



generated January 2025

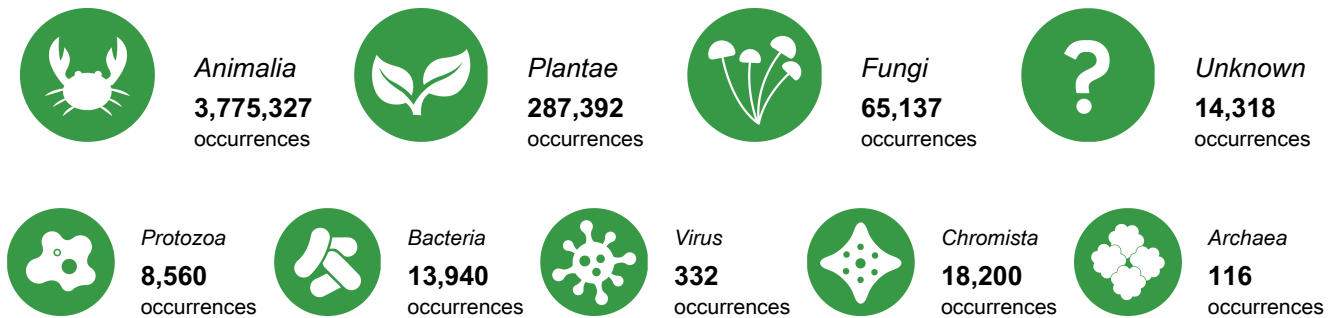
Puerto Rico

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.

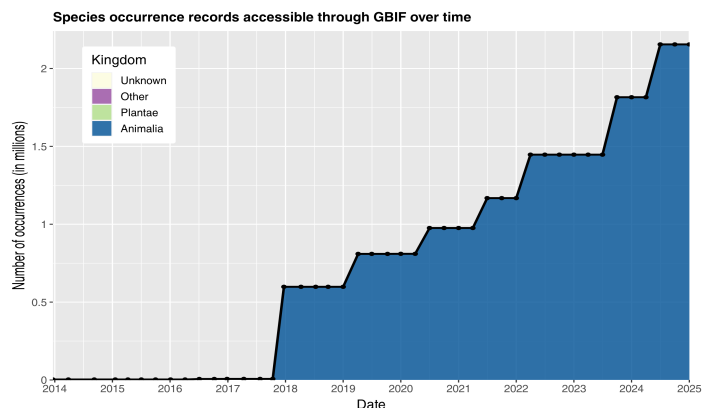
► Access and usage



► Data availability in Puerto Rico



► Data mobilization

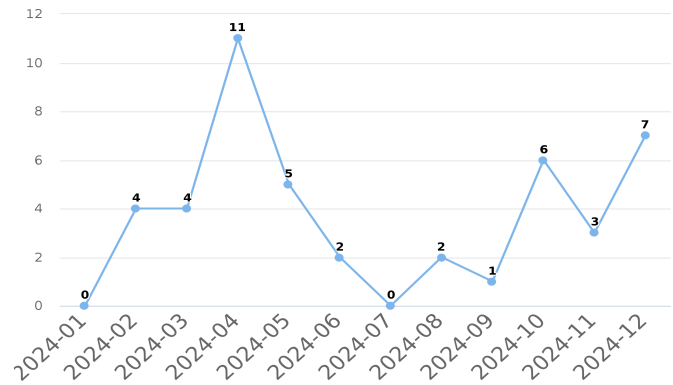
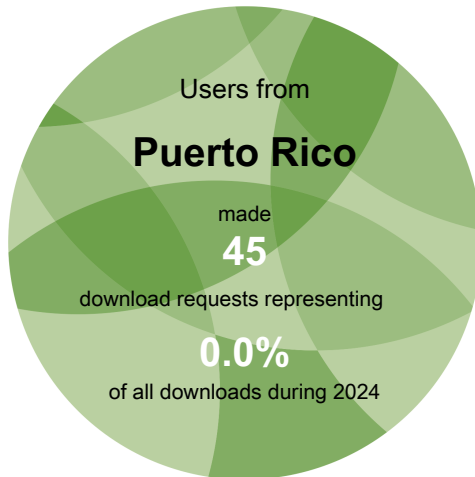


Number of records published by institutions in Puerto Rico, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Puerto Rico



Monthly downloads requested by users in Puerto Rico

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.

Omer, Essl, Dullinger *et al.* (2024) Invasion risk of the currently cultivated alien flora in southern Africa is predicted to decline under climate change. *Ecography*.

<https://doi.org/10.1111/ecog.07010>

Pérez-Escobar, Bogarín, Przelomska *et al.* (2024) The origin and speciation of orchids. *New Phytologist*.

<https://doi.org/10.1111/nph.19580>

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

Santiago-Rosario, Faldyn, Martínez-Cález *et al.* (2023) The Invasion History of *Diaphorina citri* (Hemiptera: Liviidae) in Puerto Rico: Past, Present, and Future Perspectives. *Environmental Entomology*.

<https://doi.org/10.1093/ee/nvad012>

See all research from this country or area
gbif.org/country/PR/publications/from



Data availability

Total data available for selected taxonomic groups in Puerto Rico



Mammals
11,493 occurrences



Birds
2,216,912 occurrences



Bony fish
985,181 occurrences



Amphibians
11,406 occurrences



Insects
59,652 occurrences



Reptiles
34,652 occurrences



Molluscs
49,968 occurrences



Arachnids
5,366 occurrences



Flowering plants
192,336 occurrences



Ferns
21,913 occurrences



Gymnosperms
574 occurrences



Mosses
14,321 occurrences



Sac fungi
34,203 occurrences



Basidiomycota
27,005 occurrences

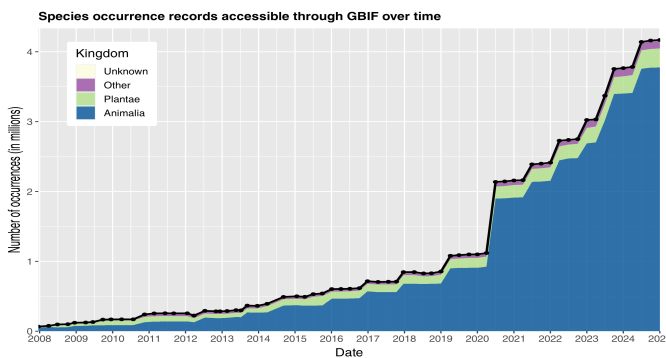
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass *Osteichthyes* p.p.
Amphibians = Class *Amphibia*

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

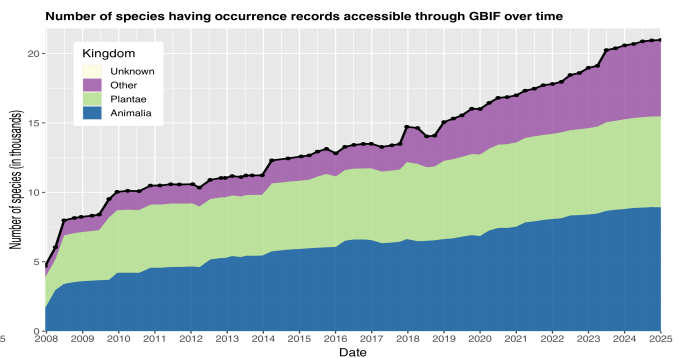
Arachnids = Class *Arachnida*
Flowering plants = Phylum *Magnoliophyta*
Gymnosperms = Superclass *Gymnospermae*

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

Change over time in records about biodiversity in Puerto Rico



Occurrence records available about species occurring in Puerto Rico



Species for which at least one occurrence record is available in Puerto Rico

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>

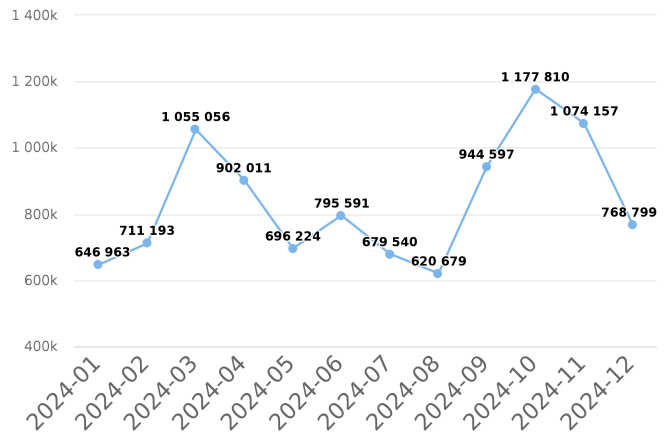
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=PR

Newest publishers from Puerto Rico

University of Puerto Rico Mayagüez Invertebrate Collection

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

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

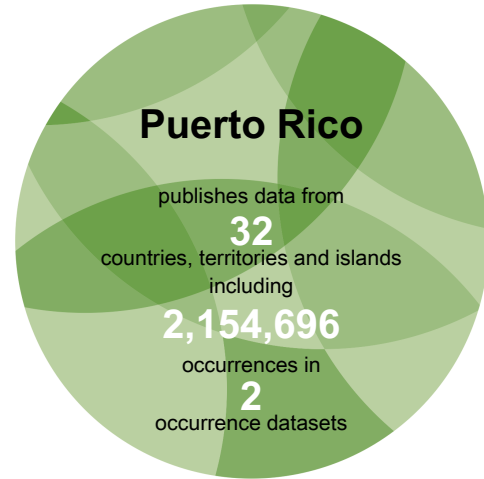
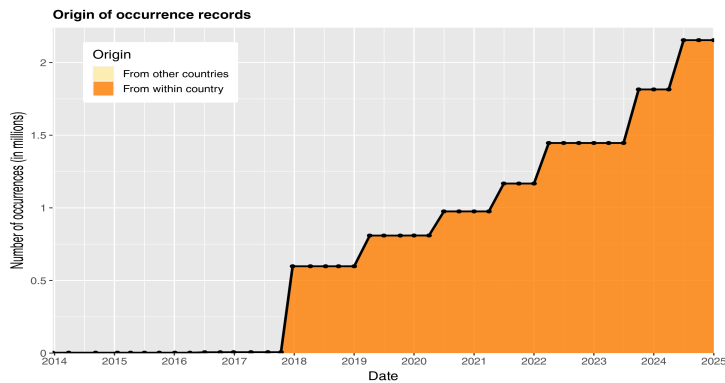


Number of occurrence records downloaded via GBIF.org published by institutions in Puerto Rico



Data mobilization

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



Data sharing with country or area of origin

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

| Rank | Country or area | No. of occurrences |
|------|---|--------------------|
| 1 | Puerto Rico | 2,153,261 |
| 2 | United States of America | 1,898,242 |
| 3 | Estonia | 36,681 |
| 4 | International organization or unknown country | 24,036 |
| 5 | United Kingdom | 16,196 |
| 6 | Netherlands | 11,799 |
| 7 | Germany | 7,093 |
| 8 | France | 6,521 |
| 9 | Colombia | 4,237 |
| 10 | Canada | 4,012 |

Top datasets contributing data about Puerto Rico

EOD – eBird Observation Dataset. 2,146,992 occurrences in Puerto Rico. (Last updated 27 Sep 2024)

Puerto Rico Long-Term Coral Reef Monitoring Program Database Compilation. 1,053,192 occurrences in Puerto Rico. (Last updated 2 Nov 2022)

Puerto Rico Reef Visual Census (RVC) 2016 - 2021. 309,677 occurrences in Puerto Rico. (Last updated 1 May 2023)

iNaturalist Research-grade Observations. 121,480 occurrences in Puerto Rico. (Last updated 30 Dec 2024)

NMNH Extant Specimen Records (USNM, US). 67,043 occurrences in Puerto Rico. (Last updated 2 Jan 2025)

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