Puerto Rico
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 Puerto Rico. 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 Puerto Rico contributed to 3 peer-reviewed articles citing GBIF use during 2023 and a total of 9 articles since 2008.

▶ Data availability in Puerto Rico

- **Animalia**: 3,401,558 occurrences
- **Plantae**: 261,981 occurrences
- **Fungi**: 62,004 occurrences
- **Unknown**: 14,662 occurrences
- **Protozoa**: 8,533 occurrences
- **Bacteria**: 13,838 occurrences
- **Virus**: 332 occurrences
- **Chromista**: 17,784 occurrences
- **Archaea**: 116 occurrences

▶ Data mobilization
Institutions from Puerto Rico published 368,739 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 Puerto Rico, categorized by kingdom.
Access and usage

Data downloads on GBIF.org from users in Puerto Rico

Users from Puerto Rico made 56 download requests representing 0.0% of all downloads during 2023.

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

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 Puerto Rico.

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

Rivera, Zegarra, Figuerola-Hernández et al. (2023) Contemporary record and photographs of the rarely seen and poorly known Mona Blindsnake, Antillotyphlops monensis (Schmidt, 1926), with comments on its …. Herpetology Notes.

Medina. (2023) Ecophysiological Features of the Lowland meadow’s Species within the Upper Rio Negro and Orinoco Basins. Psammic Peinobiomes. https://doi.org/10.1007/978-3-031-20799-0_12


Linares-Vargas, Bolívar-García, Herrera-Martínez et al. (2021) The status of the anomalepidid snake Liotyphlops albirostris and the revalidation of three taxa based on morphology and ecological niche models. The Anatomical Record. https://doi.org/10.1002/ar.24730

Data availability

Total data available for selected taxonomic groups in Puerto Rico

- **Mammals**: 11,104 occurrences
- **Birds**: 1,872,408 occurrences
- **Bony fish**: 982,523 occurrences
- **Amphibians**: 10,764 occurrences
- **Insects**: 43,787 occurrences
- **Reptiles**: 31,727 occurrences
- **Molluscs**: 48,275 occurrences
- **Arachnids**: 3,754 occurrences
- **Flowering plants**: 173,560 occurrences
- **Ferns**: 18,991 occurrences
- **Gymnosperms**: 480 occurrences
- **Mosses**: 13,598 occurrences
- **Sac fungi**: 32,708 occurrences
- **Basidiomycota**: 25,744 occurrences

Mammals = Class Mammalia
Birds = Class Aves
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 Puerto Rico

Species occurrence records accessible through GBIF over time

Number of species having occurrence records accessible through GBIF over time

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 Puerto Rico

University of Puerto Rico Mayagüez Invertebrate Collection. Published by University of Puerto Rico Mayagüez Invertebrate Collection
https://doi.org/10.15468/afmezg

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

Newest publishers from Puerto Rico

University of Puerto Rico Mayagüez Invertebrate Collection

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

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

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

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

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

### Top data contributors about biodiversity in Puerto Rico

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>United States of America</td>
<td>1,850,420</td>
</tr>
<tr>
<td>2</td>
<td>Puerto Rico</td>
<td>1,814,029</td>
</tr>
<tr>
<td>3</td>
<td>Estonia</td>
<td>36,681</td>
</tr>
<tr>
<td>4</td>
<td>International organization or unknown country</td>
<td>13,856</td>
</tr>
<tr>
<td>5</td>
<td>United Kingdom</td>
<td>12,823</td>
</tr>
<tr>
<td>6</td>
<td>Netherlands</td>
<td>11,745</td>
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<td>7</td>
<td>Germany</td>
<td>7,025</td>
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<tr>
<td>8</td>
<td>France</td>
<td>6,189</td>
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<tr>
<td>9</td>
<td>Colombia</td>
<td>4,266</td>
</tr>
<tr>
<td>10</td>
<td>Canada</td>
<td>3,397</td>
</tr>
</tbody>
</table>

*Table 1. Ranking of countries or areas contributing data about Puerto Rico*

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