

generated January 2025

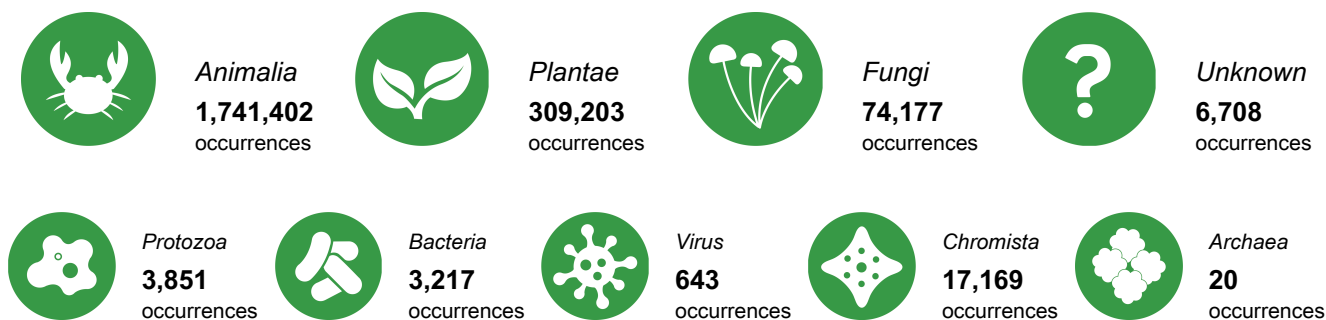
## Cuba

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 Cuba. 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.

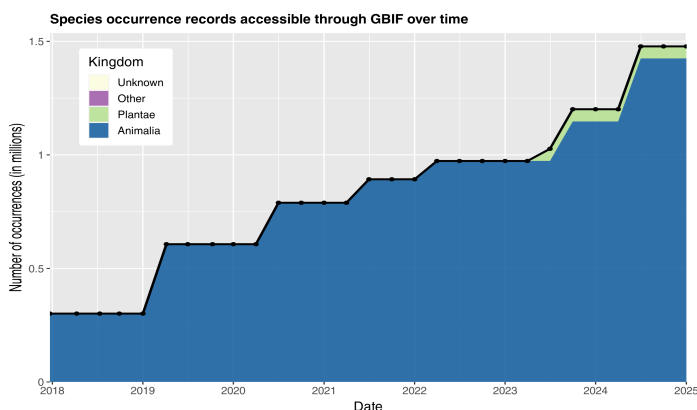
### ► Access and usage



### ► Data availability in Cuba



### ► Data mobilization

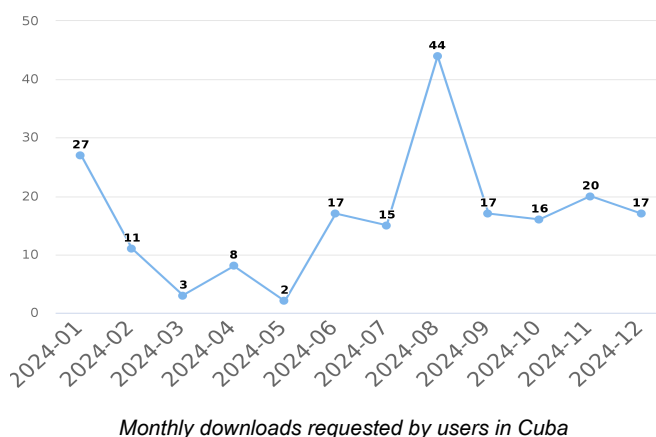
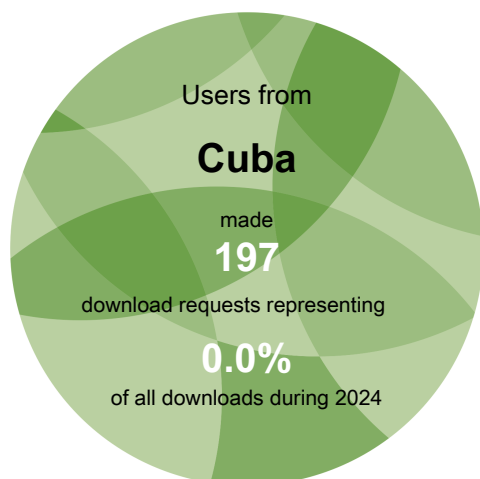


Number of records published by institutions in Cuba,  
categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in Cuba



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

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 Cuba.

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).

Morejón-Arrojo, Sellares-Blasco, Guendulain-García *et al.* (2024) First occurrence of the invasive jellyfish *Phyllorhiza punctata* in the Dominican Republic: seasonal trend and invasion in the Atlantic Ocean. *Bulletin of Marine Science*.  
<https://doi.org/10.5343/bms.2024.0061>

Morejón-Arrojo, Luskow, Pakhomov *et al.* (2024) Diversity of pelagic tunicates (Appendicularia and Thaliacea) from Cuba: a review. *Marine Biodiversity*.  
<https://doi.org/10.1007/s12526-024-01451-7>

Salazar-Quevedo, Cabrera-Guerrero, Muñoz-Li *et al.* (2023) Área climática adecuada para tres especies de *Phlegmariurus* (Lycopodiaceae) en Cuba: distribución potencial y áreas prioritarias para la conservación. *Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales*.  
<https://doi.org/10.18257/raccefyn.1719>

Torres-Cambas, Megna, Salazar-Salina *et al.* (2023) A database of freshwater macroinvertebrate occurrence records across Cuba. *Scientific Data*.  
<https://doi.org/10.1038/s41597-023-02088-0>

Grigoropoulou, Hamid, Acosta *et al.* (2023) The global EPTO database: Worldwide occurrences of aquatic insects. *Global Ecology and Biogeography*.  
<https://doi.org/10.1111/geb.13648>

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



## Data availability

### Total data available for selected taxonomic groups in Cuba



**Mammals**  
**7,134**  
occurrences



**Birds**  
**1,467,483**  
occurrences



**Bony fish**  
**37,138**  
occurrences



**Amphibians**  
**10,031**  
occurrences



**Insects**  
**34,616**  
occurrences



**Reptiles**  
**27,138**  
occurrences



**Molluscs**  
**109,875**  
occurrences



**Arachnids**  
**4,211**  
occurrences



**Flowering plants**  
**245,879**  
occurrences



**Ferns**  
**41,792**  
occurrences



**Gymnosperms**  
**1,294**  
occurrences



**Mosses**  
**9,548**  
occurrences



**Sac fungi**  
**36,296**  
occurrences



**Basidiomycota**  
**33,187**  
occurrences

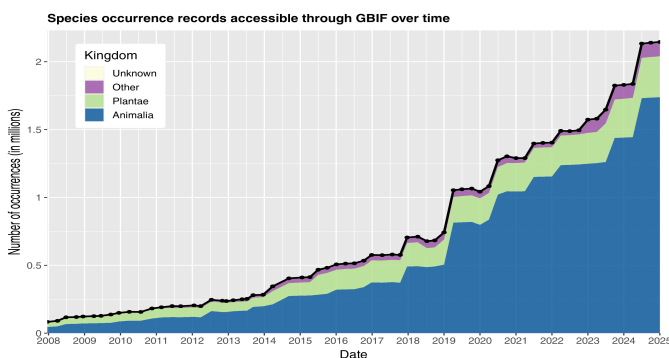
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

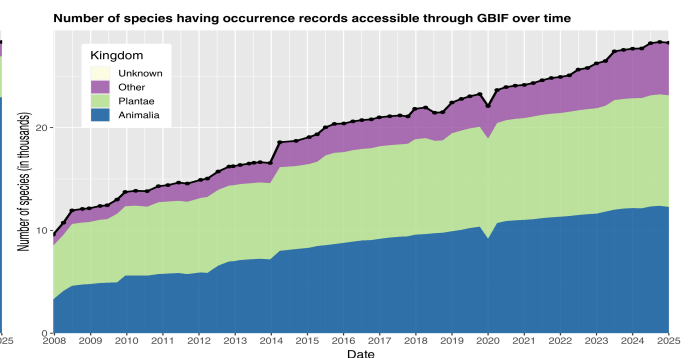
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

### Change over time in records about biodiversity in Cuba



Occurrence records available about species occurring in Cuba



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

#### 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 Cuba

Moluscos terrestres (Mollusca: Gastropoda) de Cuba. *Published by Instituto de Geografía Tropical*  
<https://doi.org/10.15468/3ku5jm>

Angiospermas acuáticas y palustres de agua dulce de Cuba. *Published by Instituto de Geografía Tropical*  
<https://doi.org/10.15468/yr9j6h>

Peces de Cuba. *Published by Instituto de Geografía Tropical*  
<https://doi.org/10.15468/ee5s79>

Arañas (Araneae) en Cuba. *Published by Instituto de Geografía Tropical*  
<https://doi.org/10.15468/8dfq4d>

Nemátodos parásitos de artrópodos (Nematoda: Oxyuridomorpha, Rhigonematomorpha), planarias (Platyhelminthes: Geoplanidae) y nemertinos terrestres (Nemertea) en Cuba. *Published by Instituto de Geografía Tropical*  
<https://doi.org/10.15468/qvgrjy>

Nemátodos marinos (Nematoda) de Cuba. *Published by Instituto de Geografía Tropical*  
<https://doi.org/10.15468/82vbmrr>

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

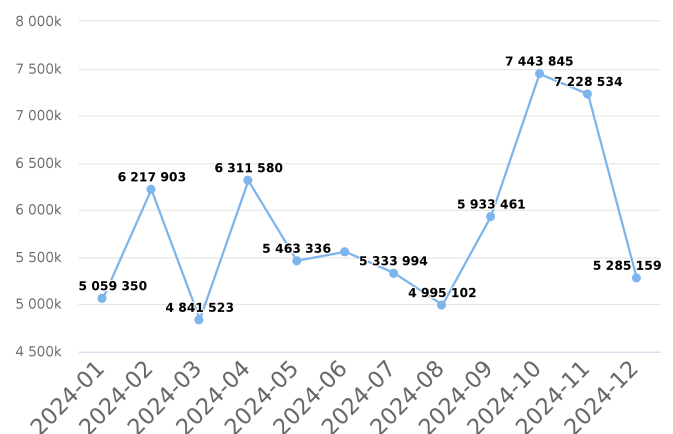
## Newest publishers from Cuba

IUCN/SSC Cuban Plant Specialist Group

Instituto de Geografía Tropical

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

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

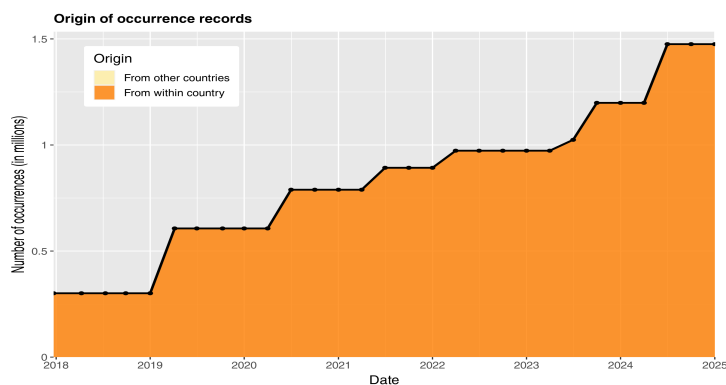


Number of occurrence records downloaded via  
GBIF.org published by institutions in Cuba

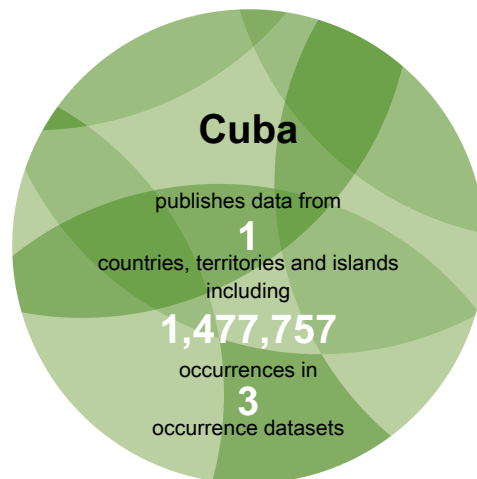


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Cuba

Rank	Country or area	No. of occurrences
1	Cuba	1,477,757
2	United States of America	419,680
3	Estonia	69,921
4	Germany	30,723
5	Spain	27,744
6	United Kingdom	21,851
7	Netherlands	19,066
8	Sweden	14,211
9	Canada	11,996
10	Venezuela	11,909

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

### Top datasets contributing data about Cuba

EOD – eBird Observation Dataset. 1,424,198 occurrences in Cuba. (Last updated 27 Sep 2024)

NMNH Extant Specimen Records (USNM, US). 94,860 occurrences in Cuba. (Last updated 2 Jan 2025)

Global soil organisms. 65,727 occurrences in Cuba. (Last updated 27 Feb 2023)

The New York Botanical Garden Herbarium (NY). 62,237 occurrences in Cuba. (Last updated 25 Dec 2024)

Distribution of Cuban Plants. 49,741 occurrences in Cuba. (Last updated 26 Jun 2023)

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



## Cuba participates in the following projects coordinated by GBIF

Mobilizing Cuban plant information from the IUCN SSC Cuban Plant Specialist Group

*BID: Biodiversity Information for Development, 2021–2023*

<https://www.gbif.org/project/BID-CA2020-001-NAC>

See all GBIF projects

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