

generated January 2025

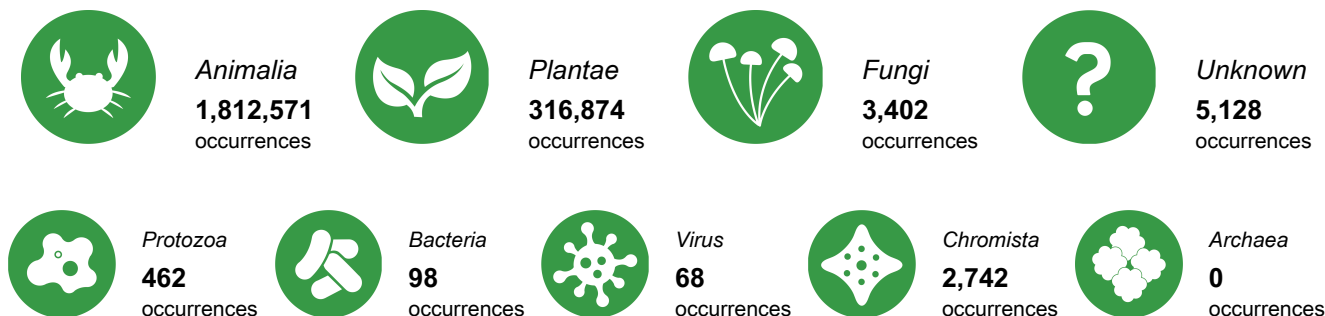
## Nicaragua

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 Nicaragua. 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.

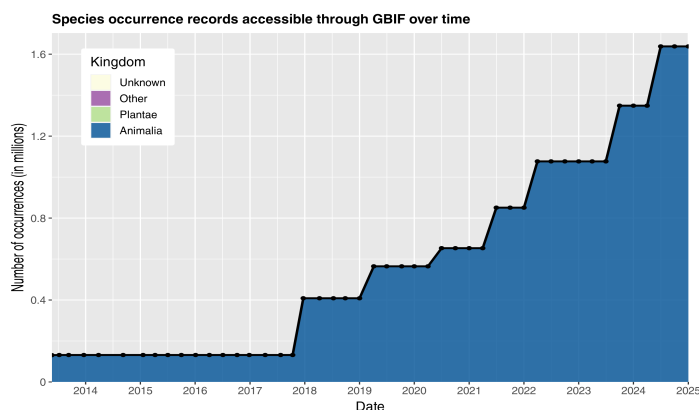
### ► Access and usage



### ► Data availability in Nicaragua



### ► Data mobilization

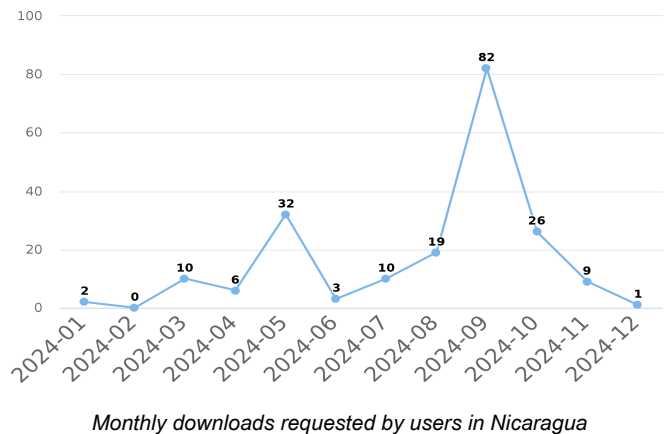
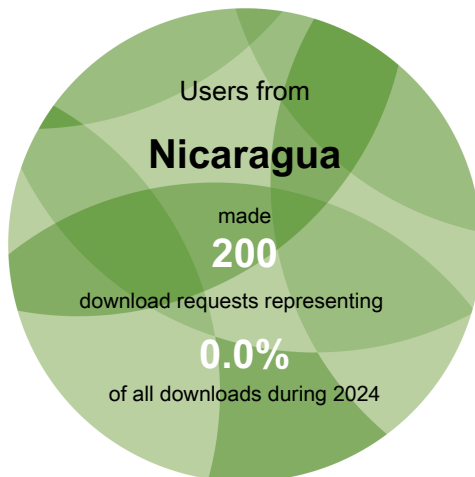


Number of records published by institutions in  
Nicaragua, categorized by kingdom



## Access and usage

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



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

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 Nicaragua.

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).

Trujillo, Mischler, Gutiérrez-López *et al.* (2024) Noteworthy records of *Myotis* Kaup, 1829 species in northeastern Guatemala, including the first record of *M. volans* (H. Allen, 1866) (Chiroptera, Vespertilionidae) from the country. *Check List*.  
<https://doi.org/10.15560/20.4.969>

Señaris, Sunyer. (2024) First record of *Plectrohyla guatemalensis* Brocchi, 1877 (Anura, Hylidae) from Nicaragua. *Check List*.  
<https://doi.org/10.15560/20.3.721>

Martínez-Fonseca, Trujillo, Westeen *et al.* (2024) New departmental and noteworthy records of mammals (Mammalia, Theria) from Nicaragua. *Check List*.  
<https://doi.org/10.15560/20.3.706>

Contreras-MacBeath, Rodríguez Pérez, Mejía-Mojica *et al.* (2024) Fishes of Cocibolca, the great Central American lake. *Journal of Threatened Taxa*.  
<https://doi.org/10.11609/jott.8506.16.1.24589-24596>

Trujillo, Martínez-Fonseca, Hernández *et al.* (2022) Notes on the life history of *Centurio senex* (Chiroptera: Phyllostomidae) from northern Central America. *Mammalia*.  
<https://doi.org/10.1515/mammalia-2021-0178>

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



## Data availability

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



**Mammals**  
**15,749**  
occurrences



**Birds**  
**1,541,481**  
occurrences



**Bony fish**  
**15,192**  
occurrences



**Amphibians**  
**7,881**  
occurrences



**Insects**  
**201,654**  
occurrences



**Reptiles**  
**11,261**  
occurrences



**Molluscs**  
**7,449**  
occurrences



**Arachnids**  
**3,416**  
occurrences



**Flowering plants**  
**286,933**  
occurrences



**Ferns**  
**20,688**  
occurrences



**Gymnosperms**  
**557**  
occurrences



**Mosses**  
**3,909**  
occurrences



**Sac fungi**  
**1,922**  
occurrences



**Basidiomycota**  
**1,417**  
occurrences

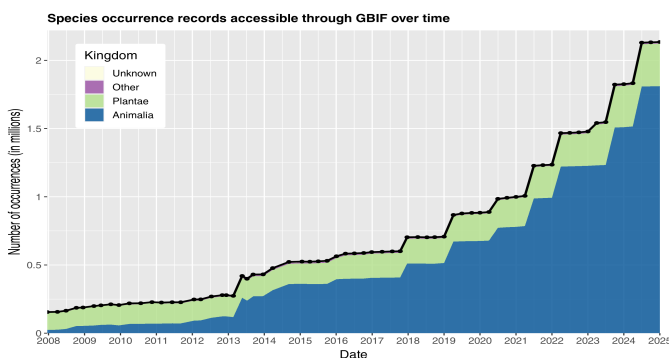
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

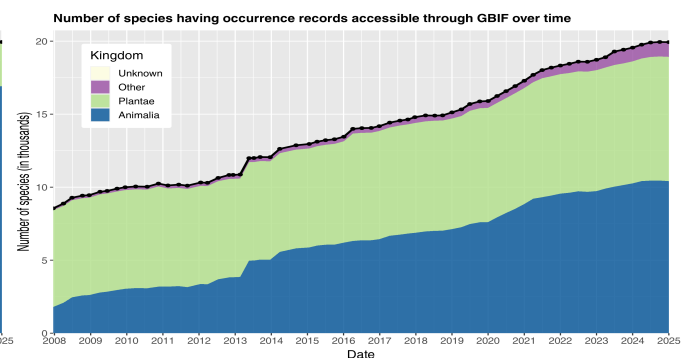
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

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



Occurrence records available about species occurring in Nicaragua



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

#### 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 Nicaragua

mel. Published by Museo Entomológico de León – MEL  
<https://doi.org/10.15468/8a3pzs>

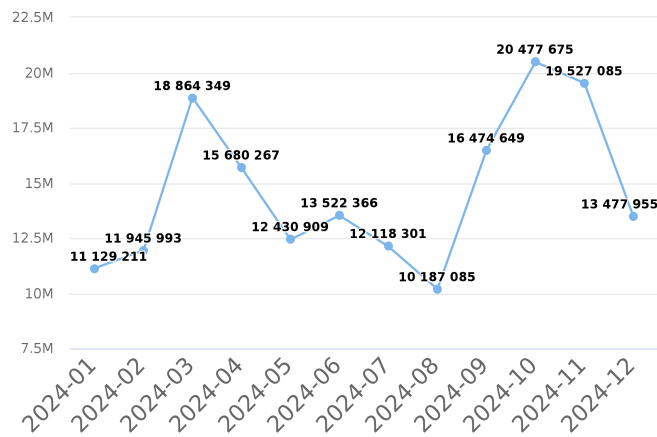
See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=NI](https://gbif.org/dataset/search?publishing_country=NI)

Newest publishers from Nicaragua

Museo Entomológico de León – MEL

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

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

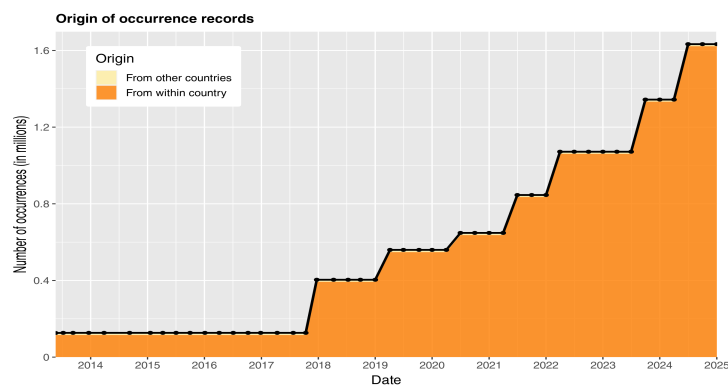


Number of occurrence records downloaded via GBIF.org published by institutions in Nicaragua

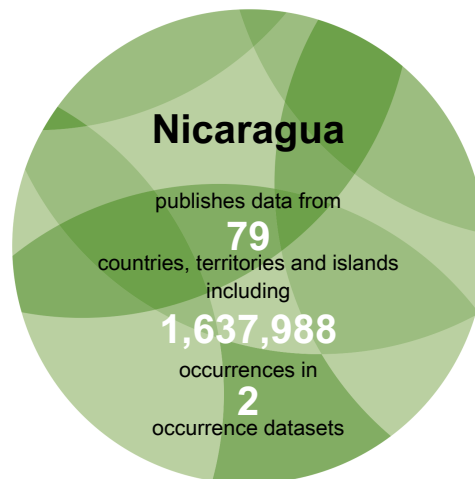


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Nicaragua

Rank	Country or area	No. of occurrences
1	Nicaragua	1,621,726
2	United States of America	435,522
3	Mexico	25,324
4	United Kingdom	9,034
5	Spain	6,546
6	Germany	5,411
7	Ecuador	5,378
8	Netherlands	4,382
9	Brazil	3,712
10	Costa Rica	3,702

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

### Top datasets contributing data about Nicaragua

- EOD – eBird Observation Dataset. 1,506,346 occurrences in Nicaragua. (Last updated 27 Sep 2024)
- Tropicos MO Specimen Data. 143,058 occurrences in Nicaragua. (Last updated 4 Jan 2025)
- mel. 115,380 occurrences in Nicaragua. (Last updated 18 Aug 2016)
- Tropicos Specimens Non-MO. 88,395 occurrences in Nicaragua. (Last updated 4 Jan 2025)
- iNaturalist Research-grade Observations. 50,341 occurrences in Nicaragua. (Last updated 30 Dec 2024)

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