



generated January 2025

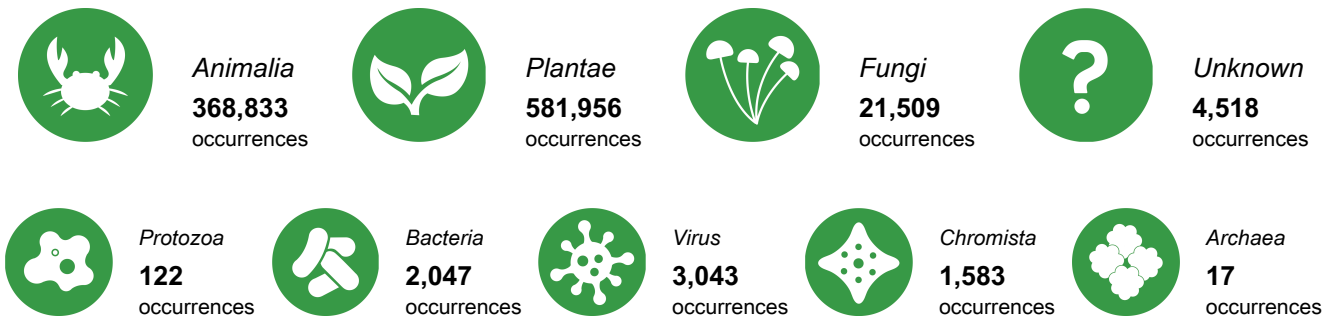
## Cameroon

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 Cameroon. 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.

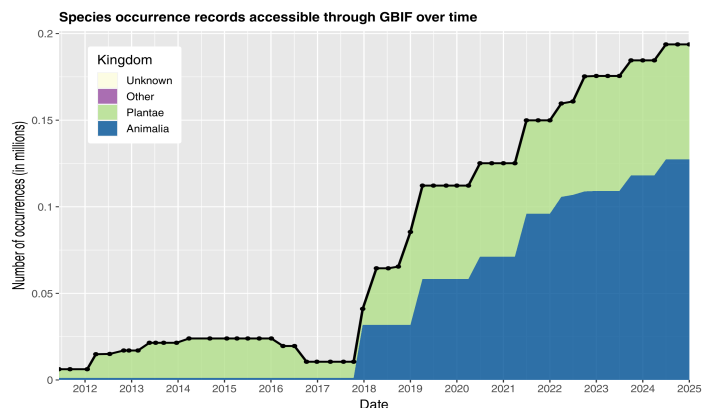
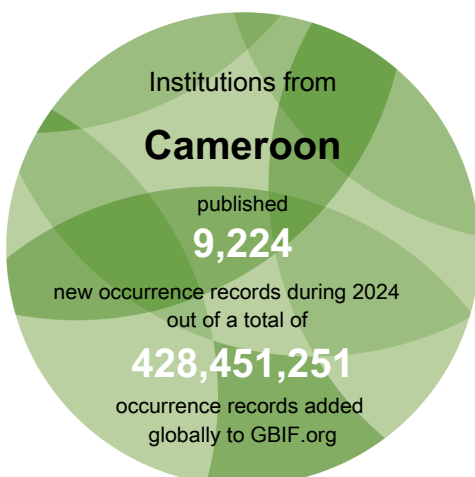
### ► Access and usage



### ► Data availability in Cameroon



### ► Data mobilization

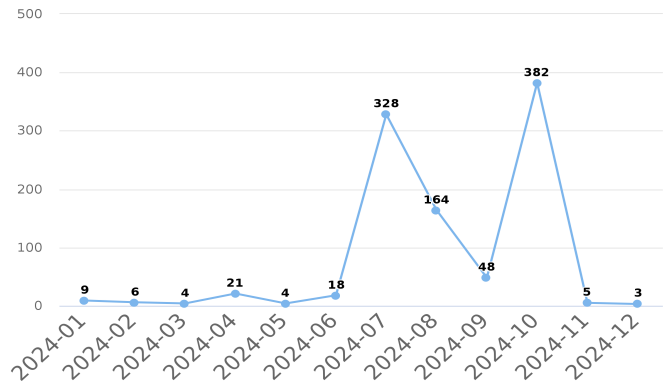
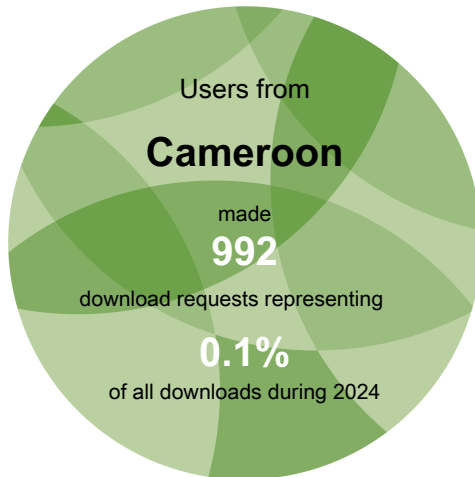


Number of records published by institutions in Cameroon, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in Cameroon



Monthly downloads requested by users in Cameroon

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

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 Cameroon.

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

Stone, Tchiengué, Cheek. (2024) The endemic plant species of Ebo Forest, Littoral Region, Cameroon, with a new Critically Endangered cloud forest shrub, *Memecylon ebo* (Melastomataceae-Olisbeoideae). *Kew Bulletin*.

<https://doi.org/10.1007/s12225-024-10223-2>

Hordijk, Bialic-Murphy, Lauber *et al.* (2024) Dominance and rarity in tree communities across the globe: Patterns, predictors and threats. *Global Ecology and Biogeography*.

<https://doi.org/10.1111/geb.13889>

Ovaskainen, Abrego, Furneaux *et al.* (2024) Global Spore Sampling Project: A global, standardized dataset of airborne fungal DNA. *Scientific Data*.

<https://doi.org/10.1038/s41597-024-03410-0>

Omuse, Tonnang, Yusuf *et al.* (2024) The global atlas of edible insects: Analysis of diversity and commonality contributing to food systems and sustainability. *Scientific Reports*.

<https://doi.org/10.1038/s41598-024-55603-7>

Meltus, Mudereri, Mutamiswa *et al.* (2024) Host tree-based scenario modelling for predicting a key edible insect, mopane worm *Gonimbrasia belina* (Westwood, 1894) distribution in Southern Africa. *Journal of Insects as Food and Feed*.

<https://doi.org/10.1163/23524588-00001055>

See all research from this country or area  
[gbif.org/country/CM/publications/from](https://gbif.org/country/CM/publications/from)



## Data availability

### Total data available for selected taxonomic groups in Cameroon



**Mammals**  
17,980  
occurrences



**Birds**  
146,296  
occurrences



**Bony fish**  
39,012  
occurrences



**Amphibians**  
31,589  
occurrences



**Insects**  
93,133  
occurrences



**Reptiles**  
19,852  
occurrences



**Molluscs**  
3,350  
occurrences



**Arachnids**  
3,258  
occurrences



**Flowering plants**  
559,766  
occurrences



**Ferns**  
12,452  
occurrences



**Gymnosperms**  
496  
occurrences



**Mosses**  
5,072  
occurrences



**Sac fungi**  
8,388  
occurrences



**Basidiomycota**  
11,236  
occurrences

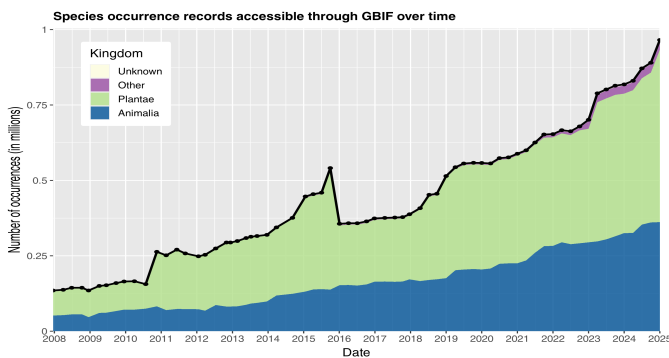
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

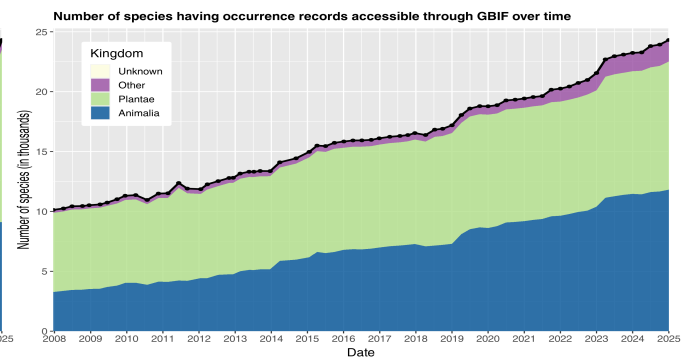
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

## Change over time in records about biodiversity in Cameroon



Occurrence records available about species occurring in Cameroon



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

### 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 Cameroon

Bycaught sea turtles in southsern coasline of Cameroon. *Published by RASTOMA: Réseau des Acteurs et professionnels de la Sauvegarde des Tortues Marines en Afrique Centrale*  
<https://doi.org/10.15468/jqz4rr>

saison de pontes 2018-2019 sud Cameroun. *Published by RASTOMA: Réseau des Acteurs et professionnels de la Sauvegarde des Tortues Marines en Afrique Centrale*  
<https://doi.org/10.15468/rcvtke>

Données d'occurrence des espèces animales et végétales identifiées sur certains sites de reboisement dans le région de l'Extrême-Nord du Cameroun. *Published by GBIF Cameroon*  
<https://doi.org/10.15468/qtfdez>

Données d'observations des capture accidentelles de tortues marines sur la cote sud camerounaise. *Published by RASTOMA: Réseau des Acteurs et professionnels de la Sauvegarde des Tortues Marines en Afrique Centrale*  
<https://doi.org/10.15468/cj7v5r>

Diversité de la faune aviaire dans la Réserve Forestière de Kalfou et sa zone périphérique, Extrême-Nord, Cameroun. *Published by University of Maroua*  
<https://doi.org/10.15468/x7749v>

See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=CM](https://gbif.org/dataset/search?publishing_country=CM)

## Newest publishers from Cameroon

RASTOMA: Réseau des Acteurs et professionnels de la Sauvegarde des Tortues Marines en Afrique Centrale

University of Maroua

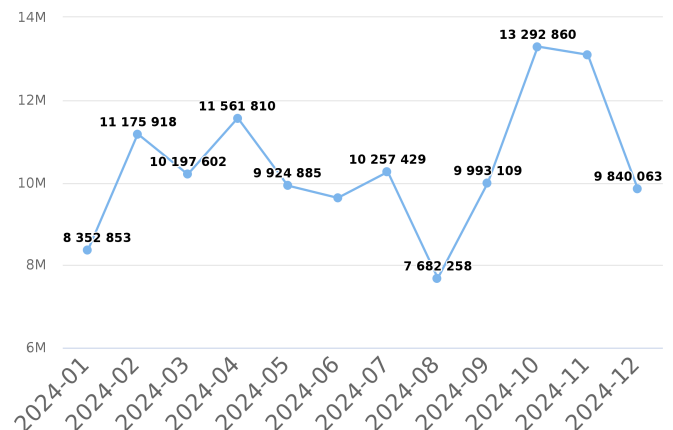
IUCN, Cameroon

International Institute of Tropical Agriculture

Faculty of Science, University of Douala

See all publishers from this country or area  
[gbif.org/publisher/search?country=CM](https://gbif.org/publisher/search?country=CM)

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

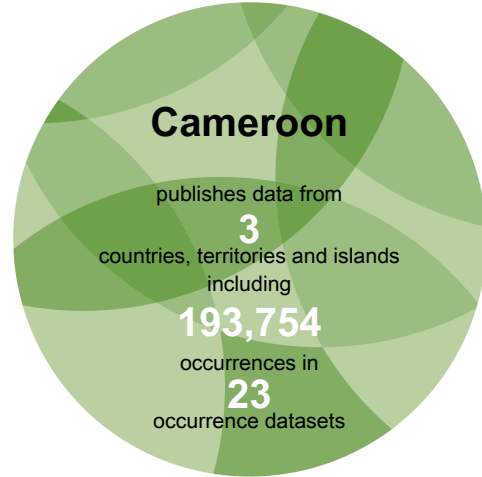
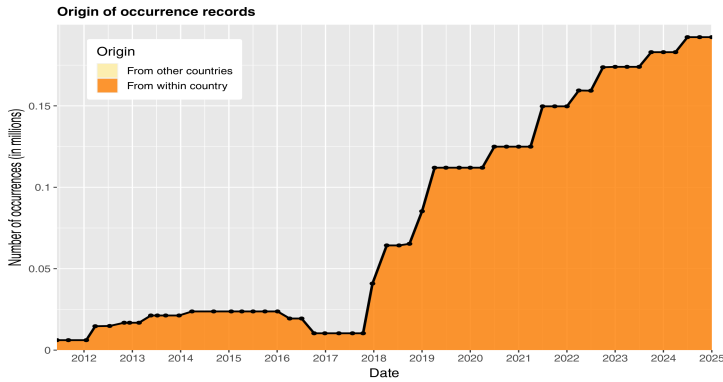


Number of occurrence records downloaded via GBIF.org published by institutions in Cameroon



## Data mobilization

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



Data sharing with country or area of origin

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

### Top data contributors about biodiversity in Cameroon

Rank	Country or area	No. of occurrences
1	United States of America	204,361
2	Cameroon	192,367
3	United Kingdom	94,057
4	Netherlands	92,906
5	France	79,099
6	Togo	65,588
7	Belgium	61,397
8	Sweden	34,579
9	Germany	27,691
10	International organization or unknown country	26,815

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

### Top datasets contributing data about Cameroon

EOD – eBird Observation Dataset. 114,455 occurrences in Cameroon. (Last updated 27 Sep 2024)

Naturalis Biodiversity Center (NL) - Botany. 87,504 occurrences in Cameroon. (Last updated 1 Nov 2024)

Tropicos Specimens Non-MO. 82,334 occurrences in Cameroon. (Last updated 4 Jan 2025)

Collections des Herbiers d'Afrique de l'Ouest et d'Afrique Centrale. 65,586 occurrences in Cameroon. (Last updated 9 Dec 2024)

Royal Botanic Gardens, Kew - Herbarium Specimens. 62,682 occurrences in Cameroon. (Last updated 2 Jan 2025)

See all contributing countries and areas or datasets: [gbif.org/country/CM/about](https://gbif.org/country/CM/about)



## Cameroon participates in the following projects coordinated by GBIF

### Mentoring of GBIF Cameroon by GBIF Benin and GBIF France

*Capacity Enhancement Support Programme, 2021–2022*

<https://www.gbif.org/project/CESP2021-002>

### Using the CBD Clearing-House Mechanism to strengthen biodiversity data acquisition and data sharing

*Capacity Enhancement Support Programme, 2019–2020*

A new content management system, Bioland Tool, could use the Convention on Biological Diversity's CHM network and infrastructure to improve biodiversity data sharing

<https://www.gbif.org/project/79ZRBGx5dNXYpR2ijHKebK>

### Enhancing the capacity of civil societies for creating a unified marine turtle database in Cameroon

*BID: Biodiversity Information for Development, 2021–2023*

<https://www.gbif.org/project/BID-AF2020-138-INS>

### Mobilization of diversity data on bees in Cameroon

*BID: Biodiversity Information for Development, 2016–2017*

This project increases availability of data on the diversity of bee species in Cameroon and contributes to the sustainable development the country's beekeeping sector.

<https://www.gbif.org/project/82643>

### Developing an Accessible Biodiversity Information System for Sustainable Development in Cameroon

*BID: Biodiversity Information for Development, 2017–2019*

Cameroon is known as a biodiversity rich country in Africa, and efforts are made by the government to maintain this situation, and reduce the on-going loss and degradation of species and ecosystems. Yet, these efforts have been hindered by the low accessibility of the existing biodiversity-related information by all actors in the country. This project aims at improving access to accurate information in a view to enhance the mainstreaming of biodiversity into conservation and development planning, and strengthen the country's contribution to the global biodiversity information facility.

<https://www.gbif.org/project/4ncbmVRvyUImEmU0YcSyci>

### Mobilization of biodiversity data related to protected areas and threatened species in Western Cameroon

*BID: Biodiversity Information for Development, 2017–2019*

Western Cameroon is the nucleus of a global biodiversity hotspot, with numerous endemic and threatened plant and animal species. Although Cameroon has established several protected areas in the region, this process has taken place in the absence of data-driven prioritization analyses for lack of biodiversity data resources on which to base decision-making.

This project aims to bolster efforts, assemble a representative and comprehensive database for the plants of the region, with which to characterize and document their endemism and threatened status.

<https://www.gbif.org/project/3lwfw8lXywYoYkaglloms>

### Data mobilization for crop protection against native and invasive pest species for sustainable agricultural production in Cameroon

*BID: Biodiversity Information for Development, 2017–2019*

This project is to mobilize biodiversity information embedded on specimens in three agricultural insect collections in Cameroon – (1) at the Institute of Agricultural Research for Development (IRAD), (2) at the International Institute of Tropical Agriculture (IITA) and Congo Basin Institute (CBI) in Yaoundé, (3) newly established Insect collection at the University of Douala (UDL) and from associated literature to make it publicly available and help in the management of native and introduced pests in Cameroon.

The information produce will contribute to the promptly management of these insect pests by crop protection specialists from the Ministry of Agriculture and Rural development

<https://www.gbif.org/project/458mT6BTvmEEk4G2Y4MsMU>

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