Guyana

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 Guyana. 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

Researchers from Guyana contributed to 0 peer-reviewed articles citing GBIF use during 2023 and a total of 2 articles since 2008.

▶ Data availability in Guyana

- **Animalia**: 576,310 occurrences
- **Plantae**: 220,541 occurrences
- **Fungi**: 37,177 occurrences
- **Unknown**: 3,150 occurrences
- **Protozoa**: 167 occurrences
- **Bacteria**: 1,014 occurrences
- **Virus**: 12 occurrences
- **Chromista**: 1,059 occurrences
- **Archaea**: 2 occurrences

▶ Data mobilization

Institutions from Guyana published 93,748 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.

Number of records published by institutions in Guyana, categorized by kingdom.
Access and usage

Data downloads on GBIF.org from users in Guyana

Users from Guyana made 4 download requests representing 0.0% of all downloads during 2023.

Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Guyana

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 Guyana.

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


Gomes, IJff, Raes et al. (2018) Species Distribution Modelling: Contrasting presence-only models with plot abundance data. Scientific Reports. https://doi.org/10.1038/s41598-017-18927-1

See all research from this country or area gbif.org/country/GY/publications/from
### Data availability

**Total data available for selected taxonomic groups in Guyana**

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>41,368</td>
</tr>
<tr>
<td>Birds</td>
<td>428,977</td>
</tr>
<tr>
<td>Bony fish</td>
<td>29,990</td>
</tr>
<tr>
<td>Amphibians</td>
<td>11,216</td>
</tr>
<tr>
<td>Insects</td>
<td>50,020</td>
</tr>
<tr>
<td>Reptiles</td>
<td>7,948</td>
</tr>
<tr>
<td>Molluscs</td>
<td>1,872</td>
</tr>
<tr>
<td>Arachnids</td>
<td>901</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>196,745</td>
</tr>
<tr>
<td>Ferns</td>
<td>14,761</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>193</td>
</tr>
<tr>
<td>Mosses</td>
<td>3,466</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>23,138</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>10,569</td>
</tr>
</tbody>
</table>

### Change over time in records about biodiversity in Guyana

**Occurrence records available about species occurring in Guyana**

**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.

**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.
Most recent datasets from publishers in Guyana

Mammals of Iwokrama Rainforest. Published by Environmental Protection Agency
https://doi.org/10.15468/g1rt5y

Butterflies of the Rupununi. Published by Environmental Protection Agency
https://doi.org/10.15468/byuux3

Butterflies of the North Rupununi. Published by Environmental Protection Agency
https://doi.org/10.15468/jnjhzv

Reptiles and Amphibians of Iwokrama Rainforest. Published by Environmental Protection Agency
https://doi.org/10.15468/dcupec

Plants of Iwokrama Rainforest. Published by Environmental Protection Agency
https://doi.org/10.15468/emzr6k

Freshwater Fishes of Iwokrama Rainforest. Published by Environmental Protection Agency
https://doi.org/10.15468/cic8c0

Freshwater Fishes of Guyana. Published by Environmental Protection Agency
https://doi.org/10.15468/kltbzg

See all datasets from this country or area: gbif.org/dataset/search?publishing_country=GY

Newest publishers from Guyana

Environmental Protection Agency

Occurrence records downloaded from GBIF.org, published by institutions in Guyana

See all publishers from this country or area gbif.org/publisher/search?country=GY

Number of occurrence records downloaded via GBIF.org published by institutions in Guyana
Data mobilization

Data sharing with country or area of origin by national institutions in Guyana

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

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Guyana</td>
<td>404,859</td>
</tr>
<tr>
<td>2</td>
<td>United States of America</td>
<td>250,476</td>
</tr>
<tr>
<td>3</td>
<td>Netherlands</td>
<td>34,525</td>
</tr>
<tr>
<td>4</td>
<td>Canada</td>
<td>32,334</td>
</tr>
<tr>
<td>5</td>
<td>United Kingdom</td>
<td>31,342</td>
</tr>
<tr>
<td>6</td>
<td>Estonia</td>
<td>19,865</td>
</tr>
<tr>
<td>7</td>
<td>Germany</td>
<td>13,148</td>
</tr>
<tr>
<td>8</td>
<td>Brazil</td>
<td>12,108</td>
</tr>
<tr>
<td>9</td>
<td>International organization or</td>
<td>10,483</td>
</tr>
<tr>
<td></td>
<td>unknown country</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>France</td>
<td>8,436</td>
</tr>
</tbody>
</table>

Table 1. Ranking of countries or areas contributing data about Guyana

Top datasets contributing data about Guyana

EOD – eBird Observation Dataset. 398,072 occurrences in Guyana. (Last updated 20 Aug 2023)

NMNH Extant Specimen Records (USNM, US). 90,545 occurrences in Guyana. (Last updated 2 Jan 2024)

Naturalis Biodiversity Center (NL) - Botany. 31,453 occurrences in Guyana. (Last updated 12 Dec 2023)

Snow Entomological Museum Collection. 24,225 occurrences in Guyana. (Last updated 2 Jan 2024)

Tropicos MO Specimen Data. 22,695 occurrences in Guyana. (Last updated 27 Dec 2023)

See all contributing countries and areas or datasets: gbif.org/country/GY/about
Guyana participates in the following projects coordinated by GBIF

Enhancing Guyana’s national biodiversity information system database

*BID: Biodiversity Information for Development, 2017–2018*

This project seeks to strengthen the management of biodiversity data and improve its accessibility in Guyana.

https://www.gbif.org/project/83251

See all GBIF projects

gbif.org/resource/search?contentType=project