



generated January 2025

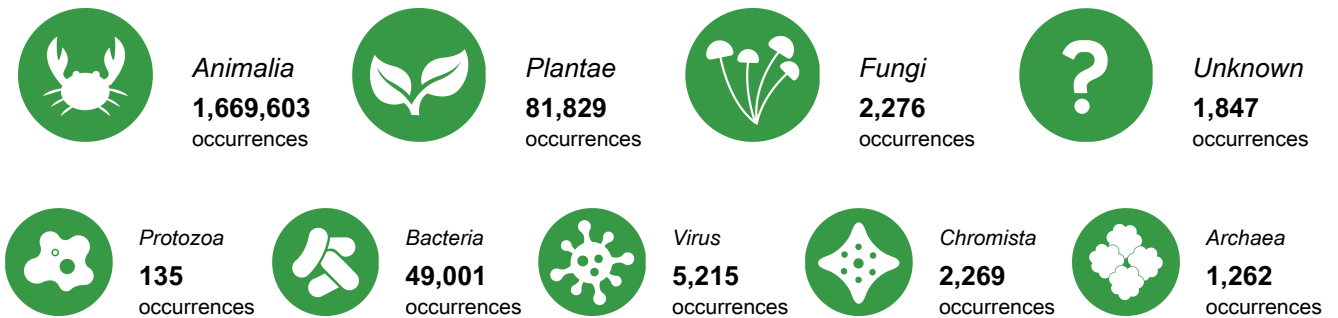
Hong Kong

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.

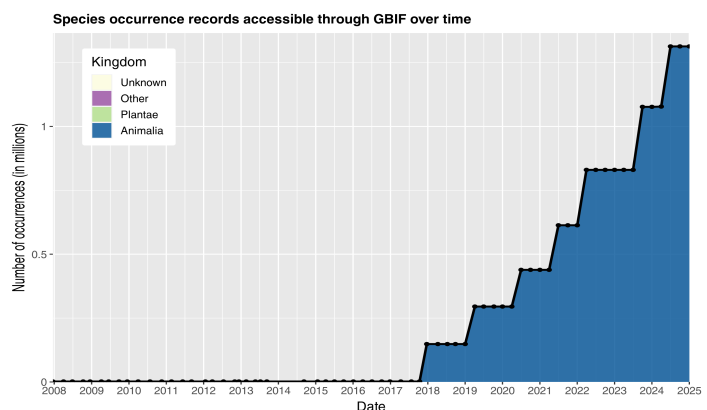
► Access and usage



► Data availability in Hong Kong



► Data mobilization

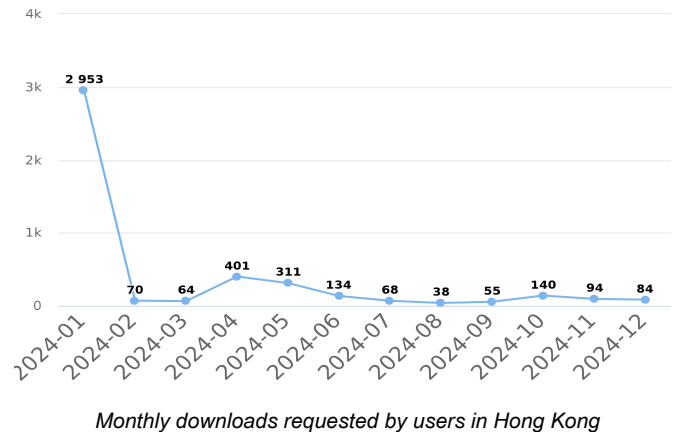
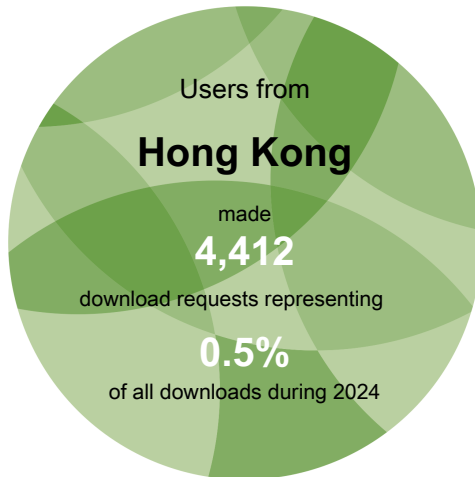


Number of records published by institutions in Hong Kong, categorized by kingdom



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.

Cloutier, Chan, Poon *et al.* (2024) The genetic consequences of historic climate change on the contemporary population structure of a widespread temperate North American songbird. *Molecular Phylogenetics and Evolution*.

<https://doi.org/10.1016/j.ympev.2024.108216>

Jiang, Zhao, Wang *et al.* (2024) Deciphering the evolution and biogeography of ant-ferns *Lecanopteris* s.s. *Molecular Phylogenetics and Evolution*.

<https://doi.org/10.1016/j.ympev.2024.108199>

Kalarikkal, Park, Georgiadis *et al.* (2024) Current and Future Distribution of the *Cataglyphis nodus* (Brullé, 1833) in the Middle East and North Africa. *Diversity*.

<https://doi.org/10.3390/d16090563>

Guzman, Elle, Morandin *et al.* (2024) Impact of pesticide use on wild bee distributions across the United States. *Nature Sustainability*.

<https://doi.org/10.1038/s41893-024-01413-8>

Bonebrake, Tsang, Yu *et al.* (2024) Tropical cities as windows into the ecosystems of our present and future. *Biotropica*.

<https://doi.org/10.1111/btp.13369>

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
4,024
occurrences



Birds
1,358,934
occurrences



Bony fish
11,620
occurrences



Amphibians
10,064
occurrences



Insects
226,571
occurrences



Reptiles
14,309
occurrences



Molluscs
12,791
occurrences



Arachnids
17,221
occurrences



Flowering plants
76,583
occurrences



Ferns
3,824
occurrences



Gymnosperms
401
occurrences



Mosses
190
occurrences



Sac fungi
1,524
occurrences



Basidiomycota
724
occurrences

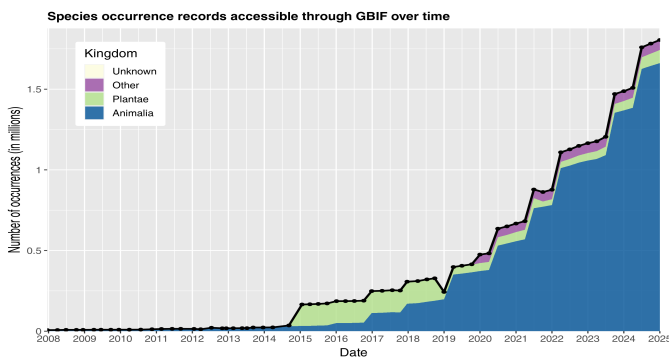
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

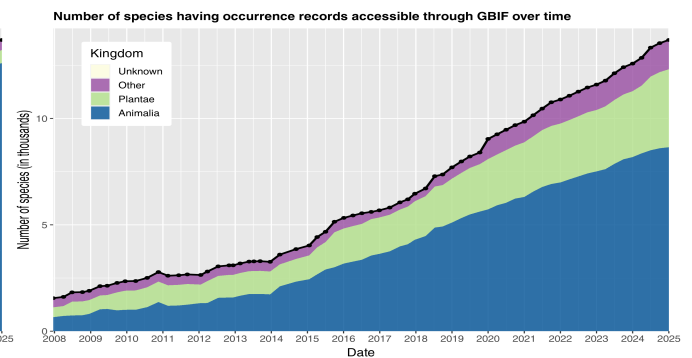
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

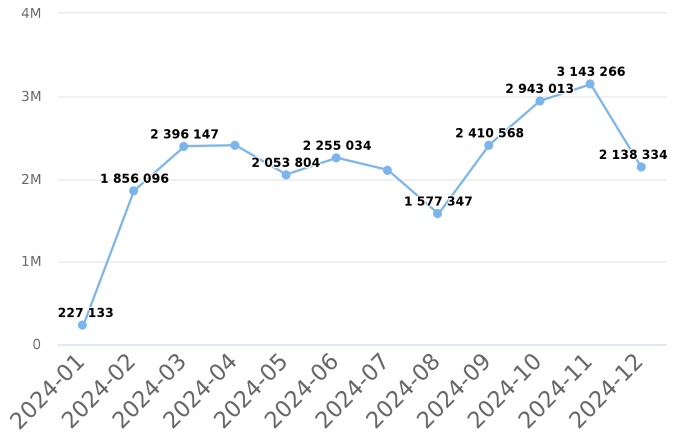
Lingnan University

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

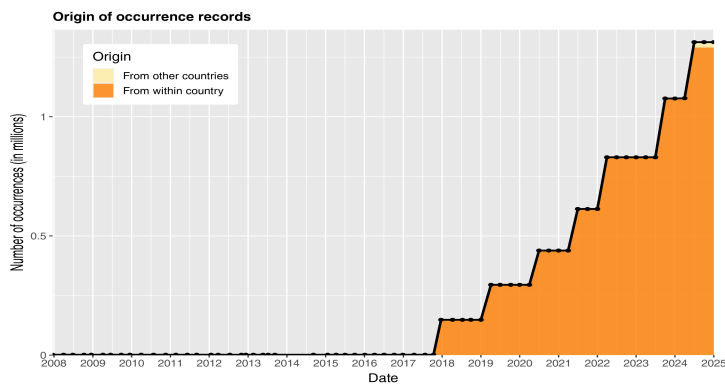


Number of occurrence records downloaded via GBIF.org published by institutions in Hong Kong

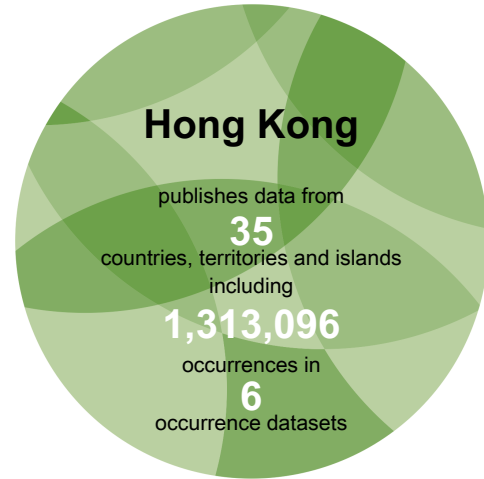


Data mobilization

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	1,290,207
2	United States of America	388,186
3	United Kingdom	80,907
4	Canada	23,038
5	Australia	7,902
6	Netherlands	7,657
7	Taiwan	3,337
8	France	2,824
9	Germany	1,295
10	International organization or unknown country	1,286

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

Top datasets contributing data about Hong Kong

EOD – eBird Observation Dataset. 1,288,726 occurrences in Hong Kong. (Last updated 27 Sep 2024)

iNaturalist Research-grade Observations. 412,803 occurrences in Hong Kong. (Last updated 30 Dec 2024)

Composition and Genetic Diversity of Microbial Communities in Subtropical Coastal Wetland Sediments. 49,553 occurrences in Hong Kong. (Last updated 30 Sep 2022)

Royal Botanic Gardens, Kew - Herbarium Specimens. 8,702 occurrences in Hong Kong. (Last updated 2 Jan 2025)

INSDC Host Organism Sequences. 6,242 occurrences in Hong Kong. (Last updated 4 Jan 2025)

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