Activity report

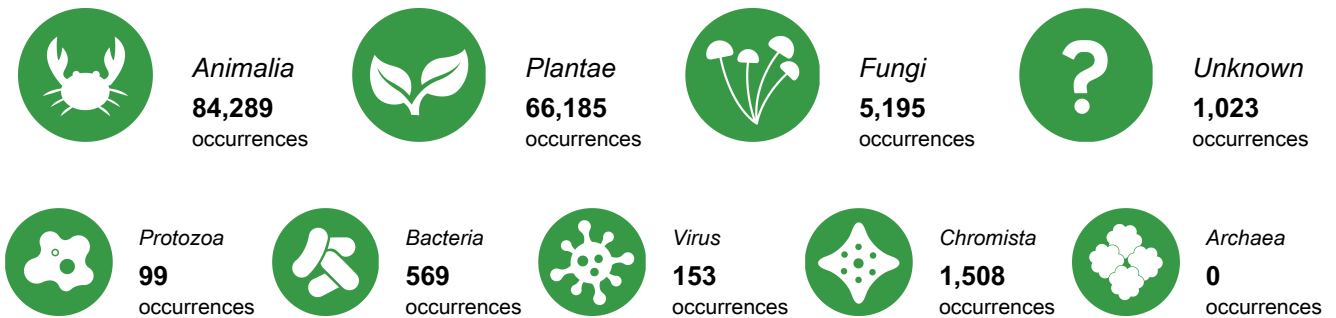**GBIF** | Global Biodiversity Information Facility

Uzbekistan

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 Uzbekistan. 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.
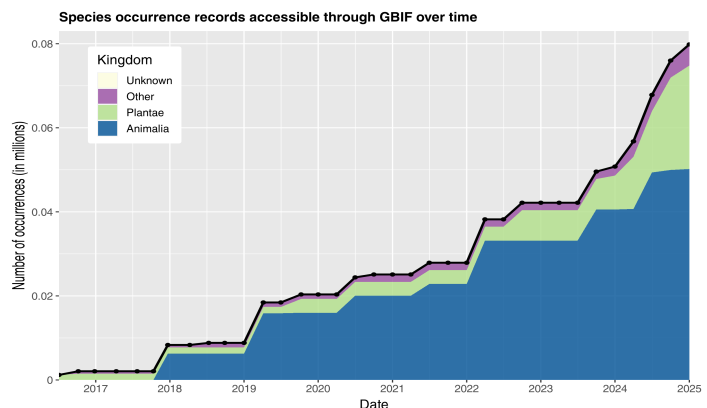
‣ Access and usage

Researchers from

Uzbekistan

contributed to

8

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

24

articles since 2008

‣ Data availability in Uzbekistan

Animalia
84,289
occurrences

Plantae
66,185
occurrences

Fungi
5,195
occurrences

Unknown
1,023
occurrences

Protozoa
99
occurrences

Bacteria
569
occurrences

Virus
153
occurrences

Chromista
1,508
occurrences

Archaea
0
occurrences

‣ Data mobilization

Institutions from

Uzbekistan

published

29,067

new occurrence records during 2024 out of a total of

428,451,251

occurrence records added globally to GBIF.org
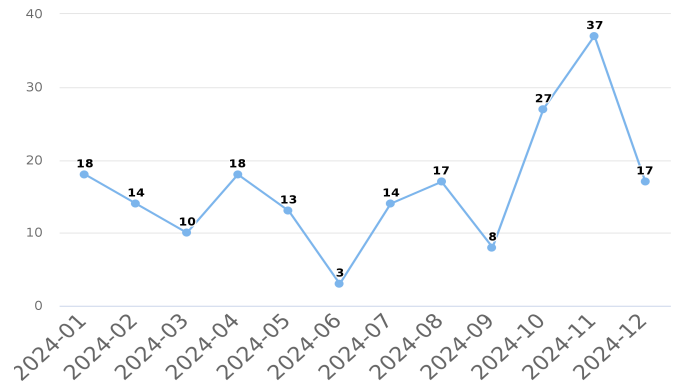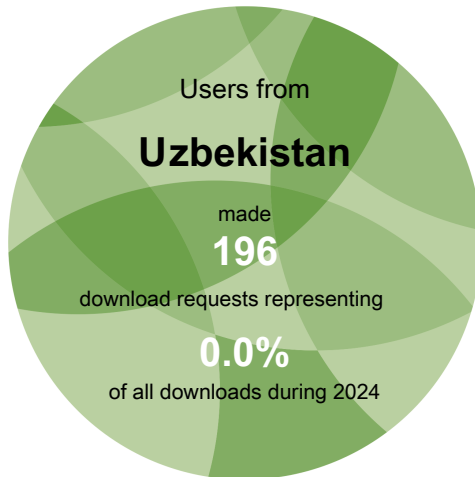

Species occurrence records accessible through GBIF over time

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

Access and usage

Data downloads on GBIF.org from users in Uzbekistan

Users from

Uzbekistan

made

196

download requests representing

0.0%

of all downloads during 2024

Monthly downloads requested by users in Uzbekistan

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

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 Uzbekistan.

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

Bekzod, Iroda, Odilbek *et al.* (2024) MaxEnt modelling for predicting the potential distribution of a food and medicinal species (Elwendia persica (Boiss.) Pimenov & Kljuykov. *African Journal of Biological Sciences.*
https://doi.org/10.48047/afjbs.6.13.2024.1703-1714

Gulomov, Alisherova, Umaraliyeva. (2024) BIOCLIMATIC MODELING OF THE SPECIES JURINEA SCHACHIMORDANICA (ASTERACEAE). *The American Journal of Agriculture and Biomedical Engineering.*
https://doi.org/10.37547/tajabe/volume06issue10-04

Zhang, Yang, Jiamahate *et al.* (2024) Potential Ecological Distribution of the Beetle Agrilus mali Matsumura (Coleoptera: Buprestidae) in China under Three Climate Change Scenarios, with Consequences for Commercial and Wild Apple Forests. *Biology.*
https://doi.org/10.3390/biology13100803

Azimov, Bobur, Nigina *et al.* (2024) The genus Colchicum L in Uzbekistan. *African Journal of Biological Sciences.*
https://doi.org/10.48047/afjbs.6.14.2024.1283-1288

Davron, Temur, Umida *et al.* (2024) Beauty demands sacrifices: is it possible to overcome both climate change and anthropogenic impact for Pamir-Alay Tulips (Liliaceae)?. *Journal of Asia-Pacific Biodiversity.*

Data availability

Total data available for selected taxonomic groups in Uzbekistan

Mammals
1,879
occurrences

Birds
59,260
occurrences

Bony fish
1,591
occurrences

Amphibians
804
occurrences

Insects
12,973
occurrences

Reptiles
2,983
occurrences

Molluscs
1,514
occurrences

Arachnids
591
occurrences

Flowering plants
64,050
occurrences

Ferns
279
occurrences

Gymnosperms
893
occurrences

Mosses
190
occurrences

Sac fungi
2,248
occurrences
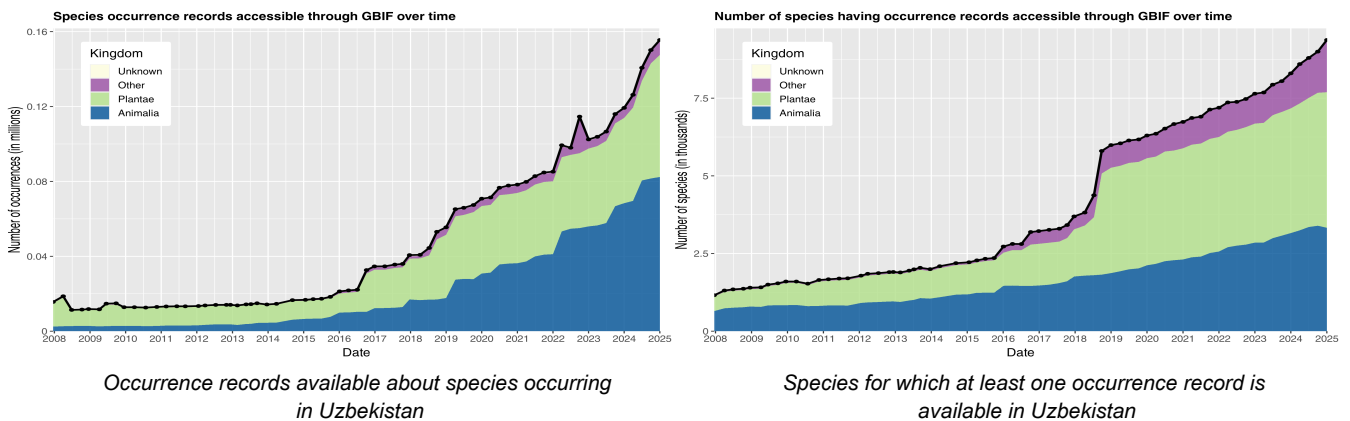
Basidiomycota
2,937
occurrences

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 Uzbekistan

Occurrence records available about species occurring in Uzbekistan

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

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 Uzbekistan

Micromycetes of dendroflora of the city of Samarkand. *Published by Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan*
https://doi.org/10.15468/jr5969

Macrofungi of Zaamin National Nature Park. *Published by Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan*
https://doi.org/10.15468/sf4u74

Taxonomic and geographical analysis of the genus Oxytropis DC. distributed in the flora of Uzbekistan.. *Published by Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan*
https://doi.org/10.15468/kxya6r

Primary productivity of the Akdarya reservoir ecosistem. *Published by Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan*
https://doi.org/10.15468/vj52d3

ALGOFLORA OF THE BASIN OF THE LOWER FLOW OF THE NARYN RIVER. *Published by Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan*
https://doi.org/10.15468/4vjn85

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

Newest publishers from Uzbekistan

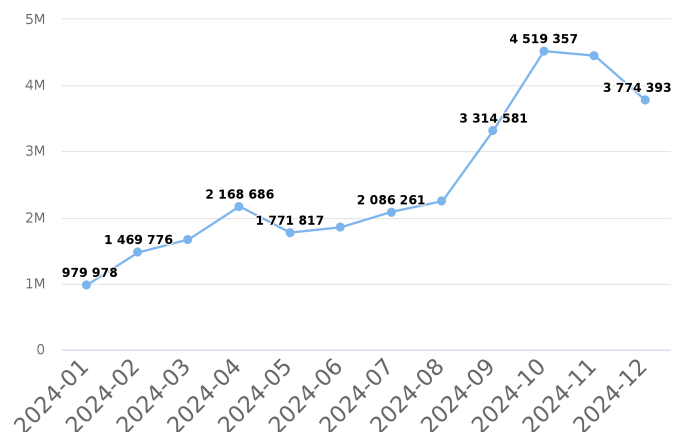Surhanskiy State Nature Reserve

Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan

Nurata nature reserve

Academy of Sciences of the Republic of Uzbekistan institute of the Gene pool of plants and Animals

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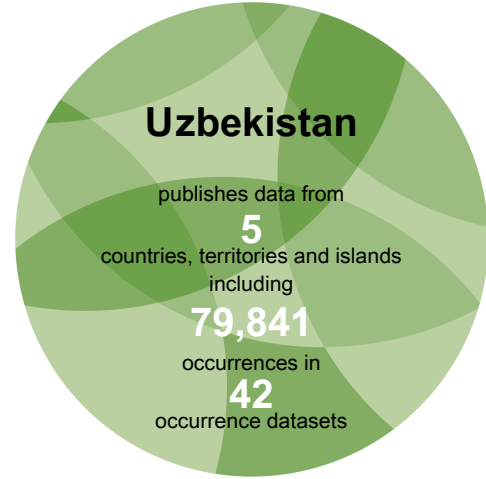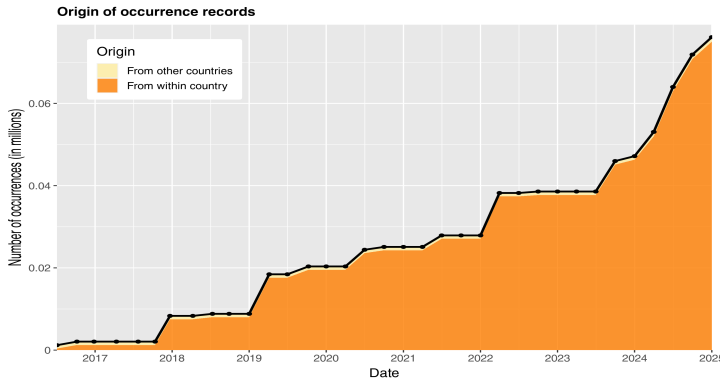*gbif.org/publisher/search?country=UZ*

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

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

Data mobilization

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

Origin of occurrence records

Origin
- From other countries
- From within country

Number of occurrences (in millions)

0.06

0.04

0.02

0

2017 2018 2019 2020 2021 2022 2023 2024 2025

Date

Data sharing with country or area of origin

Uzbekistan

publishes data from

5

countries, territories and islands
including

79,841

occurrences in

42

occurrence datasets

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

Top data contributors about biodiversity in Uzbekistan

Rank	Country or area	No. of occurrences
1	Uzbekistan	75,140
2	United States of America	21,525
3	Russian Federation	15,965
4	Colombia	9,828
5	International organization or unknown country	8,494
6	Estonia	6,148
7	United Kingdom	4,967
8	Germany	4,162
9	Poland	2,070
10	Netherlands	1,439

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

Top datasets contributing data about Uzbekistan

EOD – eBird Observation Dataset. *49,129 occurrences in Uzbekistan.* (Last updated 27 Sep 2024)

iNaturalist Research-grade Observations. *14,571 occurrences in Uzbekistan.* (Last updated 30 Dec 2024)

Moscow University Herbarium (MW). *11,563 occurrences in Uzbekistan.* (Last updated 31 Dec 2024)

A global database for the distributions of crop wild relatives. *9,826 occurrences in Uzbekistan.* (Last updated 9 Feb 2024)

EURISCO, The European Genetic Resources Search Catalogue. *6,026 occurrences in Uzbekistan.* (Last updated 9 Mar 2018)

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

Uzbekistan participates in the following projects coordinated by GBIF

GBIF in Central Asia: new aspects of development
Capacity Enhancement Support Programme, 2023–2024
https://www.gbif.org/project/CESP2023-007

See all GBIF projects
gbif.org/resource/search?contentType=project