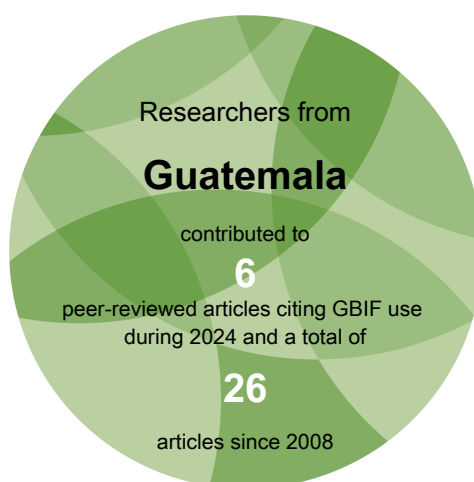


generated January 2025

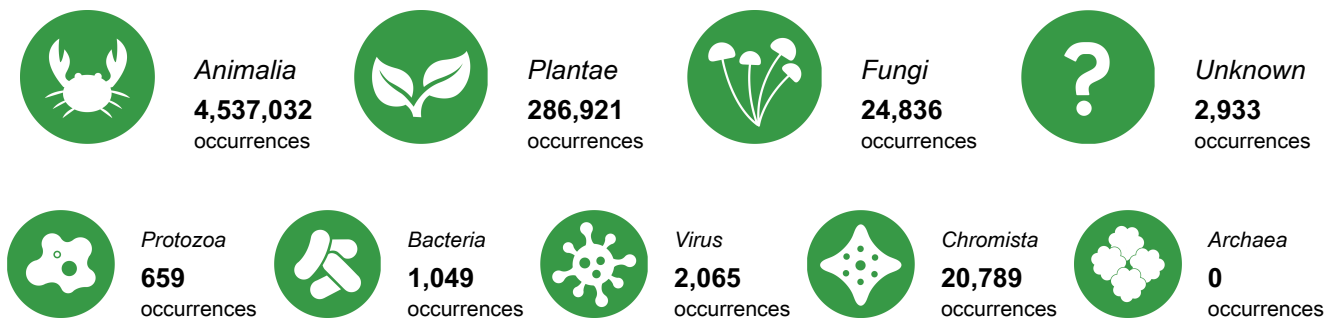
## Guatemala

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.

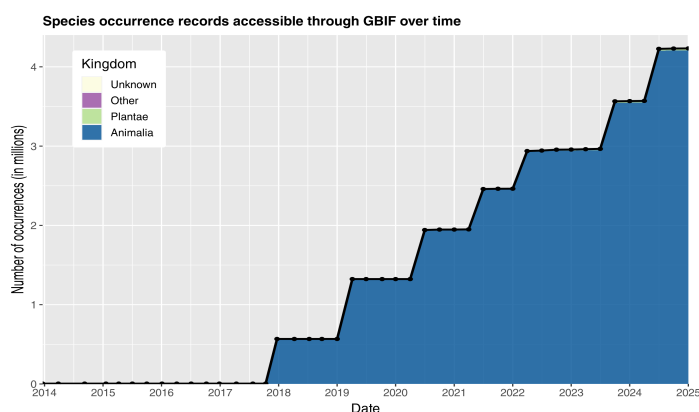
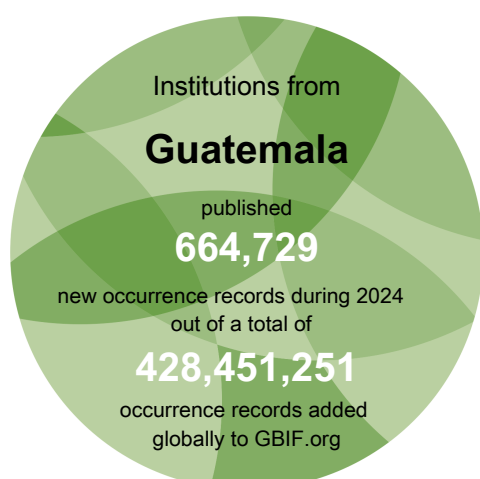
### ► Access and usage



### ► Data availability in Guatemala



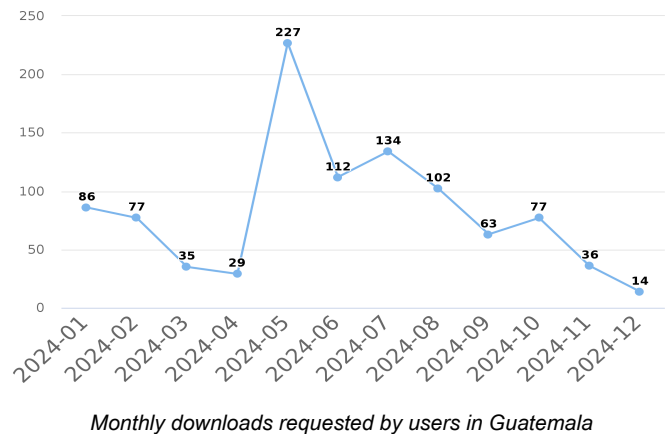
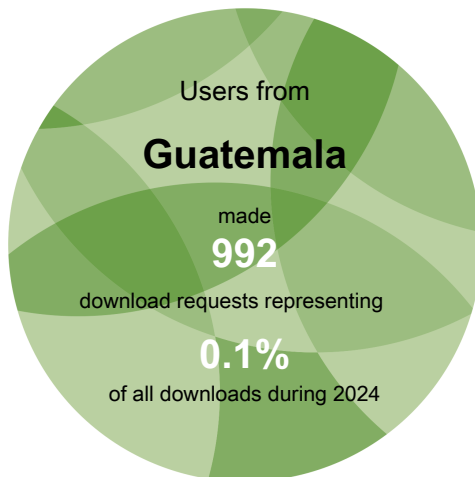
### ► Data mobilization



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](mailto:comms@gbif.org).

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 Ocean. *Journal of Biogeography*.  
<https://doi.org/10.1111/jbi.15037>

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>

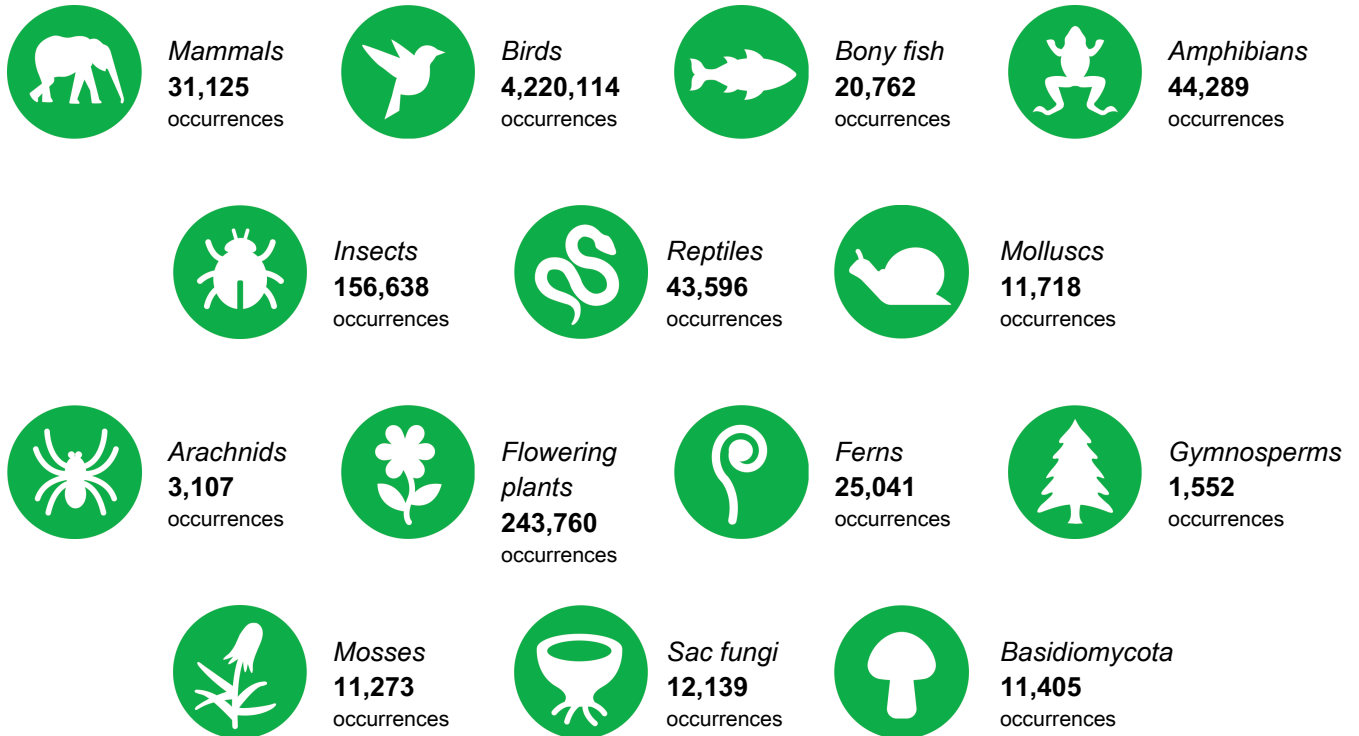
Interiano, Herrera, Orellana Carrera *et al.* (2024) Interaction intensity as determinant of geographic range overlap between ant-following birds and army ants. *Neotropical Biology and Conservation*.





## Data availability

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



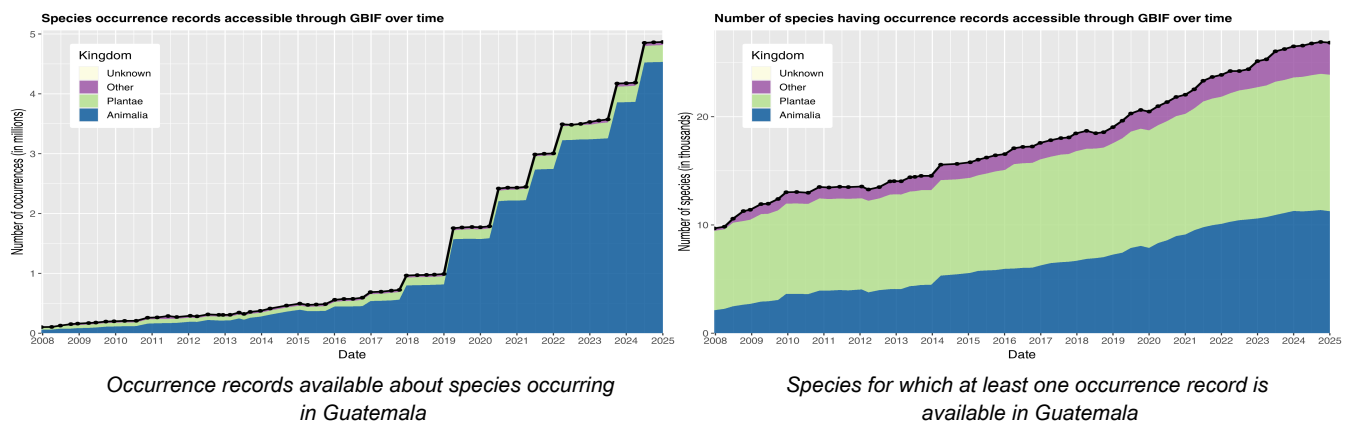
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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



#### 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

Registros de mamíferos en cámaras trampa Santa Rosa 2024. *Published by Centro de Estudios Biológicos y Sociales de Guatemala*  
<https://doi.org/10.15468/jqaze8>

Registros de fauna en estudio biológico Santa Rosa y productores asociados 2024. *Published by Centro de Estudios Biológicos y Sociales de Guatemala*  
<https://doi.org/10.15468/37qchp>

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

CDC-CECON USAC Observaciones de Flora. *Published by Centro de Estudios Conservacionistas (CECON), Universidad de San Carlos de Guatemala (USAC)*  
<https://doi.org/10.15468/7d3e7f>

CDC-CECON USAC Observaciones de Fauna. *Published by Centro de Estudios Conservacionistas (CECON), Universidad de San Carlos de Guatemala (USAC)*  
<https://doi.org/10.15468/9a8pr9>

Línea Base de biodiversidad "Reserva Privada Finca Fernando Paiz". *Published by BQB S.A.*  
<https://doi.org/10.15468/3cw29g>

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

## Newest publishers from Guatemala

Centro de Estudios Biológicos y Sociales de Guatemala

BQB S.A.

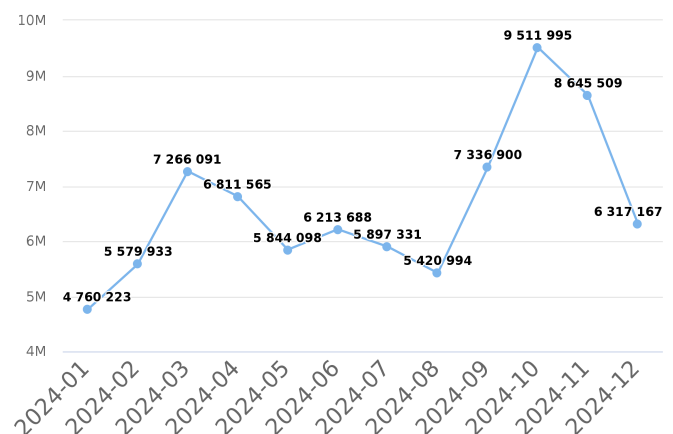
Wildlife Conservation Society - Guatemala Program

Reserva Natural Heloderma

Consultor TopoSIG

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

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

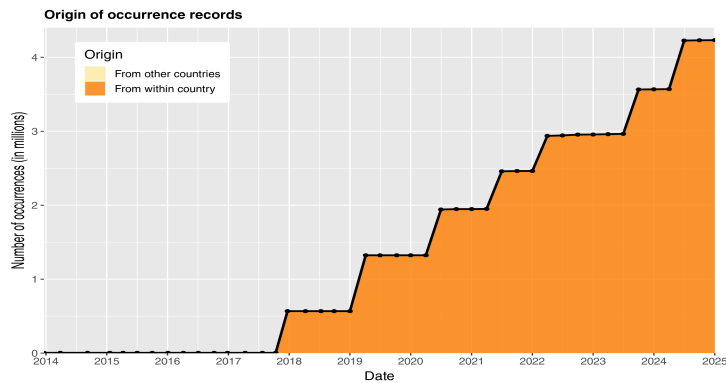


Number of occurrence records downloaded via  
GBIF.org published by institutions in Guatemala

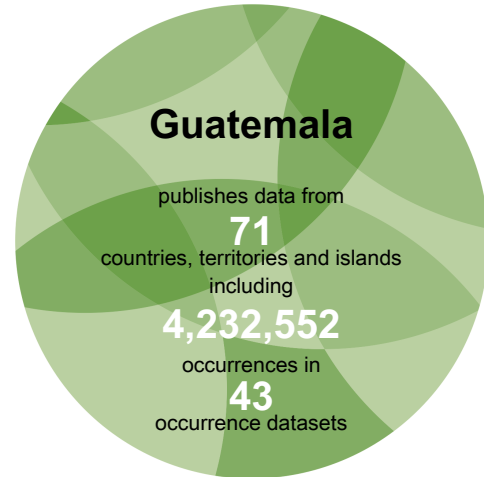


## Data mobilization

### 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	4,225,878
2	United States of America	470,790
3	Mexico	47,198
4	Germany	24,778
5	United Kingdom	20,103
6	Colombia	15,833
7	Estonia	12,569
8	International organization or unknown country	10,606
9	Netherlands	7,496
10	Sweden	7,203

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

### Top datasets contributing data about Guatemala

- EOD – eBird Observation Dataset. 4,155,371 occurrences in Guatemala. (Last updated 27 Sep 2024)
- NMNH Extant Specimen Records (USNM, US). 67,455 occurrences in Guatemala. (Last updated 2 Jan 2025)
- Snow Entomological Museum Collection. 50,600 occurrences in Guatemala. (Last updated 2 Dec 2024)
- iNaturalist Research-grade Observations. 49,715 occurrences in Guatemala. (Last updated 30 Dec 2024)
- Tropicos MO Specimen Data. 38,264 occurrences in Guatemala. (Last updated 4 Jan 2025)

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



## Guatemala participates in the following projects coordinated by GBIF

### National portals addressing national challenges

*Capacity Enhancement Support Programme, 2023–2024*

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

### 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>

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

*Capacity Enhancement Support Programme, 2022–2024*

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

See all GBIF projects

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