Liberia

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 Liberia. 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 Liberia contributed to 1 peer-reviewed articles citing GBIF use during 2023 and a total of 3 articles since 2008.

▶ Data availability in Liberia

- **Animalia**: 112,897 occurrences
- **Plantae**: 63,216 occurrences
- **Fungi**: 782 occurrences
- **Unknown**: 460 occurrences
- **Protozoa**: 369 occurrences
- **Bacteria**: 12,286 occurrences
- **Virus**: 34 occurrences
- **Chromista**: 658 occurrences
- **Archaea**: 188 occurrences

▶ Data mobilization

Institutions from Liberia published 6,635 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.

Number of records published by institutions in Liberia, categorized by kingdom.
Access and usage

Data downloads on GBIF.org from users in Liberia

Users from Liberia made 11 download requests representing 0.0% of all downloads during 2023.

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

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 Liberia.

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

Flanders, Frick, Nziza et al. (2022) Rediscovery of the critically endangered Hill’s horseshoe bat (Rhinolophus hilli) and other new records of bat species in Rwanda. Biodiversity Data Journal. https://doi.org/10.3897/ bdj.10.e83546


See all research from this country or area gbif.org/country/LR/publications/from
Data availability

Total data available for selected taxonomic groups in Liberia

- **Mammals**: 11,769 occurrences
- **Birds**: 40,201 occurrences
- **Bony fish**: 21,474 occurrences
- **Amphibians**: 9,203 occurrences
- **Insects**: 14,272 occurrences
- **Reptiles**: 2,648 occurrences
- **Molluscs**: 3,586 occurrences
- **Arachnids**: 531 occurrences
- **Flowering plants**: 58,533 occurrences
- **Ferns**: 2,977 occurrences
- **Gymnosperms**: 2 occurrences
- **Mosses**: 324 occurrences
- **Sac fungi**: 390 occurrences
- **Basidiomycota**: 384 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 Liberia

**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 Liberia

Bird Survey Data from Nimba. Published by University of Liberia
https://doi.org/10.15468/cp59qq

Bird survey data from Grand Kru Liberia. Published by University of Liberia
https://doi.org/10.15468/vxu44b

Bird survey data from Lake Piso Liberia. Published by University of Liberia
https://doi.org/10.15468/2vbxe4

Bird Survey Data from Rivercess. Published by University of Liberia
https://doi.org/10.15468/z2xqpf

Environmental Impact Assessment Bird Data Bong Liberia. Published by University of Liberia
https://doi.org/10.15468/cs6mdh

Hydroelectric Environmental Impact Assessment Bird Data for Mount Coffee. Published by University of Liberia
https://doi.org/10.15468/pfp3bk

National forests rapid biological assessment Liberia 2002/03. Published by Forestry Development Authority
https://doi.org/10.15468/wtsfsv

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

Newest publishers from Liberia

University of Liberia

Forestry Development Authority

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

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

Number of occurrence records downloaded via GBIF.org published by institutions in Liberia
Data mobilization

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

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

Top data contributors about biodiversity in Liberia

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>United States of America</td>
<td>38,120</td>
</tr>
<tr>
<td>2</td>
<td>Liberia</td>
<td>34,667</td>
</tr>
<tr>
<td>3</td>
<td>Netherlands</td>
<td>27,542</td>
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<tr>
<td>4</td>
<td>United Kingdom</td>
<td>25,261</td>
</tr>
<tr>
<td>5</td>
<td>Sweden</td>
<td>24,697</td>
</tr>
<tr>
<td>6</td>
<td>Belgium</td>
<td>11,093</td>
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<tr>
<td>7</td>
<td>France</td>
<td>9,842</td>
</tr>
<tr>
<td>8</td>
<td>Colombia</td>
<td>5,422</td>
</tr>
<tr>
<td>9</td>
<td>International organization or unknown country</td>
<td>5,328</td>
</tr>
<tr>
<td>10</td>
<td>Germany</td>
<td>3,157</td>
</tr>
</tbody>
</table>

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

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

Top datasets contributing data about Liberia

- EOD – eBird Observation Dataset. 26,336 occurrences in Liberia. (Last updated 20 Aug 2023)
- FishBase Database. 24,162 occurrences in Liberia. (Last updated 23 Mar 2023)
- Naturalis Biodiversity Center (NL) - Botany. 21,562 occurrences in Liberia. (Last updated 12 Dec 2023)
- Comparative 16S analysis of hydrothermal vent samples from the Mid-Atlantic Ridge (MAR). 12,636 occurrences in Liberia. (Last updated 19 Feb 2020)
- Natural History Museum (London) Collection Specimens. 9,705 occurrences in Liberia. (Last updated 19 Dec 2023)
Liberia participates in the following projects coordinated by GBIF

Building Capacity for Biodiversity Data Mobilization and Conservation in Liberia  
*BID: Biodiversity Information for Development, 2017–2019*

This project will enhance national capacity for biodiversity data mobilization, processing, management and publishing; provide high-quality occurrence and distribution data for fauna and flora species of global conservation concern occurring in Liberia; and comprehensive checklists of key fauna and flora species of global conservation concern occurring in the country, data sources, and users.

https://www.gbif.org/project/2FbcNn7o2c08W4m2ywUAQi

Enhancing capacity to mobilize and use biodiversity data to support sustainable development in West Africa  
*Capacity Enhancement Support Programme, 2020–2023*

The overall goal of this project is to enhance capacity for biodiversity data mobilization and development of information products in support of sustainable development in West Africa

https://www.gbif.org/project/lmAtw3uVGVpjripYHAxD