

generated January 2026

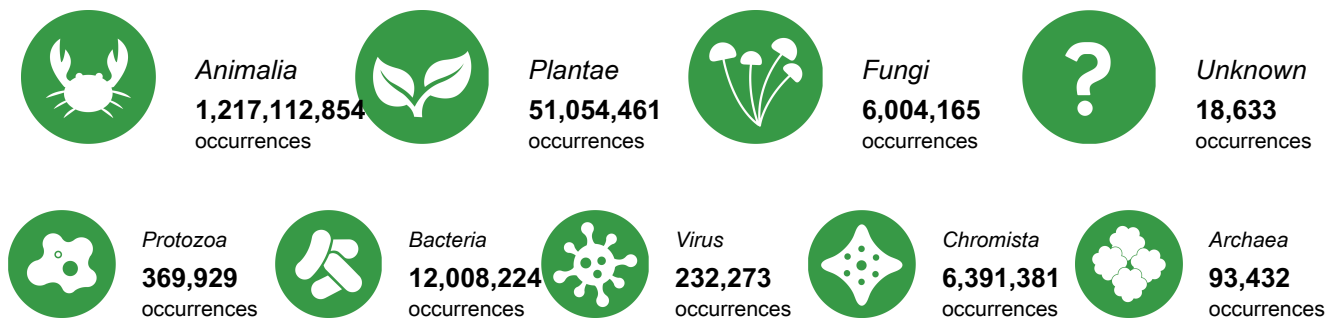
United States of America

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 United States of America. 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.

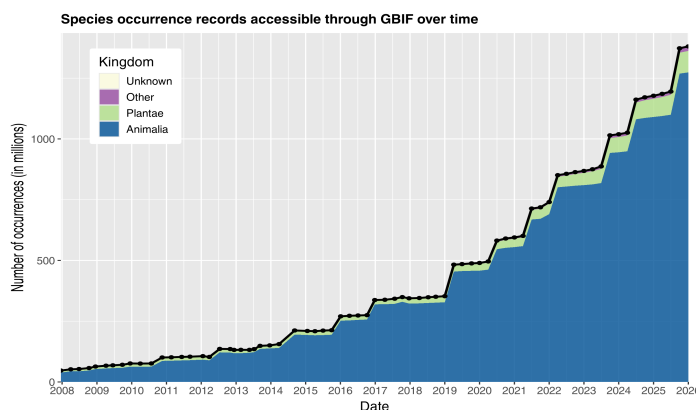
► Access and usage



► Data availability in United States of America



► Data mobilization

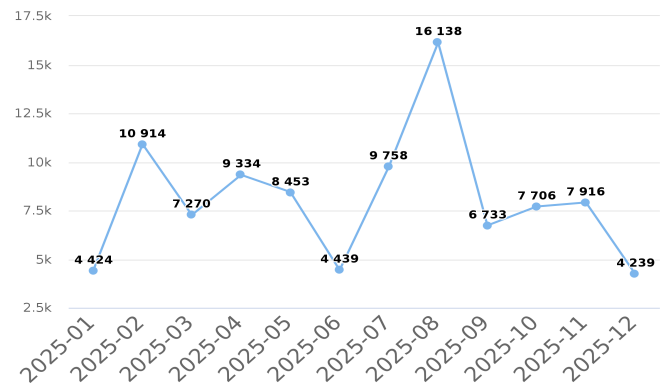
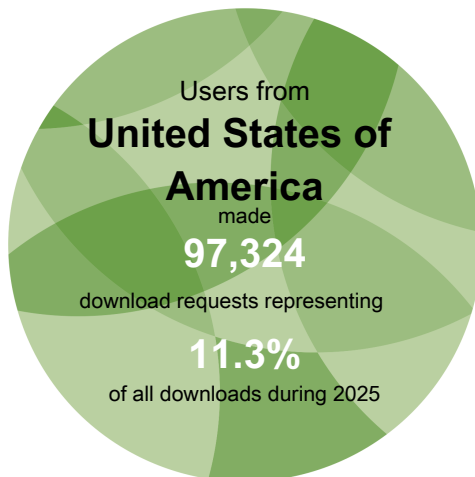


Number of records published by institutions in United States of America, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in United States of America



Monthly downloads requested by users in United States of America

Recent peer-reviewed articles using GBIF-mediated data by co-authors based in United States of America

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 United States of America.

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

Sainburg, Zorea. (2025) Domain general noise reduction for time series signals with Noisereduce. *Scientific Reports*.
<https://doi.org/10.1038/s41598-025-13108-x>

Razafimandimbison, Kainulainen, Ranarijaona *et al.* (2025) Phylogeny and divergence times of the African and Malagasy Podocarpus (Podocarpaceae) and their taxonomic and biogeographic implications. *TAXON*.
<https://doi.org/10.1002/tax.70023>

Varga, Woods, Pitsillides *et al.* (2025) Whole genome sequencing of historical specimens from the world's largest fungal collection yields high-quality assemblies. *New Phytologist*.
<https://doi.org/10.1111/nph.70472>

Taddeo, Snyder, Anderson *et al.* (2025) Teamwork makes the dream work: combining community science and expert-led surveys to study urban plant richness and composition. *Urban Ecosystems*.
<https://doi.org/10.1007/s11252-025-01794-4>

Buchanan, Gillingham, Andreou *et al.* (2025) Climate Change Does Not Directly Influence Red Squirrel (*Sciurus vulgaris*) Distribution in Western Europe. *microPublication Biology*.
<https://doi.org/10.17912/micropub.biology.001589>

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



Data availability

Total data available for selected taxonomic groups in United States of America



Mammals
6,360,099
occurrences



Birds
1,110,824,196
occurrences



Bony fish
28,257,701
occurrences



Amphibians
2,725,872
occurrences



Insects
32,559,146
occurrences



Reptiles
3,474,743
occurrences



Molluscs
9,704,063
occurrences



Arachnids
1,963,156
occurrences



Flowering plants
45,533,431
occurrences



Ferns
1,521,708
occurrences



Gymnosperms
1,047,698
occurrences



Mosses
1,480,645
occurrences



Sac fungi
2,619,772
occurrences



Basidiomycota
3,263,196
occurrences

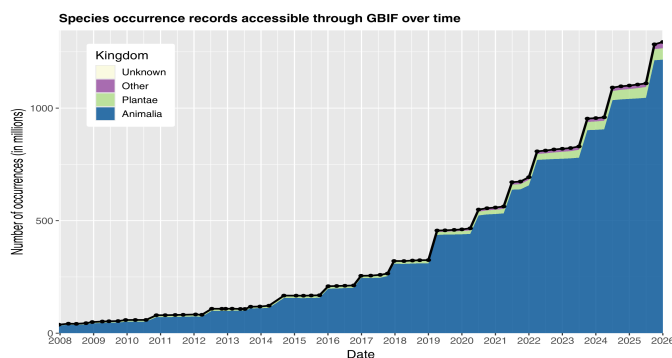
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

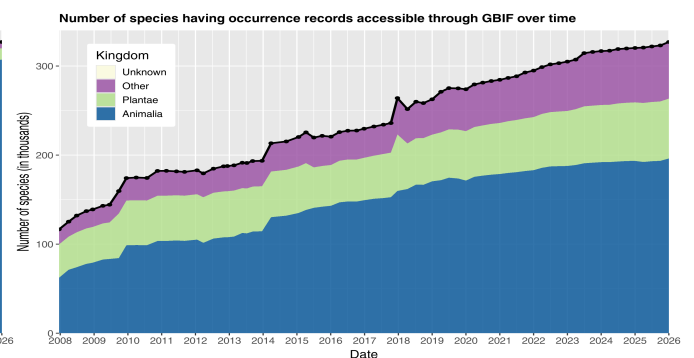
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in United States of America



Occurrence records available about species occurring
in United States of America



Species for which at least one occurrence record is
available in United States of America

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 United States of America

Harbor seal (*Phoca vitulina*) location data from a satellite telemetry tag (ptt id 41821) deployed in the Gulf of Alaska from 2004-08-31 to 2004-10-12, deployment id 54d53ece60d4250fe86473cf.
Published by NOAA Integrated Ocean Observing System
<https://doi.org/10.25921/wp4e-ph20>

Harbor seal (*Phoca vitulina*) location data from a satellite telemetry tag (ptt id 41820) deployed in the Gulf of Alaska from 2004-08-30 to 2004-12-29, deployment id 54d53eca60d4250fe86473ce.
Published by NOAA Integrated Ocean Observing System
<https://doi.org/10.25921/wp4e-ph20>

University of Illinois, Illinois Natural History Survey Fungarium - Fungi. *Published by Illinois Natural History Survey*
<https://doi.org/10.15468/4eknz8>

Mid Atlantic marine mammal visual survey in Dec 2024 - Apr 2025. *Published by OBIS-SEAMAP*
<https://doi.org/10.82144/4431190b>

Life History and Demography of *Sclerocactus glaucus* and *Sclerocactus dawsoniae*. *Published by Kathryn Kalmbach Herbarium (Denver Botanic Gardens)*
<https://doi.org/10.15468/hg6kj4>

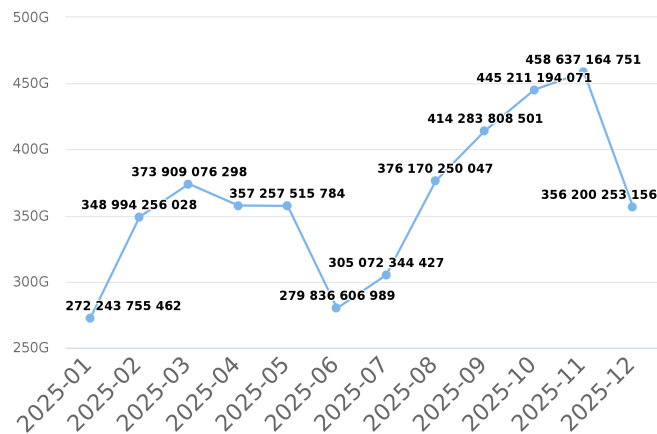
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=US

Newest publishers from United States of America

- Florida Atlantic University, Harbor Branch Oceanographic Institute
- University of Central Florida Collection of Arthropods (UCFC)
- NOAA Oceanic and Atmospheric Research
- FishEye Collaborative
- Edwards Aquifer Research and Data Center

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

Occurrence records downloaded from GBIF.org, published by institutions in United States of America

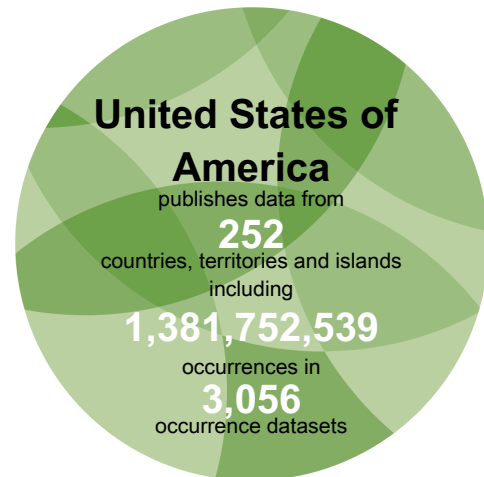
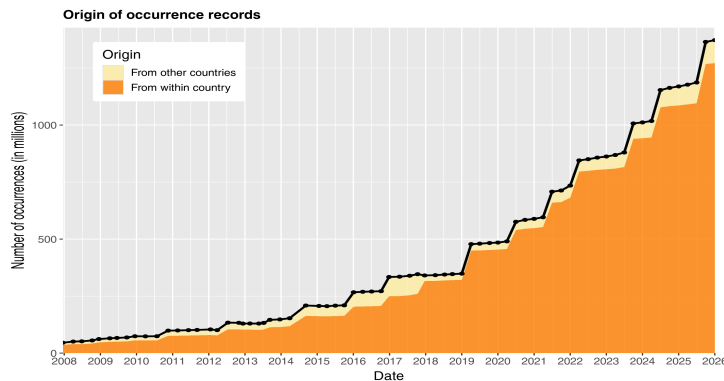


Number of occurrence records downloaded via GBIF.org published by institutions in United States of America



Data mobilization

Data sharing with country or area of origin by national institutions in United States of America



Data sharing with country or area of origin

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

Top data contributors about biodiversity in United States of America

Rank	Country or area	No. of occurrences
1	United States of America	1,272,326,032
2	United Kingdom	8,823,284
3	Germany	6,058,585
4	Canada	1,638,731
5	International organization or unknown country	1,598,923
6	France	991,113
7	Colombia	448,471
8	Portugal	439,476
9	Estonia	419,227
10	Netherlands	370,376

Table 1. Ranking of countries or areas contributing data about United States of America

Top datasets contributing data about United States of America

- EOD – eBird Observation Dataset. 1,069,179,608 occurrences in United States of America. (Last updated 29 Oct 2025)
- iNaturalist Research-grade Observations. 57,390,390 occurrences in United States of America. (Last updated 31 Dec 2025)
- Monitoring and Evaluation of Kelp Forest Ecosystems in the MLPA Marine Protected Area Network. 32,015,548 occurrences in United States of America. (Last updated 22 Sep 2025)
- USGS PWRC - Bird Banding Lab - US State Centroid - 1960-2010. 14,079,367 occurrences in United States of America. (Last updated 30 Dec 2025)
- Great Backyard Bird Count. 6,789,249 occurrences in United States of America. (Last updated 6 Mar 2018)

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



United States of America participates in the following projects coordinated by GBIF

Expanding the network: Bringing marine research stations and library collections into the data-sharing community

Capacity Enhancement Support Programme, 2022–2023

<https://www.gbif.org/project/CESP2022-009>

Strengthening processes for invasive species and biodiversity data mobilization in the Pacific region

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-PA2020-004-REG>

Using invasive species and biodiversity data for decision-making in the Pacific region

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-PA2020-003-USE>

Building capacity at SPREP for data mobilization and use

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-PA2020-002-INS>

Enhancing capacity to mobilize and use biodiversity data to support sustainable development in West Africa

Capacity Enhancement Support Programme, 2020–2023

The overall goal of this project is to enhance capacity for biodiversity data mobilization and development of information products in support of sustainable development in West Africa

<https://www.gbif.org/project/lmAtw3uVGvjrpiYHxvD>

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>

Digitization of specimens at the University of the Philippines Los Baños Museum of Natural History

BIFA: Biodiversity Information Fund for Asia, 2020–2022

This project aims to digitize specimen data from four different museum research and teaching collections and share data skills through training

<https://www.gbif.org/project/2as3Q2nNvRQhMc30JzAQ6e>

Extending tools for improving biodiversity data quality to Spanish-speaking communities

Capacity Enhancement Support Programme, 2017–2018

By translating elements of a key tool for making pre-publications improvements to data quality, VertNet and SiB Colombia will fill an important technical gap for the numerous Spanish-speaking staff across the GBIF community.

<https://www.gbif.org/project/83348>

Workshop on digital documentation: Linking biodiversity data, publications and images

Capacity Enhancement Support Programme, 2014–2015

This project will increase the Latin American region's capacity to digitize and publish biodiversity data from scientific literature, images and other multimedia objects.

<https://www.gbif.org/project/82236>

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