

generated January 2025

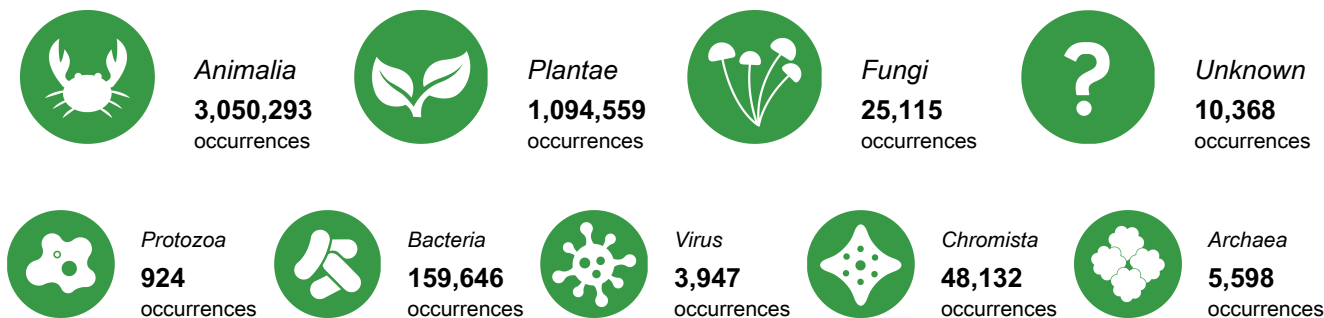
Indonesia

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 Indonesia. 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.

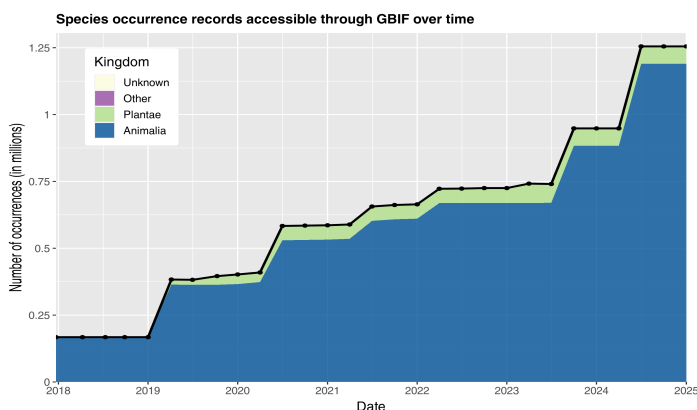
► Access and usage



► Data availability in Indonesia



► Data mobilization

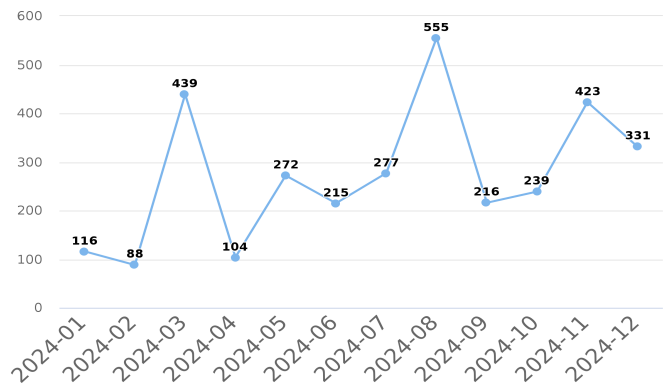


Number of records published by institutions in Indonesia, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Indonesia



Monthly downloads requested by users in Indonesia

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

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 Indonesia.

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

FARADILA SYAFIRA, NURAINAS, SYAMSUARDI. (2024) New record and potential spatial distribution of *Curcuma sumatrana* (Zingiberaceae): An endemic wild turmeric in Sumatra, Indonesia. *Biodiversitas*.
<https://doi.org/10.13057/biodiv/d251112>

Waldock, Maire, Albouy *et al.* (2024) Micronutrient levels of global tropical reef fish communities differ from fisheries capture. *People and Nature*.
<https://doi.org/10.1002/pan3.10736>

Iqbal, Amey, Ayu Widayanti *et al.* (2024) From "Sabang to Merauke", the presence of non-native *Oreochromis mossambicus* and *Oreochromis niloticus* (Cichliformes: Cichlidae) in Indonesia. *BIO Web of Conferences*.
<https://doi.org/10.1051/bioconf/202413603007>

Atmaja, Putra, Lestari *et al.* (2024) The Current Report of Herpetofauna in Enggano Island, Bengkulu, Indonesia, with Two New Record of Amphibian Species. *Jurnal Pembelajaran Dan Biologi Nukleus*.
<https://doi.org/10.36987/jpbn.v10i3.5873>

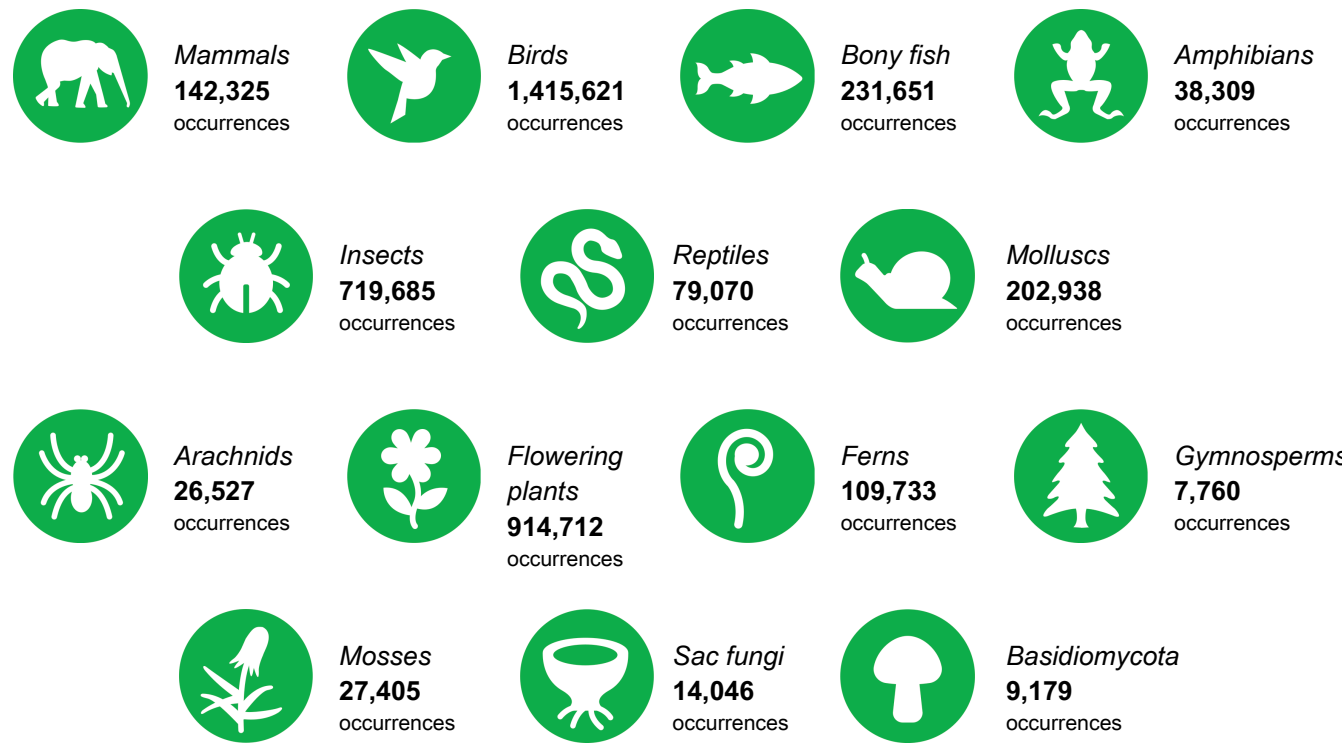
Womersley, Sousa, Humphries *et al.* (2024) Climate-driven global redistribution of an ocean giant predicts increased threat from shipping. *Nature Climate Change*.
<https://doi.org/10.1038/s41558-024-02129-5>

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



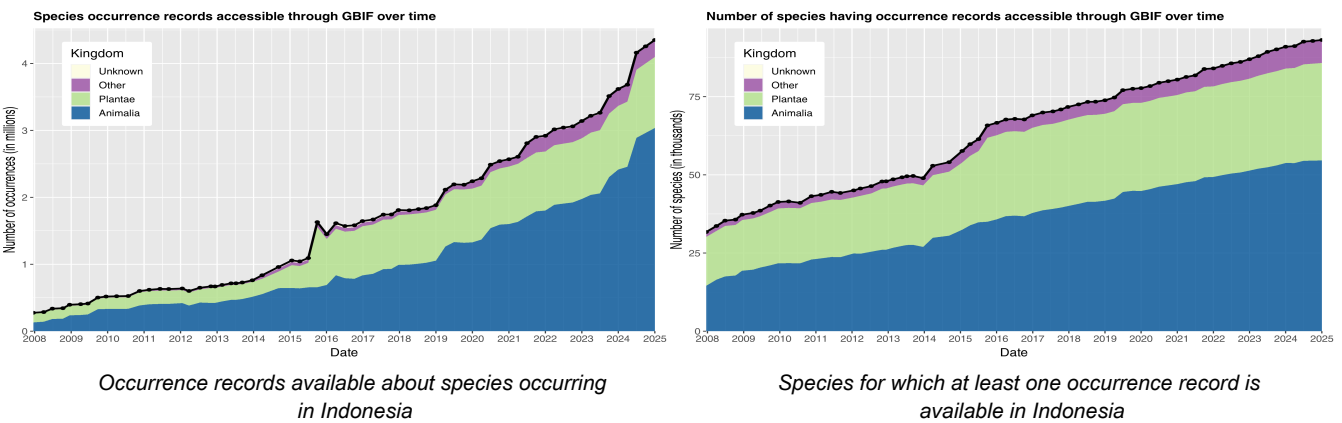
Data availability

Total data available for selected taxonomic groups in Indonesia



Mammals = Class <i>Mammalia</i>	Insects = Class <i>Insecta</i>	Arachnids = Class <i>Arachnida</i>	Ferns = Phylum <i>Pteridophyta</i>
Birds = Class <i>Aves</i>	Reptiles = Class <i>Testudines</i> , <i>Sphenodontia</i> , <i>Squamata</i> & <i>Crocodylia</i>	Flowering plants = Phylum <i>Magnoliophyta</i>	Mosses = Phylum <i>Bryophyta</i>
Bony fish = Superclass <i>Osteichthyes</i> p.p.	Molluscs = Phylum <i>Mollusca</i>	Gymnosperms = Superclass <i>Gymnospermae</i>	Sac fungi = Phylum <i>Ascomycota</i>
Amphibians = Class <i>Amphibia</i>			Basidiomycota = Phylum <i>Basidiomycota</i>

Change over time in records about biodiversity in Indonesia



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 Indonesia

UNCEN – Cenderawasih University Papuan Butterflies. *Published by University of Cenderawasih*
<https://doi.org/10.15468/4tp4nw>

Plankton, Coral, and Fish Data near Duyung PSC (Natuna Sea). *Published by Conrad Asia Energy*
<https://doi.org/10.15468/8juz78>

Odonata of a heath (kerangas) dominated mosaic forest in Central Kalimantan, Indonesia. *Published by Borneo Nature Foundation*
<https://doi.org/10.15468/r4yhhr>

Biodiversity of Kalimantan, Indonesia. *Published by Wildlife Laboratory, Faculty of Forestry, Universitas Gadjah Mada*
<https://doi.org/10.15468/ys6e4b>

Type collections of Pteridophyte at Herbarium Bogoriense (BO), Indonesia. *Published by Herbarium Bogoriense, National Research and Innovation Agency (BRIN)*
<https://doi.org/10.15468/wg3xae>

Type Collections of Magnoliopsida at Herbarium Bogoriense. *Published by Herbarium Bogoriense, National Research and Innovation Agency (BRIN)*
<https://doi.org/10.15468/tgp64a>

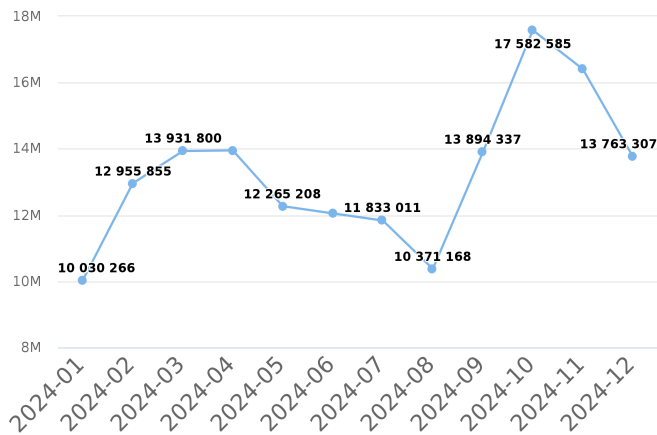
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=ID

Newest publishers from Indonesia

- University of Cenderawasih
- Conrad Asia Energy
- BIONESIA
- Herbarium Bogoriense, National Research and Innovation Agency (BRIN)
- Wildlife Laboratory, Faculty of Forestry, Universitas Gadjah Mada

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

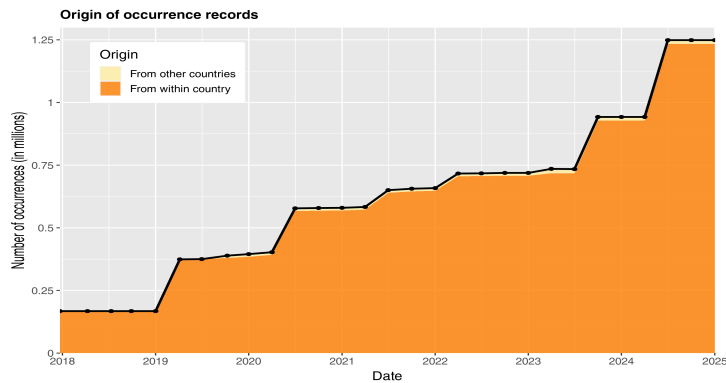
Occurrence records downloaded from GBIF.org, published by institutions in Indonesia



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

Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Indonesia

Rank	Country or area	No. of occurrences
1	Netherlands	1,284,044
2	Indonesia	1,238,563
3	United States of America	741,925
4	United Kingdom	377,331
5	International organization or unknown country	146,534
6	Australia	139,451
7	Japan	96,883
8	Germany	53,350
9	France	43,992
10	Canada	41,872

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

Top datasets contributing data about Indonesia

- EOD – eBird Observation Dataset. 1,153,189 occurrences in Indonesia. (Last updated 27 Sep 2024)
- Naturalis Biodiversity Center (NL) - Botany. 568,026 occurrences in Indonesia. (Last updated 1 Nov 2024)
- iNaturalist Research-grade Observations. 318,651 occurrences in Indonesia. (Last updated 30 Dec 2024)
- Naturalis Biodiversity Center (NL) - Lepidoptera. 226,948 occurrences in Indonesia. (Last updated 13 Dec 2024)
- International Barcode of Life project (iBOL). 131,137 occurrences in Indonesia. (Last updated 7 Aug 2024)

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



Indonesia participates in the following projects coordinated by GBIF

Mobilizing Indonesian butterfly collections at the Museum Zoologi Bogor

BIFA: Biodiversity Information Fund for Asia, 2019–2020

<https://www.gbif.org/project/7eiE5rUXXcsaKBWFidHUGR>

Digitizing and databasing Sumatran flora (part II)

BIFA: Biodiversity Information Fund for Asia, 2019–2020

Flora Sumatra: Digitizing and databasing specimens of the Sumatran Flora deposited at Herbarium Universitas Andalas (ANDA)-Part 2

<https://www.gbif.org/project/5Wmck0MwNFTJJD6GmxhkVB>

The Biodiversity Theses Database

BIFA: Biodiversity Information Fund for Asia, 2018–2019

Collecting biodiversity information data from student theses.

<https://www.gbif.org/project/lbJtcnYiuykmyWWQWI4I2>

Digitizing and databasing Sumatran flora

BIFA: Biodiversity Information Fund for Asia, 2018–2019

The project will digitize and manage around 12,000 sheets of angiosperm specimens from the collections at the Universitas Andalas Herbarium (ANDA) through an online database built to utilise further specimens held in the collection.

<https://www.gbif.org/project/79xWnS4oHm4y2AMlY0qo4q>

Mobilizing Indonesian butterfly collections at the Museum Zoologi Bogor (II)

BIFA: Biodiversity Information Fund for Asia, 2020–2021

This project aims to build on a successful first phase to digitize and mobilize additional Lepidoptera specimen data from one of the region's most important collections

<https://www.gbif.org/project/3juOTO9Gd36Ck25s0HrWVZ>

Biodiversity monitoring using eDNA metabarcoding in the Savu Sea, Indonesia

BIFA: Biodiversity Information Fund for Asia, 2021–2023

https://www.gbif.org/project/BIFA6_021

Digitization and mobilization of specimen data from Indonesia's Herbarium Bogoriense

BIFA: Biodiversity Information Fund for Asia, 2021–2023

https://www.gbif.org/project/BIFA6_014

Supporting conservation through mobilizing ecological data from Kalimantan, Indonesia

BIFA: Biodiversity Information Fund for Asia, 2020–2022

The project will focus on sharing data and skills to increase information on the flora and fauna of Kalimantan in Borneo

<https://www.gbif.org/project/S7cHmPDxJ6ydlkgX3QXH>

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