Fiji
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 Fiji. 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 Fiji contributed to 2 peer-reviewed articles citing GBIF use during 2023 and a total of 7 articles since 2008.

▷ Data availability in Fiji
- **Animalia**: 269,815 occurrences
- **Plantae**: 75,812 occurrences
- **Fungi**: 12,977 occurrences
- **Unknown**: 3,703 occurrences
- **Protozoa**: 95 occurrences
- **Bacteria**: 4,061 occurrences
- **Virus**: 33 occurrences
- **Chromista**: 4,810 occurrences
- **Archaea**: 39 occurrences

▷ Data mobilization
Institutions from Fiji published 36,313 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 Fiji, categorized by kingdom.
Access and usage
Data downloads on GBIF.org from users in Fiji

Users from Fiji made 36 download requests representing 0.0% of all downloads during 2023.

Monthly downloads requested by users in Fiji

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

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 Fiji.

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

Hayat, Kour, Akram et al. (2023) Assessing the Global Pest Risk of Aeolesthes sarta with Regards to the Host Specie Populus alba under Climate Change Scenarios. *Forests.*
https://doi.org/10.3390/f14061260

Hayat, Akram, Kour et al. (2023) Pest Risk Assessment of Aeolesthes sarta (Coleoptera: Cerambycidae) in Pakistan under Climate Change Scenario. *Forests.*
https://doi.org/10.3390/f14020253

https://doi.org/10.1111/raq.12749

Brodie, Khurma, Kour et al. (2022) Modeling the potential global distribution of suitable habitat for the biological control agent Heterorhabditis indica. *Ecology and Evolution.*
https://doi.org/10.1002/ece3.8997

https://doi.org/10.1038/s41477-022-01144-8

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

Total data available for selected taxonomic groups in Fiji

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mammals</strong></td>
<td>1,648</td>
</tr>
<tr>
<td><strong>Birds</strong></td>
<td>84,665</td>
</tr>
<tr>
<td><strong>Bony fish</strong></td>
<td>54,786</td>
</tr>
<tr>
<td><strong>Amphibians</strong></td>
<td>598</td>
</tr>
<tr>
<td><strong>Insects</strong></td>
<td>41,848</td>
</tr>
<tr>
<td><strong>Reptiles</strong></td>
<td>6,453</td>
</tr>
<tr>
<td><strong>Molluscs</strong></td>
<td>54,287</td>
</tr>
<tr>
<td><strong>Arachnids</strong></td>
<td>1,769</td>
</tr>
<tr>
<td><strong>Flowering plants</strong></td>
<td>54,280</td>
</tr>
<tr>
<td><strong>Ferns</strong></td>
<td>9,647</td>
</tr>
<tr>
<td><strong>Gymnosperms</strong></td>
<td>1,439</td>
</tr>
<tr>
<td><strong>Mosses</strong></td>
<td>3,525</td>
</tr>
<tr>
<td><strong>Sac fungi</strong></td>
<td>6,931</td>
</tr>
<tr>
<td><strong>Basidiomycota</strong></td>
<td>3,076</td>
</tr>
</tbody>
</table>

Mammals = Class Mammalia  
Birds = Class Aves  
Amphibians = Class Amphibia  
Insects = Class Insecta  
Reptiles = Class Testudines, Sphenodonta, 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 Fiji

**Occurrence records available about species occurring in Fiji**

**Number of species having occurrence records accessible through GBIF over time**

**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 Fiji

Fiji reef-associated food fishes observed under the Asia-Pacific Network for Global Change Research project. Published by The University of the South Pacific
https://doi.org/10.15468/4qhgxr

Freshwater fish records at The University of the South Pacific. Published by The University of the South Pacific
https://doi.org/10.15468/mfwmxb

South Pacific Regional Herbarium_SUVA_Ferns and Fern allies. Published by South Pacific Regional Herbarium
https://doi.org/10.15468/d9qh8j

South Pacific Regional Herbarium_Monocotyledons. Published by South Pacific Regional Herbarium
https://doi.org/10.15468/qur8qh

Entomology collections at the South Pacific Regional Herbarium and Biodiversity Centre. Published by South Pacific Regional Herbarium
https://doi.org/10.15468/ec2jrj

Bryophytes of the Fiji Islands. Published by South Pacific Regional Herbarium
https://doi.org/10.15468/tqqfhp

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

Newest publishers from Fiji

BirdLife International, Pacific Partnership Secretariat
NatureFiji-MareqetiViti
The University of the South Pacific
South Pacific Regional Herbarium

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

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

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

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

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

Top data contributors about biodiversity in Fiji

<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>154,695</td>
</tr>
<tr>
<td>2</td>
<td>Fiji</td>
<td>110,782</td>
</tr>
<tr>
<td>3</td>
<td>Australia</td>
<td>19,398</td>
</tr>
<tr>
<td>4</td>
<td>United Kingdom</td>
<td>17,466</td>
</tr>
<tr>
<td>5</td>
<td>Estonia</td>
<td>11,029</td>
</tr>
<tr>
<td>6</td>
<td>New Caledonia</td>
<td>10,979</td>
</tr>
<tr>
<td>7</td>
<td>France</td>
<td>9,516</td>
</tr>
<tr>
<td>8</td>
<td>Netherlands</td>
<td>8,242</td>
</tr>
<tr>
<td>9</td>
<td>New Zealand</td>
<td>8,063</td>
</tr>
<tr>
<td>10</td>
<td>Canada</td>
<td>4,893</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Fiji

- EOD – eBird Observation Dataset. 72,862 occurrences in Fiji. (Last updated 20 Aug 2023)
- iNaturalist Research-grade Observations. 29,079 occurrences in Fiji. (Last updated 2 Jan 2024)
- Bernice P. Bishop Museum. 21,817 occurrences in Fiji. (Last updated 31 May 2017)
- AntWeb. 14,130 occurrences in Fiji. (Last updated 1 Jan 2024)

See all contributing countries and areas or datasets: gbif.org/country/FJ/about
Fiji participates in the following projects coordinated by GBIF

Mobilizing biodiversity data from natural history collections in Fiji
*BID: Biodiversity Information for Development, 2021–2023*
https://www.gbif.org/project/BID-PA2020-006-NAC

Addressing Oceania’s freshwater biodiversity data deficiency by mobilizing Melanesian datasets
*BID: Biodiversity Information for Development, 2021–2023*
https://www.gbif.org/project/BID-PA2020-010-REG

Mobilizing Fiji’s macro-moth collection data to enhance knowledge and encourage biodiversity protection
*BID: Biodiversity Information for Development, 2017–2018*
This project serves as a first step toward mobilizing important Fijian biodiversity data and will help identify moth specimens collected throughout the Pacific, providing important baseline data for future moth research.
https://www.gbif.org/project/83280

Capacity building and data mobilization for conservation and decision-making in the South Pacific
*BID: Biodiversity Information for Development, 2017–2018*
This project will build on the protocols, tools and growing network of collaborators to mobilize biodiversity data and identify conservation priorities in Fiji, Vanuatu, the Solomon Islands, and New Caledonia.
https://www.gbif.org/project/83273

See all GBIF projects
gbif.org/resource/search?contentType=project