Activity report
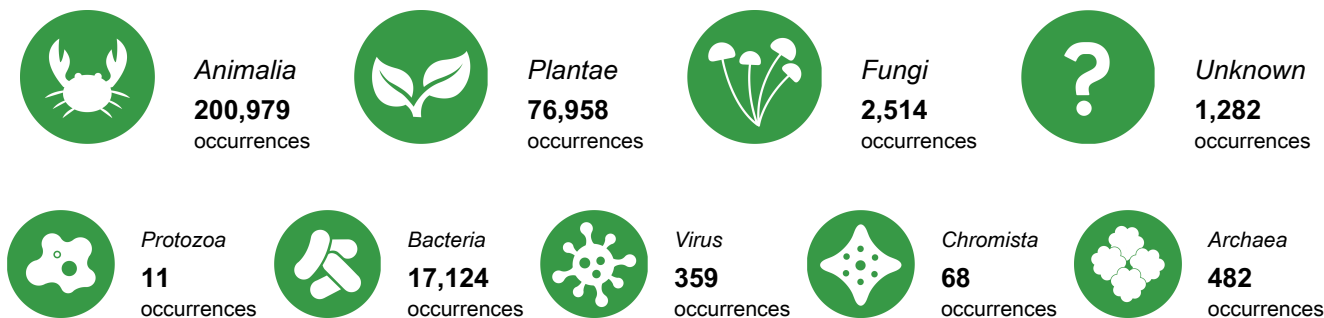
Azerbaijan

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 Azerbaijan. 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.
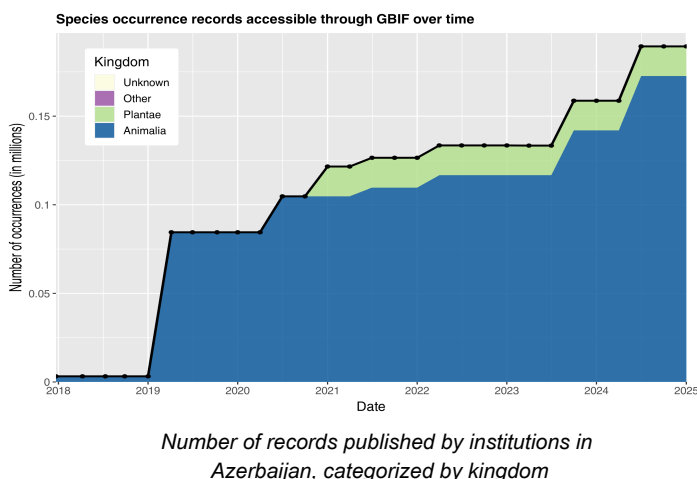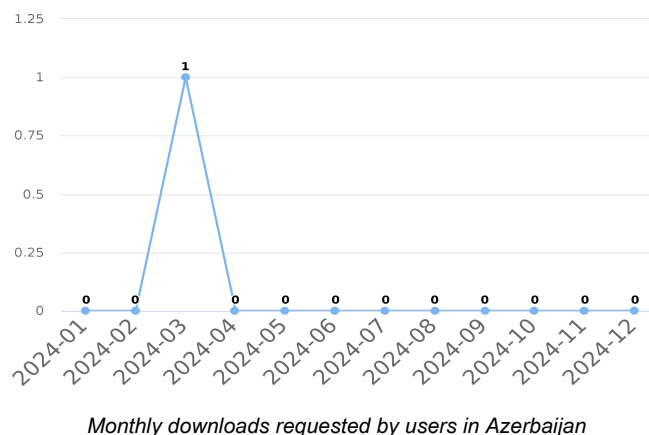
▶ Access and usage

Researchers from

Azerbaijan

contributed to

2

peer-reviewed articles citing GBIF use during 2024 and a total of

7

articles since 2008

▶ Data availability in Azerbaijan

Animalia
200,979
occurrences

Plantae
76,958
occurrences

Fungi
2,514
occurrences

Unknown
1,282
occurrences

Protozoa
11
occurrences

Bacteria
17,124
occurrences

Virus
359
occurrences

Chromista
68
occurrences

Archaea
482
occurrences

▶ Data mobilization

Institutions from

Azerbaijan

published

30,661

new occurrence records during 2024 out of a total of

428,451,251

occurrence records added globally to GBIF.org

Species occurrence records accessible through GBIF over time

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

Access and usage

Data downloads on GBIF.org from users in Azerbaijan

Users from

Azerbaijan

made

1

download requests representing

0.0%

of all downloads during 2024

Monthly downloads requested by users in Azerbaijan

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

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 Azerbaijan.

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

Rindos, Yakovlev, McLachlan Hamilton *et al.* (2024) Phylogeography and bioclimatic models revealed a complicated genetic structure and future range shifts of Lymantria monacha L.. *Zoologica Scripta.* https://doi.org/10.1111/zsc.12679

Sękiewicz, Salvà-Catarineu, Walas *et al.* (2024) Consequence of habitat specificity: a rising risk of habitat loss for endemic and sub-endemic woody species under climate change in the Hyrcanian ecoregion. *Regional Environmental Change.* https://doi.org/10.1007/s10113-024-02222-7

Beridze, Sękiewicz, Walas *et al.* (2023) Biodiversity protection against anthropogenic climate change: Conservation prioritization of Castanea sativa in the South Caucasus based on genetic and ecological metrics. *Ecology and Evolution.* https://doi.org/10.1002/ece3.10068

Eastwood, Tambam, Aboagye *et al.* (2022) Adapting Agriculture to Climate Change: A Synopsis of Coordinated National Crop Wild Relative Seed Collecting Programs across Five Continents. *Plants.* https://doi.org/10.3390/plants11141840

Soultan, Pavón-Jordán, Bradter *et al.* (2022) The future distribution of wetland birds breeding in Europe validated against observed changes in distribution. *Environmental Research Letters.* https://doi.org/10.1088/1748-9326/ac4ebe

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

Data availability

Total data available for selected taxonomic groups in Azerbaijan

Mammals
1,082
occurrences

Birds
183,471
occurrences

Bony fish
466
occurrences

Amphibians
1,406
occurrences

Insects
11,313
occurrences

Reptiles
1,063
occurrences

Molluscs
580
occurrences

Arachnids
609
occurrences

Flowering plants
75,718
occurrences

Ferns
583
occurrences

Gymnosperms
225
occurrences

Mosses
313
occurrences

Sac fungi
1,620
occurrences

**Basidiomycota**
884
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*
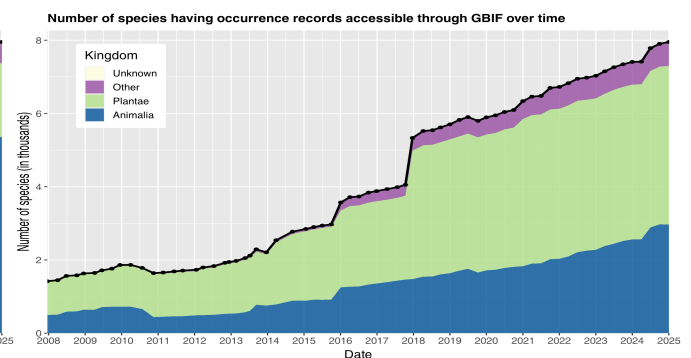Molluscs = Phylum *Mollusca*

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 Azerbaijan

Species occurrence records accessible through GBIF over time
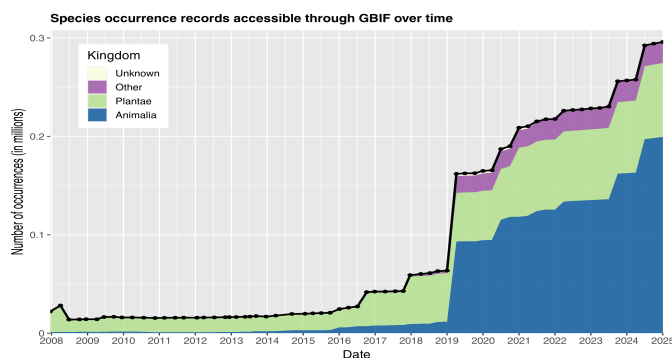
Occurrence records available about species occurring in Azerbaijan

Number of species having occurrence records accessible through GBIF over time

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

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 Azerbaijan

Herbarium BAK. *Published by Institute of Botany, Ministry of Science and Education of the Republic of Azerbaijan*
https://doi.org/10.15468/qs8ef2

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

Newest publishers from Azerbaijan

Institute of Botany, Ministry of Science and Education of the Republic of Azerbaijan

Occurrence records downloaded from GBIF.org, published by institutions in Azerbaijan
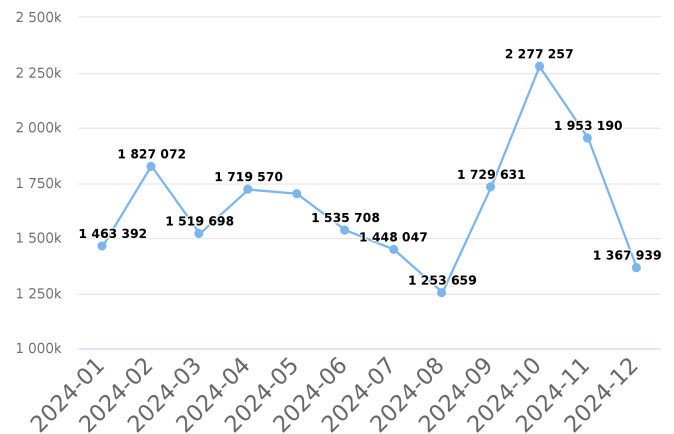
Number of occurrence records downloaded via GBIF.org published by institutions in Azerbaijan

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

Data mobilization

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

Origin of occurrence records

Data sharing with country or area of origin

Azerbaijan

publishes data from
3
countries, territories and islands including
189,379
occurrences in
2
occurrence datasets
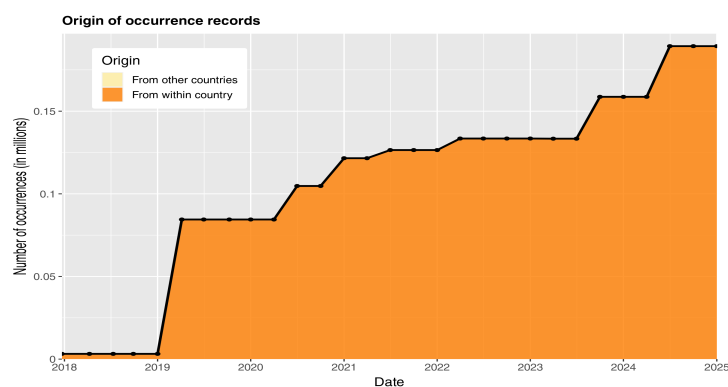
The chart above shows the number of records shared over time by publishers within Azerbaijan, with separate colours for records about species occurring within undefined and those occurring elsewhere.

Top data contributors about biodiversity in Azerbaijan

Rank	Country or area	No. of occurrences
1	Azerbaijan	189,350
2	United Kingdom	21,679
3	Russian Federation	20,026
4	Colombia	14,548
5	International organization or unknown country	14,235
6	United States of America	11,003
7	Netherlands	7,384
8	Estonia	4,643
9	Germany	4,283
10	Austria	2,191

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

Top datasets contributing data about Azerbaijan

EOD – eBird Observation Dataset. *172,646 occurrences in Azerbaijan.* (Last updated 27 Sep 2024)

Caspian Sea Sediment - 16S Survey Targeted Locus (Loci). *16,819 occurrences in Azerbaijan.* (Last updated 19 Feb 2020)

Herbarium BAK. *16,704 occurrences in Azerbaijan.* (Last updated 16 Oct 2020)

Moscow University Herbarium (MW). *15,488 occurrences in Azerbaijan.* (Last updated 31 Dec 2024)

A global database for the distributions of crop wild relatives. *14,548 occurrences in Azerbaijan.* (Last updated 9 Feb 2024)

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