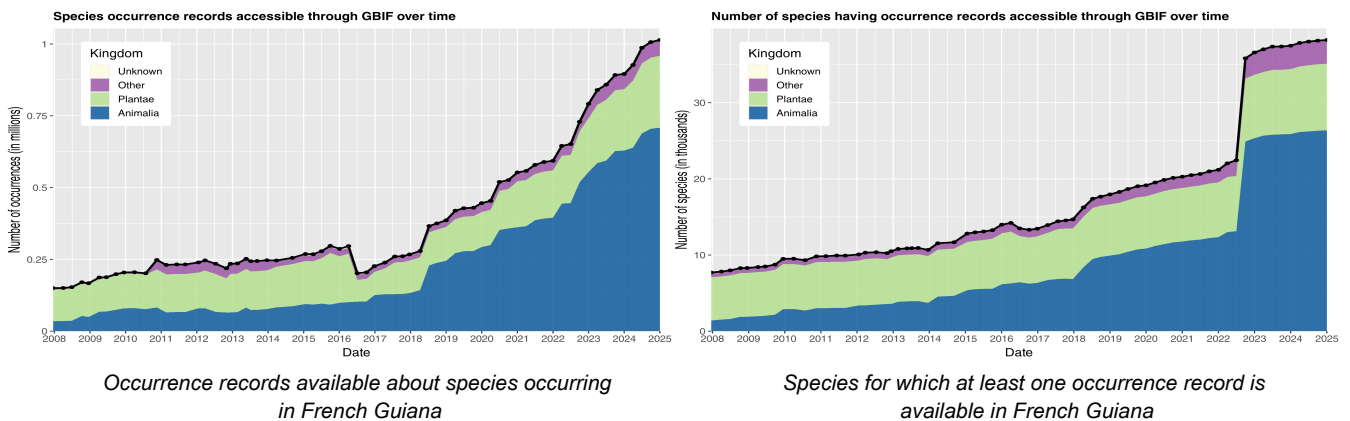
Mammals = Class *Mammalia*  
 Birds = Class *Aves*  
 Bony fish = Superclass  
*Osteichthyes* p.p.  
 Amphibians = Class *Amphibia*

Insects = Class *Insecta*  
 Reptiles = Class *Testudines*,  
*Sphenodontia*, *Squamata* &  
*Crocodylia*  
 Molluscs = Phylum *Mollusca*

Arachnids = Class *Arachnida*  
 Flowering plants = Phylum  
*Magnoliophyta*  
 Gymnosperms = Superclass  
*Gymnospermae*

Ferns = Phylum *Pteridophyta*  
 Mosses = Phylum *Bryophyta*  
 Sac fungi = Phylum *Ascomycota*  
 Basidiomycota = Phylum  
*Basidiomycota*

### Change over time in records about biodiversity in French Guiana



#### WHY MIGHT THE AMOUNT OF MOBILIZED DATA DECREASE?

Datasets are sometimes removed by publishers, but more often decreases in the number of records are due to the removal of duplicate records and datasets.

**SPECIES COUNTS** represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



### Most recent datasets from publishers in French Guiana

A database of Anopheles (Diptera, Culicidae): historical presence records in French Guiana and in the state of Amapá, in South America. *Published by Institut Pasteur de la Guyane*  
<https://doi.org/10.15468/x4h0iu>

Fungi of French Guiana. *Published by Unité Mixte de Recherche EcoFoG (Ecologie des Forêts de Guyane)*  
<https://doi.org/10.15468/ymvlrp>

See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=GF](https://gbif.org/dataset/search?publishing_country=GF)

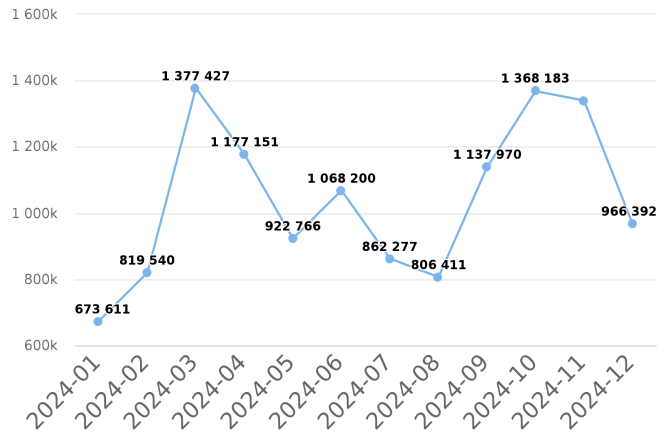
### Newest publishers from French Guiana

Unité Mixte de Recherche EcoFoG (Ecologie des Forêts de Guyane)

Institut Pasteur de la Guyane

See all publishers from this country or area  
[gbif.org/publisher/search?country=GF](https://gbif.org/publisher/search?country=GF)

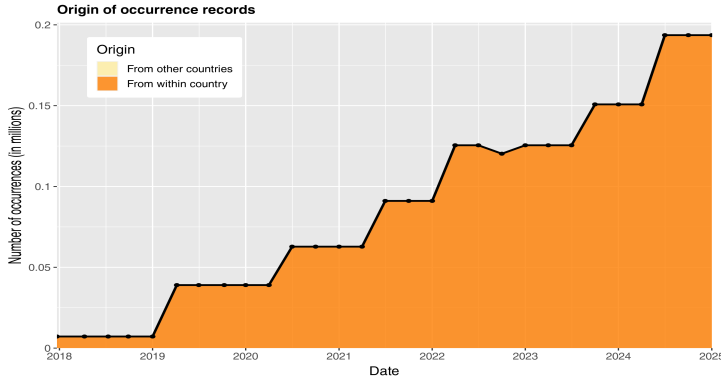
### Occurrence records downloaded from GBIF.org, published by institutions in French Guiana



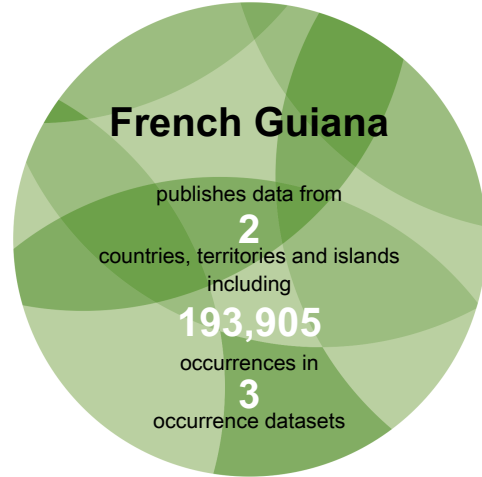
Number of occurrence records downloaded via GBIF.org published by institutions in French Guiana

## Data mobilization

### Data sharing with country or area of origin by national institutions in French Guiana



Data sharing with country or area of origin



The chart above shows the number of records shared over time by publishers within French Guiana, with separate colours for records about species occurring within undefined and those occurring elsewhere.

### Top data contributors about biodiversity in French Guiana

Rank	Country or area	No. of occurrences
1	France	413,625
2	United States of America	200,652
3	French Guiana	193,867
4	International organization or unknown country	42,741
5	Brazil	34,599
6	Netherlands	30,638
7	United Kingdom	29,419
8	Sweden	23,218
9	Estonia	16,626
10	Belgium	11,937

Table 1. Ranking of countries or areas contributing data about French Guiana

### Top datasets contributing data about French Guiana

EOD – eBird Observation Dataset. *184,769 occurrences in French Guiana.* (Last updated 27 Sep 2024)

iNaturalist Research-grade Observations. *56,015 occurrences in French Guiana.* (Last updated 30 Dec 2024)

International Barcode of Life project (iBOL). *42,638 occurrences in French Guiana.* (Last updated 7 Aug 2024)

Référentiel taxonomique national (TAXREF)-Inventaire des Collectivités d'outre-mer et de la métropole issu des données biogéographiques de TAXREF. *33,180 occurrences in French Guiana.* (Last updated 20 Mar 2024)

Référentiel taxonomique national (TAXREF) - Inventaire des Collectivités d'outre-mer et de la métropole (ICOM\_15) issu des données biogéographiques de TAXREF v15. *32,500 occurrences in French Guiana.* (Last updated 17 Dec 2022)

See all contributing countries and areas or datasets: [gbif.org/country/GF/about](https://gbif.org/country/GF/about)