



generated January 2025

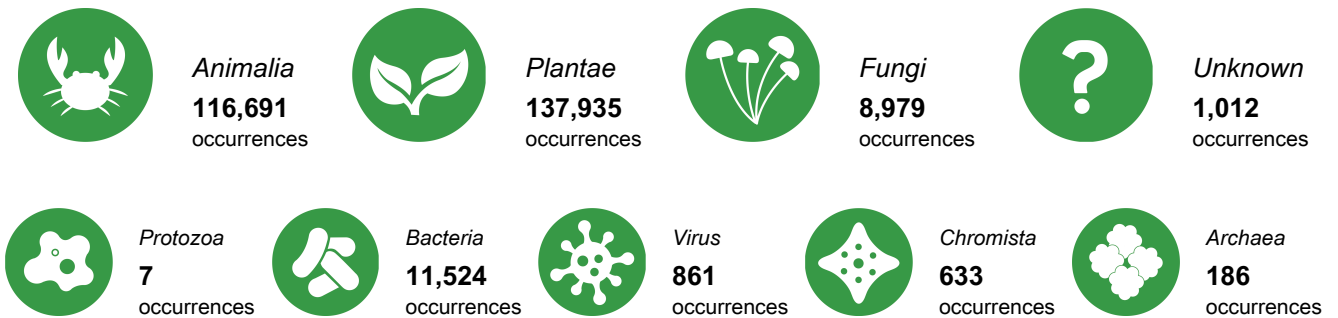
Guinea

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 Guinea. 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.

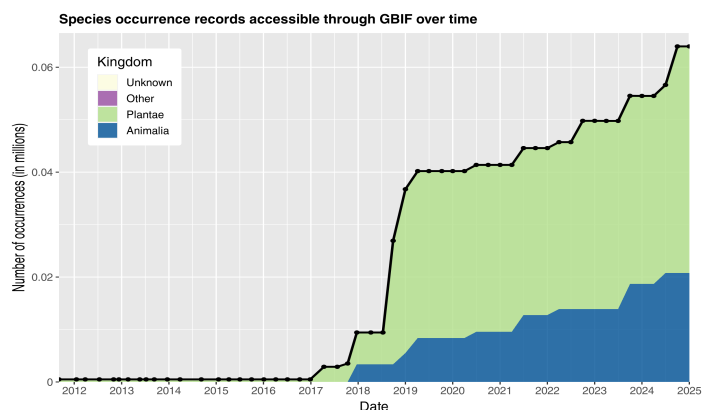
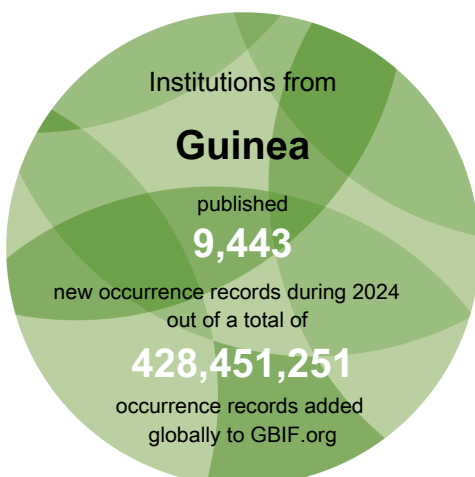
► Access and usage



► Data availability in Guinea



► Data mobilization

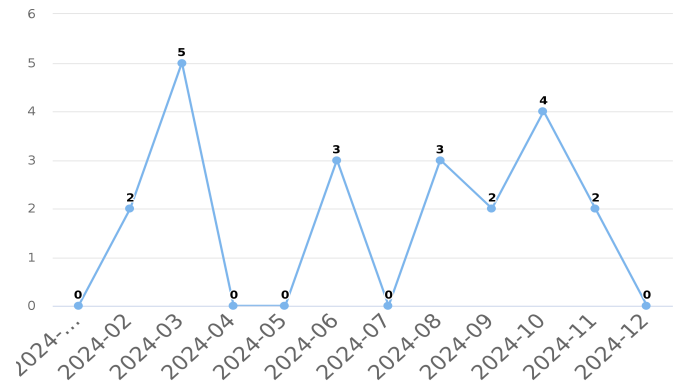
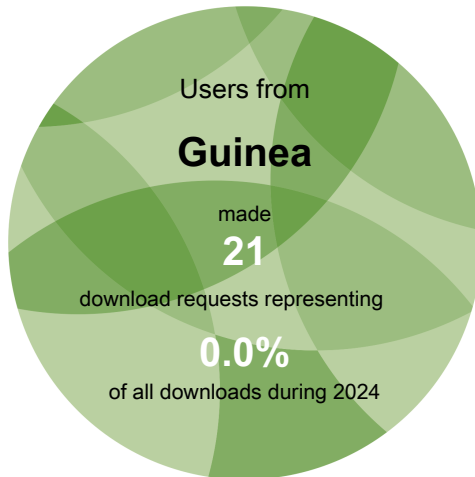


Number of records published by institutions in Guinea, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Guinea



Monthly downloads requested by users in Guinea

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

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 Guinea.

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

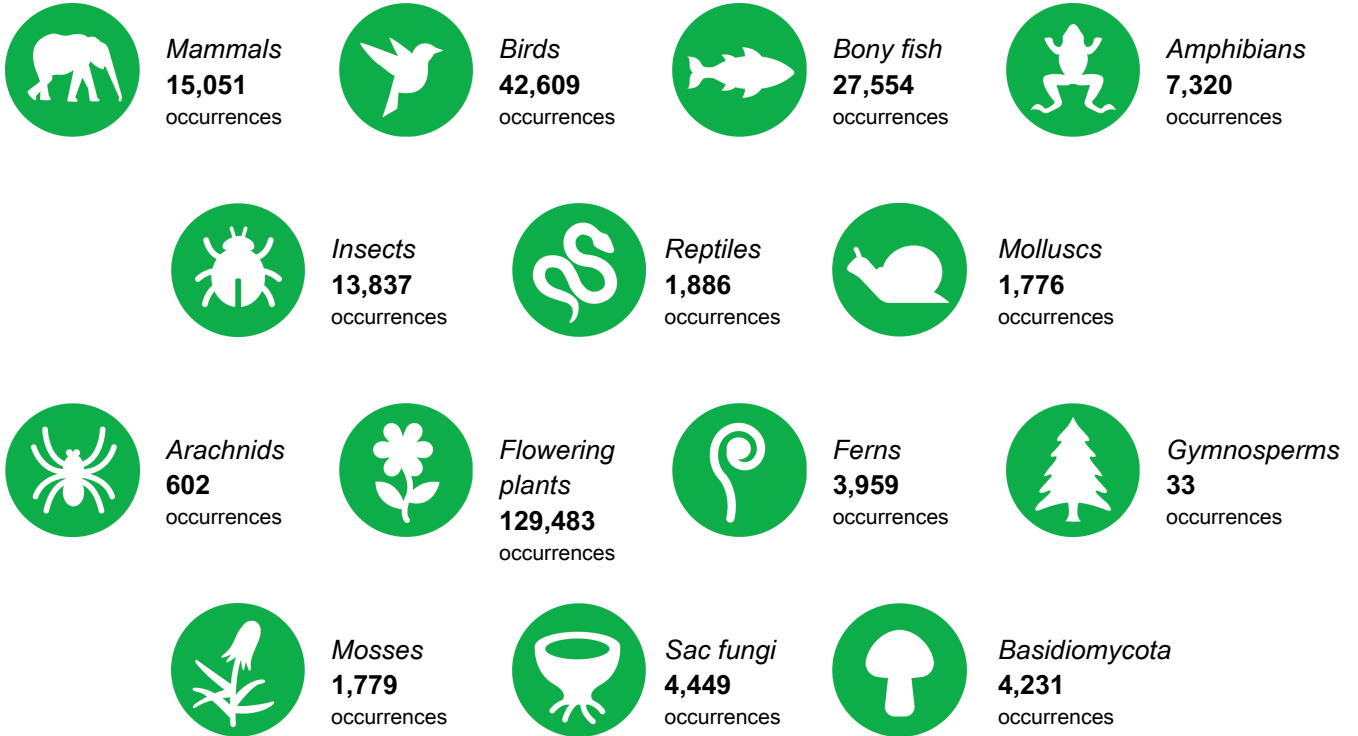
Gosline, Bidault, van der Burgt *et al.* (2023) A Taxonomically-verified and Vouchered Checklist of the Vascular Plants of the Republic of Guinea. *Scientific Data*.

<https://doi.org/10.1038/s41597-023-02236-6>

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

Data availability

Total data available for selected taxonomic groups in Guinea



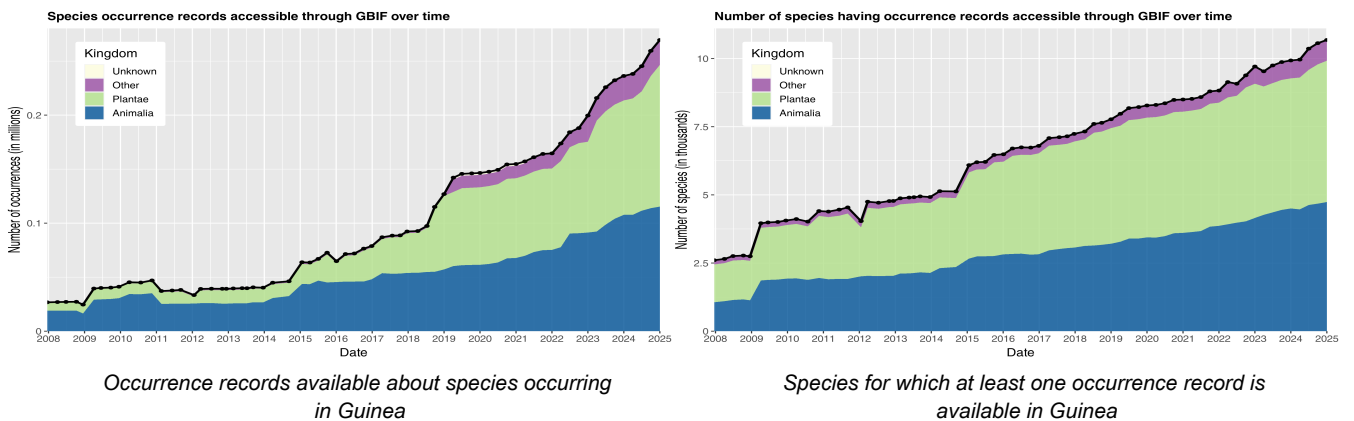
Mammals = Class *Mammalia*
 Birds = Class *Aves*
 Bony fish = Superclass
Osteichthyes p.p.
 Amphibians = Class *Amphibia*

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 Guinea



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 Guinea

Floristic data collected by RBG Kew and Herbar National de Guinée during surveys in Guinea between 2007 and 2011. *Published by Herbar National de Guinée (HNG)*
<https://doi.org/10.15468/ja875d>

Floristic data collected by RBG Kew and Herbar National de Guinée during surveys in Guinea between 2005 and 2019. *Published by Herbar National de Guinée (HNG)*
<https://doi.org/10.15468/vxtb8a>

Checklist of the Vascular Plants of the Republic of Guinea. *Published by Herbar National de Guinée (HNG)*
<https://doi.org/10.15468/f5gb45>

La liste (3) Rouge des plantes menacées de la Guinée. *Published by Herbar National de Guinée (HNG)*
<https://doi.org/10.15468/fyscsm>

PROJET DE CONSTRUCTION D'UNE ROUTE DE TRANSPORT DES MINERAIS DE BAUXITE DE GAC: EIES, inventaire des amphibiens (CESP2016-022) *Published by Guinée Ecologie*
<https://doi.org/10.15468/5ean1h>

Etude d'état initial de la biodiversité dans le cadre des EIES sur les plateaux situés dans la zone (Wossou) sud de la concession minière de Guinea Alumina Corporation (GAC) dans la region de Boké (CESP2016-022). *Published by Guinée Ecologie*
<https://doi.org/10.15468/pzbn3s>

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

Newest publishers from Guinea

Direction nationale des Eaux et forêts

Centre d'Etude et de Recherche en Environnement (CERE)

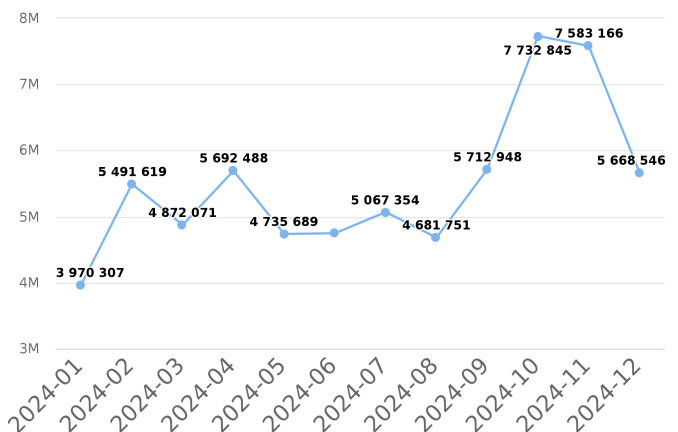
Herbar National de Guinée (HNG)

Institut de Recherche Agronomique de Guinée (IRAG)

Guinée Ecologie

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

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

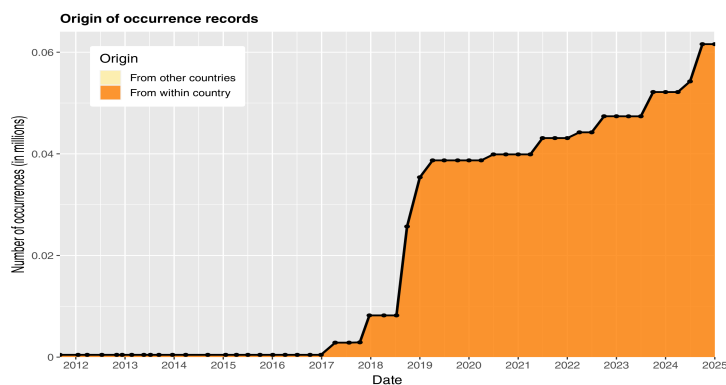


Number of occurrence records downloaded via
GBIF.org published by institutions in Guinea

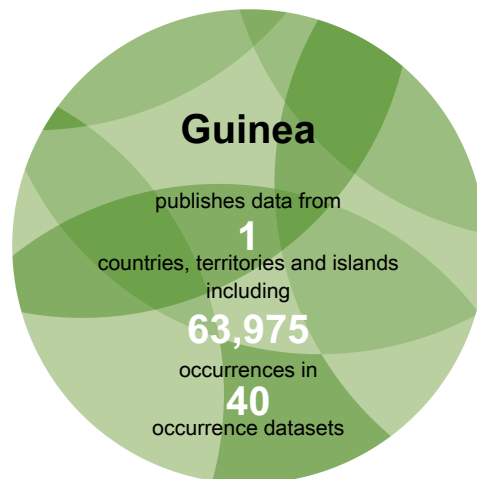


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Guinea

Rank	Country or area	No. of occurrences
1	Guinea	63,958
2	United States of America	50,962
3	France	43,402
4	United Kingdom	28,467
5	Belgium	19,418
6	Sweden	15,016
7	Netherlands	13,349
8	Estonia	6,648
9	Poland	6,301
10	Spain	5,275

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

Top datasets contributing data about Guinea

Tropicos Specimens Non-MO. 27,550 occurrences in Guinea. (Last updated 4 Jan 2025)

EOD – eBird Observation Dataset. 18,623 occurrences in Guinea. (Last updated 27 Sep 2024)

Inventaire botanique et étude ethnobotanique des espèces végétales du Jardin Botanique de l'Institut de Recherche Agronomique de Guinée (BID-AF2015-0066-REG). 16,067 occurrences in Guinea. (Last updated 4 Sep 2018)

FishBase Database. 13,210 occurrences in Guinea. (Last updated 23 Mar 2023)

Comparative 16S analysis of hydrothermal vent samples from the Mid-Atlantic Ridge (MAR). 11,765 occurrences in Guinea. (Last updated 19 Feb 2020)

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



Guinea participates in the following projects coordinated by GBIF

Stimulate Guinea biodiversity information network

Capacity Enhancement Support Programme, 2016–2017

This Francophone project provides mentoring support for specimen and observation holders while completing the digitization and publication of collections from two herbaria in Guinea.

<https://www.gbif.org/project/82835>

Towards a Red List of the globally threatened plants of Guinea

BID: Biodiversity Information for Development, 2016–2018

This project aims to mobilize the wealth of data held in herbaria and literature on Guinea's plant species.

<https://www.gbif.org/project/82721>

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>

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