

generated January 2025

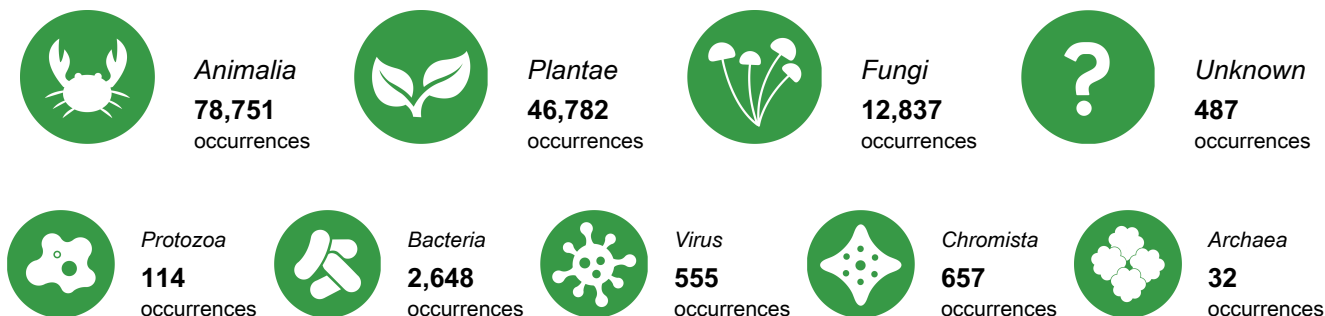
Sierra Leone

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 Sierra Leone. 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.

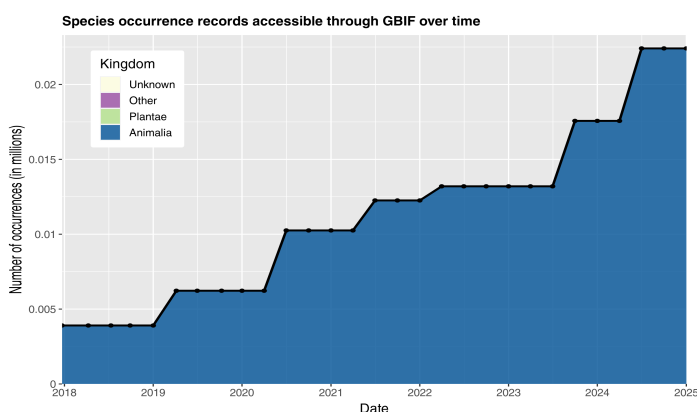
► Access and usage



► Data availability in Sierra Leone



► Data mobilization

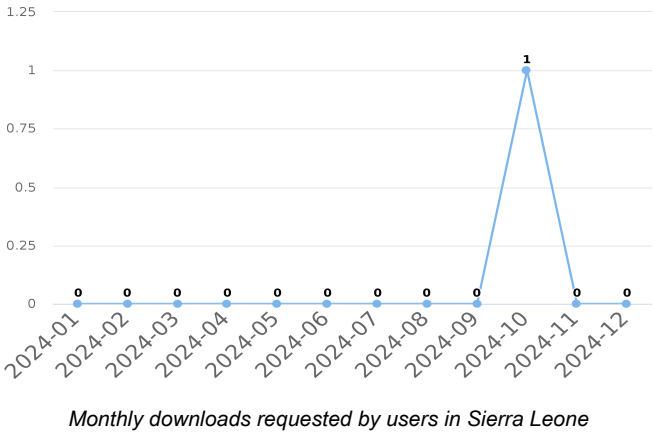
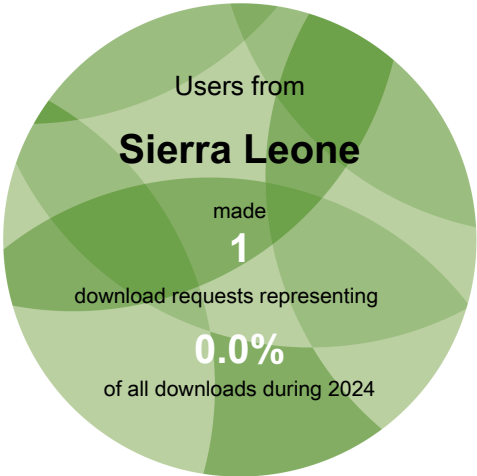


Number of records published by institutions in Sierra Leone, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Sierra Leone



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

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 Sierra Leone.

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

Freeman, Jiménez-García, Barca *et al.* (2019) Using remotely sensed and climate data to predict the current and potential future geographic distribution of a bird at multiple scales: the case of *Agelastes meleagrides*, a western African forest endemic. *Avian Research*.
<https://doi.org/10.1186/s40657-019-0160-y>

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



Data availability

Total data available for selected taxonomic groups in Sierra Leone



Mammals
6,093
occurrences



Birds
26,405
occurrences



Bony fish
17,977
occurrences



Amphibians
3,325
occurrences



Insects
14,383
occurrences



Reptiles
944
occurrences



Molluscs
1,497
occurrences



Arachnids
171
occurrences



Flowering plants
44,557
occurrences



Ferns
1,168
occurrences



Gymnosperms
1
occurrences



Mosses
473
occurrences



Sac fungi
9,239
occurrences



Basidiomycota
2,844
occurrences

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

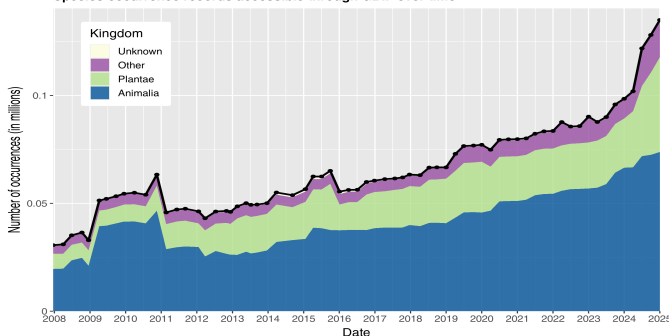
Insects = Class *Insecta*
Reptiles = Class *Testudines*,
Sphenodontia, *Squamata* &
Crocodylia
Molluscs = Phylum *Mollusca*

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

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

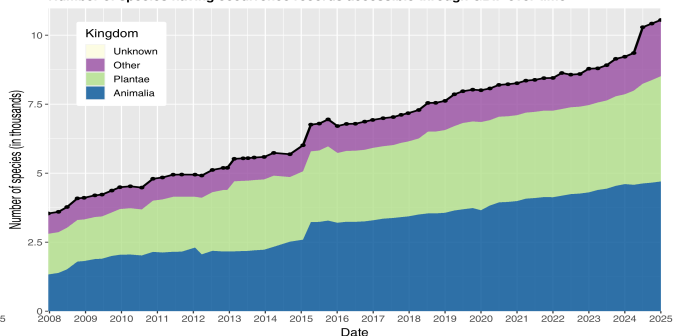
Change over time in records about biodiversity in Sierra Leone

Species occurrence records accessible through GBIF over time



Occurrence records available about species occurring
in Sierra Leone

Number of species having occurrence records accessible through GBIF over time



Species for which at least one occurrence record is
available in Sierra Leone

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.

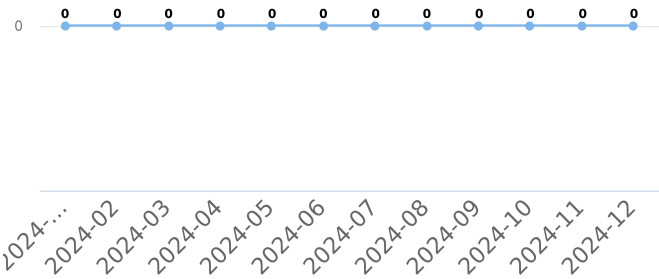
SPECIES COUNTS represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



Newest publishers from Sierra Leone

No data available

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



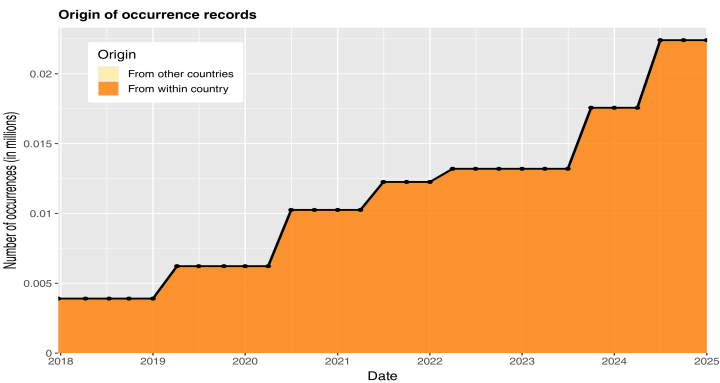
See all publishers from this country or area
gbif.org/publisher/search?country=SL

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

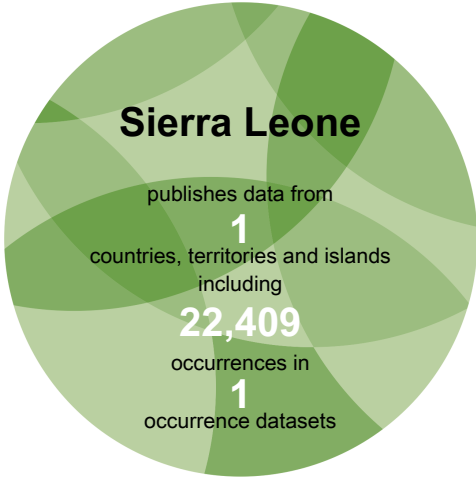


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Sierra Leone

Rank	Country or area	No. of occurrences
1	United Kingdom	42,275
2	Sweden	22,888
3	Sierra Leone	22,409
4	United States of America	17,785
5	Netherlands	5,742
6	International organization or unknown country	5,614
7	France	5,038
8	Belgium	3,942
9	Colombia	3,586
10	South Africa	3,454

Table 1. Ranking of countries or areas contributing data about Sierra Leone

Top datasets contributing data about Sierra Leone

- EOD – eBird Observation Dataset. 22,409 occurrences in Sierra Leone. (Last updated 27 Sep 2024)
- FishBase Database. 19,961 occurrences in Sierra Leone. (Last updated 23 Mar 2023)
- Royal Botanic Gardens, Kew - Herbarium Specimens. 16,160 occurrences in Sierra Leone. (Last updated 2 Jan 2025)
- Natural History Museum (London) Collection Specimens. 13,588 occurrences in Sierra Leone. (Last updated 3 Jan 2025)
- Royal Botanic Gardens, Kew - Fungarium Specimens. 8,127 occurrences in Sierra Leone. (Last updated 3 Jan 2025)

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