

generated January 2026

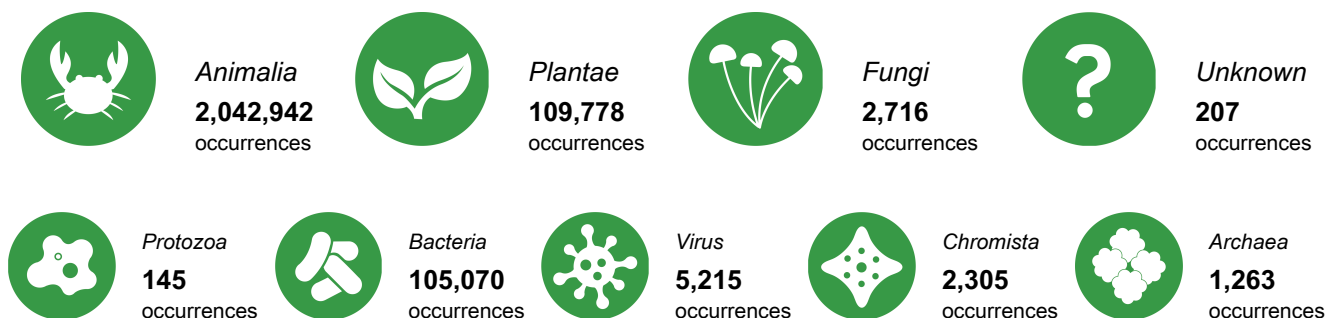
Hong Kong

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 Hong Kong. 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.

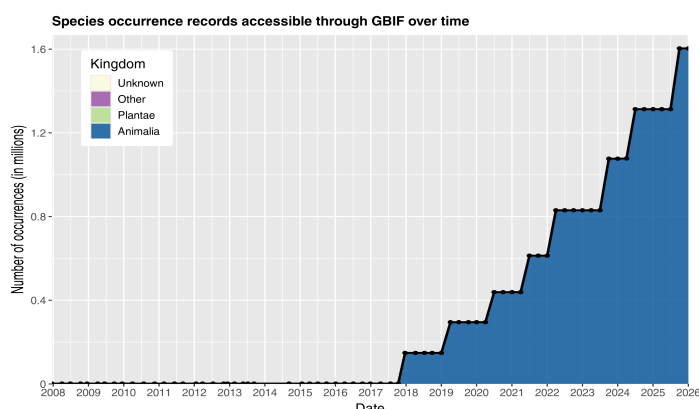
► Access and usage



► Data availability in Hong Kong



► Data mobilization

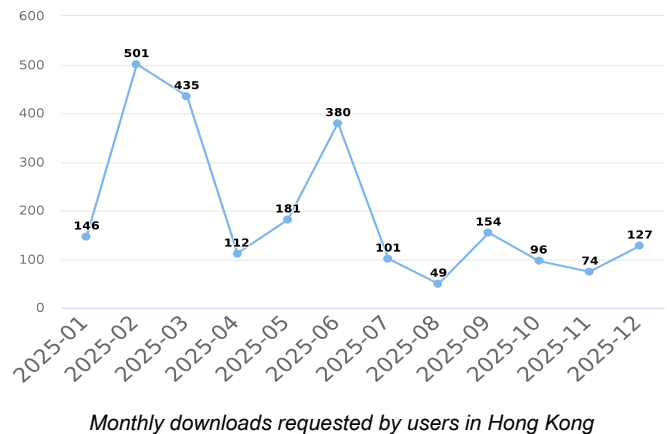
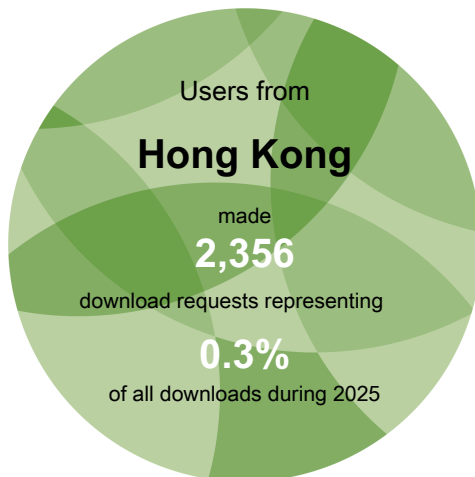


Number of records published by institutions in Hong Kong, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Hong Kong



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

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 Hong Kong.

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

Tomlinson, Yu, Wang *et al.* (2025) The macroecology of spines on woody plants. *Biological Reviews*.
<https://doi.org/10.1111/brv.70051>

Xie, Jim. (2025) Mapping the Online Trade of Endangered Taxus (Yew): Implications for Conservation in China. *Economic Botany*.
<https://doi.org/10.1007/s12231-025-09649-x>

Chen, Sin. (2025) Genomic Signatures and Demographic History of the Widespread and Critically Endangered Yellow-Breasted Bunting. *Molecular Ecology*.
<https://doi.org/10.1111/mec.70002>

Li, Nazarova, Ip *et al.* (2025) Resolving the Genetic Divergence and Population Structure in the Circumpolar Ophiuroid *Ophiura sarsii* Complex. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15184>

Pekar, Lytras, Ghafari *et al.* (2025) The recency and geographical origins of the bat viruses ancestral to SARS-CoV and SARS-CoV-2. *Cell*.
<https://doi.org/10.1016/j.cell.2025.03.035>

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



Data availability

Total data available for selected taxonomic groups in Hong Kong



Mammals
5,508
occurrences



Birds
1,669,759
occurrences



Bony fish
14,381
occurrences



Amphibians
11,903
occurrences



Insects
274,192
occurrences



Reptiles
17,205
occurrences



Molluscs
14,714
occurrences



Arachnids
18,721
occurrences



Flowering plants
101,632
occurrences



Ferns
6,397
occurrences



Gymnosperms
428
occurrences



Mosses
210
occurrences



Sac fungi
1,734
occurrences



Basidiomycota
949
occurrences

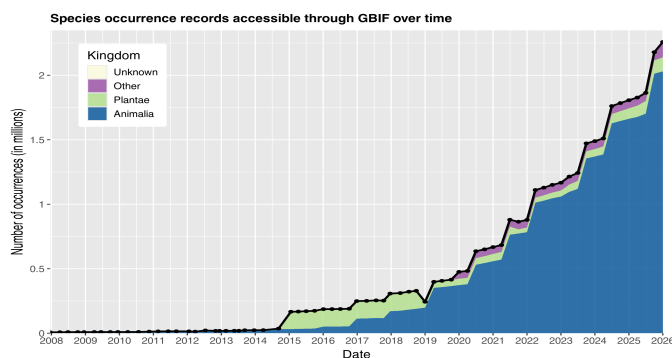
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

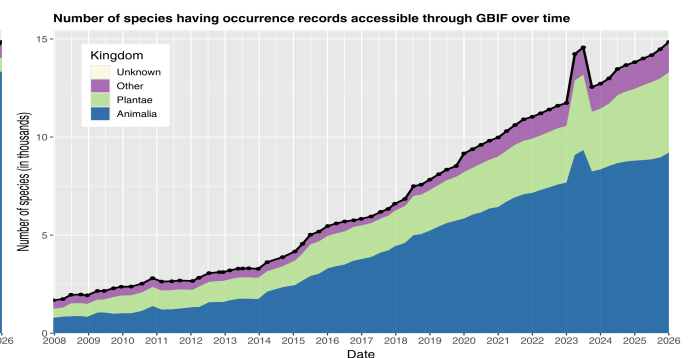
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Hong Kong



Occurrence records available about species occurring in Hong Kong



Species for which at least one occurrence record is available in Hong Kong

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 Hong Kong

Bauhinia Genome Presents: Bauhinia Watch. *Published by GigaScience Press*

<https://doi.org/10.15468/6tyj4y>

Jellyfish in Hong Kong: a citizen science dataset. *Published by GigaScience Press*

<https://doi.org/10.15468/s4qwyk>

Data from: Rodent trapping studies as an overlooked information source for understanding endemic and novel zoonotic spillover. *Published by GigaScience Press*

<https://doi.org/10.15468/zr6frj>

Lingnan University Amphibian and Reptile Specimens (Arctos). *Published by Lingnan University*

<https://doi.org/10.15468/ywvt9k>

The University of Hong Kong Herbarium. *Published by The Hong Kong University Herbarium*

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

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

Newest publishers from Hong Kong

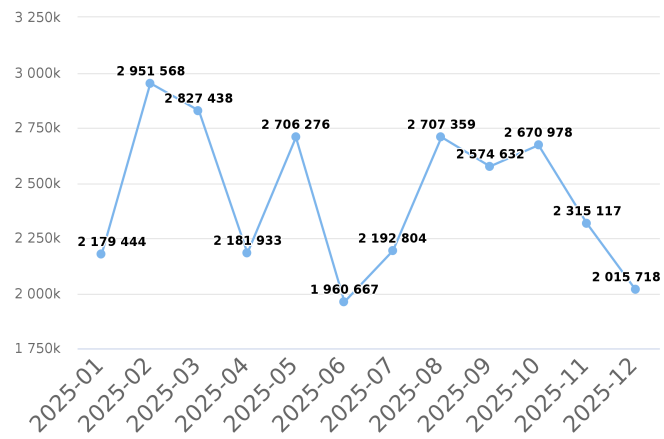
Lingnan University

GigaScience Press

The Hong Kong University Herbarium

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

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

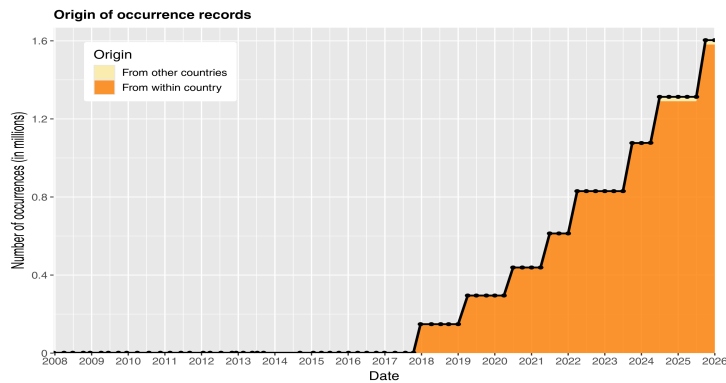


Number of occurrence records downloaded via GBIF.org published by institutions in Hong Kong

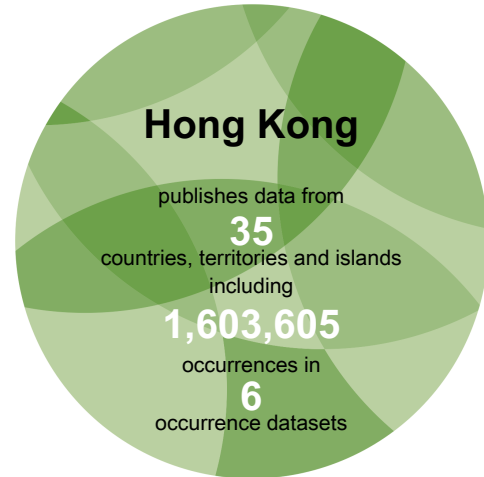


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Hong Kong

Rank	Country or area	No. of occurrences
1	Hong Kong	1,580,717
2	United States of America	482,726
3	United Kingdom	91,938
4	Germany	57,461
5	Canada	25,058
6	Australia	8,332
7	Netherlands	7,630
8	Taiwan	3,529
9	France	3,000
10	International organization or unknown country	2,136

Table 1. Ranking of countries or areas contributing data about Hong Kong

Top datasets contributing data about Hong Kong

EOD – eBird Observation Dataset. 1,579,236 occurrences in Hong Kong. (Last updated 29 Oct 2025)

iNaturalist Research-grade Observations. 511,371 occurrences in Hong Kong. (Last updated 31 Dec 2025)

Microbial Community Database (MiCoDa). A curated global 16S rRNA gene amplicon dataset from all environments. 56,134 occurrences in Hong Kong. (Last updated 23 Oct 2025)

Composition and Genetic Diversity of Microbial Communities in Subtropical Coastal Wetland Sediments. 49,553 occurrences in Hong Kong. (Last updated 24 Sep 2025)

Royal Botanic Gardens, Kew - Herbarium Specimens. 16,269 occurrences in Hong Kong. (Last updated 2 Jan 2026)

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