Guam

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 Guam. 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 Guam contributed to 0 peer-reviewed articles citing GBIF use during 2023 and a total of 1 articles since 2008.

▶ Data availability in Guam

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Number of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animalia</td>
<td>123,338</td>
</tr>
<tr>
<td>Plantae</td>
<td>12,376</td>
</tr>
<tr>
<td>Fungi</td>
<td>798</td>
</tr>
<tr>
<td>Unknown</td>
<td>2,672</td>
</tr>
<tr>
<td>Protozoa</td>
<td>124</td>
</tr>
<tr>
<td>Bacteria</td>
<td>28,920</td>
</tr>
<tr>
<td>Virus</td>
<td>1</td>
</tr>
<tr>
<td>Chromista</td>
<td>1,082</td>
</tr>
<tr>
<td>Archaea</td>
<td>1,314</td>
</tr>
</tbody>
</table>

▶ Data mobilization

Institutions from Guam published 2,284 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 Guam

Users from Guam made 9 download requests representing 0.0% of all downloads during 2023.

Monthly downloads requested by users in Guam

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

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 Guam.

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 Guam

- **Mammals**: 916 occurrences
- **Birds**: 14,460 occurrences
- **Bony fish**: 53,057 occurrences
- **Amphibians**: 629 occurrences
- **Insects**: 24,864 occurrences
- **Reptiles**: 7,871 occurrences
- **Molluscs**: 11,043 occurrences
- **Arachnids**: 936 occurrences
- **Flowering plants**: 9,062 occurrences
- **Ferns**: 1,282 occurrences
- **Gymnosperms**: 97 occurrences
- **Mosses**: 218 occurrences
- **Sac fungi**: 459 occurrences
- **Basidiomycota**: 300 occurrences

**change over time in records about biodiversity in Guam**

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

**Species occurrence records accessible through GBIF over time**

**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
Newest publishers from Guam

No data available

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

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

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

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

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

### Top data contributors about biodiversity in Guam

<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>119,213</td>
</tr>
<tr>
<td>2</td>
<td>United Kingdom</td>
<td>27,279</td>
</tr>
<tr>
<td>3</td>
<td>Guam</td>
<td>13,938</td>
</tr>
<tr>
<td>4</td>
<td>Switzerland</td>
<td>3,396</td>
</tr>
<tr>
<td>5</td>
<td>Australia</td>
<td>1,570</td>
</tr>
<tr>
<td>6</td>
<td>Netherlands</td>
<td>1,285</td>
</tr>
<tr>
<td>7</td>
<td>Japan</td>
<td>1,064</td>
</tr>
<tr>
<td>8</td>
<td>International organization or unknown country</td>
<td>678</td>
</tr>
<tr>
<td>9</td>
<td>France</td>
<td>391</td>
</tr>
<tr>
<td>10</td>
<td>Sweden</td>
<td>386</td>
</tr>
</tbody>
</table>

*Table 1. Ranking of countries or areas contributing data about Guam*

### Top datasets contributing data about Guam

- **NOAA Pacific Islands Fisheries Science Center, Ecosystem Sciences Division, National Coral Reef Monitoring Program: Stratified random surveys (SIRS) of reef fish in the U.S. Pacific Islands. 40,308 occurrences in Guam.** (Last updated 2 Nov 2022)
- **Mariana and Kermadec Trench sediment 16S rRNA gene sequencing. 24,218 occurrences in Guam.** (Last updated 19 Feb 2020)
- **NMNH Extant Specimen Records (USNM, US). 20,583 occurrences in Guam.** (Last updated 2 Jan 2024)
- **University of Guam Insect Collection. 18,610 occurrences in Guam.** (Last updated 19 May 2023)
- **EOD – eBird Observation Dataset. 13,938 occurrences in Guam.** (Last updated 20 Aug 2023)

See all contributing countries and areas or datasets: [gbif.org/country/GU/about](http://gbif.org/country/GU/about)