

generated January 2026

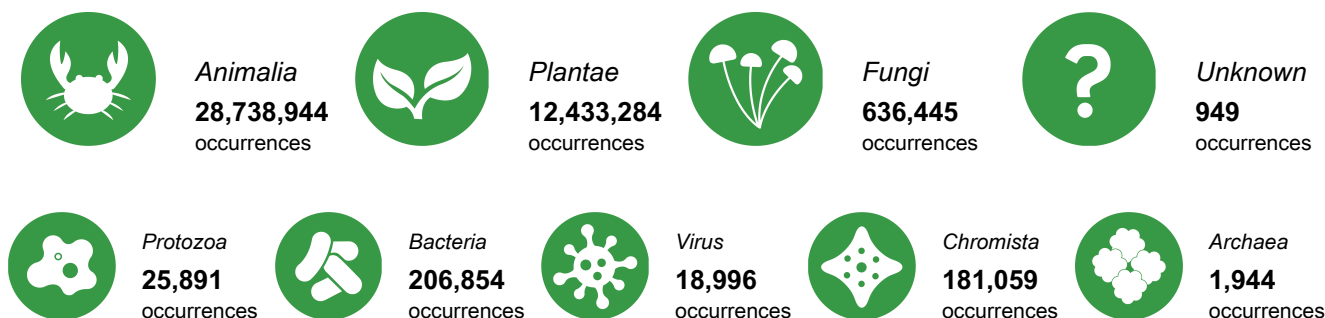
Brazil

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 Brazil. 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.

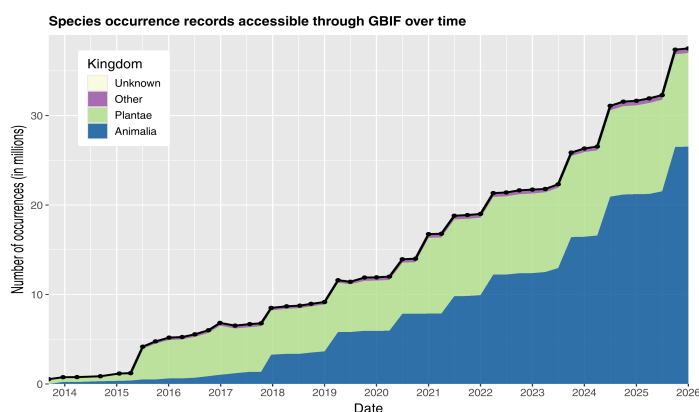
► Access and usage



► Data availability in Brazil



► Data mobilization

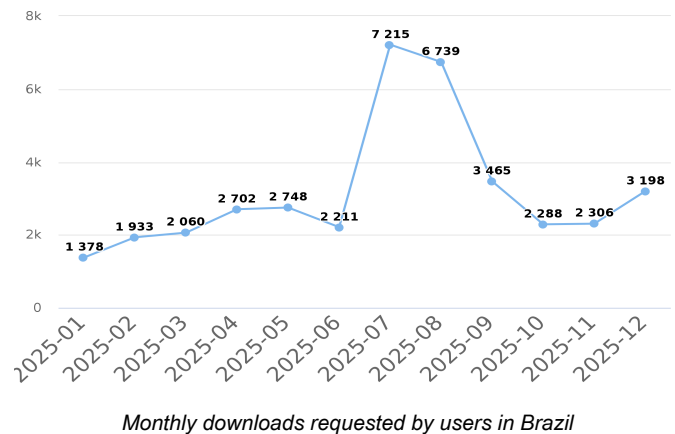
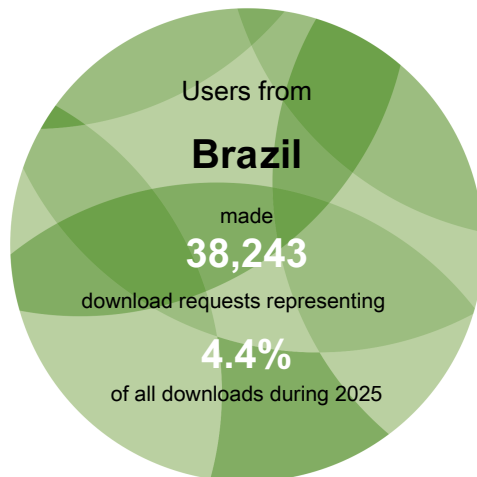


Number of records published by institutions in Brazil, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Brazil



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

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 Brazil.

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

Morais, Lima, Santos *et al.* (2025) Analysis of algorithms for building a joint model for modeling Amazonian species. *Ciência Florestal*.
<https://doi.org/10.5902/1980509886428>

Santos, Lima Junior, Souza *et al.* (2025) Predicting Species Distribution and Conserving Rosewood Tree Under Global Climate Change Scenarios. *Floresta e Ambiente*.
<https://doi.org/10.1590/2179-8087-floram-2025-0008>

Lucesia, Meagher, Sano. (2025) A Brazilian bioregionalization reappraisal based on Angiosperm distribution: a biogeographical and conservation overview. *Acta Botanica Brasilica*.
<https://doi.org/10.1590/1677-941x-abb-2024-0279>

Schwantes, Antunes, Fortes *et al.* (2025) Present and Future: Using Ecological Niche Modeling to Understand the Conservation Status of *Alouatta caraya* (Primates, Atelidae) and Promote Its Protection. *American Journal of Primatology*.
<https://doi.org/10.1002/ajp.70066>

Simão, Ferreira, Barbosa *et al.* (2025) Climatically suitable areas for *Hylobius abietis* and *Hylobius pales* : a global and regional analysis considering economic risks for pine production. *Pest Management Science*.
<https://doi.org/10.1002/ps.70152>

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



Data availability

Total data available for selected taxonomic groups in Brazil



Mammals
259,319
occurrences



Birds
23,251,732
occurrences



Bony fish
1,029,165
occurrences



Amphibians
270,017
occurrences



Insects
2,463,072
occurrences



Reptiles
235,294
occurrences



Molluscs
233,355
occurrences



Arachnids
282,038
occurrences



Flowering plants
11,403,534
occurrences



Ferns
519,086
occurrences



Gymnosperms
27,093
occurrences



Mosses
162,452
occurrences



Sac fungi
394,034
occurrences



Basidiomycota
204,135
occurrences

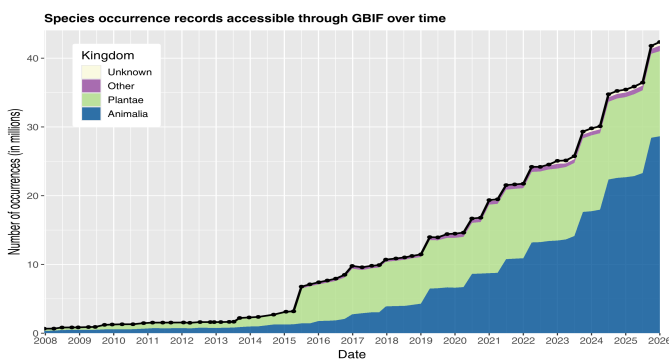
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

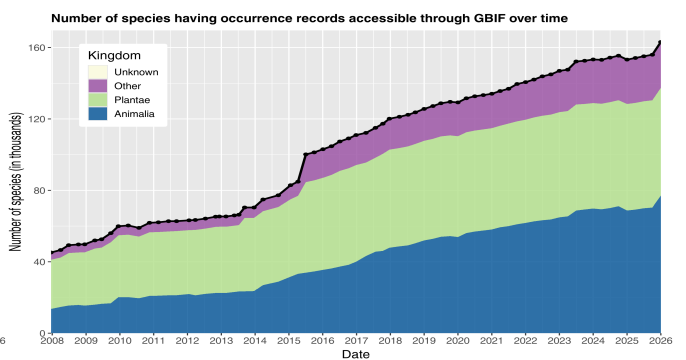
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Brazil



Occurrence records available about species occurring in Brazil



Species for which at least one occurrence record is available in Brazil

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 Brazil

Instituto Humanize | Observatório da Biodiversidade - Campanha 3 Flora. *Published by Instituto humanize*
<https://doi.org/10.71819/lxq2ww>

FURG | Amostragem de crustáceos decápodes na Lagoa dos Patos - RS entre os anos de 2022-2023. *Published by Universidade Federal do Rio Grande*
<https://doi.org/10.71819/uwikgc>

TNE | Dados do Programa de Resgate e Afugentamento de Fauna da Linha de Transmissão 500 kV Manaus – Boa Vista. *Published by Transnorte Energia S/A (TNE)*
<https://doi.org/10.71819/8pnfwj>

UnB | Pólen de ninhos de Melipona quadrifasciata em áreas de plantio orgânico de tomate do DF. *Published by Universidade de Brasília*
<https://doi.org/10.71819/94yz81>

CAJ | Monitoramento da Fauna Aquática - ETE Jarivatuba - Outubro 2025. *Published by Companhia Águas de Joinville*
<https://doi.org/10.71819/r2nhbw>

PELD - HCES | Brazil Reef Biodiversity - ILTER Coastal Habitats of Espírito Santo (Benthic Invertebrate Recruitment). *Published by Universidade Federal do Espírito Santo*
<https://doi.org/10.25607/rtgvpa>

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

Newest publishers from Brazil

Universidade Federal do Tocantins

Universidade Estadual do Norte Fluminense

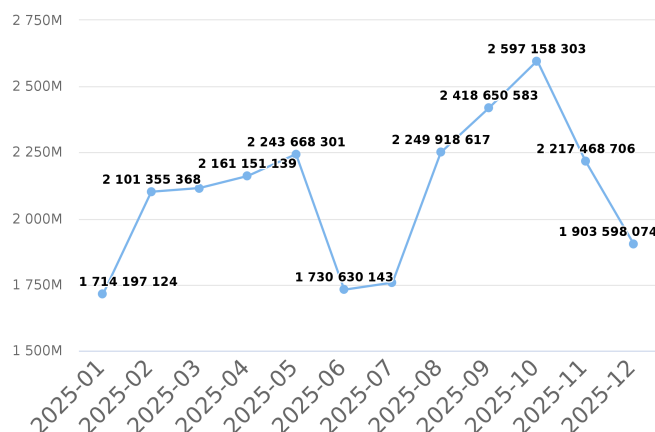
Embrapa Pecuária Sul

Pontifícia Universidade Católica do Paraná

Universidade do Vale do Rio dos Sinos

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

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

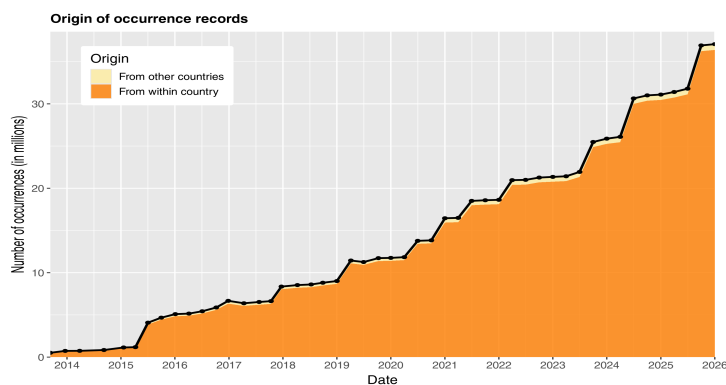


Number of occurrence records downloaded via
GBIF.org published by institutions in Brazil

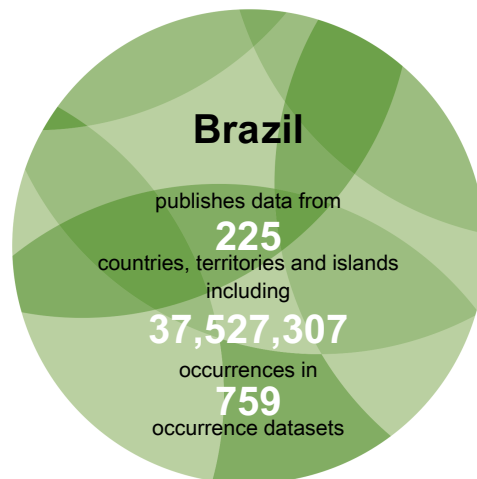


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Brazil

Rank	Country or area	No. of occurrences
1	Brazil	36,399,493
2	United States of America	3,088,821
3	United Kingdom	695,196
4	France	391,582
5	Estonia	308,734
6	Belgium	270,934
7	Netherlands	237,888
8	Germany	193,928
9	Sweden	139,226
10	International organization or unknown country	137,874

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

Top datasets contributing data about Brazil

EOD – eBird Observation Dataset. 22,237,485 occurrences in Brazil. (Last updated 29 Oct 2025)

iNaturalist Research-grade Observations. 1,229,911 occurrences in Brazil. (Last updated 31 Dec 2025)

RB - Coleção do Herbário do Jardim Botânico do Rio de Janeiro. 770,416 occurrences in Brazil. (Last updated 1 Jan 2026)

The New York Botanical Garden Herbarium (NY). 425,749 occurrences in Brazil. (Last updated 25 Dec 2025)

NMNH Extant Specimen Records (USNM, US). 376,529 occurrences in Brazil. (Last updated 2 Jan 2026)

See all contributing countries and areas or datasets: gbif.org/country/BR/about



Brazil participates in the following projects coordinated by GBIF

Filling taxonomic and geographic gaps in open data by strengthening skills of the Brazilian zoological collections network

Capacity Enhancement Support Programme, 2021–2023

<https://www.gbif.org/project/CESP2021-008>

Developing a data extension for documenting socio-biodiversity information

Capacity Enhancement Support Programme, 2024–2026

<https://www.gbif.org/project/CESP2024-015>

From shared experiences to shared knowledge and common solutions: collaborating to improve web-based tools in Latin America and the Caribbean

Capacity Enhancement Support Programme, 2020–2022

Participating nodes aim to incorporate shared best practices, protocols, tools and future road maps for representing the region's biodiversity richness and abundance

<https://www.gbif.org/project/4YJIFEvYJi5kfuUVzNcfYH>

Regional capacity enhancement by setting up Uruguay's data portal

Capacity Enhancement Support Programme, 2015–2016

Project to provide mentorship to Uruguay in establishing a national biodiversity website and data-portal, as well as an efficient data publication workflow.

<https://www.gbif.org/project/82209>

International Living Atlases workshop

Capacity Enhancement Support Programme, 2017–2018

This project will support and strengthen the growing international community of practice around open-source software developed by the Atlas of Living Australia.

<https://www.gbif.org/project/83337>

CRBio: Atlas of Living Costa Rica

, 2016–2016

CRBio integrates occurrence records, species pages, multimedia and scientific literature about the biodiversity of Costa Rica in a single site through the use of several biodiversity informatics APIs, including the ones developed by ALA, GBIF and BHL.

<https://www.gbif.org/project/82989>

Data quality: Improving primary biodiversity data in the GBIF network

Capacity Enhancement Support Programme, 2014–2015

This regional initiative aims to address data quality by transferring knowledge about best publishing practices and putting them into effect.

<https://www.gbif.org/project/82230>

See all GBIF projects
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)