

generated January 2025

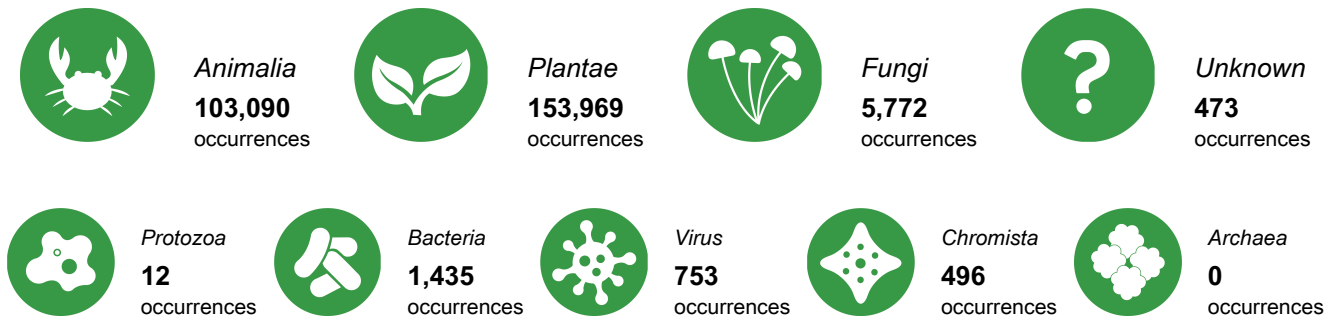
Burkina Faso

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 Burkina Faso. 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.

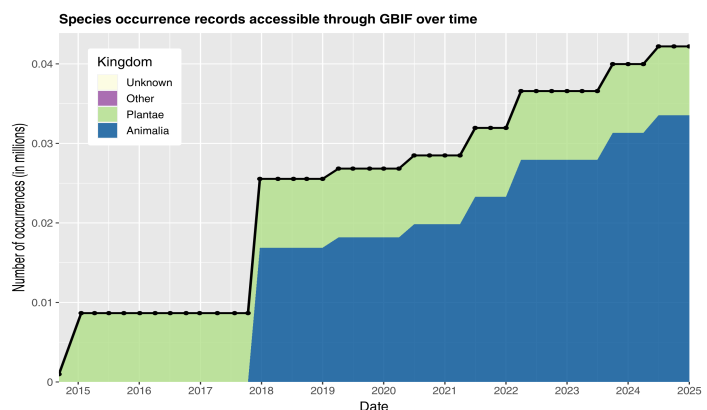
► Access and usage



► Data availability in Burkina Faso



► Data mobilization

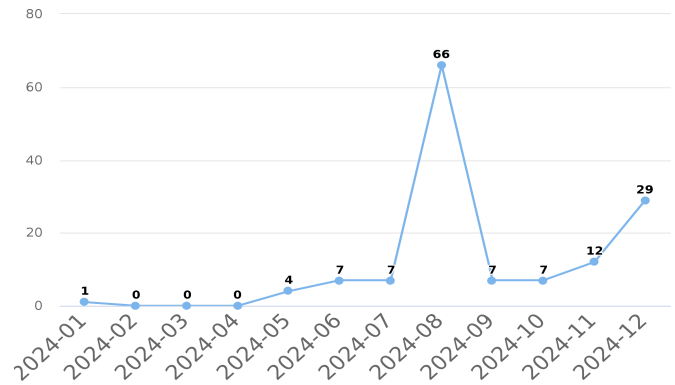
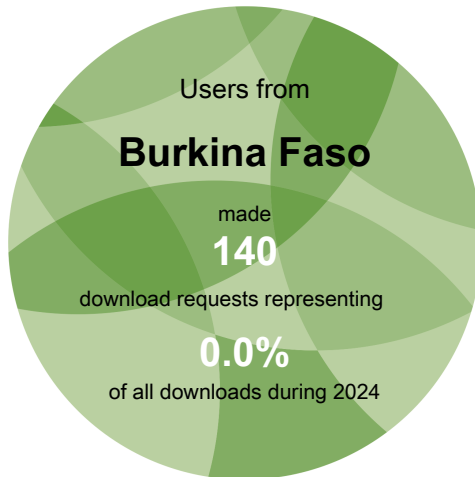


Number of records published by institutions in Burkina Faso, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Burkina Faso



Monthly downloads requested by users in Burkina Faso

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

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 Burkina Faso.

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

Dogbo, Salako, Agoundé *et al.* (2024) Potential impacts of future climate on twelve key multipurpose tree species in Benin: Insights from species distribution modeling for biodiversity conservation. *Trees, Forests and People*.

<https://doi.org/10.1016/j.tfp.2024.100744>

Taonda, Zerbo, Da *et al.* (2024) Potential distribution of *Detarium microcarpum* under different climate change scenarios in Burkina Faso. *Journal for Nature Conservation*.

<https://doi.org/10.1016/j.jnc.2024.126737>

Kanda, Da, Maârrouhi *et al.* (2024) Assessment of Climate Change Impact on Future Distribution of Palm Trees in Niger, West Africa. *Discover Sustainability*.

<https://doi.org/10.1007/s43621-024-00387-z>

Tietiambou, Idohou, Agounde *et al.* (2024) Modelling the potential impact of climate change on *Carapa procera* DC. in Benin and Burkina Faso (West Africa). *Modeling Earth Systems and Environment*.

<https://doi.org/10.1007/s40808-023-01946-5>

Ayoro, Nicolas, Segniagbeto *et al.* (2023) Potential impact of climate change on spatial distribution of two savannah amphibian species in West Africa. *African Journal of Ecology*.

<https://doi.org/10.1111/aje.13187>

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



Data availability

Total data available for selected taxonomic groups in Burkina Faso



Mammals
8,266
occurrences



Birds
38,153
occurrences



Bony fish
1,542
occurrences



Amphibians
808
occurrences



Insects
51,429
occurrences



Reptiles
312
occurrences



Molluscs
40
occurrences



Arachnids
267
occurrences



Flowering plants
153,494
occurrences



Ferns
305
occurrences



Gymnosperms
1
occurrences



Mosses
22
occurrences



Sac fungi
2,870
occurrences



Basidiomycota
2,548
occurrences

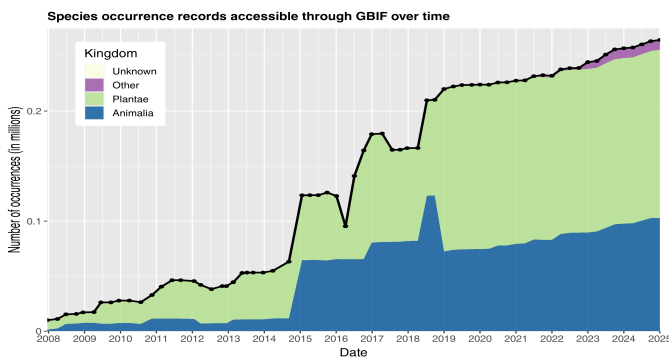
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

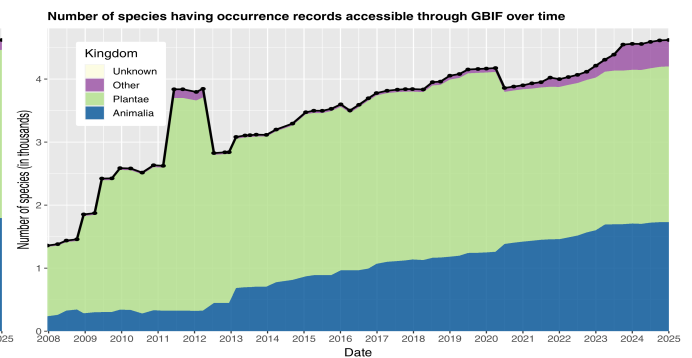
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Burkina Faso



Occurrence records available about species occurring in Burkina Faso



Species for which at least one occurrence record is available in Burkina Faso

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 Burkina Faso

Herbier CNRST/INERA. *Published by CNRST/INERA*
<https://doi.org/10.15468/wbmr7c>

Herbier_CNSF. *Published by SP/CONEDD-DCIME*
<https://doi.org/10.15468/mnys1f>

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

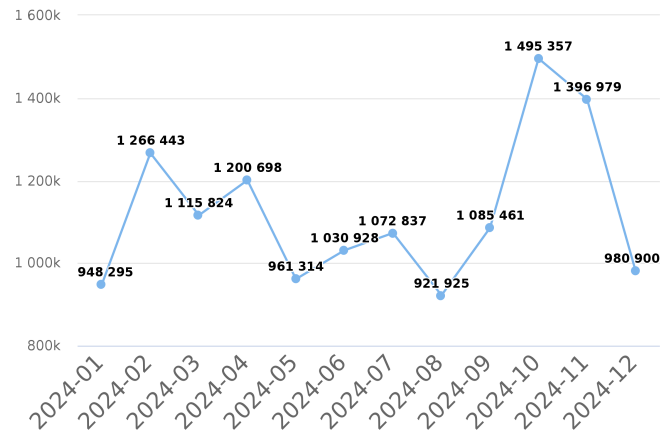
Newest publishers from Burkina Faso

CNRST/INERA

SP/CONEDD-DCIME

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

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

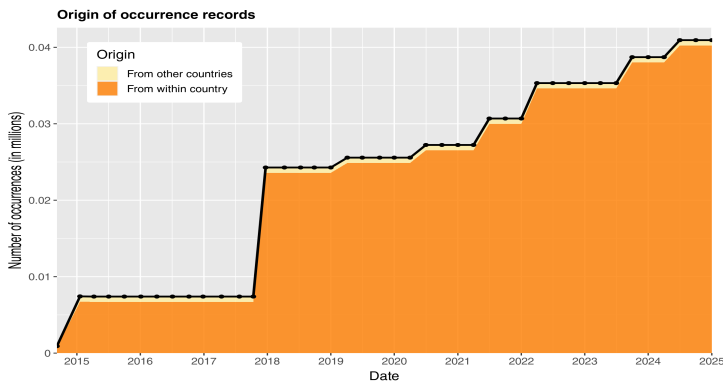


Number of occurrence records downloaded via GBIF.org published by institutions in Burkina Faso

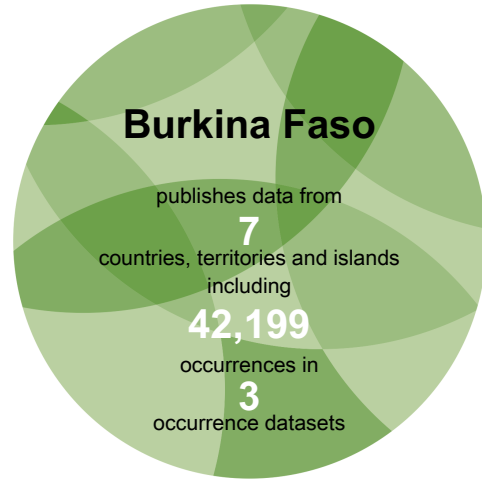


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Burkina Faso

Rank	Country or area	No. of occurrences
1	France	72,563
2	Germany	55,802
3	Côte d'Ivoire	42,404
4	Burkina Faso	40,520
5	United States of America	12,263
6	Colombia	6,606
7	Belgium	6,099
8	Estonia	4,868
9	United Kingdom	4,629
10	Netherlands	4,266

Table 1. Ranking of countries or areas contributing data about Burkina Faso

Top datasets contributing data about Burkina Faso

FLOTROP, a massive contribution to plant diversity data for open ecosystems in Tropical Africa.. *60,358 occurrences in Burkina Faso.* (Last updated 28 Aug 2019)

Managing West African Bees in the implementation of a first reference collection: Bees caught in three areas of Burkina Faso. *40,914 occurrences in Burkina Faso.* (Last updated 12 Oct 2018)

West African Vegetation Database. *37,081 occurrences in Burkina Faso.* (Last updated 12 Sep 2022)

EOD – eBird Observation Dataset. *33,541 occurrences in Burkina Faso.* (Last updated 27 Sep 2024)

Herbarium Senckenbergianum (FR). *10,684 occurrences in Burkina Faso.* (Last updated 12 Sep 2022)

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



Burkina Faso participates in the following projects coordinated by GBIF

International workshop on invasive species in the sub-Saharan area

Capacity Enhancement Support Programme, 2014–2015

This bilingual regional training event will promote knowledge exchange between biodiversity experts and establish a coordinated early warning and response network for invasive alien species across the entire sub-Saharan region (Maghreb and Sahel).

<https://www.gbif.org/project/82223>

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