

generated January 2026

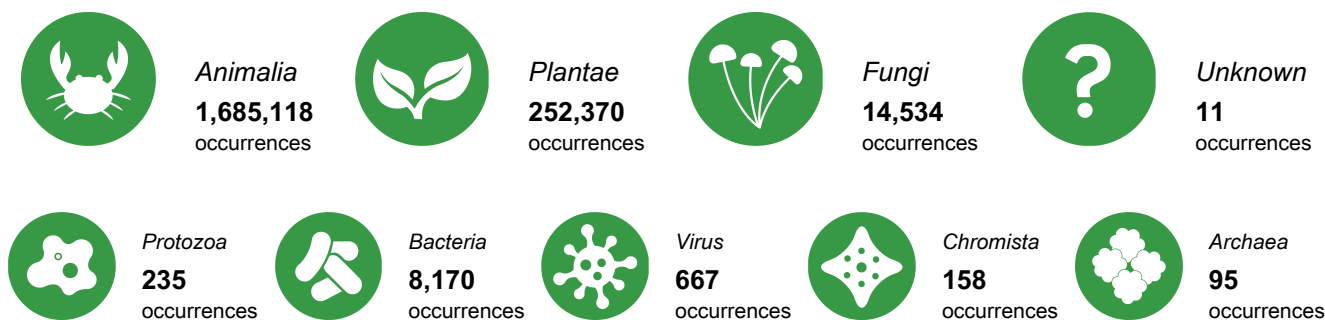
Nepal

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.

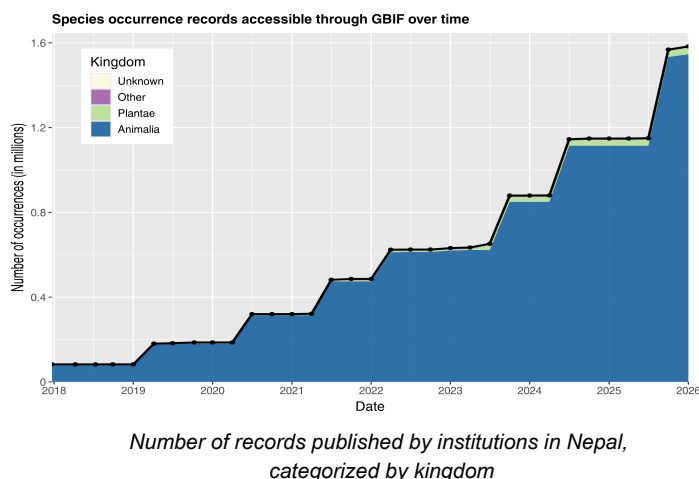
► Access and usage



► Data availability in Nepal



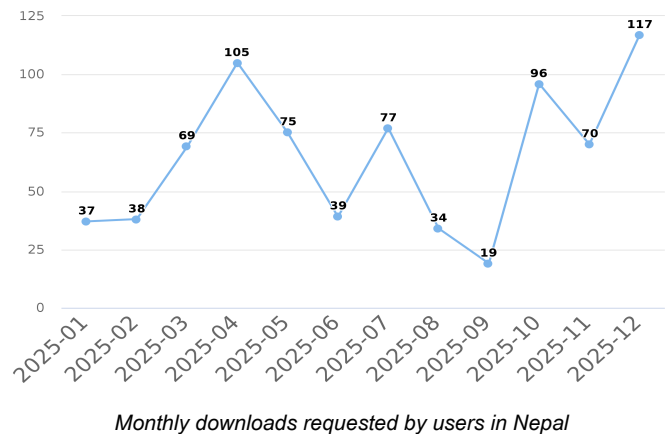
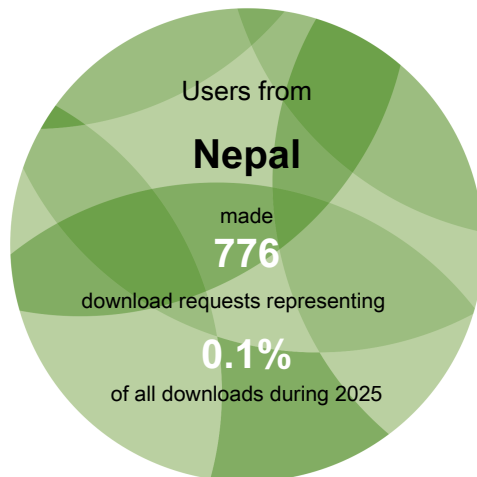
► Data mobilization





Access and usage

Data downloads on GBIF.org from 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.

Bajagain, Kafle, Luitel *et al.* (2025) Modelling the distribution of great hornbill (*Buceros bicornis*) in Nepal: Insights for conservation planning using ensemble species distribution models. *Global Ecology and Conservation*.
<https://doi.org/10.1016/j.gecco.2025.e03787>

Yang, Shrestha, Song *et al.* (2025) Integrating specimen and citizen science data reveals climatic niche expansion and shifts of naturalized plants in China. *New Phytologist*.
<https://doi.org/10.1111/nph.70680>

Khadka, Kunwar, Bussmann *et al.* (2025) Adaptation in ethnobotanical knowledge of *Prunus cerasoides* among different ethnic groups, religions and culture in Nepal. *Trees, Forests and People*.
<https://doi.org/10.1016/j.tfp.2025.100919>

Zhang, Wang, Shi *et al.* (2025) Vegetation types modulate the impact of hydrothermal factors on elevational growth strategies of dominant shrubs at the southeastern margin of Qinghai-Xizang Plateau. *Ecological Frontiers*.
<https://doi.org/10.1016/j.ecofro.2025.06.003>

Thakuri, Basnet, Poudyal *et al.* (2025) Investigating the Trend of the Great Slaty Woodpecker (*Mulleripicus pulverulentus*) Population Status in Western Nepal. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.71671>

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
13,696
occurrences



Birds
1,577,078
occurrences



Bony fish
3,615
occurrences



Amphibians
9,450
occurrences



Insects
70,278
occurrences



Reptiles
2,613
occurrences



Molluscs
1,253
occurrences



Arachnids
3,052
occurrences



Flowering plants
224,792
occurrences



Ferns
16,364
occurrences



Gymnosperms
1,946
occurrences



Mosses
5,566
occurrences



Sac fungi
8,388
occurrences



Basidiomycota
5,841
occurrences

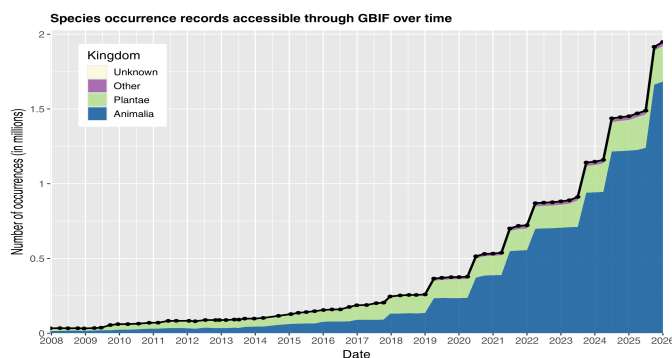
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

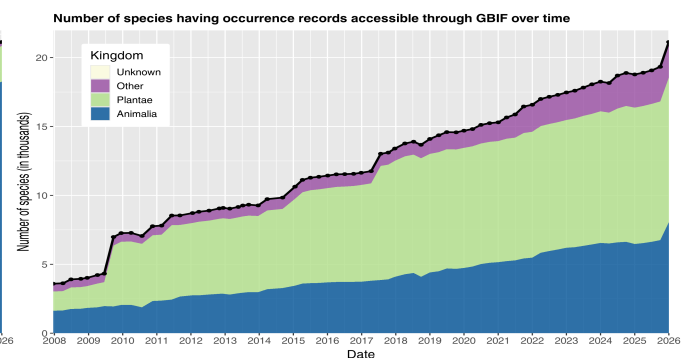
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Lepidoptera Collections of Natural History Museum. *Published by Natural History Museum, Tribhuvan University*

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

Fossil Collections of Natural History Museum. *Published by Natural History Museum, Tribhuvan University*

<https://doi.org/10.15468/kvww6b>

Flora of Annapurna Conservation Area, Central Nepal, Part 1: Specimen-Based Occurrence Records from Manang District (TUCH Collection). *Published by Central Department of Botany, Tribhuvan University*

<https://doi.org/10.15468/hkbrd3>

Monthly Occurrence of Bird Species in Katari Municipality, Udayapur, Koshi Province, Nepal.

Published by College of Natural Resources Management, Katari

<https://doi.org/10.15468/gpvqe8>

Tree density of Dudhila Community Forest, Suyada, Jajarkot. *Published by ForestAction Nepal*

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

Birds of Dhorpatan. *Published by Friends of Nature (FON) Nepal*

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

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

Newest publishers from Nepal

ForestAction Nepal

Plant Research Center, Makawanpur

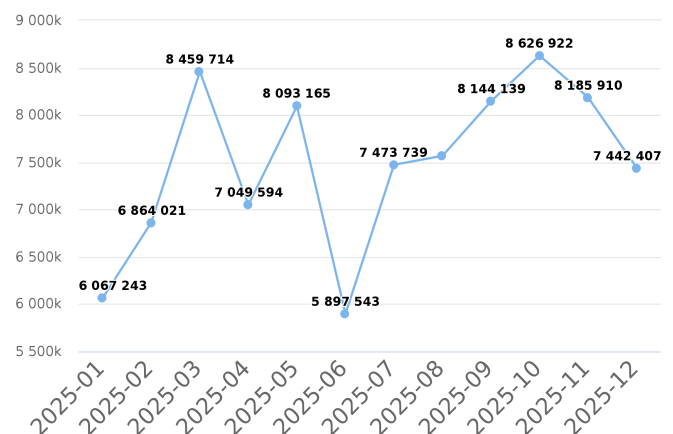
Friends of Nature (FON) Nepal

College of Natural Resources Management, Katari

Resources Himalaya 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

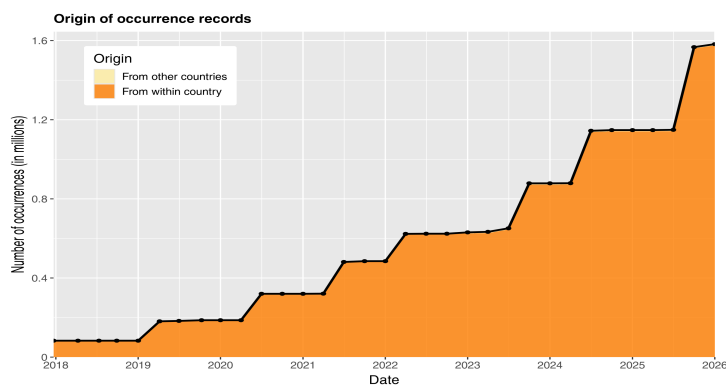


Number of occurrence records downloaded via
GBIF.org published by institutions in Nepal

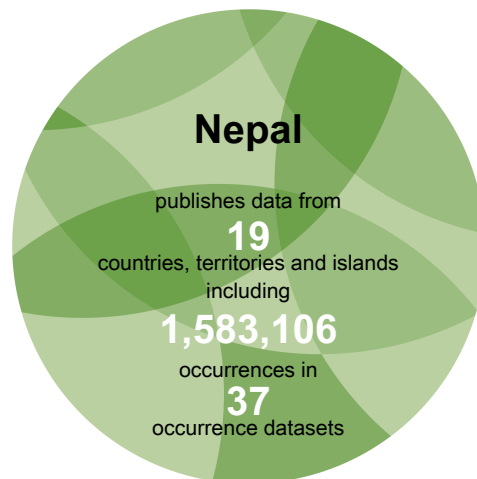


Data mobilization

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	1,576,652
2	United Kingdom	104,705
3	United States of America	84,132
4	Netherlands	46,471
5	Japan	30,552
6	International organization or unknown country	25,669
7	Colombia	15,440
8	Sweden	14,295
9	Switzerland	11,818
10	France	11,743

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

Top datasets contributing data about Nepal

EOD – eBird Observation Dataset. 1,520,193 occurrences in Nepal. (Last updated 29 Oct 2025)

Edinburgh (E) Herbarium Specimens. 46,735 occurrences in Nepal. (Last updated 2 Jan 2026)

iNaturalist Research-grade Observations. 42,330 occurrences in Nepal. (Last updated 31 Dec 2025)

Natural History Museum (London) Collection Specimens. 22,700 occurrences in Nepal. (Last updated 14 Oct 2025)

Naturalis Biodiversity Center (NL) - Lepidoptera. 18,653 occurrences in Nepal. (Last updated 28 Oct 2025)

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/1oof3bltlSyNanpvIWQYwz>

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/3lvP2nlSis66g6ceka6C8e>

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