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

Researchers from Sierra Leone contributed to 0 peer-reviewed articles citing GBIF use during 2023 and a total of 1 article since 2008.

▶ Data availability in Sierra Leone

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animalia</td>
<td>71,305 occurrences</td>
</tr>
<tr>
<td>Plantae</td>
<td>27,586 occurrences</td>
</tr>
<tr>
<td>Fungi</td>
<td>4,637 occurrences</td>
</tr>
<tr>
<td>Unknown</td>
<td>645 occurrences</td>
</tr>
<tr>
<td>Protozoa</td>
<td>45 occurrences</td>
</tr>
<tr>
<td>Bacteria</td>
<td>2,649 occurrences</td>
</tr>
<tr>
<td>Virus</td>
<td>555 occurrences</td>
</tr>
<tr>
<td>Chromista</td>
<td>668 occurrences</td>
</tr>
<tr>
<td>Archaea</td>
<td>32 occurrences</td>
</tr>
</tbody>
</table>

▶ Data mobilization

Institutions from Sierra Leone published 4,369 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.
Access and usage

Data downloads on GBIF.org from users in Sierra Leone

Users from Sierra Leone made 2 download requests representing 0.0% of all downloads during 2023.

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.

Data availability

Total data available for selected taxonomic groups in Sierra Leone

- **Mammals**: 6,070 occurrences
- **Birds**: 21,173 occurrences
- **Bony fish**: 17,809 occurrences
- **Amphibians**: 3,282 occurrences

- **Insects**: 12,594 occurrences
- **Reptiles**: 892 occurrences
- **Molluscs**: 1,388 occurrences

- **Arachnids**: 158 occurrences
- **Flowering plants**: 25,576 occurrences
- **Ferns**: 1,003 occurrences

- **Mosses**: 307 occurrences
- **Sac fungi**: 3,200 occurrences
- **Basidiomycota**: 1,215 occurrences

Mammals = Class Mammalia
Birds = Class Aves
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
Mosses = Phylum Bryophyta
Sac fungi = Phylum Ascomycota
Basidiomycota = Phylum Basidiomycota

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

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**

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sweden</td>
<td>22,580</td>
</tr>
<tr>
<td>2</td>
<td>United Kingdom</td>
<td>20,878</td>
</tr>
<tr>
<td>3</td>
<td>Sierra Leone</td>
<td>17,568</td>
</tr>
<tr>
<td>4</td>
<td>United States of America</td>
<td>14,165</td>
</tr>
<tr>
<td>5</td>
<td>Netherlands</td>
<td>5,588</td>
</tr>
<tr>
<td>6</td>
<td>International organization or unknown country</td>
<td>5,426</td>
</tr>
<tr>
<td>7</td>
<td>France</td>
<td>4,858</td>
</tr>
<tr>
<td>8</td>
<td>Belgium</td>
<td>3,760</td>
</tr>
<tr>
<td>9</td>
<td>Colombia</td>
<td>3,586</td>
</tr>
<tr>
<td>10</td>
<td>Ghana</td>
<td>2,294</td>
</tr>
</tbody>
</table>

**Top datasets contributing data about Sierra Leone**

- FishBase Database. *19,961 occurrences in Sierra Leone.* (Last updated 23 Mar 2023)
- EOD – eBird Observation Dataset. *17,568 occurrences in Sierra Leone.* (Last updated 20 Aug 2023)
- Natural History Museum (London) Collection Specimens. *12,717 occurrences in Sierra Leone.* (Last updated 19 Dec 2023)
- NMNH Extant Specimen Records (USNM, US). *4,916 occurrences in Sierra Leone.* (Last updated 2 Jan 2024)
- Naturalis Biodiversity Center (NL) - Botany. *4,050 occurrences in Sierra Leone.* (Last updated 12 Dec 2023)

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