Mongolia
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 Mongolia. 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

Researchers from Mongolia contributed to 3 peer-reviewed articles citing GBIF use during 2023 and a total of 12 articles since 2008.

▶ Data availability in Mongolia

- Animalia: 497,177 occurrences
- Plantae: 76,477 occurrences
- Fungi: 3,432 occurrences
- Unknown: 1,152 occurrences
- Protozoa: 152 occurrences
- Bacteria: 636 occurrences
- Virus: 2,756 occurrences
- Chromista: 319 occurrences
- Archaea: 4 occurrences

▶ Data mobilization

Institutions from Mongolia published 61,229 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.
Access and usage

Data downloads on GBIF.org from users in Mongolia

Users from Mongolia made 75 download requests representing 0.0% of all downloads during 2023.

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

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 Mongolia.

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


Molnár, Demeter, Biró et al. (2023) Is there a massive glacial–Holocene flora continuity in Central Europe?. Biological Reviews. https://doi.org/10.1111/brv.13007

Tsegmed, Baasanmunkh, Oyundelger et al. (2023) Predicting the current and future suitable habitats, species distribution and conservation assessment of Fritillaria dagana (Liliaceae)☆. Journal of Asia-Pacific Biodiversity. https://doi.org/10.1016/j.japb.2023.01.004


See all research from this country or area gbif.org/country/MN/publications/from
Data availability

Total data available for selected taxonomic groups in Mongolia

- **Mammals**: 17,040 occurrences
- **Birds**: 346,640 occurrences
- **Bony fish**: 660 occurrences
- **Amphibians**: 355 occurrences
- **Insects**: 123,640 occurrences
- **Reptiles**: 1,620 occurrences
- **Molluscs**: 287 occurrences
- **Arachnids**: 1,739 occurrences
- **Flowering plants**: 73,219 occurrences
- **Ferns**: 744 occurrences
- **Gymnosperms**: 1,635 occurrences
- **Mosses**: 624 occurrences
- **Sac fungi**: 2,231 occurrences
- **Basidiomycota**: 785 occurrences

Mammals = Class Mammalia  
Birds = Class Aves  
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

Mosses = Phylum Bryophyta  
Sac fungi = Phylum Ascomycota  
Basidiomycota = Phylum Basidiomycota

Change over time in records about biodiversity in Mongolia

Species occurrence records accessible through GBIF over time

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

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 Mongolia

Mongolian Plant (MMNH-PL). Published by Mongolia Natural History Museum
https://doi.org/10.15468/kbb83z

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

Newest publishers from Mongolia

Mongolia Natural History Museum

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

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

Number of occurrence records downloaded via GBIF.org published by institutions in Mongolia
Data mobilization

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

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

Top data contributors about biodiversity in Mongolia

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mongolia</td>
<td>209,704</td>
</tr>
<tr>
<td>2</td>
<td>Republic of Korea</td>
<td>108,828</td>
</tr>
<tr>
<td>3</td>
<td>Hungary</td>
<td>105,985</td>
</tr>
<tr>
<td>4</td>
<td>United States of America</td>
<td>62,497</td>
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<tr>
<td>5</td>
<td>Russian Federation</td>
<td>37,759</td>
</tr>
<tr>
<td>6</td>
<td>Netherlands</td>
<td>20,899</td>
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<tr>
<td>7</td>
<td>United Kingdom</td>
<td>9,954</td>
</tr>
<tr>
<td>8</td>
<td>Germany</td>
<td>7,235</td>
</tr>
<tr>
<td>9</td>
<td>International organization</td>
<td>4,838</td>
</tr>
<tr>
<td></td>
<td>or unknown country</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Switzerland</td>
<td>2,409</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Mongolia

EOD – eBird Observation Dataset. 208,395 occurrences in Mongolia. (Last updated 20 Aug 2023)

Database of invertebrates collected in Mongolia. 105,985 occurrences in Mongolia. (Last updated 31 May 2018)

iNaturalist Research-grade Observations. 28,207 occurrences in Mongolia. (Last updated 2 Jan 2024)

Moscow University Herbarium (MW). 27,849 occurrences in Mongolia. (Last updated 27 Dec 2023)

2021_nsmk_biodiversity_observations_bi_eagle_43792. 27,297 occurrences in Mongolia. (Last updated 31 Oct 2022)

See all contributing countries and areas or datasets: gbif.org/country/MN/about
Mongolia participates in the following projects coordinated by GBIF

Checklist of mammals in the southwestern Mongolian-Manchurian Ecoregion

*BIFA: Biodiversity Information Fund for Asia, 2017–2018*

This project will use camera traps, field transects and live traps to close knowledge gaps about mammalian species distribution across the grasslands in the extreme southwest corner of the Mongolian-Manchurian Ecoregion.

[https://www.gbif.org/project/83223](https://www.gbif.org/project/83223)

See all GBIF projects

[gbif.org/resource/search?contentype=project](http://gbif.org/resource/search?contenttype=project)