

generated January 2026

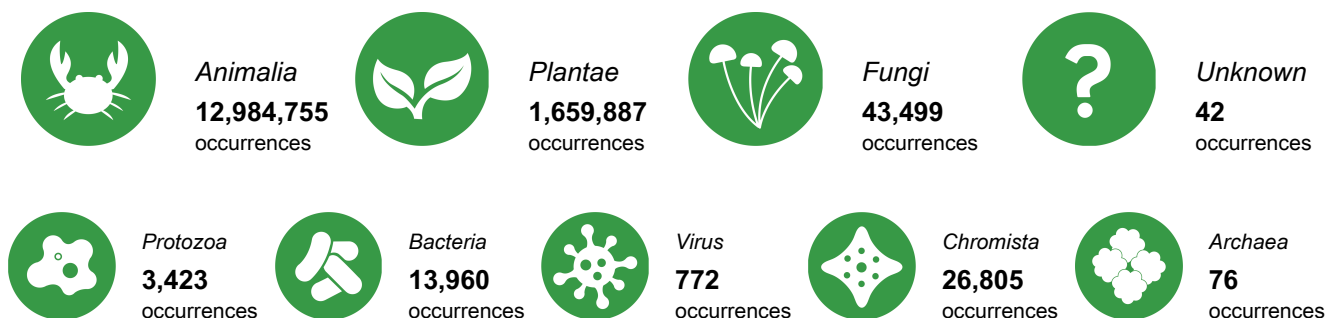
Ecuador

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 Ecuador. 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.

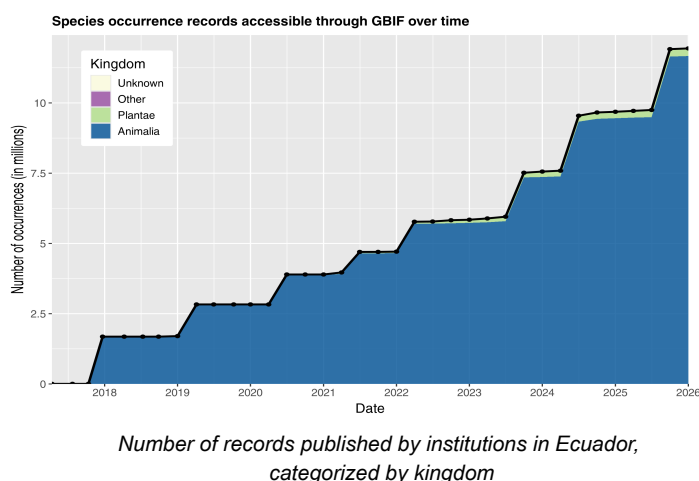
► Access and usage



► Data availability in Ecuador



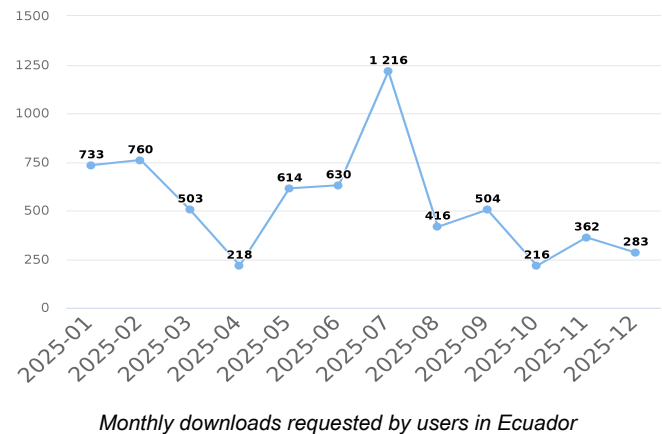
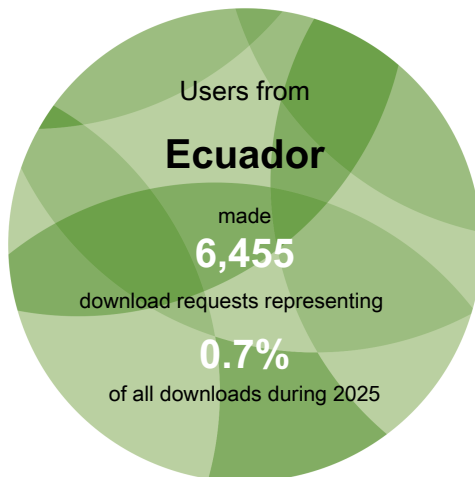
► Data mobilization





Access and usage

Data downloads on GBIF.org from users in Ecuador



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

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 Ecuador.

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

Soto, Oficialdegui, Bedmar *et al.* (2025) Over 1200 Non-Native Species Are Established in the Iberian Peninsula. *Diversity and Distributions*.
<https://doi.org/10.1111/ddi.70071>

Bush, Sales, Neill *et al.* (2025) Ecological legacies and recent footprints of the Amazon's Lost City. *Nature Communications*.
<https://doi.org/10.1038/s41467-025-62315-7>

Arias, Moreno, Reyes *et al.* (2025) Plastome phylogenomics of the diverse neotropical orchid genus *Lepanthes* with emphasis on subgenus *Marsiphanthes* (Pleurothallidinae: Orchidaceae). *BMC Ecology and Evolution*.
<https://doi.org/10.1186/s12862-025-02396-6>

Tirira, Males, Bravo-Salinas *et al.* (2025) Confirmed presence of *Neogale frenata* (Carnivora, Mustelidae) in the cordillera del Cóndor (ecuador) and comments on its taxonomy. *Mammal Research*.
<https://doi.org/10.1007/s13364-025-00808-y>

Liria, Soto-Vivas. (2025) Csv2xyd: A Python Software for Processing Large Biodiversity Datasets for Endemism Analysis. *Journal of Open Research Software*.
<https://doi.org/10.5334/jors.538>

See all research from this country or area
gbif.org/country/EC/publications/from



Data availability

Total data available for selected taxonomic groups in Ecuador



Mammals
154,417
occurrences



Birds
11,654,517
occurrences



Bony fish
114,901
occurrences



Amphibians
203,318
occurrences



Insects
536,901
occurrences



Reptiles
116,547
occurrences



Molluscs
53,038
occurrences



Arachnids
31,842
occurrences



Flowering plants
1,449,077
occurrences



Ferns
108,528
occurrences



Gymnosperms
1,819
occurrences



Mosses
39,648
occurrences



Sac fungi
29,124
occurrences



Basidiomycota
12,977
occurrences

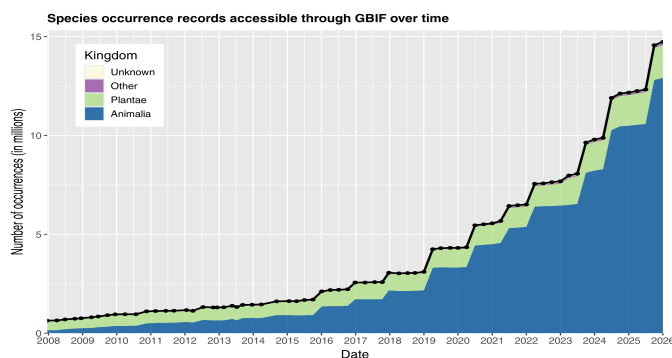
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

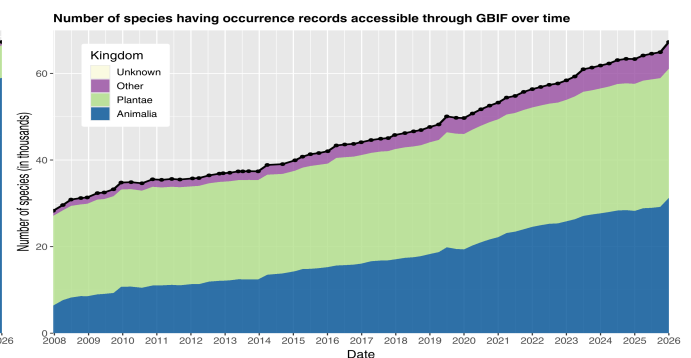
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Ecuador



Occurrence records available about species occurring in Ecuador



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

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 Ecuador

Listado de plantas de uso y aprovechamiento sostenible en Ecuador. *Published by Ministerio de Ambiente y Energía de Ecuador - MAE*
<https://doi.org/10.60545/eifqjo>

Colección de Mamíferos del Museo de Historia Natural Gustavo Orcés V. *Published by Museo de Historia Natural "Gustavo Orcés V."*
<https://doi.org/10.60545/ukjyvd>

ANT COMMUNITIES IN THE GALÁPAGOS: A BASELINE FOR BIODIVERSITY MONITORING.
Published by Universidad San Francisco de Quito USFQ
<https://doi.org/10.60545/cugowa>

Registros de Cóndor Andino (*Vultur gryphus*) en Ecuador. *Published by Fundación Condor Andino*
<https://doi.org/10.60545/oi9pf6>

Datos Satelitales de vertebrados marcados por FCA. *Published by Fundación Condor Andino*
<https://doi.org/10.15468/rem4sk>

Registros de Águila Andina (*Spizaetus isidori*) en Ecuador. *Published by Fundación Condor Andino*
<https://doi.org/10.60545/ysm7af>

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

Newest publishers from Ecuador

Universidad Politécnica Salesiana

Un poco del Chocó

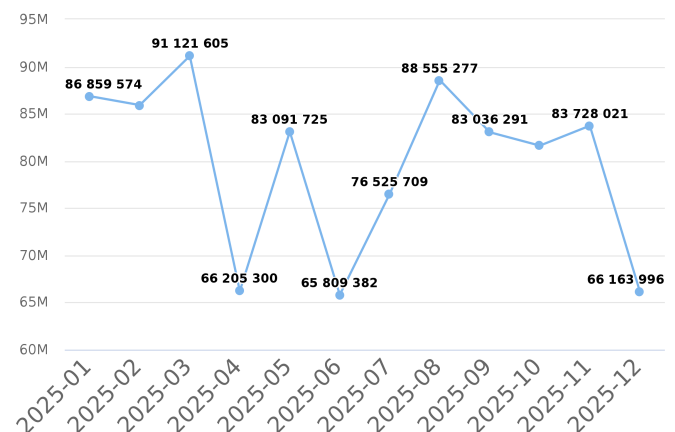
Corporación ECOPAR

Universidad Espíritu Santo - UEES

Universidad Nacional de Loja

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

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

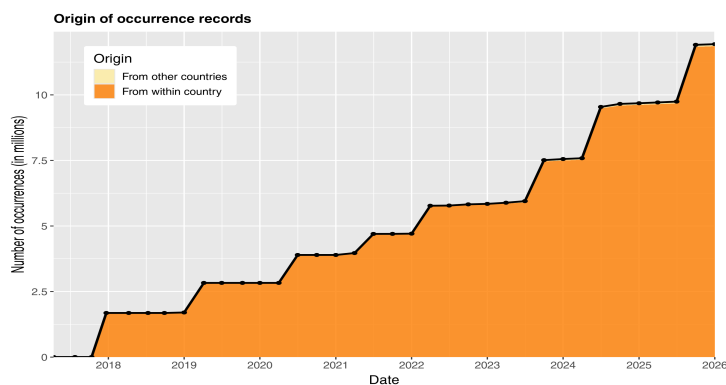


Number of occurrence records downloaded via
GBIF.org published by institutions in Ecuador

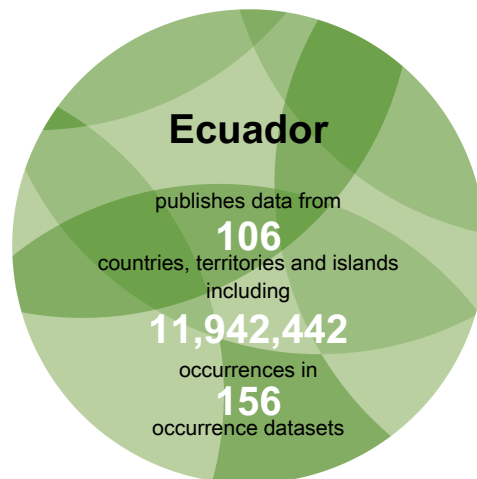


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Ecuador

Rank	Country or area	No. of occurrences
1	Ecuador	11,861,665
2	United States of America	1,775,657
3	International organization or unknown country	201,304
4	Denmark	160,478
5	United Kingdom	118,773
6	Netherlands	106,869
7	Venezuela	93,524
8	Sweden	86,366
9	Germany	69,874
10	Belgium	54,261

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

Top datasets contributing data about Ecuador

- EOD – eBird Observation Dataset. 11,202,589 occurrences in Ecuador. (Last updated 29 Oct 2025)
- iNaturalist Research-grade Observations. 610,026 occurrences in Ecuador. (Last updated 31 Dec 2025)
- Tropicos Specimens Non-MO. 402,644 occurrences in Ecuador. (Last updated 31 Dec 2025)
- Tropicos MO Specimen Data. 263,353 occurrences in Ecuador. (Last updated 31 Dec 2025)
- International Barcode of Life project (iBOL). 191,075 occurrences in Ecuador. (Last updated 28 Nov 2025)

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



Ecuador participates in the following projects coordinated by GBIF

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>

National portals addressing national challenges

Capacity Enhancement Support Programme, 2023–2024

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

From shared experiences to shared knowledge and common solutions: collaborating to improve web-based tools in Latin America and the Caribbean

Capacity Enhancement Support Programme, 2020–2022

Participating nodes aim to incorporate shared best practices, protocols, tools and future road maps for representing the region's biodiversity richness and abundance

<https://www.gbif.org/project/4YJIFEvYJi5kfuUVzNcfYH>

See all GBIF projects

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