

generated January 2026

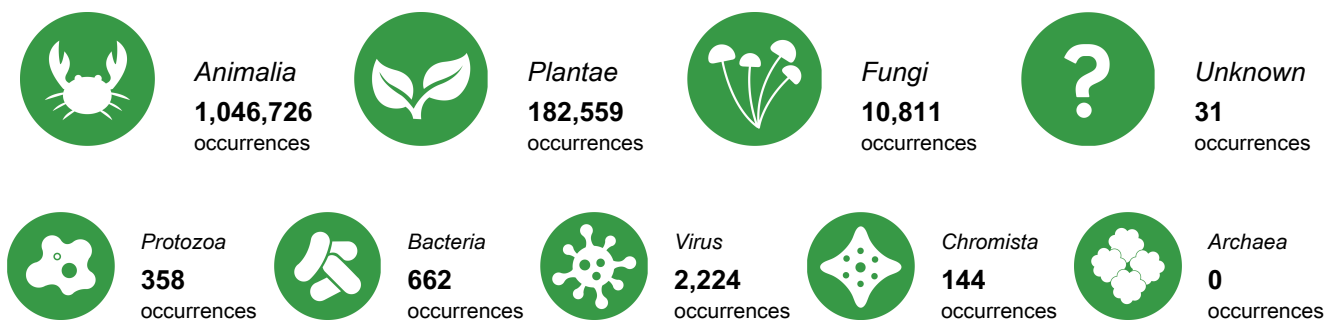
Zambia

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 Zambia. 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.

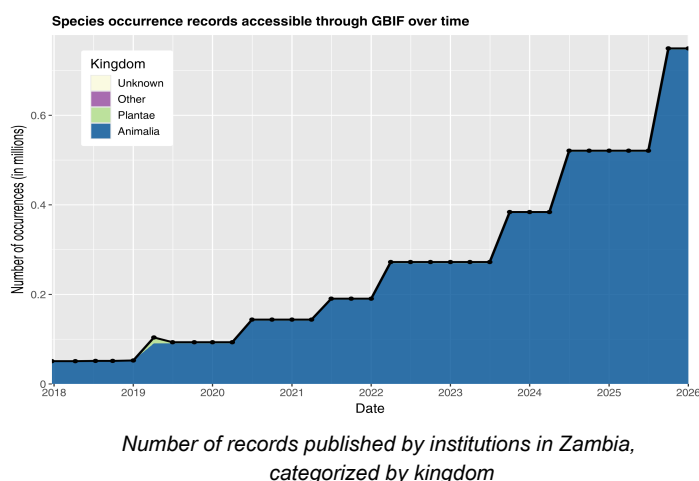
► Access and usage



► Data availability in Zambia



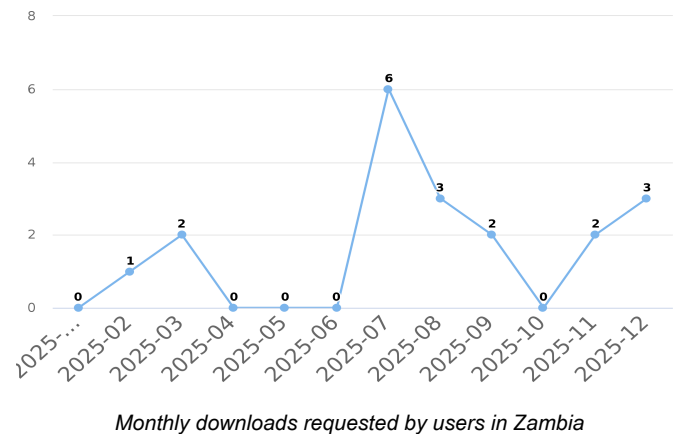
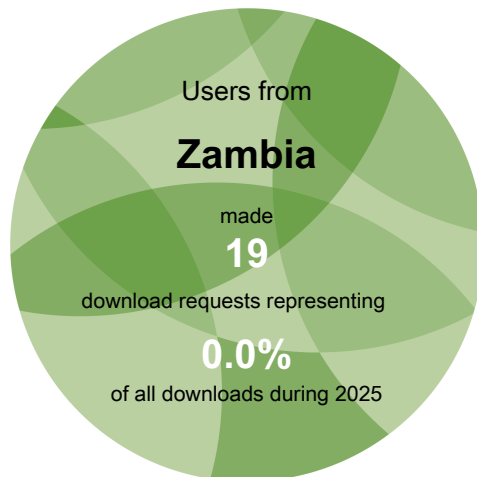
► Data mobilization





Access and usage

Data downloads on GBIF.org from users in Zambia



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

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 Zambia.

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

Muyumbana, Mudenda, Stelbrink *et al.* (2025) Molecular characterisation of the globally invasive freshwater crustacean *Cherax quadricarinatus* (von Martens, 1868) in Zambia. *BioInvasions Records*.
<https://doi.org/10.3391/bir.2025.14.2.07>

Groenendijk, Babst, Trouet *et al.* (2025) The importance of tropical tree-ring chronologies for global change research. *Quaternary Science Reviews*.
<https://doi.org/10.1016/j.quascirev.2025.109233>

Twining, Fuller, Sun *et al.* (2024) Integrating presence-only and detection/non-detection data to estimate distributions and expected abundance of difficult-to-monitor species on a landscape-scale. *Journal of Applied Ecology*.
<https://doi.org/10.1111/1365-2664.14633>

Howard, Nanyeni, Mollel *et al.* (2023) From southern Africa and beyond: Historical biogeography of a monocotyledonous bulbous geophyte. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.14627>

Early, Rwomushana, Chipabika *et al.* (2021) Comparing, evaluating and combining statistical species distribution models and CLIMEX to forecast the distributions of emerging crop pests. *Pest Management Science*.
<https://doi.org/10.1002/ps.6677>

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



Data availability

Total data available for selected taxonomic groups in Zambia



Mammals
23,283
occurrences



Birds
828,213
occurrences



Bony fish
31,344
occurrences



Amphibians
5,755
occurrences



Insects
132,903
occurrences



Reptiles
16,962
occurrences



Molluscs
1,035
occurrences



Arachnids
3,124
occurrences



Flowering plants
177,948
occurrences



Ferns
3,111
occurrences



Gymnosperms
141
occurrences



Mosses
180
occurrences



Sac fungi
5,359
occurrences



Basidiomycota
4,226
occurrences

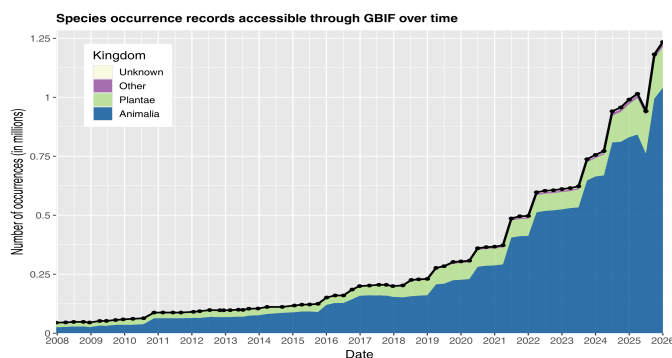
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

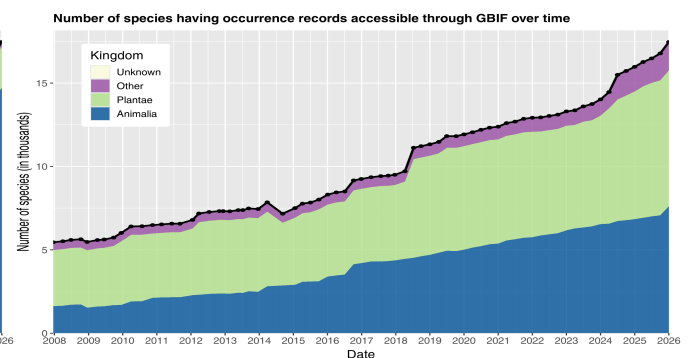
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Zambia



Occurrence records available about species occurring in Zambia



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

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 Zambia

Bats in Zambia Project. *Published by Livingstone Museum*

<https://doi.org/10.15468/q4updn>

Vegetable germplasm passport data of the SADC Plant Genetic Resource Centre. *Published by SADC Plant Genetic Resources Centre*

<https://doi.org/10.15468/lqz10y>

Zambian Bat Collections Worldwide. *Published by Livingstone Museum*

<https://doi.org/10.15468/dfe4dv>

Livingstone Museum Bat Collection. *Published by Livingstone Museum*

<https://doi.org/10.15468/i6cor7>

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

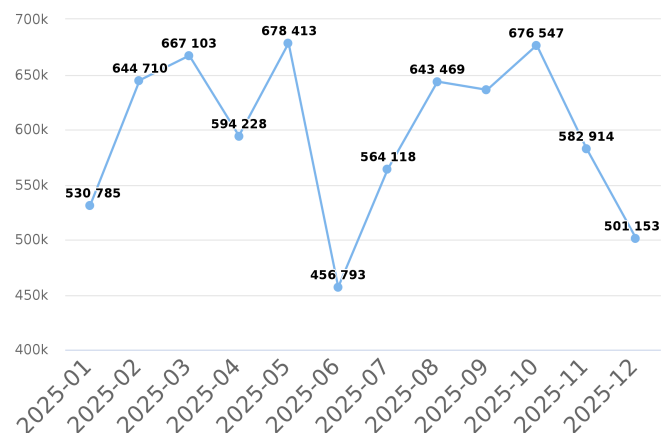
Newest publishers from Zambia

Livingstone Museum

SADC Plant Genetic Resources Centre

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

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

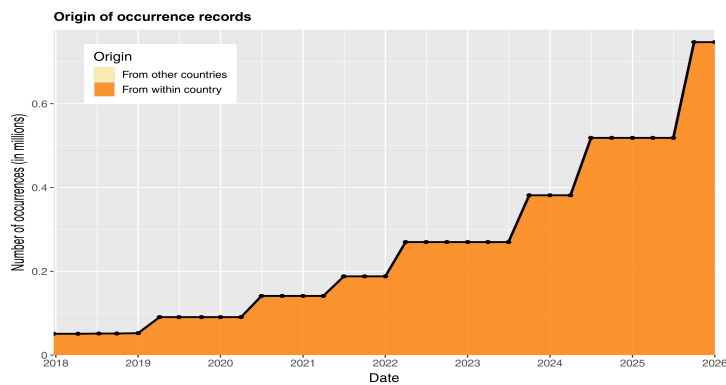


Number of occurrence records downloaded via
GBIF.org published by institutions in Zambia

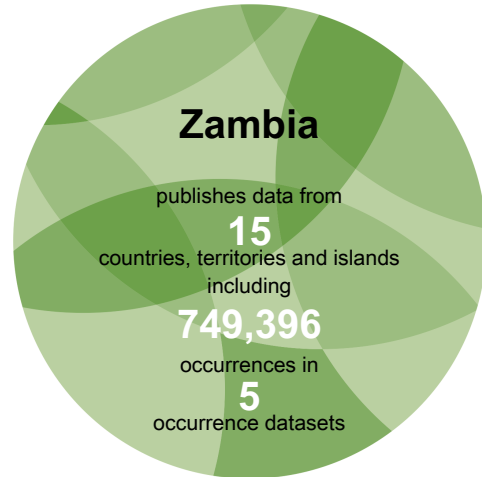


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Zambia

Rank	Country or area	No. of occurrences
1	Zambia	747,573
2	United Kingdom	186,687
3	United States of America	92,027
4	Netherlands	59,375
5	South Africa	38,600
6	Belgium	36,973
7	International organization or unknown country	20,485
8	Sweden	12,483
9	Estonia	11,082
10	Colombia	9,166

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

Top datasets contributing data about Zambia

- EOD – eBird Observation Dataset. *744,549 occurrences in Zambia.* (Last updated 29 Oct 2025)
- Royal Botanic Gardens, Kew - Herbarium Specimens. *87,195 occurrences in Zambia.* (Last updated 2 Jan 2026)
- Natural History Museum (London) Collection Specimens. *83,772 occurrences in Zambia.* (Last updated 14 Oct 2025)
- Observation.org, Nature data from around the World. *49,299 occurrences in Zambia.* (Last updated 16 Dec 2025)
- iNaturalist Research-grade Observations. *48,011 occurrences in Zambia.* (Last updated 31 Dec 2025)

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



Zambia participates in the following projects coordinated by GBIF

Mobilizing bat occurrence data in Zambia

BID: Biodiversity Information for Development, 2017–2019

<https://www.gbif.org/project/32mmLbZEtqiGQgiayAg6QQ>

See all GBIF projects

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