

generated January 2026

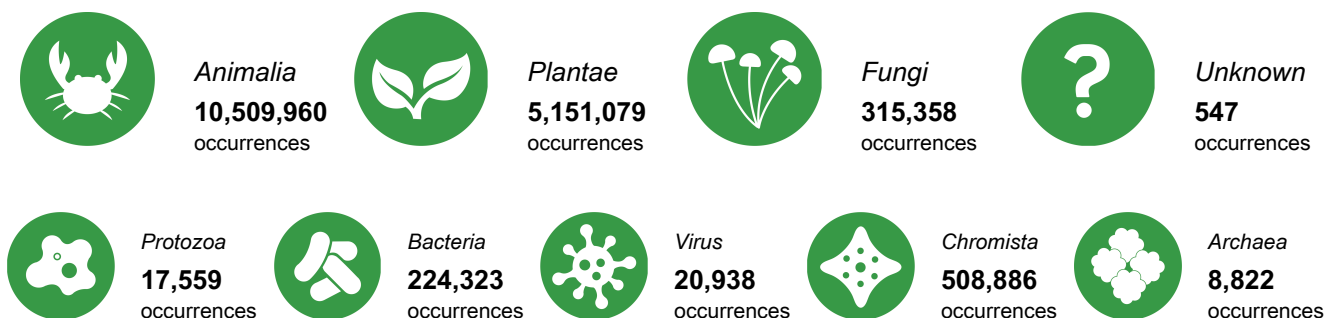
Japan

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 Japan. 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.

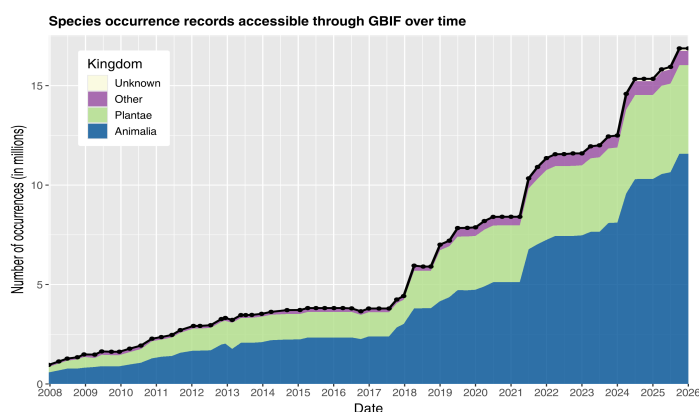
► Access and usage



► Data availability in Japan



► Data mobilization

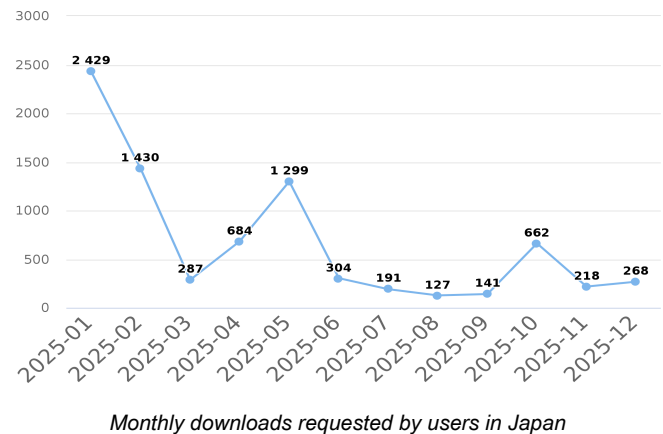
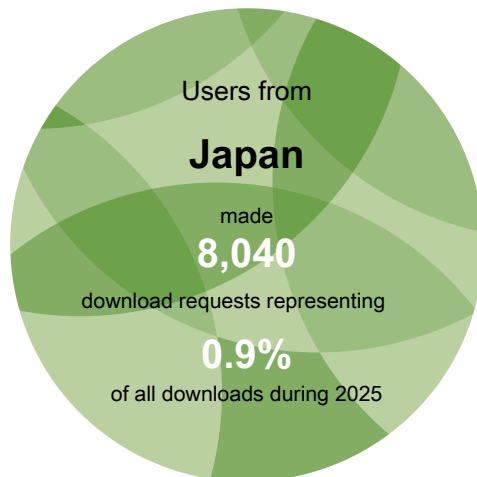


Number of records published by institutions in Japan,
categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Japan



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

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 Japan.

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

Liao, Sakagami, Lewin *et al.* (2025) Animal–chlorophyte photosymbioses: evolutionary origins and ecological diversity. *Biology Letters*.

<https://doi.org/10.1098/rsbl.2025.0250>

Faridah, Kawai, Figyantika *et al.* (2025) Intraspecific variations in relative growth rate and eco-physiological properties of *Falcataria falcata* (L.) Greuter & R.Rankin seedlings among Southeast Asian and Melanesian populations. *Trees*.

<https://doi.org/10.1007/s00468-025-02652-8>

Nguyen, Nguyen-Le, Huynh. (2025) On the southernmost record of fish genus *Pseudohemiculter* Nichols & Pope, 1927 and new record of *P. dispar* (Peters, 1881) (Cypriniformes, Xenocypridae) from Phu Yen Province, Vietnam. *Check List*.

<https://doi.org/10.15560/21.4.666>

Lukman, Shitara, Aihara *et al.* (2025) Climate-driven niche dynamics of endangered *Castanopsis argentea* and *C. tungurrut* in Indonesia. *Plant Ecology*.

<https://doi.org/10.1007/s11258-025-01550-w>

Fujii, Kobatake, Niki *et al.* (2025) The Genetic Structure and Demographic History of *Potentilla discolor* (Rosaceae), a Grassland Plant in East Asia, Based on Genome-Wide SNP Markers. *Acta Phytotaxonomica et Geobotanica*.



Data availability

Total data available for selected taxonomic groups in Japan



Mammals
182,855
occurrences



Birds
3,895,090
occurrences



Bony fish
947,106
occurrences



Amphibians
59,611
occurrences



Insects
2,425,700
occurrences



Reptiles
46,753
occurrences



Molluscs
660,563
occurrences



Arachnids
59,951
occurrences



Flowering plants
3,795,964
occurrences



Ferns
812,063
occurrences



Gymnosperms
72,764
occurrences



Mosses
234,980
occurrences



Sac fungi
142,950
occurrences



Basidiomycota
152,000
occurrences

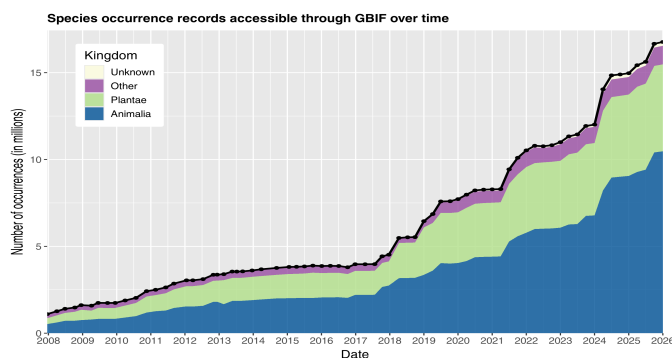
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

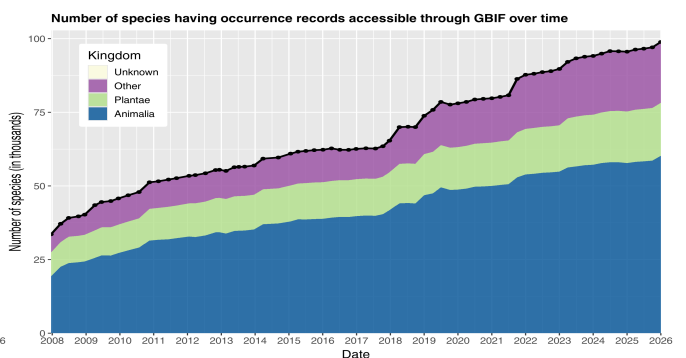
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Japan



Occurrence records available about species occurring in Japan



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

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 Japan

Simultaneous surveys of littoral organisms in Osaka Bay in 2024. *Published by National Museum of Nature and Science, Japan*

<https://doi.org/10.15468/8ym28a>

Rocky shore macrobiota of southeastern Osaka Bay: Results of surveys. *Published by National Museum of Nature and Science, Japan*

<https://doi.org/10.15468/3amgzu>

Large benthic foraminifers around Japanese Islands. *Published by National Museum of Nature and Science, Japan*

<https://doi.org/10.15468/v52rrf>

Image collection in the Coral Reef Network WEB System: A snapshot of the fauna and flora around the coral reefs of the Ryukyu Islands from 2002 to 2013. *Published by National Museum of Nature and Science, Japan*

<https://doi.org/10.48518/00027>

Environmental baseline data in abyssal plain off Minami Torishima based on 18S rRNA gene obtained from the 2022 cruise. *Published by National Museum of Nature and Science, Japan*

<https://doi.org/10.48518/00018>

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

Newest publishers from Japan

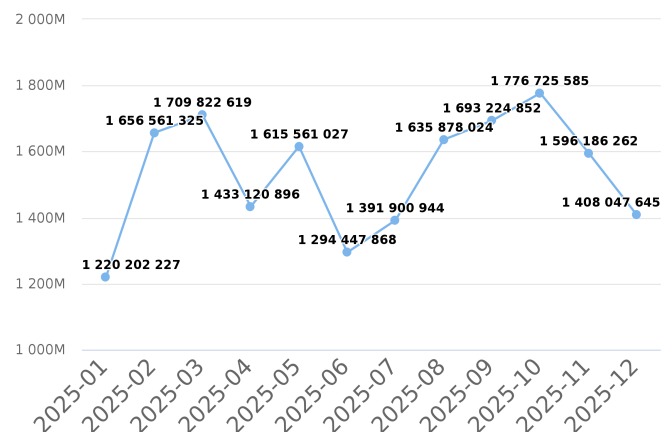
National Institute for Environmental Studies

National Museum of Nature and Science, Japan

National Institute of Genetics, ROIS

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

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

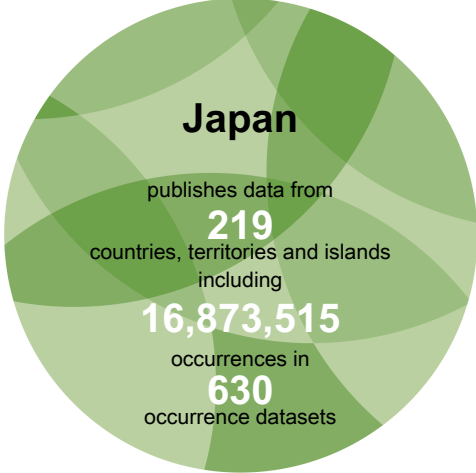
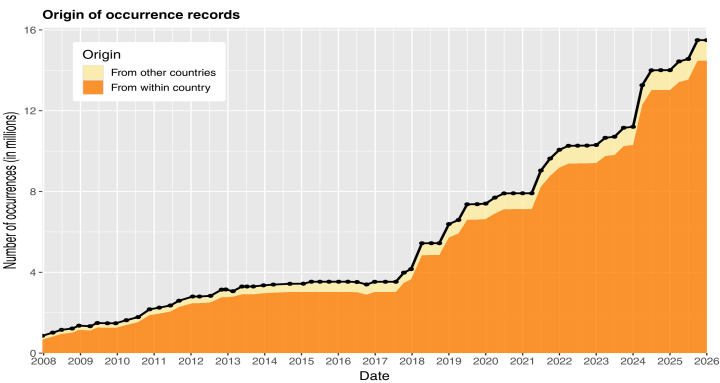


Number of occurrence records downloaded via
GBIF.org published by institutions in Japan



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Japan

Rank	Country or area	No. of occurrences
1	Japan	14,474,257
2	United States of America	1,021,517
3	United Kingdom	573,521
4	China	144,607
5	Germany	97,778
6	International organization or unknown country	89,594
7	Netherlands	89,243
8	Sweden	74,426
9	France	42,742
10	Australia	42,724

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

Top datasets contributing data about Japan

- EOD – eBird Observation Dataset. 2,953,249 occurrences in Japan. (Last updated 29 Oct 2025)
- Environmental baseline data in abyssal plain off Minami Torishima based on megafauna occurrence. 977,008 occurrences in Japan. (Last updated 1 Feb 2024)
- FRA-PLANKTON DATASET. 697,283 occurrences in Japan. (Last updated 28 Apr 2021)
- iNaturalist Research-grade Observations. 583,302 occurrences in Japan. (Last updated 31 Dec 2025)
- Vascular plant specimens of National Museum of Nature and Science (TNS). 526,459 occurrences in Japan. (Last updated 3 Mar 2025)

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