Jamaica

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 Jamaica. 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 Jamaica contributed to 0 peer-reviewed articles citing GBIF use during 2023 and a total of 3 articles since 2008.

▶ Data availability in Jamaica

- Animalia: 601,372 occurrences
- Plantae: 200,720 occurrences
- Fungi: 16,516 occurrences
- Unknown: 3,112 occurrences
- Protozoa: 2,286 occurrences
- Bacteria: 873 occurrences
- Virus: 90 occurrences
- Chromista: 7,923 occurrences
- Archaea: 0 occurrences

▶ Data mobilization

Institutions from Jamaica published 53,776 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.

Species occurrence records accessible through GBIF over time

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

Data downloads on GBIF.org from users in Jamaica

Users from Jamaica made 7 download requests representing 0.0% of all downloads during 2023.

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

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 Jamaica.

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

https://doi.org/10.1111/geb.12672

https://doi.org/10.1016/j.jep.2012.08.008

https://doi.org/10.1007/s12231-018-9415-5
Data availability

Total data available for selected taxonomic groups in Jamaica

- Mammals: 6,565 occurrences
- Birds: 420,960 occurrences
- Bony fish: 10,156 occurrences
- Amphibians: 10,566 occurrences
- Insects: 24,409 occurrences
- Reptiles: 19,828 occurrences
- Molluscs: 81,490 occurrences
- Arachnids: 1,924 occurrences
- Flowering plants: 127,309 occurrences
- Ferns: 41,626 occurrences
- Gymnosperms: 405 occurrences
- Mosses: 16,056 occurrences
- Sac fungi: 12,041 occurrences
- Basidiomycota: 4,226 occurrences

**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.

---

Change over time in records about biodiversity in Jamaica

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

**Number of species having occurrence records accessible through GBIF over time**
Most recent datasets from publishers in Jamaica

ioj_hemiptera_collection. Published by Institute of Jamaica  
https://doi.org/10.15468/3inygr

ioj_hymenoptera_collection. Published by Institute of Jamaica  
https://doi.org/10.15468/tkon7q

ioj_odonata_collection. Published by Institute of Jamaica  
https://doi.org/10.15468/yfejvj

Coral Reef Monitoring for Climate Change Impacts: Jamaica 2000-2003. Published by Caribbean Coastal Data Centre, Centre for Marine Sciences  
https://doi.org/10.15468/c1q4rc

Bird Checklist for Font Hill, St. Elizabeth, Jamaica. Published by Institute of Jamaica  
https://doi.org/10.15468/djcifb

jamaica_invasive_alien_species. Published by Institute of Jamaica  
https://doi.org/10.15468/as3kqn

mushrooms-nhmj-ij-2019-01-15. Published by Institute of Jamaica  
https://doi.org/10.15468/hjyzts

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

Newest publishers from Jamaica

Caribbean Coastal Data Centre, Centre for Marine Sciences

Institute of Jamaica

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

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

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

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

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

Top data contributors about biodiversity in Jamaica

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jamaica</td>
<td>419,170</td>
</tr>
<tr>
<td>2</td>
<td>United States of America</td>
<td>332,005</td>
</tr>
<tr>
<td>3</td>
<td>United Kingdom</td>
<td>28,881</td>
</tr>
<tr>
<td>4</td>
<td>Netherlands</td>
<td>13,016</td>
</tr>
<tr>
<td>5</td>
<td>Sweden</td>
<td>6,257</td>
</tr>
<tr>
<td>6</td>
<td>Germany</td>
<td>5,067</td>
</tr>
<tr>
<td>7</td>
<td>Canada</td>
<td>4,400</td>
</tr>
<tr>
<td>8</td>
<td>Venezuela</td>
<td>4,172</td>
</tr>
<tr>
<td>9</td>
<td>International organization or unknown country</td>
<td>3,351</td>
</tr>
<tr>
<td>10</td>
<td>Belgium</td>
<td>2,596</td>
</tr>
</tbody>
</table>

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

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

Top datasets contributing data about Jamaica

EOD – eBird Observation Dataset. 405,963 occurrences in Jamaica. (Last updated 20 Aug 2023)

NMNH Extant Specimen Records (USNM, US). 65,903 occurrences in Jamaica. (Last updated 2 Jan 2024)

Tropicos MO Specimen Data. 48,569 occurrences in Jamaica. (Last updated 27 Dec 2023)

The New York Botanical Garden Herbarium (NY). 37,846 occurrences in Jamaica. (Last updated 1 Jan 2024)

Malacology Collection at the Academy of Natural Sciences of Philadelphia. 24,067 occurrences in Jamaica. (Last updated 2 Jan 2024)
Jamaica participates in the following projects coordinated by GBIF

Capacity building for biodiversity data sharing through the Caribbean Coastal Data Centre in Jamaica

*BID: Biodiversity Information for Development, 2017–2018*

This project will enhance capacity to organize and manage primary biodiversity data about the marine and coastal environments of Jamaica and the Caribbean.

https://www.gbif.org/project/83232

Advancing Jamaican biodiversity data products and information services

*BID: Biodiversity Information for Development, 2017–2018*

This project will enable the Natural History Museum of Jamaica and its partners to strengthen collaborative ties, improve technical resources and increase access to biodiversity knowledge and data.

https://www.gbif.org/project/83261