



generated January 2024

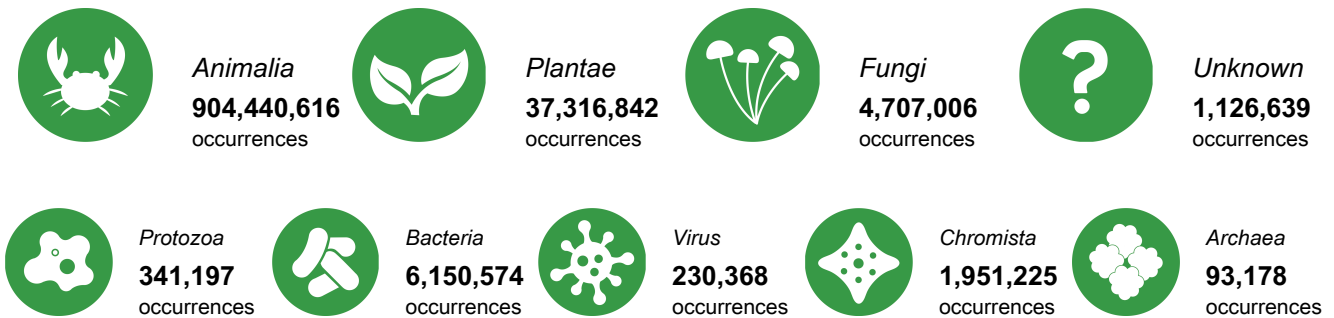
## United States of America

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.

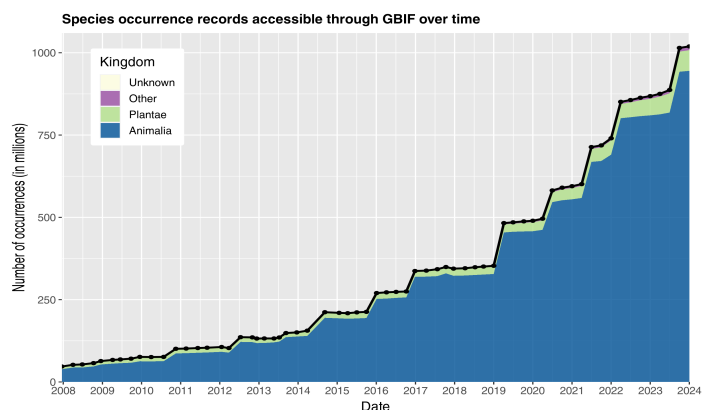
### ► Access and usage



### ► Data availability in United States of America



### ► Data mobilization

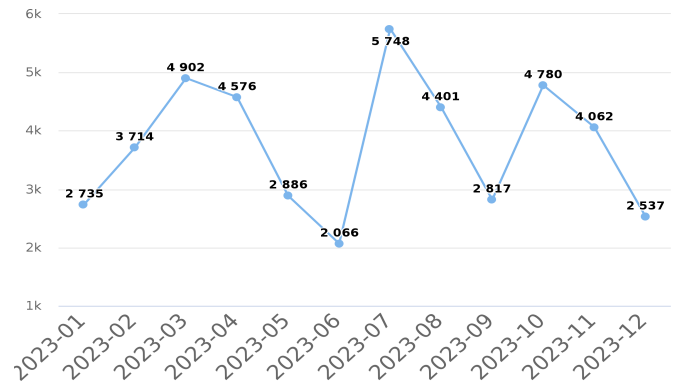
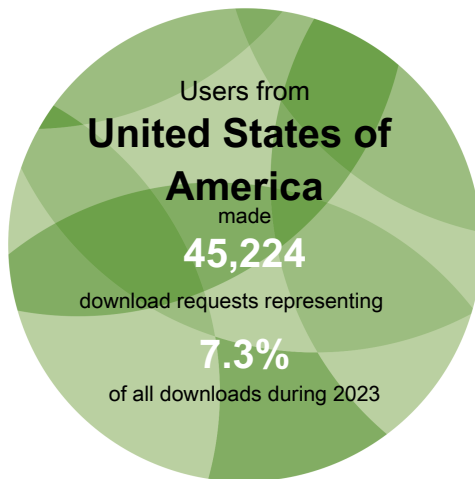


Number of records published by institutions in United States of America, categorized by kingdom



## 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](mailto: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*.

Gao, Fang, Deitch *et al.* (2023) Prioritizing Birds' Habitats for Conservation to Mitigate Urbanization Impacts Using Field Survey-Based Integrated Models in the Yangtze River Estuary. *Land*.  
<https://doi.org/10.3390/land12122115>

Feuerborn, Quinlan, Shippee *et al.* (2023) Variance in heat tolerance in bumble bees correlates with species geographic range and is associated with several environmental and biological factors. *Ecology and Evolution*.  
<https://doi.org/10.1002/ece3.10730>

Monroe, Gill, Turner *et al.* (2023) Convergent discoveries support convergent evolution of life-history strategies: the importance of summer drought. *New Phytologist*.  
<https://doi.org/10.1111/nph.19351>

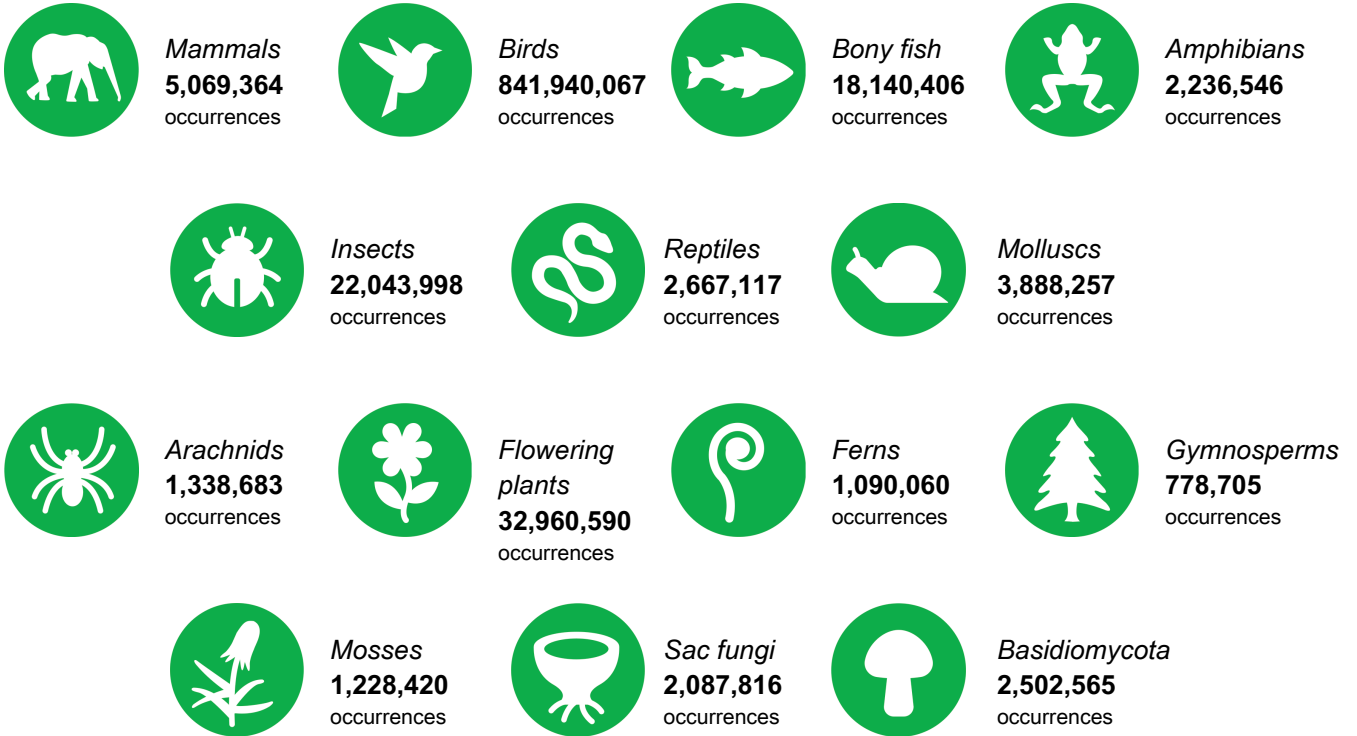
Okely, Engel, Shebl. (2023) Climate Change Influence on the Potential Distribution of Some Cavity-Nesting Bees (Hymenoptera: Megachilidae). *Diversity*.  
<https://doi.org/10.3390/d15121172>

See all research from this country or area  
[gbif.org/country/US/publications/from](https://gbif.org/country/US/publications/from)



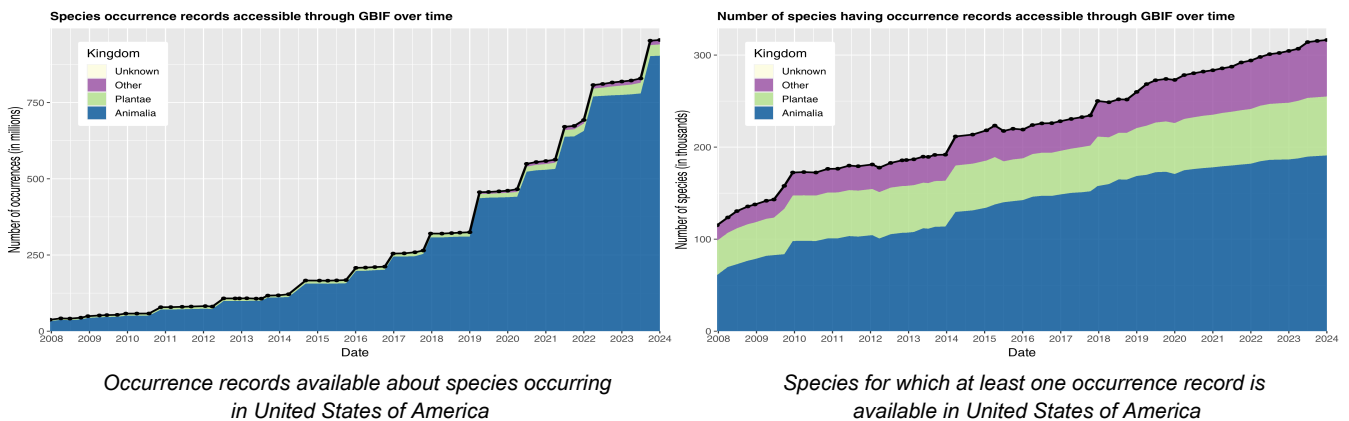
### Data availability

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



Mammals = Class <i>Mammalia</i>	Insects = Class <i>Insecta</i>	Arachnids = Class <i>Arachnida</i>	Ferns = Phylum <i>Pteridophyta</i>
Birds = Class <i>Aves</i>	Reptiles = Class <i>Testudines, Sphenodontia, Squamata &amp; Crocodylia</i>	Flowering plants = Phylum <i>Magnoliophyta</i>	Mosses = Phylum <i>Bryophyta</i>
Bony fish = Superclass <i>Osteichthyes</i> p.p.	Molluscs = Phylum <i>Mollusca</i>	Gymnosperms = Superclass <i>Gymnospermae</i>	Sac fungi = Phylum <i>Ascomycota</i>
Amphibians = Class <i>Amphibia</i>			Basidiomycota = Phylum <i>Basidiomycota</i>

### Change over time in records about biodiversity 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

Ohio State University Spider Collection. *Published by Ohio State University Insect Collection*  
<https://doi.org/10.15468/yx59vm>

AMAPPS Northeast Aerial Cruise Summer 2021. *Published by OBIS-SEAMAP*  
<https://doi.org/10.15468/864c59>

AMAPPS Northeast Shipboard Cruise Summer 2021. *Published by OBIS-SEAMAP*  
<https://doi.org/10.15468/5fjuka>

Happywhale - Burmeister's porpoise in South Atlantic Ocean. *Published by OBIS-SEAMAP*  
<https://doi.org/10.15468/8eg7gx>

Hoyt Arboretum Vascular Plant Herbarium. *Published by Consortium of Pacific Northwest Herbaria*  
<https://doi.org/10.15468/7hs2bc>

Adam Haberski Research Collection. *Published by Clemson University Arthropod Collection*  
<https://doi.org/10.15468/nwwwzk>

California Desert Studies Center Mammal Specimens (Arctos). *Published by CSU Desert Studies Center*  
<https://doi.org/10.15468/ywb2p2>

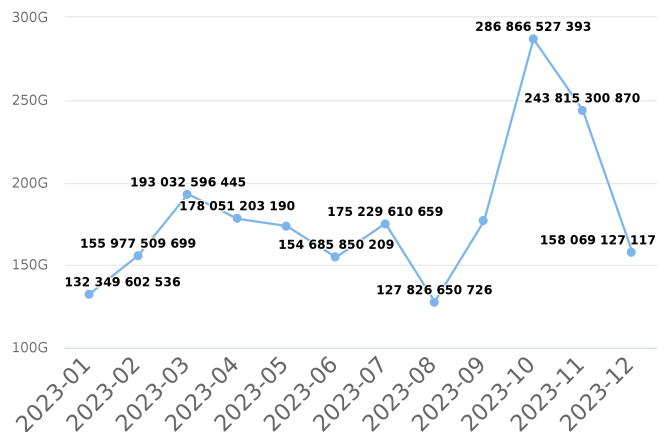
See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=US](https://gbif.org/dataset/search?publishing_country=US)

### Newest publishers from United States of America

- Oakland University Herbarium
- Volunteer State Community College
- Oswego Herbarium, SUNY Oswego
- Vermont Agricultural and Environmental Laboratory
- Alaska Center for Conservation Science

See all publishers from this country or area  
[gbif.org/publisher/search?country=US](https://gbif.org/publisher/search?country=US)

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

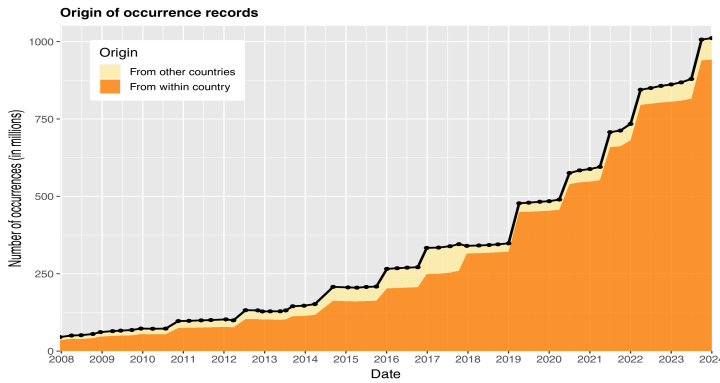


Number of occurrence records downloaded via GBIF.org published by institutions in United States of America



## 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	942,614,021
2	United Kingdom	7,852,400
3	Canada	1,187,659
4	France	931,907
5	International organization or unknown country	668,992
6	Colombia	441,650
7	Portugal	427,056
8	Estonia	417,713
9	Netherlands	340,179
10	Germany	218,395

### Top datasets contributing data about United States of America

- EOD – eBird Observation Dataset. *805,508,316 occurrences in United States of America.* (Last updated 20 Aug 2023)
- iNaturalist Research-grade Observations. *34,412,130 occurrences in United States of America.* (Last updated 2 Jan 2024)
- USGS PWRC - Bird Banding Lab - US State Centroid - 1960-2010. *14,079,367 occurrences in United States of America.* (Last updated 2 Jun 2022)
- Great Backyard Bird Count. *6,789,249 occurrences in United States of America.* (Last updated 6 Mar 2018)
- NMNH Extant Specimen Records (USNM, US). *3,290,717 occurrences in United States of America.* (Last updated 2 Jan 2024)

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

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

### 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>

### 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>

### 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>

### 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/lmAtw3uVGVpjrpiYHAXvD>

### 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)