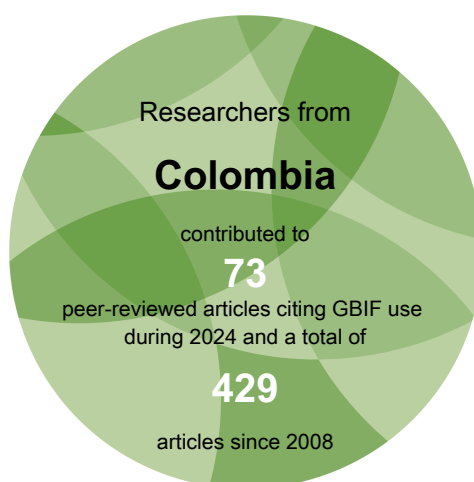


generated January 2025

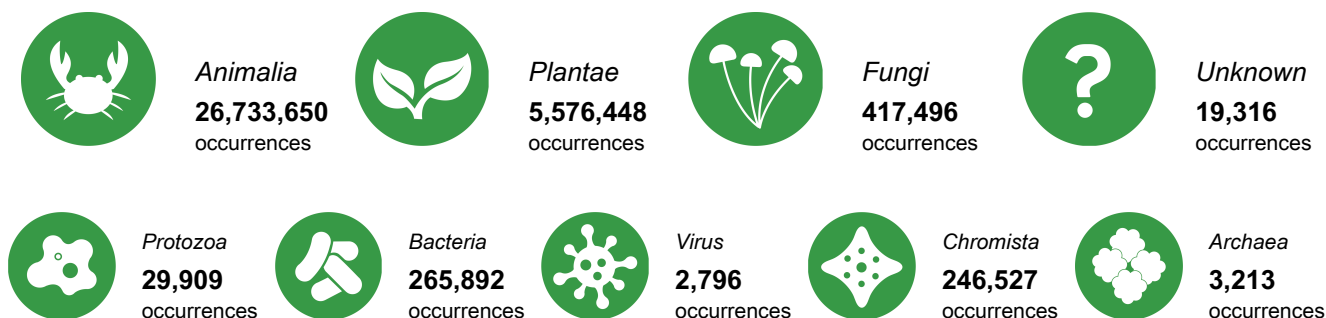
Colombia

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 Colombia. 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.

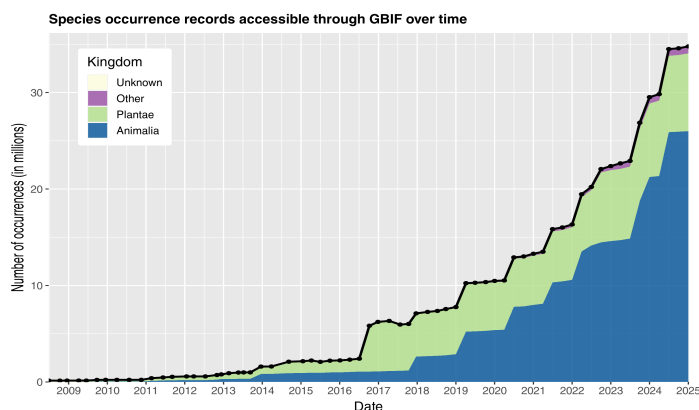
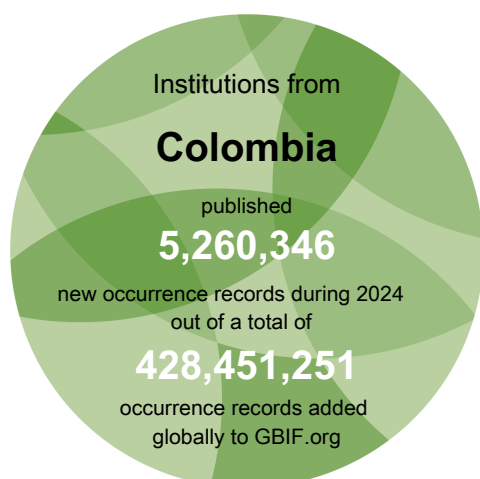
► Access and usage



► Data availability in Colombia



► Data mobilization

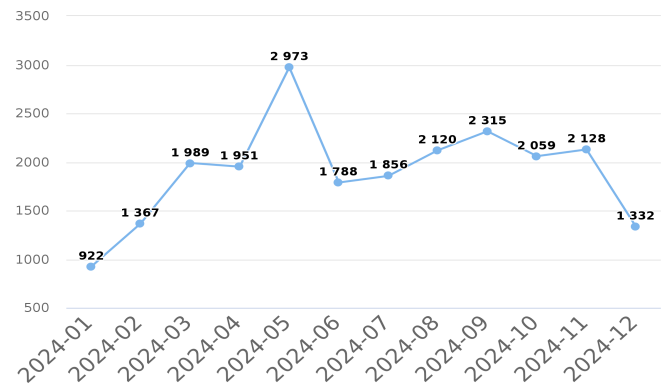
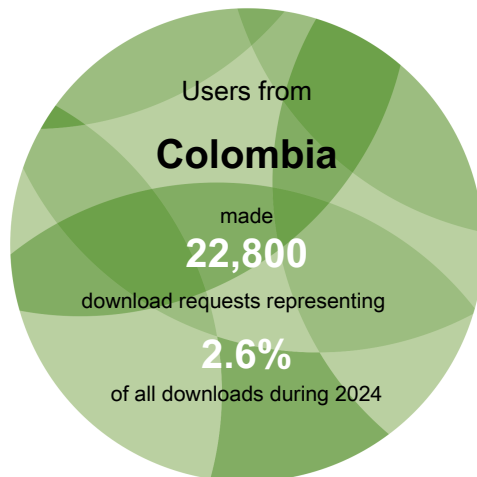


Number of records published by institutions in Colombia, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Colombia



Monthly downloads requested by users in Colombia

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

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 Colombia.

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

ANTÚÑEZ-FONSECA, RAMOS-GALDAMEZ, SOLÍS *et al.* (2024) A new species of the genus *Liotyphlops* Peters, 1881 (Serpentes: Anomalepididae) from the Caribbean coast of Honduras. *Zootaxa*.
<https://doi.org/10.11646/zootaxa.5543.1.5>

Kondo, Campos-Patiño, Tarazona-Velásquez *et al.* (2024) First report of the fruit-piercing moth, *Gonodonta nutrix* Stoll, 1780 (Lepidoptera: Erebididae) in Colombia, with notes on its morphology and biology. *REVISTA CHILENA DE ENTOMOLOGÍA*.
<https://doi.org/10.35249/rche.50.4.24.11>

Echeverri, Batista, Wolny *et al.* (2024) Toward Sustainable Biocultural Ecotourism: An Integrated Spatial Analysis of Cultural and Biodiversity Richness in Colombia. *People and Nature*.
<https://doi.org/10.1002/pan3.10755>

González-Trujillo, Escobar-Alba, Lara *et al.* (2024) Mapping the threat: projecting invasive plant distribution in the tropical Andes under climate change. *Perspectives in Ecology and Conservation*.
<https://doi.org/10.1016/j.pecon.2024.11.002>

Rojas, Clerici, Longo *et al.* (2024) Integrative framework for analyzing ecosystem services multifunctionality in watershed planning: case study of the Coello River Basin, Colombia. *International Journal of River Basin Management*.



Data availability

Total data available for selected taxonomic groups in Colombia



Mammals
618,924
occurrences



Birds
21,015,794
occurrences



Bony fish
2,234,259
occurrences



Amphibians
231,061
occurrences



Insects
1,377,610
occurrences



Reptiles
246,888
occurrences



Molluscs
70,942
occurrences



Arachnids
42,768
occurrences



Flowering plants
5,018,931
occurrences



Ferns
177,001
occurrences



Gymnosperms
31,444
occurrences



Mosses
135,302
occurrences



Sac fungi
285,802
occurrences



Basidiomycota
85,465
occurrences

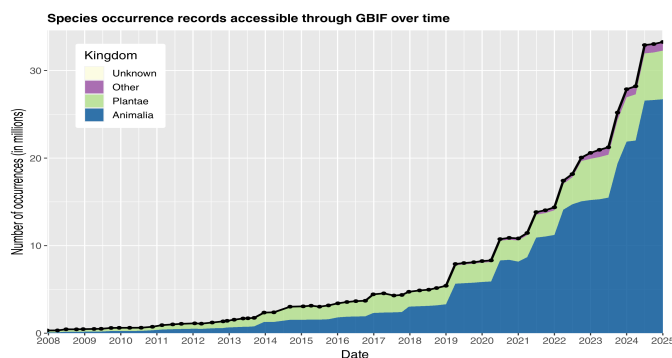
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

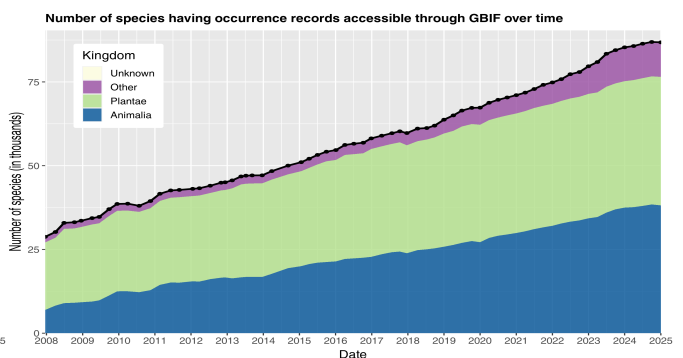
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Colombia



Occurrence records available about species occurring in Colombia



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

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 Colombia

Colección Zoológica del Instituto Nacional de Salud (INSZ). *Published by Instituto Nacional de Salud*
<https://doi.org/10.15472/gicx1c>

Banco de tejidos de animales venenosos del Instituto Nacional de Salud. *Published by Instituto Nacional de Salud*
<https://doi.org/10.15472/7ljhdb>

Registros de Mauritia flexuosa (Moriche) en los departamentos de Casanare, Arauca y Vichada. *Published by Corporación Autónoma Regional de la Orinoquia - Corporinoquia*
<https://doi.org/10.15472/5wncx1>

Abejas en ecosistemas urbanos y periurbanos de Tunja, Colombia. *Published by Universidad Pedagógica y Tecnológica de Colombia*
<https://doi.org/10.15472/6rqdd2>

Fauna y flora asociada al Plan de Ordenación y Manejo Ambiental de la cuenca del río Pauto. *Published by Corporación Autónoma Regional de la Orinoquia - Corporinoquia*
<https://doi.org/10.15472/fmlbsd>

Zooplankton del interfluvio de las subzonas hidrográficas del Putumayo y Caquetá en el departamento de Putumayo – Proyecto Ríos Diversos. *Published by Instituto Amazónico de Investigaciones Científicas - SINCHI*
<https://doi.org/10.15472/6aqop1>

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

Newest publishers from Colombia

JOYCO SAS BIC

Instituto Departamental de Salud de Nariño

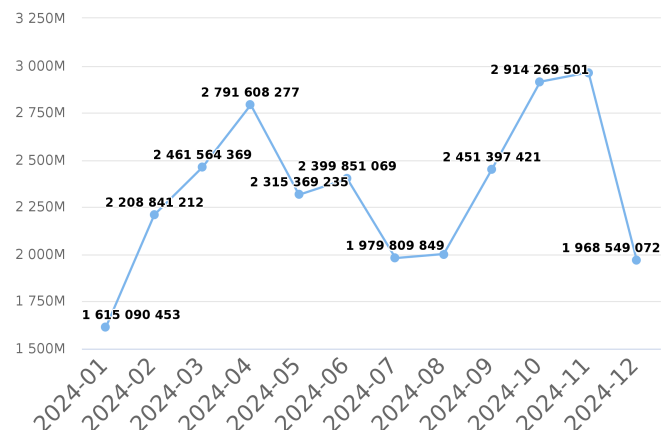
Alcaldía Municipal de Garzón en Huila

Fundación Proyección Eco-Social

Campo Capital S.A.S.

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

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

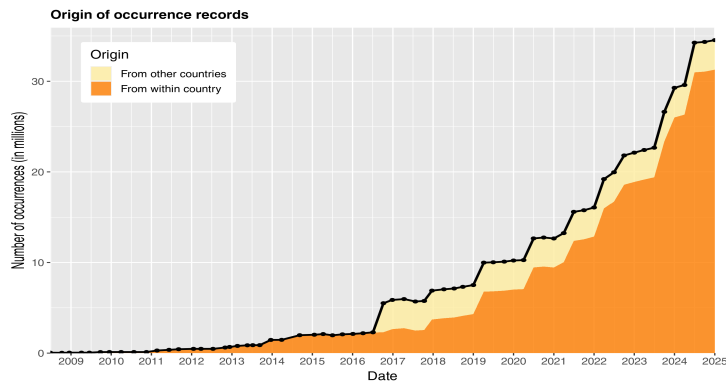


Number of occurrence records downloaded via
GBIF.org published by institutions in Colombia

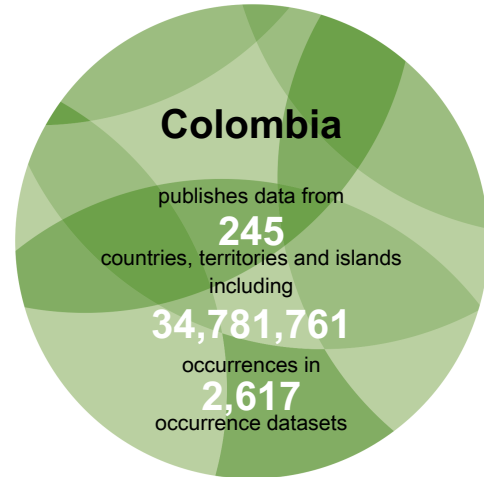


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Colombia

Rank	Country or area	No. of occurrences
1	Colombia	31,287,942
2	United States of America	1,188,984
3	Estonia	212,829
4	Netherlands	144,415
5	United Kingdom	82,995
6	Denmark	61,303
7	International organization or unknown country	50,966
8	Spain	46,395
9	Germany	45,670
10	France	36,963

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

Top datasets contributing data about Colombia

EOD – eBird Observation Dataset. 18,989,228 occurrences in Colombia. (Last updated 27 Sep 2024)

Pesquería Artesanal de la Ciénaga Grande de Santa Marta - SIPEIN. 2,015,288 occurrences in Colombia. (Last updated 17 Jun 2024)

Rescate y reubicación de Epífitas en el área del vaso del embalse del Proyecto Hidroeléctrico Ituango. 682,694 occurrences in Colombia. (Last updated 12 Jan 2024)

Aprovechamiento Forestal en el área de influencia del Proyecto Hidroeléctrico Ituango. 666,535 occurrences in Colombia. (Last updated 12 Jan 2024)

iNaturalist Research-grade Observations. 415,378 occurrences in Colombia. (Last updated 30 Dec 2024)

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



Colombia participates in the following projects coordinated by GBIF

Catalogue of the Fishes of Colombia

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-030-USE>

Facilitating the engagement of Ibero-American community

Capacity Enhancement Support Programme, 2016–2017

This collaboration between SiB Colombia and GBIF Spain aims to produce new learning and promotional resources that serve bridge one of the linguistic gaps in the GBIF network.

<https://www.gbif.org/project/82839>

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 biodiversity data quality in Latin America: documenting best practices across data workflows and life cycles

Capacity Enhancement Support Programme, 2020–2022

Addressing and implementing approaches for enhancing the quality of unpublished, published and repatriated biodiversity data

<https://www.gbif.org/project/5JJH6ZKCjztKrQ750OAadQ>

Training in participatory biodiversity monitoring: Building locally, connecting globally

Capacity Enhancement Support Programme, 2017–2018

Instruction in the theory and practice of community-based monitoring hopes to establish a self-sustaining, Spanish-speaking community of practice.

<https://www.gbif.org/project/83344>

Extending tools for improving biodiversity data quality to Spanish-speaking communities

Capacity Enhancement Support Programme, 2017–2018

By translating elements of a key tool for making pre-publications improvements to data quality, VertNet and SiB Colombia will fill an important technical gap for the numerous Spanish-speaking staff across the GBIF community.

<https://www.gbif.org/project/83348>

Data quality: Improving primary biodiversity data in the GBIF network

Capacity Enhancement Support Programme, 2014–2015

This regional initiative aims to address data quality by transferring knowledge about best publishing practices and putting them into effect.

<https://www.gbif.org/project/82230>

Plant communities of tropical dry forests in Caribbean Colombia

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-024-INS>

Data mobilization for key entomological groups across Caribbean Colombia

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-045-NAC>

Mobilizing marine data from Colombian natural history collections

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-055-NAC>

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