



generated January 2025

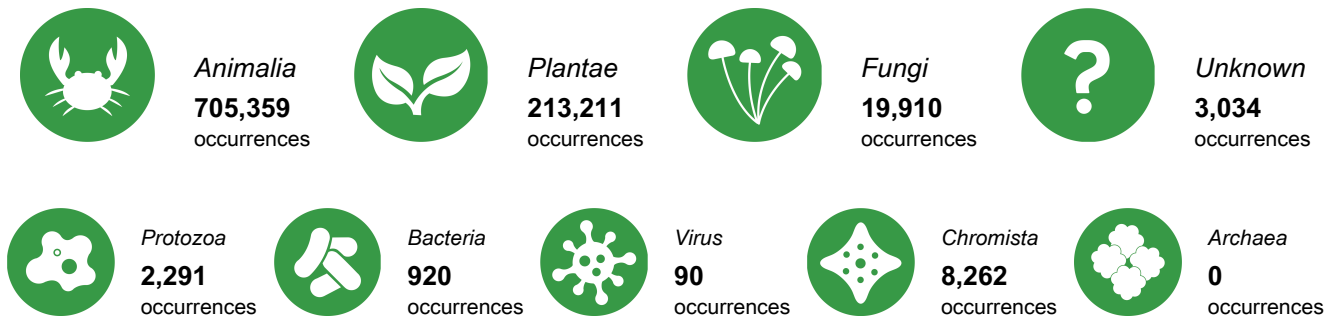
Jamaica

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.

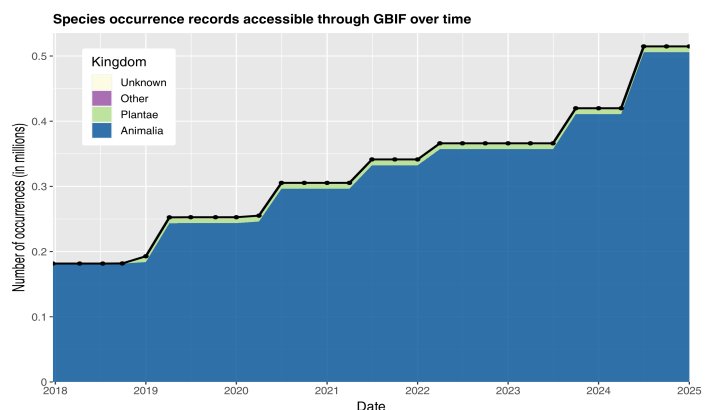
► Access and usage



► Data availability in Jamaica



► Data mobilization

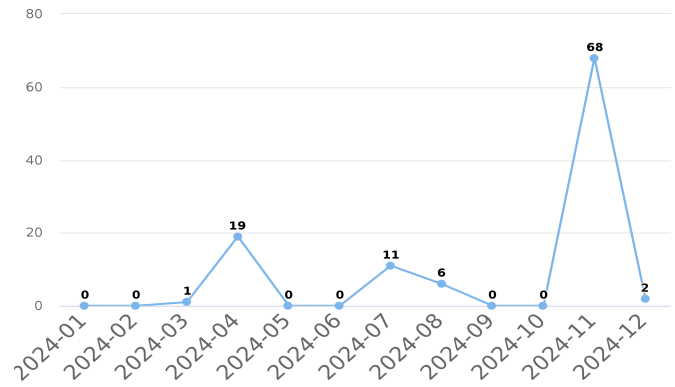
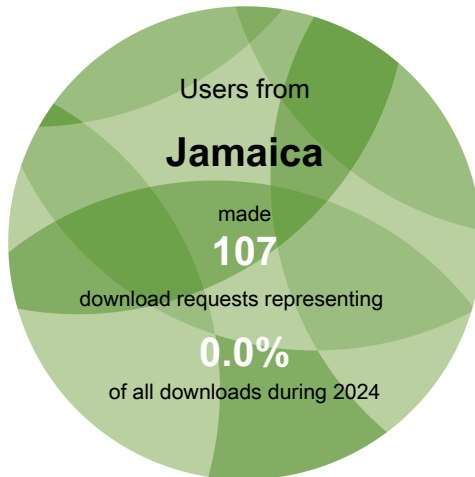


Number of records published by institutions in Jamaica, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Jamaica



Monthly downloads requested by users in Jamaica

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.

Owens, Lewis, Dupuis *et al.* (2017) The latitudinal diversity gradient in New World swallowtail butterflies is caused by contrasting patterns of out-of- and into-the-tropics dispersal. *Global Ecology and Biogeography*.
<https://doi.org/10.1111/geb.12672>

Andel, Mitchell, Volpato *et al.* (2012) In search of the perfect aphrodisiac: parallel use of bitter tonics in West Africa and the Caribbean.. *Journal of ethnopharmacology*.
<https://doi.org/10.1016/j.jep.2012.08.008>

Vandebroek, Picking, Aiken *et al.* (2018) A Review of Coralilla (*Antigonon leptopus*): An Invasive and Popular Urban Bush Medicine in Jamaica. *Economic Botany*.
<https://doi.org/10.1007/s12231-018-9415-5>

See all research from this country or area
gbif.org/country/JM/publications/from



Data availability

Total data available for selected taxonomic groups in Jamaica



Mammals
6,615
occurrences



Birds
517,633
occurrences



Bony fish
11,283
occurrences



Amphibians
10,719
occurrences



Insects
26,733
occurrences



Reptiles
20,389
occurrences



Molluscs
83,822
occurrences



Arachnids
1,987
occurrences



Flowering plants
134,515
occurrences



Ferns
44,391
occurrences



Gymnosperms
421
occurrences



Mosses
17,440
occurrences



Sac fungi
14,167
occurrences



Basidiomycota
5,141
occurrences

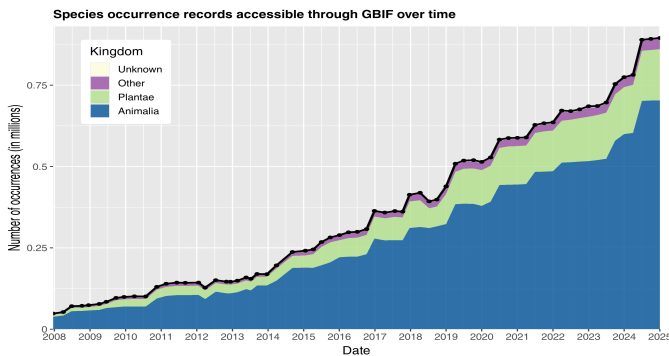
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

Insects = Class *Insecta*
Reptiles = Class *Testudines*,
Sphenodontia, *Squamata* &
Crocodylia
Molluscs = Phylum *Mollusca*

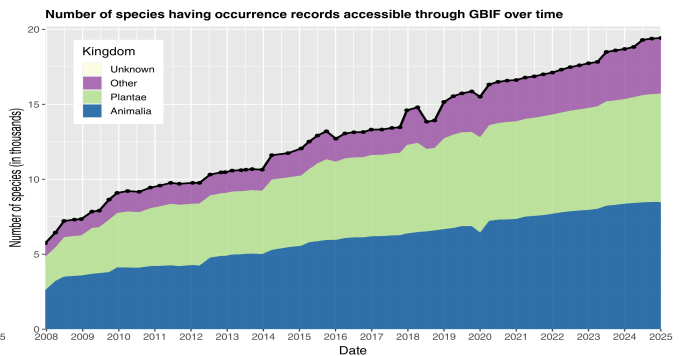
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

Ferns = Phylum *Pteridophyta*
Mosses = Phylum *Bryophyta*
Sac fungi = Phylum *Ascomycota*
Basidiomycota = Phylum
Basidiomycota

Change over time in records about biodiversity in Jamaica



Occurrence records available about species occurring in Jamaica



Species for which at least one occurrence record is available in Jamaica

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 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

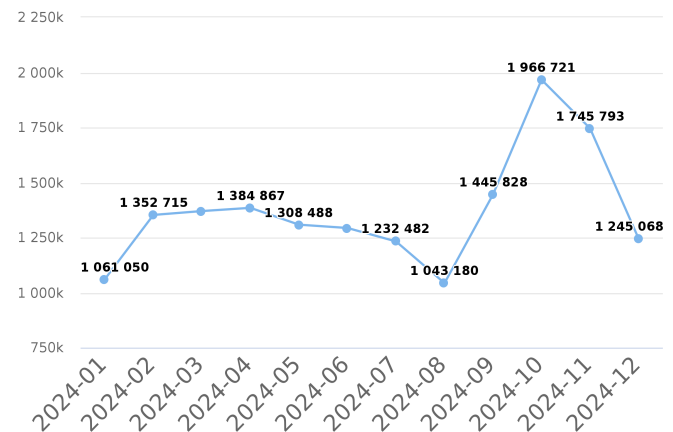
Newest publishers from Jamaica

Caribbean Coastal Data Centre, Centre for Marine Sciences

Institute of Jamaica

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

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

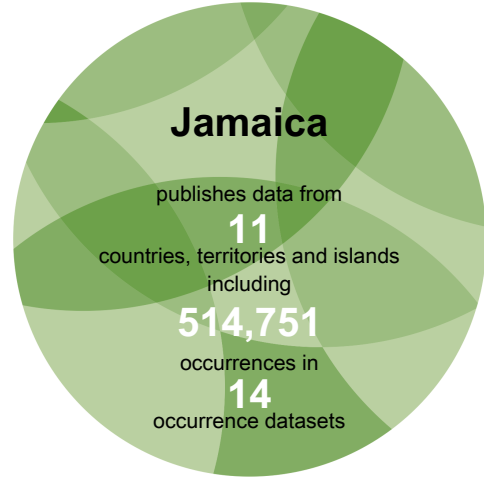
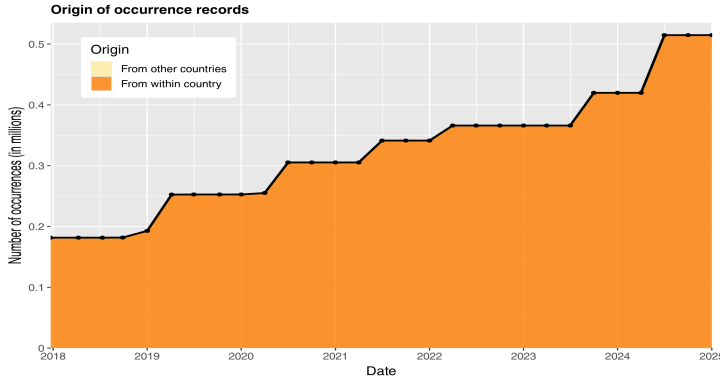


Number of occurrence records downloaded via GBIF.org published by institutions in Jamaica



Data mobilization

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



Data sharing with country or area of origin

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

| Rank | Country or area | No. of occurrences |
|------|---|--------------------|
| 1 | Jamaica | 514,049 |
| 2 | United States of America | 347,159 |
| 3 | United Kingdom | 36,763 |
| 4 | Netherlands | 13,066 |
| 5 | Sweden | 6,687 |
| 6 | Canada | 5,141 |
| 7 | Germany | 5,101 |
| 8 | Venezuela | 4,172 |
| 9 | International organization or unknown country | 3,315 |
| 10 | Belgium | 2,714 |

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

Top datasets contributing data about Jamaica

- EOD – eBird Observation Dataset. *500,842 occurrences in Jamaica.* (Last updated 27 Sep 2024)
- NMNH Extant Specimen Records (USNM, US). *66,235 occurrences in Jamaica.* (Last updated 2 Jan 2025)
- Tropicos MO Specimen Data. *48,869 occurrences in Jamaica.* (Last updated 4 Jan 2025)
- The New York Botanical Garden Herbarium (NY). *38,112 occurrences in Jamaica.* (Last updated 25 Dec 2024)
- Malacology Collection at the Academy of Natural Sciences of Philadelphia. *24,036 occurrences in Jamaica.* (Last updated 4 Jan 2025)

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



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>

See all GBIF projects
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)