



generated January 2025

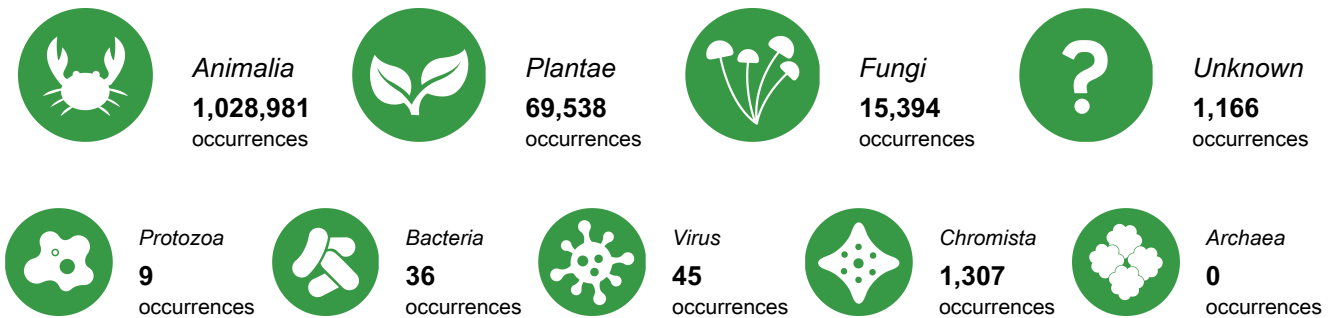
Botswana

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 Botswana. 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.

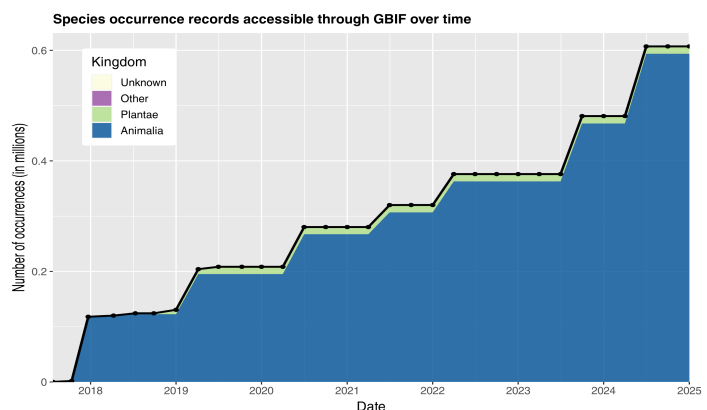
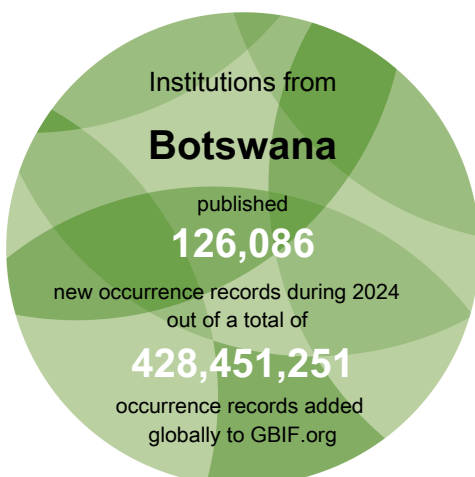
► Access and usage



► Data availability in Botswana



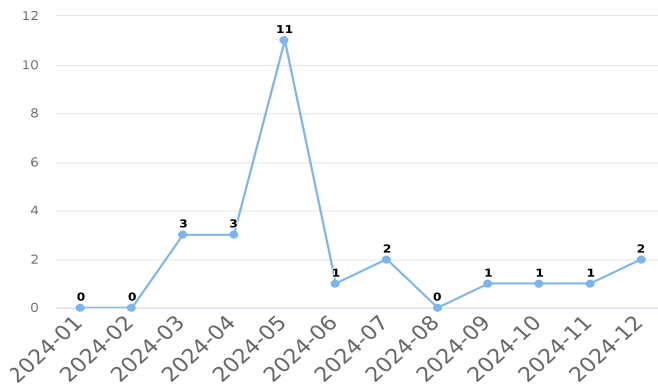
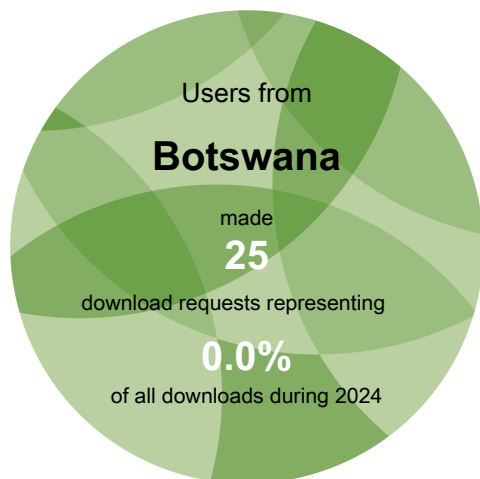
► Data mobilization



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

Access and usage

Data downloads on GBIF.org from users in Botswana



Monthly downloads requested by users in Botswana

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

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 Botswana.

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

Rapalai. (2024) An annotated checklist of molluscs recorded from Botswana. *Indago*.
<https://doi.org/10.5281/zenodo.13132605>

Tabo, Breuer, Fabia *et al.* (2024) A machine learning approach for modeling the occurrence of the major intermediate hosts for schistosomiasis in East Africa. *Scientific Reports*.
<https://doi.org/10.1038/s41598-024-54699-1>

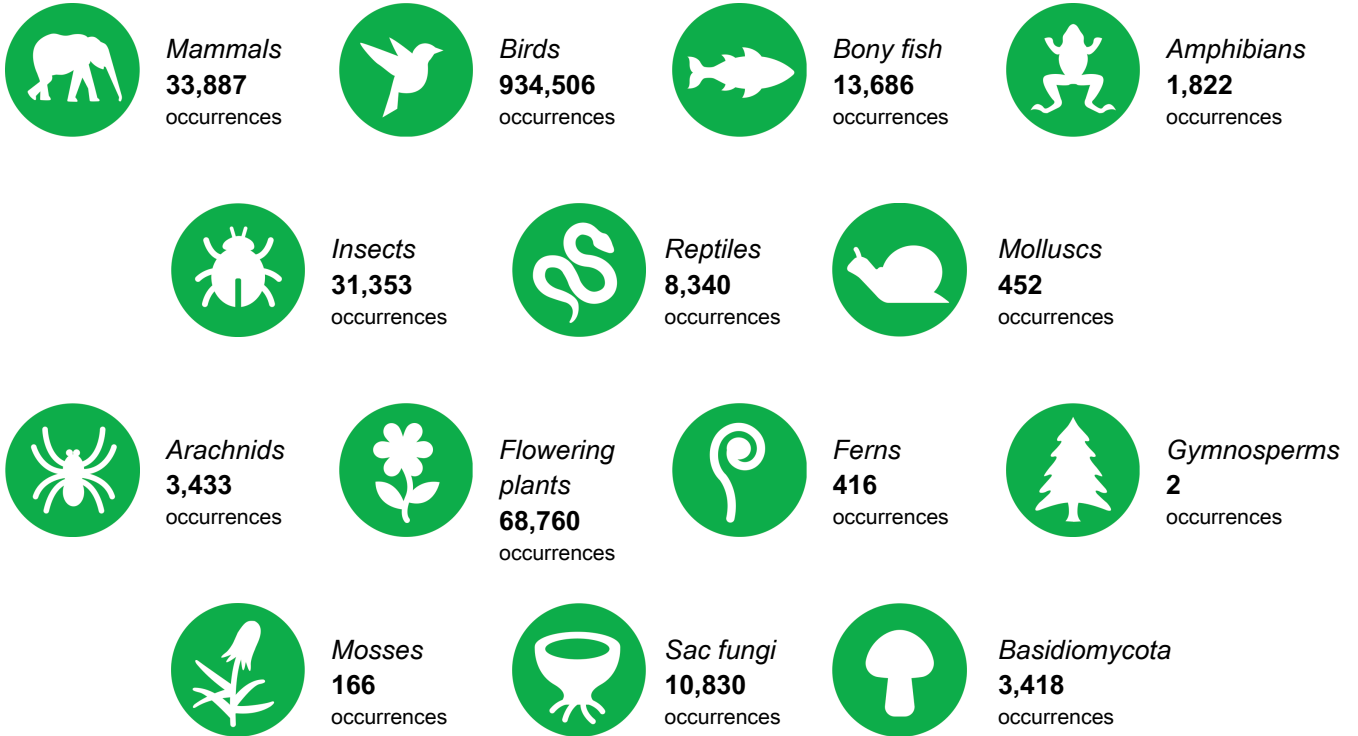
Moliner Cachazo, Makati, Chadwick *et al.* (2023) A review of the freshwater diversity in the Okavango Delta and Lake Ngami (Botswana): taxonomic composition, ecology, comparison with similar systems and conservation status. *Aquatic Sciences*.
<https://doi.org/10.1007/s00027-023-01008-z>

Kung, Mazhani, Steenhoff. (2013) Allergy in Botswana. *Current Allergy & Clinical Immunology*.

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

Data availability

Total data available for selected taxonomic groups in Botswana



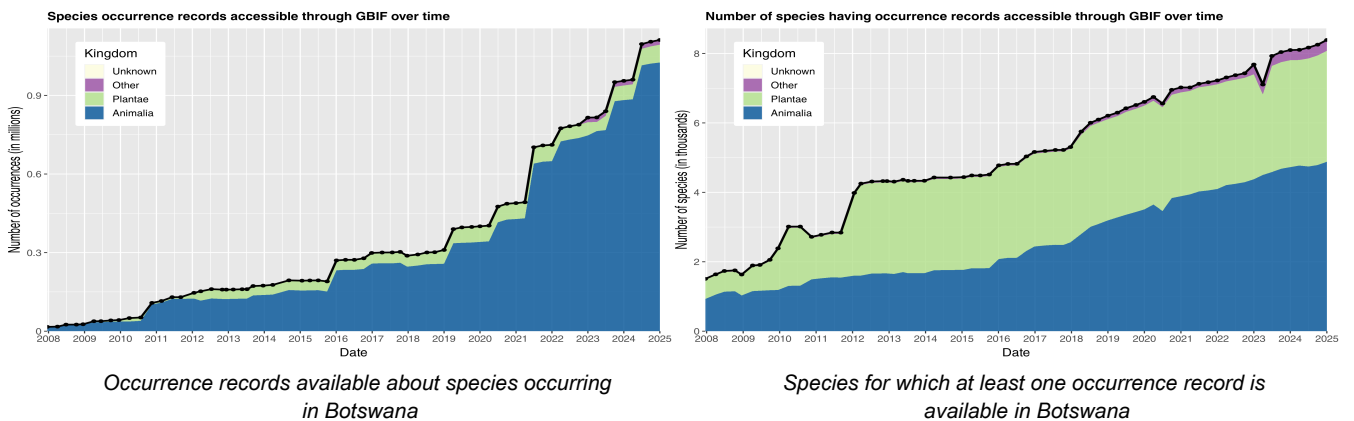
Mammals = Class *Mammalia*
 Birds = Class *Aves*
 Bony fish = Superclass *Osteichthyes* p.p.
 Amphibians = Class *Amphibia*

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 Botswana



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 Botswana

Some Botswana Traditional Medicinal Plants held at PSUB Herbarium. *Published by Okavango Research Institute*
<https://doi.org/10.15468/bmnd3f>

The Characeae held at PSUB Herbarium. *Published by Okavango Research Institute*
<https://doi.org/10.15468/2e4pzg>

Floodplain_Vegetation_Monitoring_by_Okavango_Research_Institute_2017_onward. *Published by Okavango Research Institute*
<https://doi.org/10.15468/cqd5fe>

Long Term Time-Series Data on Aquatic Macro-invertebrates Monitoring by Okavango Research Institute, Botswana. *Published by Okavango Research Institute*
<https://doi.org/10.15468/kcjzrw>

Kalahari woody vegetation Transect by Ringrose and Matheson (1995 - 2009). *Published by Okavango Research Institute*
<https://doi.org/10.15468/wwmzaa>

Riparian Vegetation Survey of Lower Okavango Delta by Ringrose and Matheson 1999. *Published by Okavango Research Institute*
<https://doi.org/10.15468/n5cepd>

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

Newest publishers from Botswana

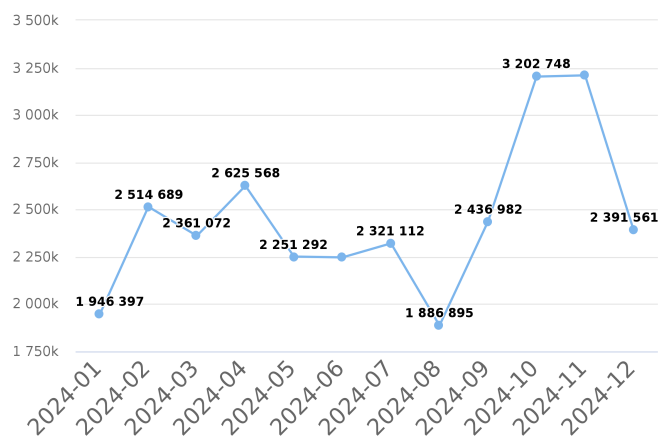
Okavango Research Institute

Botswana National Museum

Botswana Wildlife Management Association

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

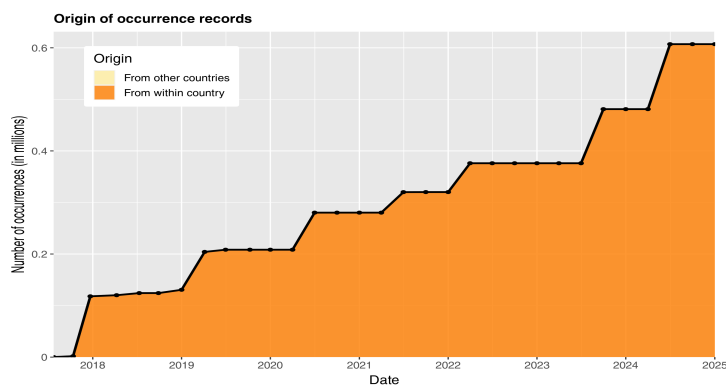
Occurrence records downloaded from GBIF.org, published by institutions in Botswana



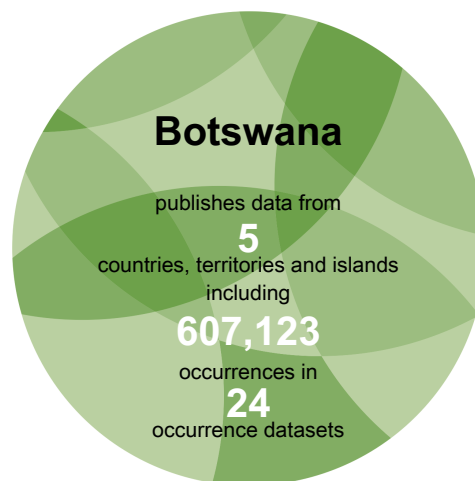
Number of occurrence records downloaded via GBIF.org published by institutions in Botswana

Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Botswana

Rank	Country or area	No. of occurrences
1	Botswana	607,043
2	South Africa	319,070
3	United States of America	96,363
4	Estonia	25,682
5	Netherlands	17,261
6	United Kingdom	16,732
7	Germany	7,512
8	Belgium	5,446
9	Finland	3,355
10	International organization or unknown country	3,077

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

Top datasets contributing data about Botswana

EOD – eBird Observation Dataset. *587,012 occurrences in Botswana.* (Last updated 27 Sep 2024)

Southern African Bird Atlas Project 2. *207,430 occurrences in Botswana.* (Last updated 2 Jan 2025)

iNaturalist Research-grade Observations. *66,229 occurrences in Botswana.* (Last updated 30 Dec 2024)

SAFRING: Historical Bird Ringing Records (2005-2009). *53,467 occurrences in Botswana.* (Last updated 22 Nov 2017)

Southern African Bird Atlas Project. *21,054 occurrences in Botswana.* (Last updated 6 Mar 2018)

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



Botswana participates in the following projects coordinated by GBIF

Data rescue for the records of the Botswana Wildlife Management Association

BID: Biodiversity Information for Development, 2016–2017

This project, a time-sensitive data rescue exercise, is intended to ensure continued access to legacy biodiversity data related to animals formerly hunted in Botswana.

<https://www.gbif.org/project/82758>

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