Activity report

Venezuela

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 Venezuela. 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 Venezuela contributed to 6 peer-reviewed articles citing GBIF use during 2023 and a total of 30 articles since 2008.

▶ Data availability in Venezuela

- Animalia: 3,208,286 occurrences
- Plantae: 553,010 occurrences
- Fungi: 35,955 occurrences
- Unknown: 20,536 occurrences
- Protozoa: 2,175 occurrences
- Bacteria: 11,886 occurrences
- Virus: 842 occurrences
- Chromista: 41,662 occurrences
- Archaea: 119 occurrences

▶ Data mobilization

Institutions from Venezuela published 797,184 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.
Access and usage

Data downloads on GBIF.org from users in Venezuela

![Graph showing monthly downloads requested by users in Venezuela]

Users from Venezuela made 303 download requests representing 0.0% of all downloads during 2023.

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

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 Venezuela.

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

Shanee, Tirira, Aquino et al. (2023) Geographic Distribution of Owl Monkeys. *Owl Monkeys.*
https://doi.org/10.1007/978-3-031-13555-2_2

https://doi.org/10.1007/978-3-031-20799-0_12

RUIZ-SANCHEZ, MUNGUÍA-LINO, PIANISSOLA et al. (2023) Richness and endemism in Chusquea subg. Swallenochloa (Poaceae), a Neotropical subgenus adapted to temperate conditions. *Phytotaxa.*
https://doi.org/10.11646/phytotaxa.609.3.2

https://doi.org/10.1111/geb.13721

https://doi.org/10.1038/s41562-023-01616-7

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

### Total data available for selected taxonomic groups in Venezuela

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Total Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>41,072 occurrences</td>
</tr>
<tr>
<td>Birds</td>
<td>2,763,533 occurrences</td>
</tr>
<tr>
<td>Bony fish</td>
<td>48,314 occurrences</td>
</tr>
<tr>
<td>Amphibians</td>
<td>16,311 occurrences</td>
</tr>
<tr>
<td>Insects</td>
<td>229,869 occurrences</td>
</tr>
<tr>
<td>Reptiles</td>
<td>15,083 occurrences</td>
</tr>
<tr>
<td>Molluscs</td>
<td>31,714 occurrences</td>
</tr>
<tr>
<td>Arachnids</td>
<td>3,673 occurrences</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>469,928 occurrences</td>
</tr>
<tr>
<td>Ferns</td>
<td>35,607 occurrences</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>737 occurrences</td>
</tr>
<tr>
<td>Mosses</td>
<td>16,376 occurrences</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>27,588 occurrences</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>7,910 occurrences</td>
</tr>
</tbody>
</table>

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

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## Change over time in records about biodiversity in Venezuela

### Occurrence records available about species occurring in Venezuela

![Graph](chart1.png)

### Species for which at least one occurrence record is available in Venezuela

![Graph](chart2.png)

**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 Venezuela

Galapagos Subtidal Biodiversity. Published by Caribbean OBIS Node
https://doi.org/10.15468/gsa458

Inventario de Peces y Macroinvertebrados asociados a plataformas y gasoductos en el Golfo de Venezuela. Published by Caribbean OBIS Node
https://doi.org/10.15468/85yy25

Historical molluscs from Río Lagartos coastal lagoon, Mexico. Published by Caribbean OBIS Node
https://doi.org/10.15468/ea6ubw

Sea slugs (Gastropoda: Heterobranchia) associated to Autonomous Reef Monitoring Structures (ARMS) in southern Gulf of Mexico and Mexican Caribbean Sea. Published by Caribbean OBIS Node
https://doi.org/10.15468/kfzrq4

Estimación del tamaño poblacional de Amazona barbadensis en la península de Macanao, Isla de Margarita, Venezuela.. Published by Provita
https://doi.org/10.15468/3ujbx

Pelagic amphipods (Crustacea: Amphipoda: Hyperiidea) from the southern Gulf of Mexico. Published by Caribbean OBIS Node
https://doi.org/10.15468/g86htx

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

Newest publishers from Venezuela

Laboratorio de Sistemas de Información Geográfica y Modelado Ambiental (LSIGMA-USB)
Provita
Caribbean OBIS Node
Universidad Central de Venezuela

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

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

Number of occurrence records downloaded via GBIF.org published by institutions in Venezuela
Data mobilization
Data sharing with country or area of origin by national institutions in Venezuela

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

Top data contributors about biodiversity in Venezuela

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Venezuela</td>
<td>2,794,311</td>
</tr>
<tr>
<td>2</td>
<td>United States of America</td>
<td>828,893</td>
</tr>
<tr>
<td>3</td>
<td>Netherlands</td>
<td>54,897</td>
</tr>
<tr>
<td>4</td>
<td>Germany</td>
<td>38,650</td>
</tr>
<tr>
<td>5</td>
<td>Brazil</td>
<td>31,511</td>
</tr>
<tr>
<td>6</td>
<td>United Kingdom</td>
<td>24,368</td>
</tr>
<tr>
<td>7</td>
<td>France</td>
<td>13,705</td>
</tr>
<tr>
<td>8</td>
<td>International organization or unknown country</td>
<td>12,343</td>
</tr>
<tr>
<td>9</td>
<td>Colombia</td>
<td>12,220</td>
</tr>
<tr>
<td>10</td>
<td>Spain</td>
<td>11,455</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Venezuela

EOD – eBird Observation Dataset. 2,646,967 occurrences in Venezuela. (Last updated 20 Aug 2023)


Tropicos MO Specimen Data. 141,689 occurrences in Venezuela. (Last updated 27 Dec 2023)

Snow Entomological Museum Collection. 66,568 occurrences in Venezuela. (Last updated 2 Jan 2024)

Insect Occurrence Data from MIZA. 58,851 occurrences in Venezuela. (Last updated 7 Oct 2020)

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

Rescuing the knowledge base of Venezuela’s marine biodiversity
*BID: Biodiversity Information for Development, 2021–2022*
[https://www.gbif.org/project/BID-CA2020-025-NAC](https://www.gbif.org/project/BID-CA2020-025-NAC)

Strengthening biodiversity data mobilization in Venezuela
*BID: Biodiversity Information for Development, 2021–2022*
[https://www.gbif.org/project/BID-CA2020-041-INS](https://www.gbif.org/project/BID-CA2020-041-INS)