



generated January 2025

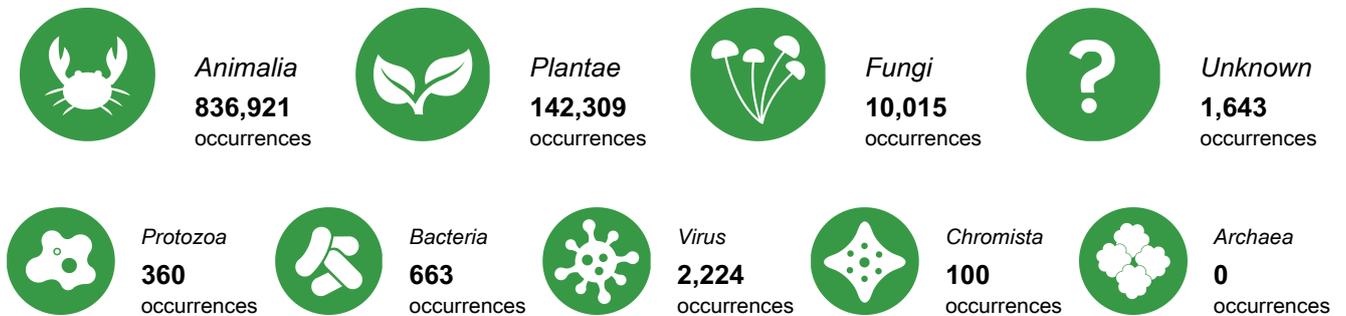
Zambia

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.

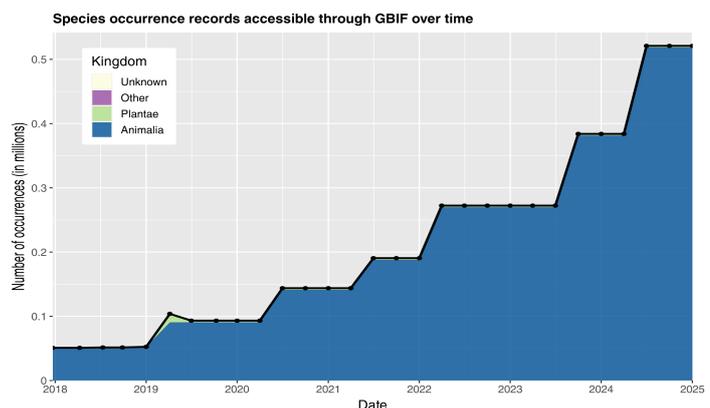
► Access and usage



► Data availability in Zambia



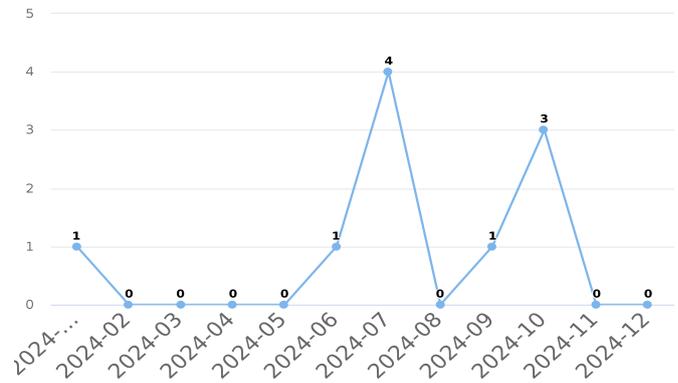
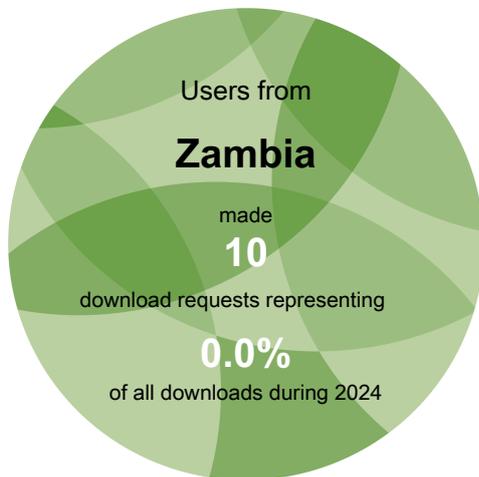
► Data mobilization



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

Access and usage

Data downloads on GBIF.org from users in Zambia



Monthly downloads requested by 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.

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>

Rivers-Moore, Paxton, Chivava *et al.* (2021) Aquatic areas of ecological importance as inputs into surface water resource protection areas in Zambia. *Aquatic Conservation: Marine and Freshwater Ecosystems*.

<https://doi.org/10.1002/aqc.3604>

Kennedy, Lang, Grimaldo *et al.* (2017) Niche-breadth of freshwater macrophytes occurring in tropical southern African rivers predicts species global latitudinal range. *Aquatic Botany*.

Data availability

Total data available for selected taxonomic groups in Zambia



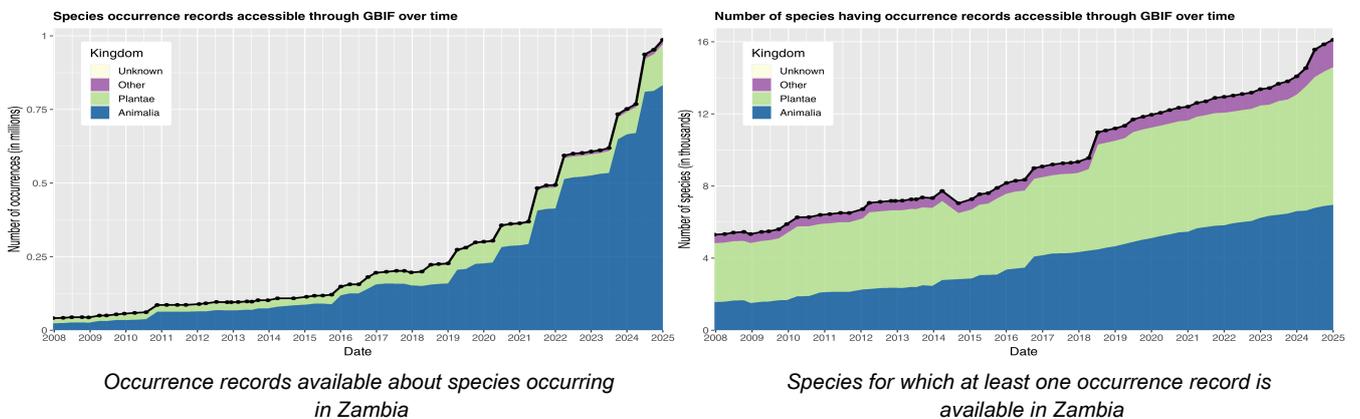
Mammals = Class *Mammalia*
 Birds = Class *Aves*
 Bony fish = Superclass
Osteichthyes p.p.
 Amphibians = Class *Amphibia*

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



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/dfc4dv>

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

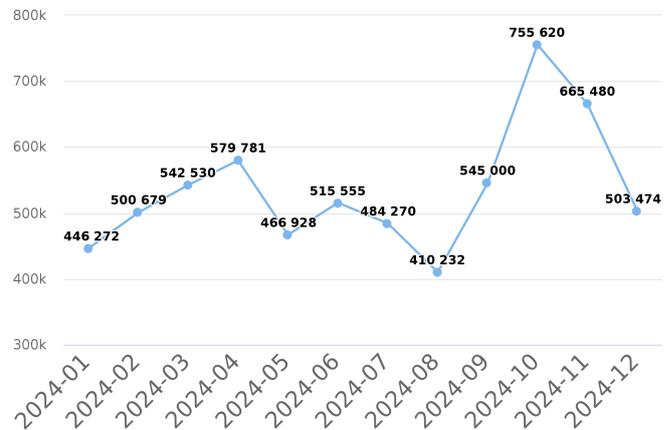
Newest publishers from Zambia

Livingstone Museum

SADC Plant Genetic Resources Centre

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

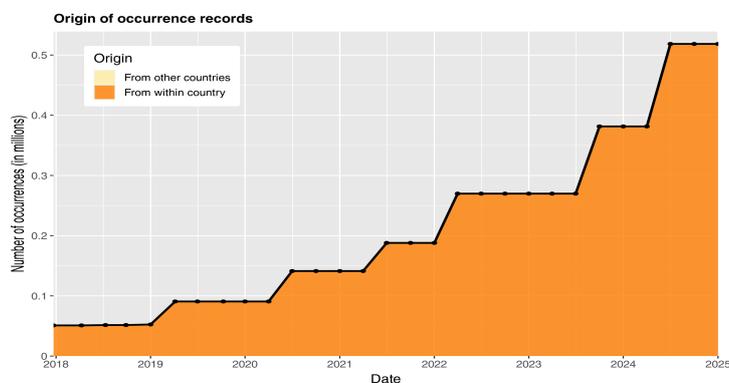
Occurrence records downloaded from GBIF.org, published by institutions in Zambia



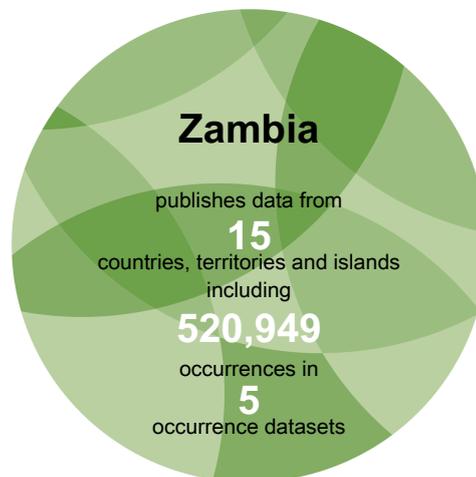
Number of occurrence records downloaded via GBIF.org published by institutions in Zambia

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	519,126
2	United Kingdom	148,951
3	South Africa	124,363
4	United States of America	76,594
5	Belgium	36,640
6	International organization or unknown country	16,362
7	Netherlands	14,327
8	Estonia	11,082
9	Colombia	9,166
10	Sweden	5,348

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

Top datasets contributing data about Zambia

EOD – eBird Observation Dataset. *516,102 occurrences in Zambia.* (Last updated 27 Sep 2024)

Southern African Bird Atlas Project 2. *85,795 occurrences in Zambia.* (Last updated 2 Jan 2025)

Natural History Museum (London) Collection Specimens. *74,967 occurrences in Zambia.* (Last updated 3 Jan 2025)

Royal Botanic Gardens, Kew - Herbarium Specimens. *60,523 occurrences in Zambia.* (Last updated 2 Jan 2025)

iNaturalist Research-grade Observations. *37,586 occurrences in Zambia.* (Last updated 30 Dec 2024)

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)