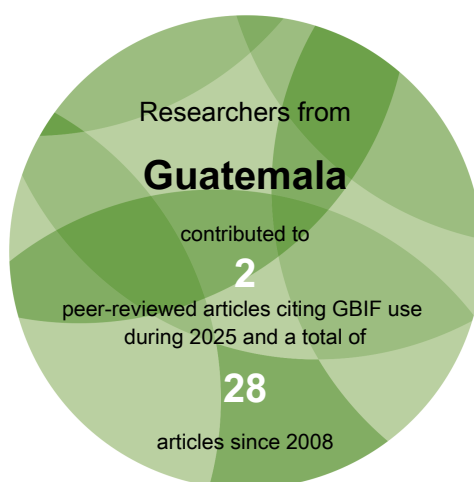


generated January 2026

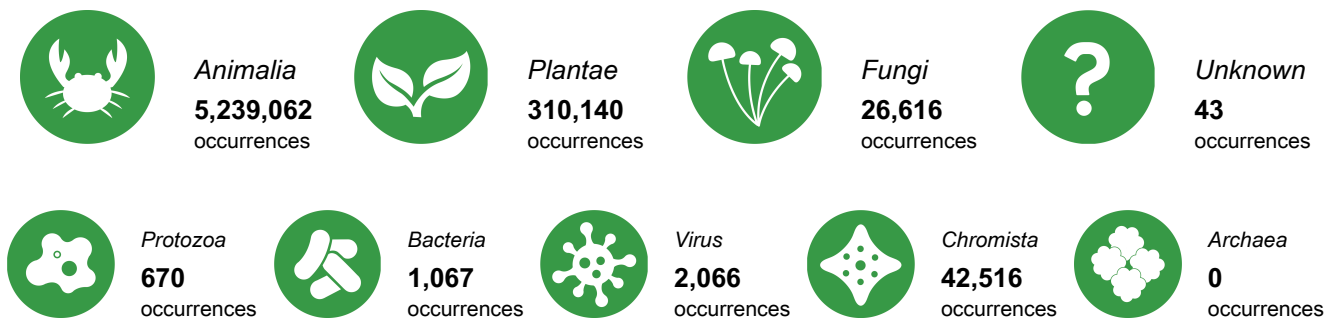
Guatemala

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 Guatemala. 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.

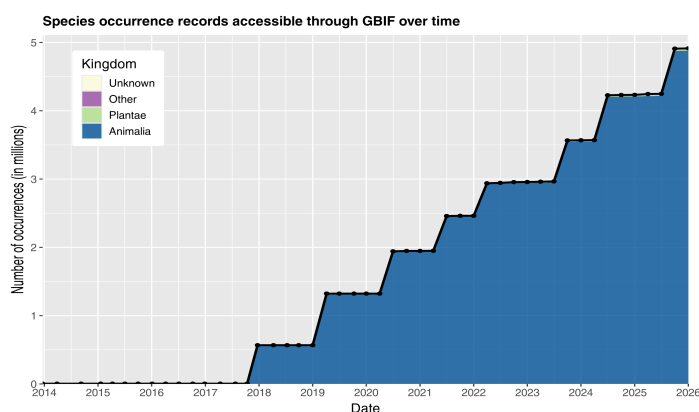
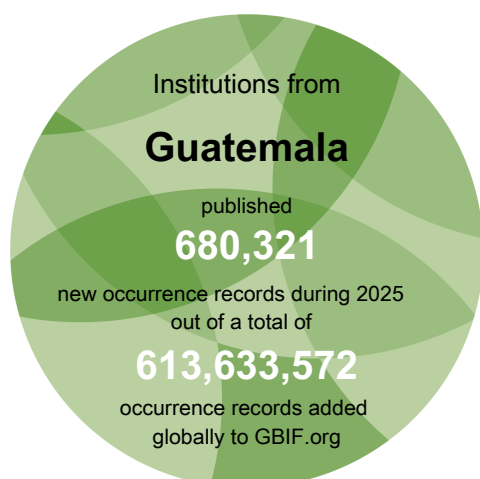
► Access and usage



► Data availability in Guatemala



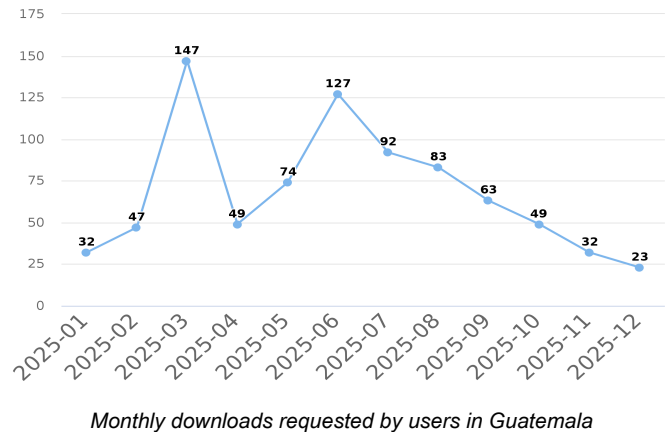
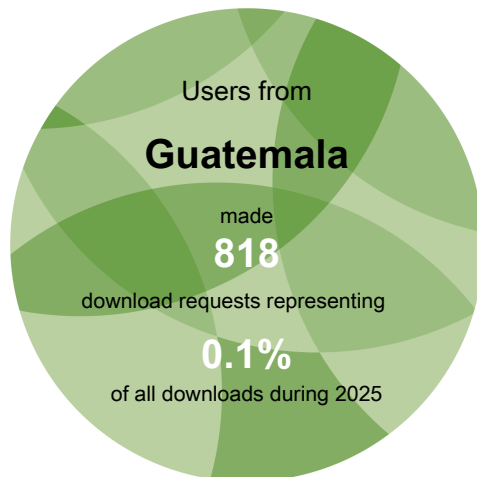
► Data mobilization



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

Access and usage

Data downloads on GBIF.org from users in Guatemala



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

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 Guatemala.

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

Eisermann, Lewis, Forest *et al.* (2025) *Erythrostemon guatemalensis* (Leguminosae: Caesalpinioideae: Caesalpinieae), a new Endangered tree species from the Pacific Slope highlands of Guatemala. *Kew Bulletin*.
<https://doi.org/10.1007/s12225-025-10300-0>

Trujillo, Mármol-Kattán, Abugarade *et al.* (2025) Big cats (Carnivora, Felidae) still walking in Sierra de las Minas Biosphere Reserve: a forgotten Jaguar Conservation Unit in northeastern Guatemala. *Check List*.
<https://doi.org/10.15560/21.3.544>

Rivera-Yurrita, Vásquez-Almazán. (2024) NUEVOS REGISTROS DE DISTRIBUCIÓN DE *Oedipina elongata* (CAUDATA: PLETHODONTIDAE) EN EL NORTE DE GUATEMALA. *Revista Latinoamericana De Herpetología*.
<https://doi.org/10.22201/fc.25942158e.2024.4.1075>

Falconi-Briones, Bolom-Huet, Naranjo *et al.* (2024) Connectivity at risk: a critical scenario for the endangered Baird's tapir and the vulnerable white-lipped peccary in the Maya Forest. *Biodiversity and Conservation*.
<https://doi.org/10.1007/s10531-024-02968-w>

Navia, Alfaro-Shigueto, Ágreda-Arango *et al.* (2024) Unveiling Macroecological Patterns of Elasmobranchs in the Eastern Pacific



Data availability

Total data available for selected taxonomic groups in Guatemala



Mammals
34,286
occurrences



Birds
4,893,373
occurrences



Bony fish
21,142
occurrences



Amphibians
44,707
occurrences



Insects
179,905
occurrences



Reptiles
44,291
occurrences



Molluscs
11,707
occurrences



Arachnids
3,435
occurrences



Flowering plants
261,536
occurrences



Ferns
29,748
occurrences



Gymnosperms
1,673
occurrences



Mosses
11,606
occurrences



Sac fungi
13,048
occurrences



Basidiomycota
12,283
occurrences

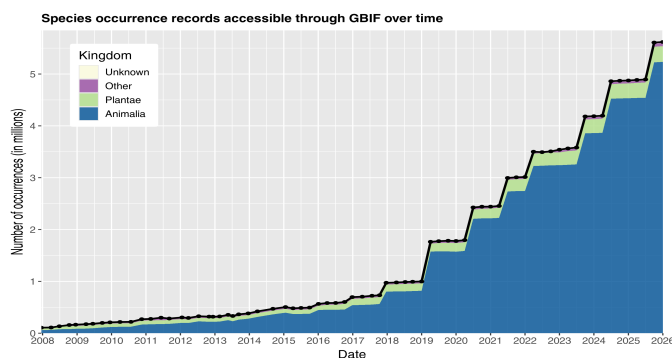
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

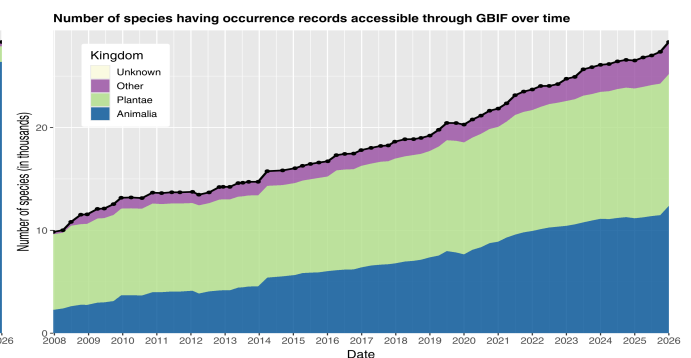
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Guatemala



Occurrence records available about species occurring in Guatemala



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

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 Guatemala

Universidad de San Carlos de Guatemala - Colección de Mamíferos. *Published by Sistema de Colecciones Biológicas, Escuela de Biología, Universidad de San Carlos de Guatemala*
<https://doi.org/10.15468/2w9q4u>

Registros de mamíferos en cámaras trampa Repsa 2024 - Grupo HAME. *Published by Centro de Estudios Biológicos y Sociales de Guatemala*
<https://doi.org/10.15468/5nktg5>

Registro de Biodiversidad de Asociación Sostenible para el Desarrollo Integral y Turístico de Loma Linda (ASODILL). *Published by Sistema Nacional de Información sobre Diversidad Biológica de Guatemala*
<https://doi.org/10.15468/muudh2>

USAC, CECON - Catálogo Fotográfico de Semillas. *Published by Centro de Estudios Conservacionistas (CECON), Universidad de San Carlos de Guatemala (USAC)*
<https://doi.org/10.15468/mjnec3>

Avian Species Records from a Dry Forest in Zacapa, Guatemala. *Published by Sistema Nacional de Información sobre Diversidad Biológica de Guatemala*
<https://doi.org/10.15468/n4sd8w>

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

Newest publishers from Guatemala

Centro de Estudios Biológicos y Sociales de Guatemala

Instituto Nacional de Bosques

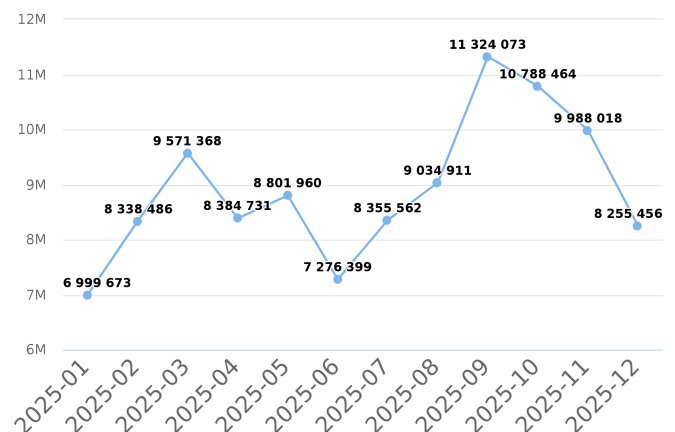
BQB S.A.

Fundación Defensores de la Naturaleza

Wildlife Conservation Society - Guatemala Program

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

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

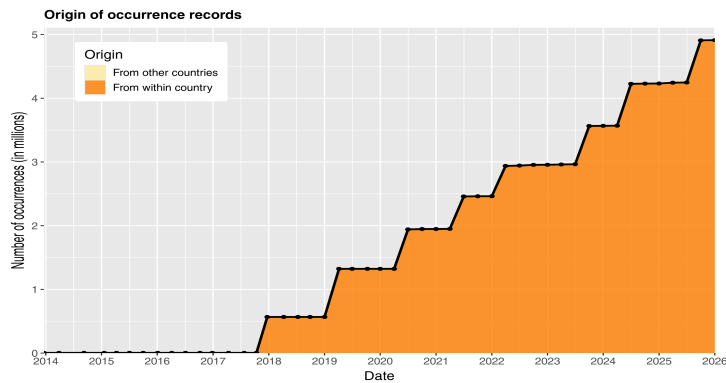


Number of occurrence records downloaded via
GBIF.org published by institutions in Guatemala

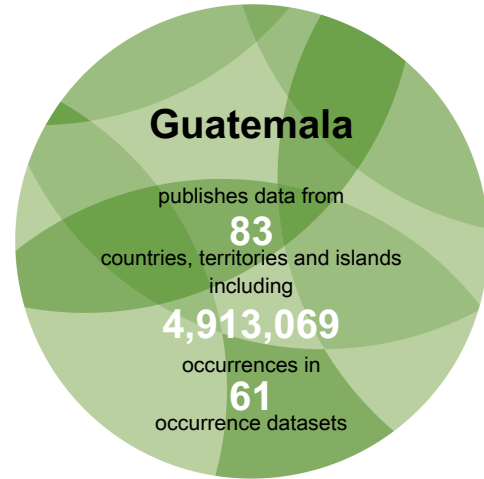


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Guatemala

Rank	Country or area	No. of occurrences
1	Guatemala	4,895,176
2	United States of America	487,614
3	Mexico	48,405
4	United Kingdom	34,676
5	Belgium	25,412
6	Germany	25,113
7	Canada	18,554
8	Colombia	15,865
9	Sweden	13,909
10	Estonia	12,593

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

Top datasets contributing data about Guatemala

- EOD – eBird Observation Dataset. 4,811,988 occurrences in Guatemala. (Last updated 29 Oct 2025)
- NMNH Extant Specimen Records (USNM, US). 67,628 occurrences in Guatemala. (Last updated 2 Jan 2026)
- iNaturalist Research-grade Observations. 64,187 occurrences in Guatemala. (Last updated 31 Dec 2025)
- Snow Entomological Museum Collection. 50,645 occurrences in Guatemala. (Last updated 2 Jan 2026)
- Tropicos MO Specimen Data. 38,494 occurrences in Guatemala. (Last updated 31 Dec 2025)

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



Guatemala participates in the following projects coordinated by GBIF

Enhancing data publication, access and use capacities in the private sector

Capacity Enhancement Support Programme, 2022–2024

<https://www.gbif.org/project/CESP2022-010>

Improving the visibility of Latin American Natural Science Collections through a Global Collections
Network Campaign

Capacity Enhancement Support Programme, 2023–2024

<https://www.gbif.org/project/CESP2022-012>

National portals addressing national challenges

Capacity Enhancement Support Programme, 2023–2024

<https://www.gbif.org/project/CESP2023-010>

See all GBIF projects

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