

generated January 2025

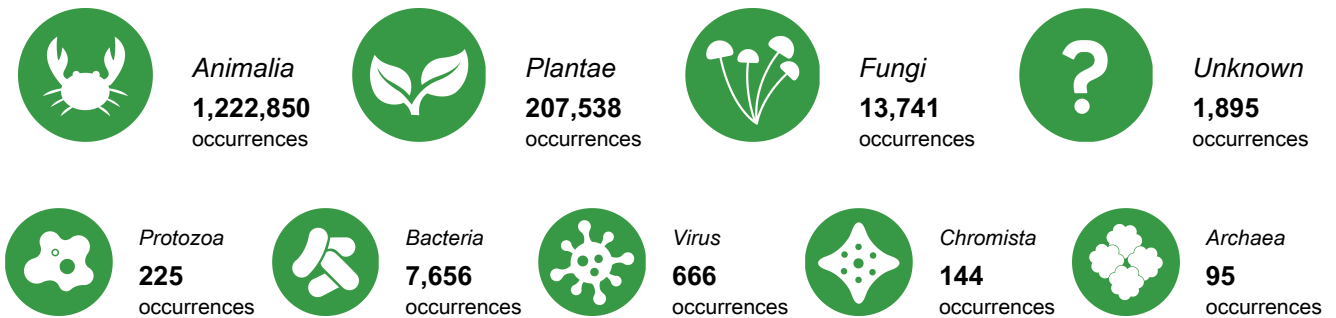
Nepal

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 Nepal. 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.

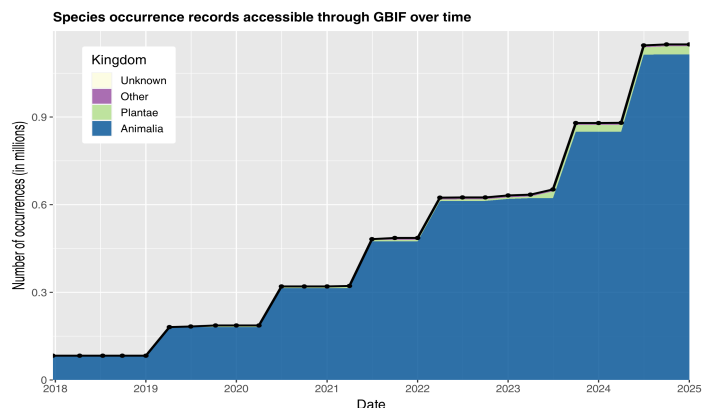
► Access and usage



► Data availability in Nepal



► Data mobilization

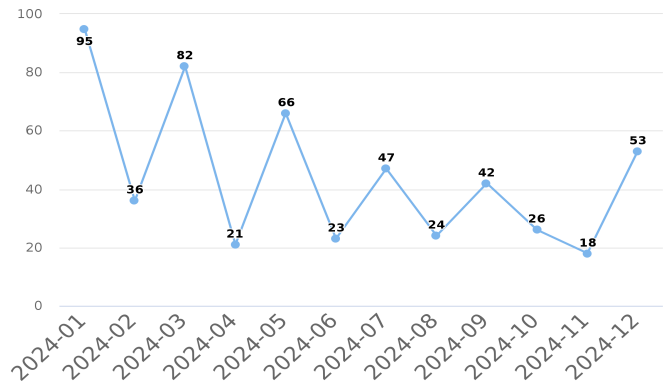
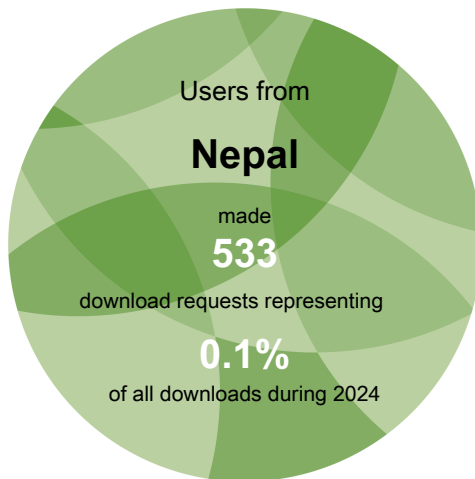


Number of records published by institutions in Nepal, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Nepal



Monthly downloads requested by users in Nepal

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

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 Nepal.

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

Sigdel, Zheng, Babst *et al.* (2024) Accelerated succession in Himalayan alpine treelines under climatic warming. *Nature Plants*.

<https://doi.org/10.1038/s41477-024-01855-0>

Mweu, Onditi, Khanal *et al.* (2024) Comparative Phylogeography of Two Specialist Rodents in Forest Fragments in Kenya. *Life*.

<https://doi.org/10.3390/life14111469>

Khadka, Baral, Pieroni *et al.* (2024) Ecology, ethnobotany, distribution, conservation and potential use of *Prunus napaulensis* (Ser.) Steud. in Nepal. *Genetic Resources and Crop Evolution*.

<https://doi.org/10.1007/s10722-024-02187-w>

Otis, Huang, Kitnya *et al.* (2024) The distribution of *Apis laboriosa* revisited: range extensions, biogeographic affinities, and species distribution modelling. *Frontiers in Bee Science*.

<https://doi.org/10.3389/frbee.2024.1374852>

Hofmann, Rödder, Andermann *et al.* (2024) Exploring Paleogene Tibet's warm temperate environments through target enrichment and phylogenetic niche modelling of Himalayan spiny frogs (Paini, Dicroglossidae). *Molecular Ecology*.

<https://doi.org/10.1111/mec.17446>

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



Data availability

Total data available for selected taxonomic groups in Nepal



Mammals
12,093
occurrences



Birds
1,148,357
occurrences



Bony fish
3,562
occurrences



Amphibians
9,326
occurrences



Insects
39,921
occurrences



Reptiles
2,197
occurrences



Molluscs
993
occurrences



Arachnids
2,876
occurrences



Flowering plants
182,370
occurrences



Ferns
14,575
occurrences



Gymnosperms
1,616
occurrences



Mosses
5,431
occurrences



Sac fungi
7,922
occurrences



Basidiomycota
5,351
occurrences

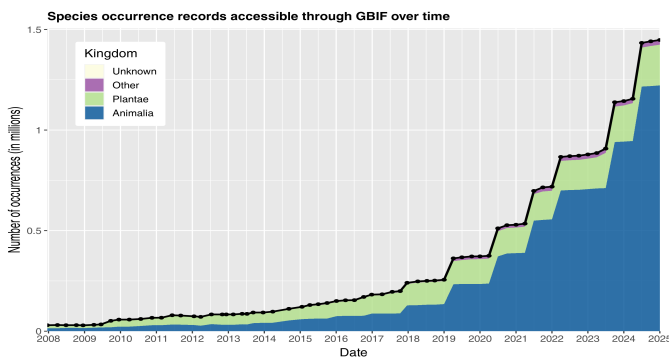
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

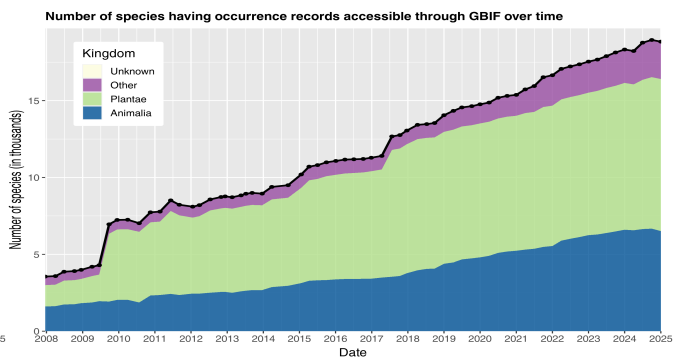
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Nepal



Occurrence records available about species occurring in Nepal



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

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 Nepal

Angiosperm specimens preserved at NHM, TU, Nepal. *Published by Natural History Museum, Tribhuvan University*
<https://doi.org/10.15468/xtrjuf>

Himalayan Pollinator Patrol | हिमालयन पोलिनेटर पट्रोल. *Published by Nature Conservation and Study Centre (NCSC)*
<https://doi.org/10.15468/5grzp6>

Pisces specimen from NHM, Nepal. *Published by Natural History Museum, Tribhuvan University*
<https://doi.org/10.15468/5jwk6b>

Herpetofauna specimen preserved at Natural History Museum, Nepal. *Published by Natural History Museum, Tribhuvan University*
<https://doi.org/10.15468/gdtkeu>

Bryophyte specimens preserved at Natural History Museum, Nepal. *Published by Natural History Museum, Tribhuvan University*
<https://doi.org/10.15468/kjt5w2>

Rangeland vegetation of Olangchung Gola, Eastern Himalaya, Nepal. *Published by Resources Himalaya Foundation*
<https://doi.org/10.15468/vfm22m>

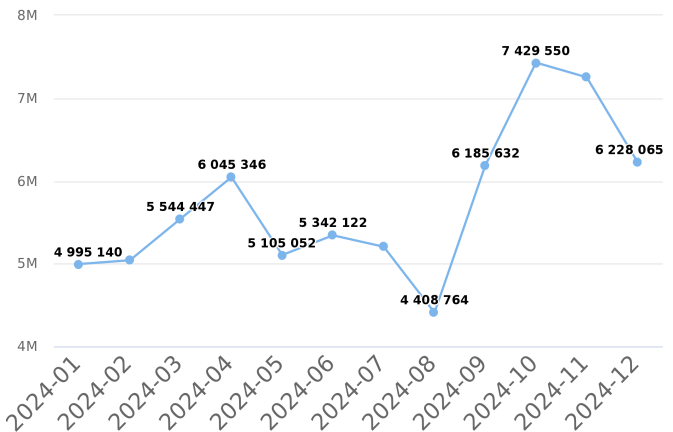
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=NP

Newest publishers from Nepal

- Resources Himalaya Foundation
- Mechi Multiple Campus
- Environment Protection And Study Center
- Nature Conservation and Study Centre (NCSC)
- Small Mammals Conservation and Research Foundation

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

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

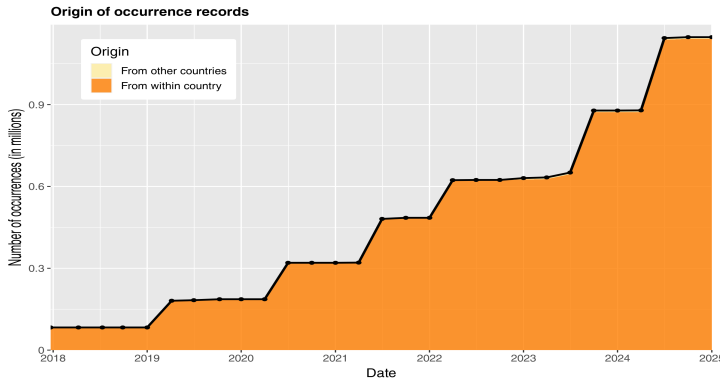


Number of occurrence records downloaded via GBIF.org published by institutions in Nepal



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Nepal

Rank	Country or area	No. of occurrences
1	Nepal	1,142,134
2	United Kingdom	96,400
3	United States of America	66,554
4	Netherlands	34,420
5	Japan	18,518
6	Colombia	15,440
7	International organization or unknown country	12,832
8	France	11,463
9	Switzerland	9,396
10	Germany	9,385

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

Top datasets contributing data about Nepal

- EOD – eBird Observation Dataset. 1,102,273 occurrences in Nepal. (Last updated 27 Sep 2024)
- Edinburgh (E) Herbarium Specimens. 45,895 occurrences in Nepal. (Last updated 31 Dec 2024)
- iNaturalist Research-grade Observations. 27,666 occurrences in Nepal. (Last updated 30 Dec 2024)
- Natural History Museum (London) Collection Specimens. 22,325 occurrences in Nepal. (Last updated 3 Jan 2025)
- Occurrence (survey) data of invasive alien plants of Nepal. 17,773 occurrences in Nepal. (Last updated 28 Jun 2023)

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



Nepal participates in the following projects coordinated by GBIF

Enhancing institutional capacity for data management in the Hindu Kush Himalayan region

Capacity Enhancement Support Programme, 2024–2025

<https://www.gbif.org/project/CESP2024-006>

Sharing vertebrate occurrence data from camera traps in Asia

BIFA: Biodiversity Information Fund for Asia, 2021–2023

https://www.gbif.org/project/BIFA6_005

Digitization of mycological collections in Nepal

BIFA: Biodiversity Information Fund for Asia, 2020–2021

This project aims to digitize underrepresented lichens and fungi from herbarium collections deposited in Nepalese herbaria

<https://www.gbif.org/project/1oof3btlISyNanpvIWQYwz>

Mobilizing occurrence data of alien and endemic plant species of Nepal

BIFA: Biodiversity Information Fund for Asia, 2018–2019

This project mobilizes spatial/occurrence data of alien and endemic plant species housed at the National Herbarium and Plant Laboratory and Tribhuvan University Central Herbarium in Kathmandu, Nepal.

<https://www.gbif.org/project/3lvP2nISis66g6ceka6C8e>

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