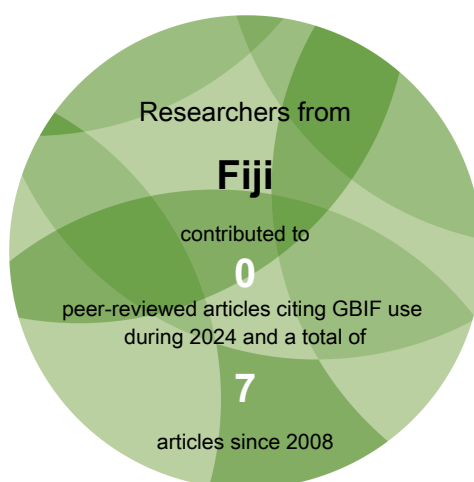


generated January 2025

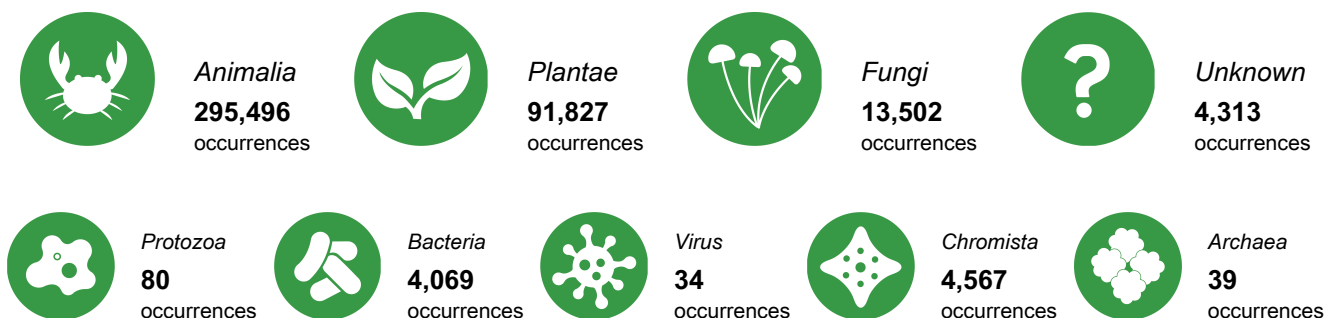
Fiji

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.

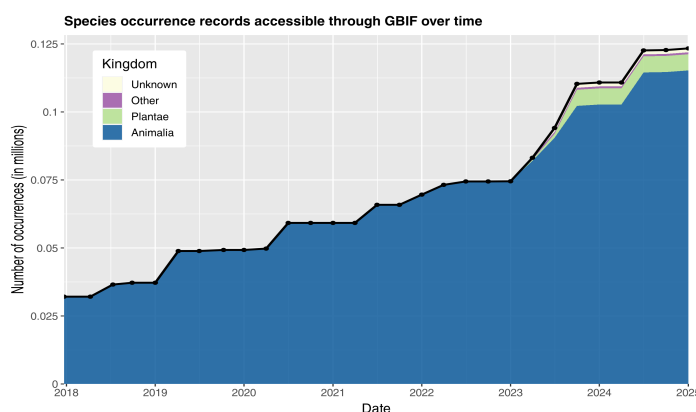
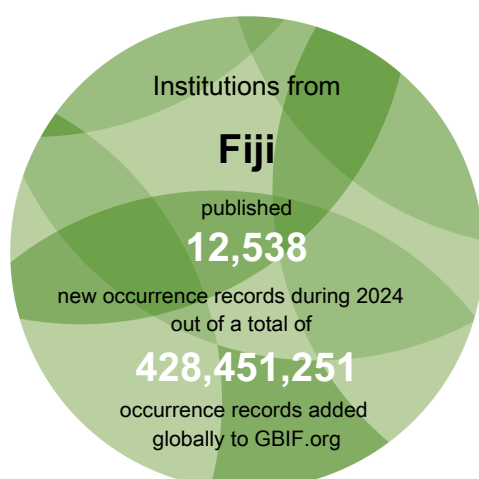
► Access and usage



► Data availability in Fiji



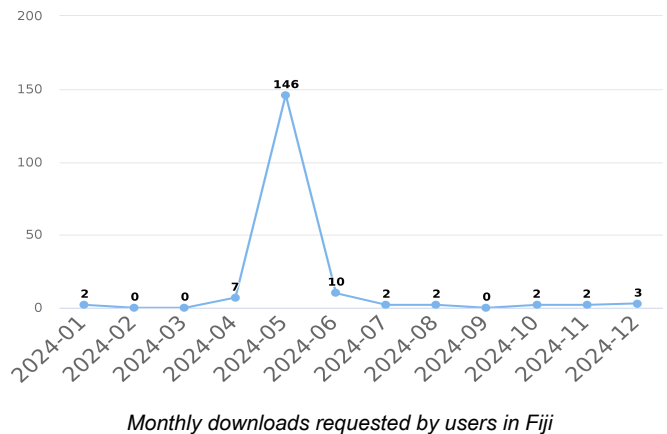
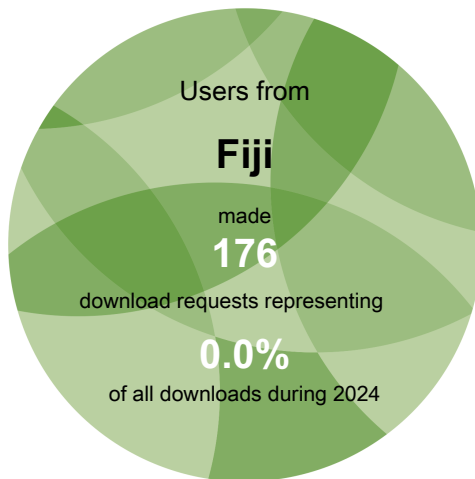
► Data mobilization



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

Access and usage

Data downloads on GBIF.org from 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>

Brown, Chand, Lal *et al.* (2022) An assessment of the aquaculture potential of indigenous freshwater food fish of Fiji, Papua New Guinea, Vanuatu, Solomon Islands, Samoa and Tonga as alternatives to farming of tilapia. *Reviews in Aquaculture*.
<https://doi.org/10.1111/raq.12749>

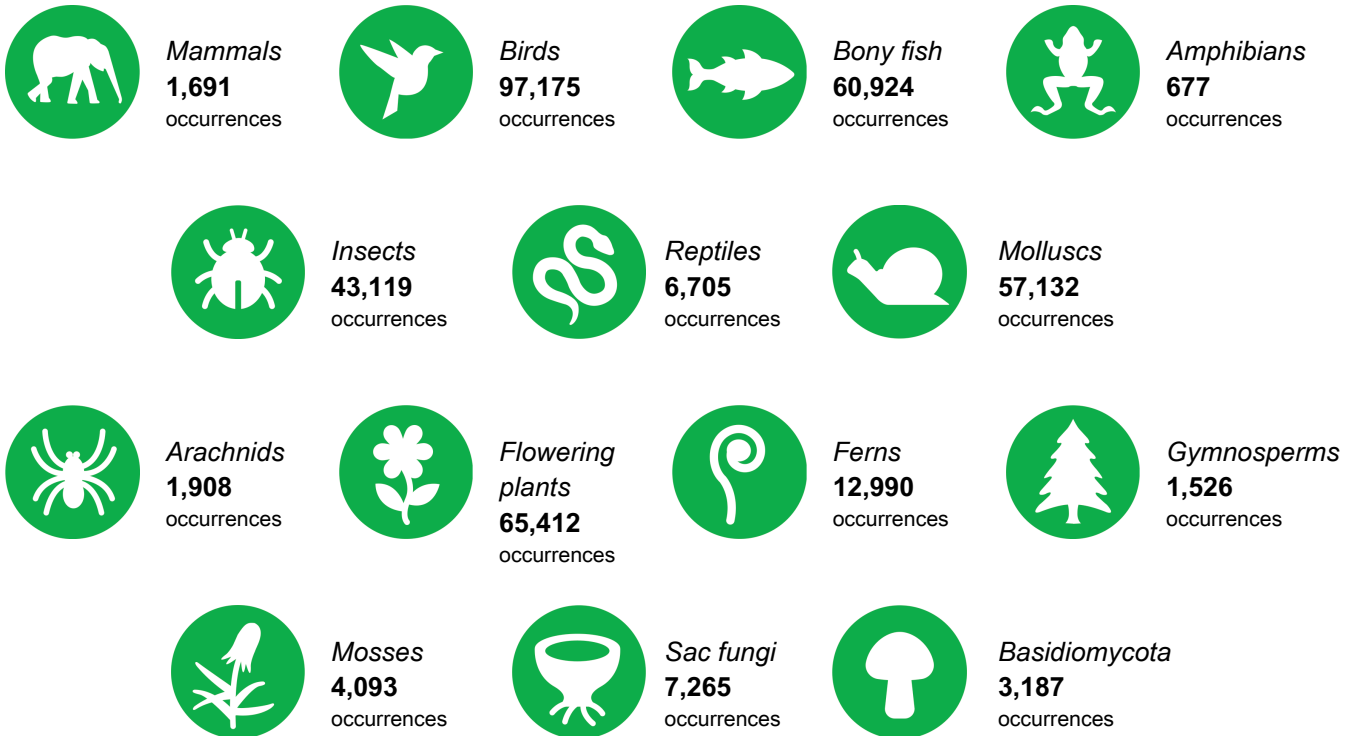
Brodie, Khurma, Kour *et al.* (2022) Modeling the potential global distribution of suitable habitat for the biological control agent *Heterorhabditis indica*. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.8997>

Ramirez-Villegas, Khoury, Achicanoy *et al.* (2022) State of ex situ conservation of landrace groups of 25 major crops. *Nature Plants*.
<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



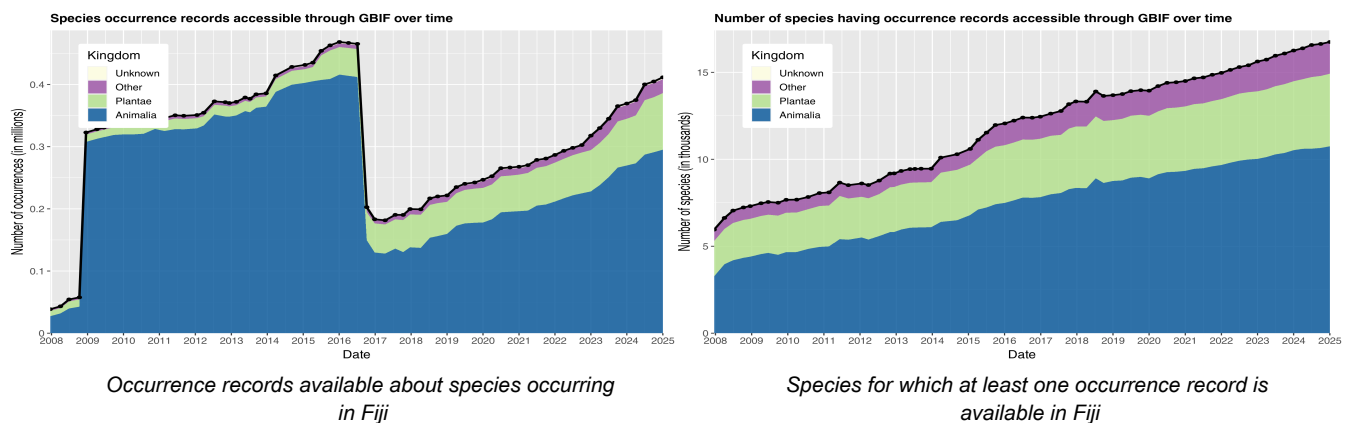
Mammals = Class *Mammalia*
 Birds = Class *Aves*
 Bony fish = Superclass
Osteichthyes p.p.
 Amphibians = Class *Amphibia*

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 Fiji



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

Tuvalu 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/10.15468/4jedd8>

The distribution of Fijian Island endemic *Melanesobasis prolixa* Donnelly, 1984 (Odonata: Coenagrionidae) across Moala Island Watersheds. *Published by The University of the South Pacific*
<https://doi.org/10.15468/qxvhcp>

Vanuatu 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/tmqxr4>

Tonga 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/10.15468/5z87zj>

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>

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

Newest publishers from Fiji

BirdLife International, Pacific Partnership Secretariat

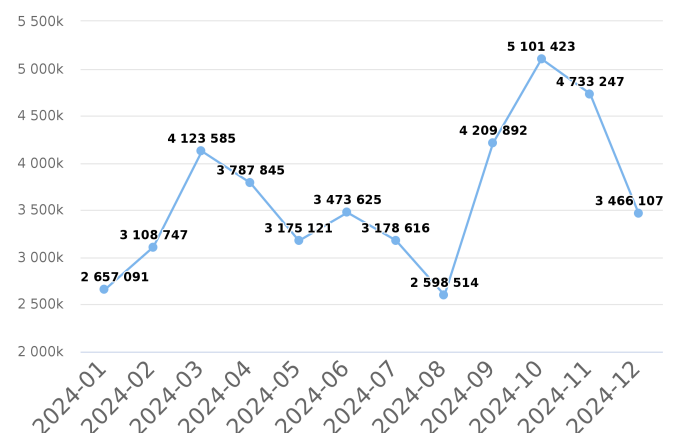
NatureFiji-MareqetiViti

The University of the South Pacific

South Pacific Regional Herbarium

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

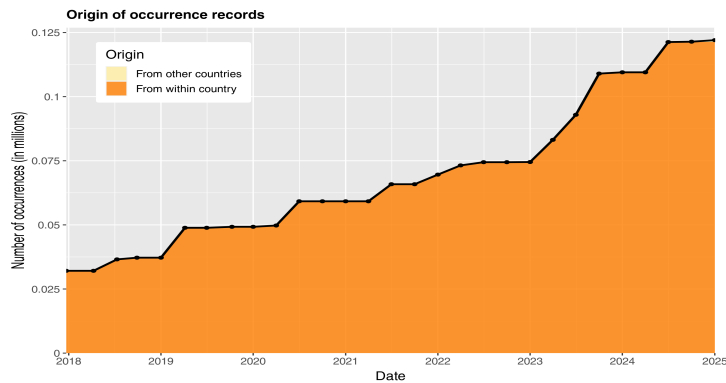
Occurrence records downloaded from GBIF.org, published by institutions in Fiji



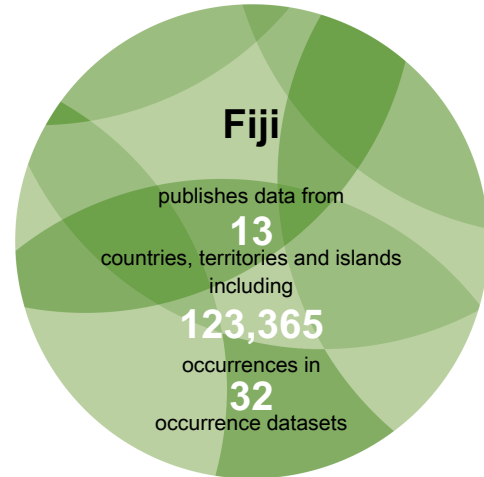
Number of occurrence records downloaded via
GBIF.org published by institutions in Fiji

Data mobilization

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



Data sharing with country or area of origin



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

| Rank | Country or area | No. of occurrences |
|------|--------------------------|--------------------|
| 1 | United States of America | 168,754 |
| 2 | Fiji | 122,626 |
| 3 | United Kingdom | 27,314 |
| 4 | Australia | 20,587 |
| 5 | New Zealand | 13,539 |
| 6 | Estonia | 11,029 |
| 7 | New Caledonia | 10,979 |
| 8 | France | 9,804 |
| 9 | Netherlands | 8,267 |
| 10 | Canada | 4,953 |

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

Top datasets contributing data about Fiji

EOD – eBird Observation Dataset. 84,655 occurrences in Fiji. (Last updated 27 Sep 2024)

iNaturalist Research-grade Observations. 38,312 occurrences in Fiji. (Last updated 30 Dec 2024)

NMNH Extant Specimen Records (USNM, US). 35,491 occurrences in Fiji. (Last updated 2 Jan 2025)

Bernice P. Bishop Museum. 21,817 occurrences in Fiji. (Last updated 31 May 2017)

AntWeb. 14,148 occurrences in Fiji. (Last updated 30 Dec 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](https://www.gbif.org/resource/search?contentType=project)