

generated January 2026

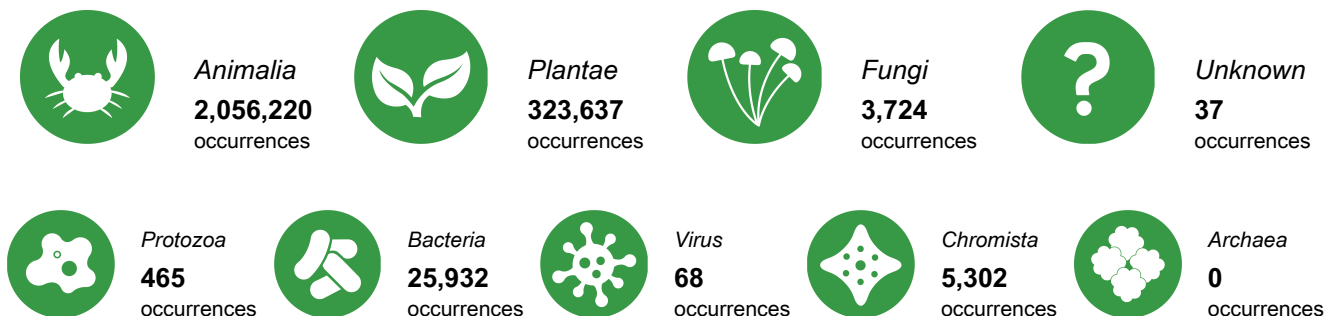
Nicaragua

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.

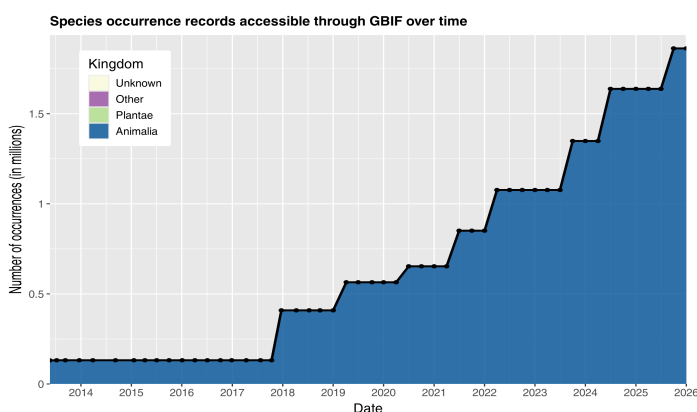
► Access and usage



► Data availability in Nicaragua



► Data mobilization

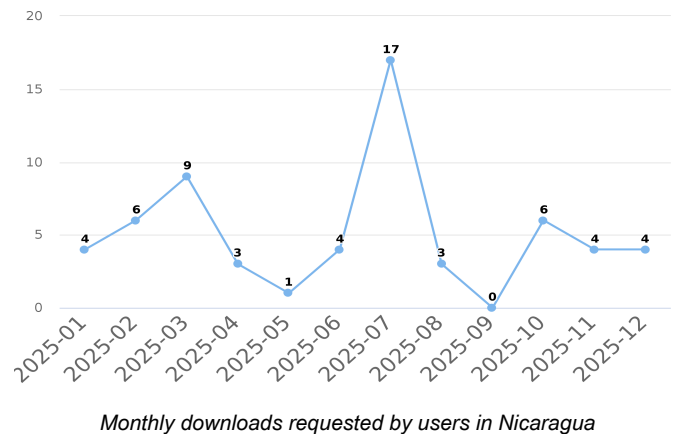
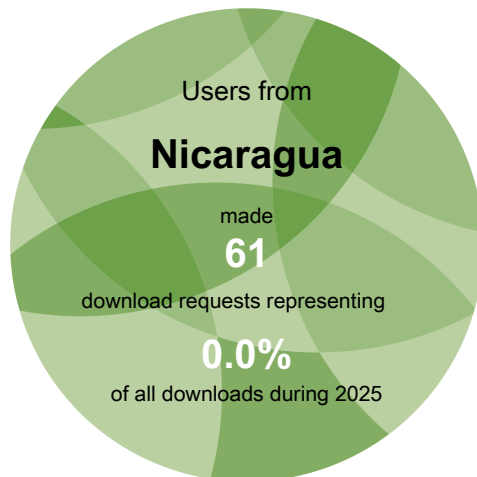


Number of records published by institutions in
Nicaragua, categorized by kingdom



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.

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/NL/publications/from



Data availability

Total data available for selected taxonomic groups in Nicaragua



Mammals
16,292
occurrences



Birds
1,772,377
occurrences



Bony fish
15,084
occurrences



Amphibians
8,309
occurrences



Insects
211,508
occurrences



Reptiles
12,311
occurrences



Molluscs
7,527
occurrences



Arachnids
3,879
occurrences



Flowering plants
293,249
occurrences



Ferns
21,157
occurrences



Gymnosperms
577
occurrences



Mosses
3,949
occurrences



Sac fungi
2,036
occurrences



Basidiomycota
1,652
occurrences

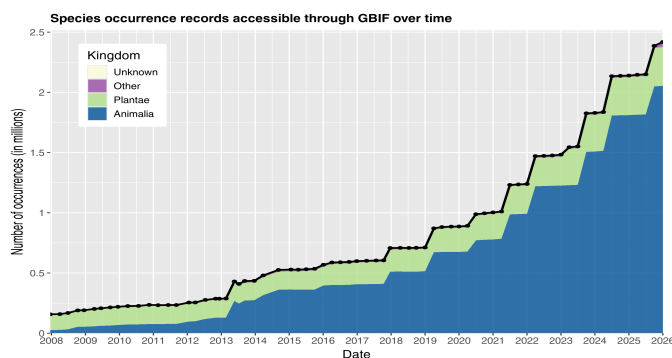
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

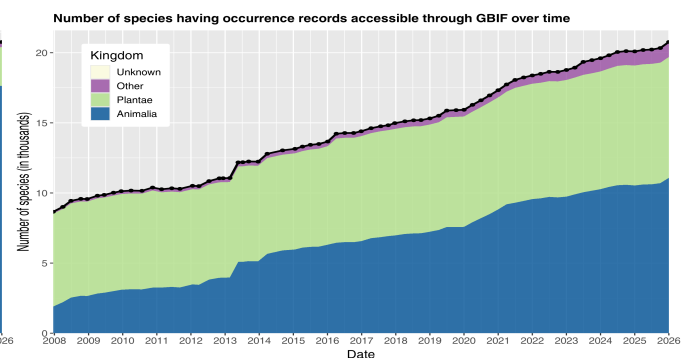
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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>

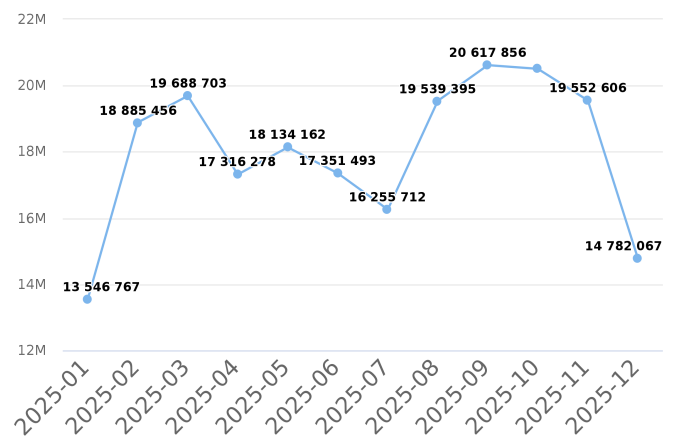
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=NI

Newest publishers from Nicaragua

Museo Entomológico de León – MEL

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

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

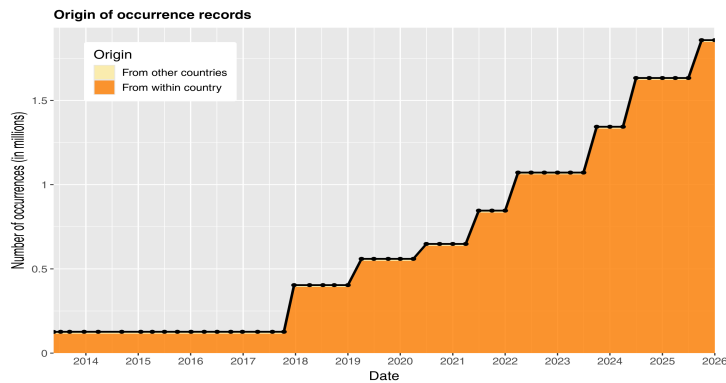


Number of occurrence records downloaded via
GBIF.org published by institutions in Nicaragua

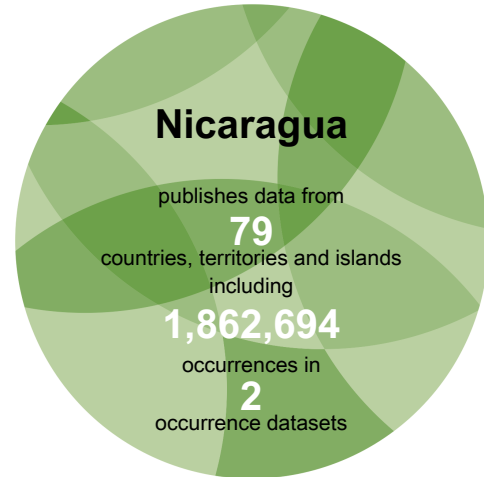


Data mobilization

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	1,846,432
2	United States of America	451,154
3	Germany	31,355
4	Mexico	25,683
5	United Kingdom	10,953
6	Canada	7,560
7	Spain	6,644
8	Ecuador	5,492
9	Netherlands	4,589
10	Costa Rica	4,540

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

Top datasets contributing data about Nicaragua

- EOD – eBird Observation Dataset. 1,731,052 occurrences in Nicaragua. (Last updated 29 Oct 2025)
- Tropicos MO Specimen Data. 143,170 occurrences in Nicaragua. (Last updated 31 Dec 2025)
- mel. 115,380 occurrences in Nicaragua. (Last updated 18 Aug 2016)
- Tropicos Specimens Non-MO. 89,289 occurrences in Nicaragua. (Last updated 31 Dec 2025)
- iNaturalist Research-grade Observations. 62,768 occurrences in Nicaragua. (Last updated 31 Dec 2025)

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