

generated January 2025

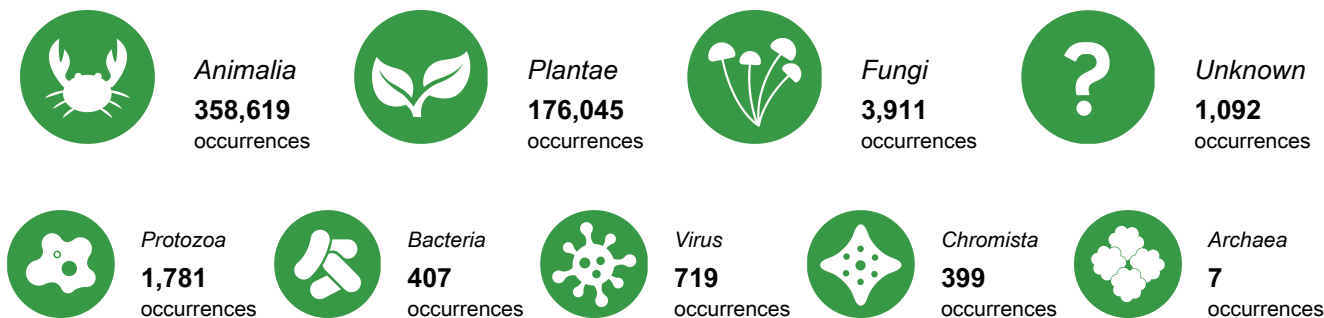
Kazakhstan

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 Kazakhstan. 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.

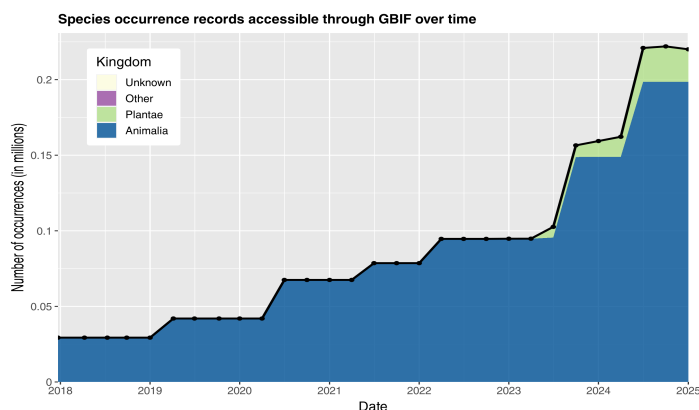
► Access and usage



► Data availability in Kazakhstan



► Data mobilization

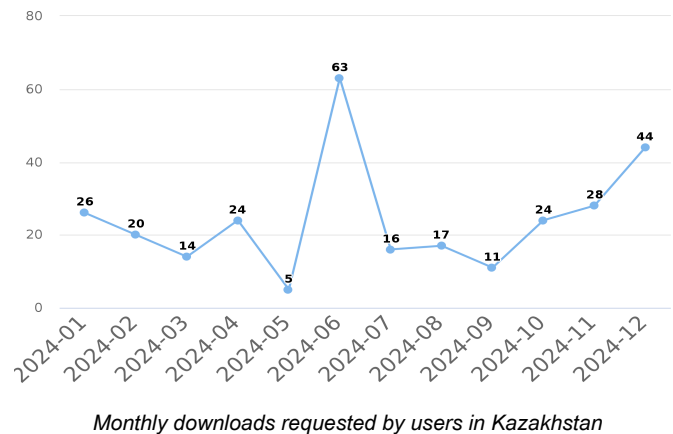
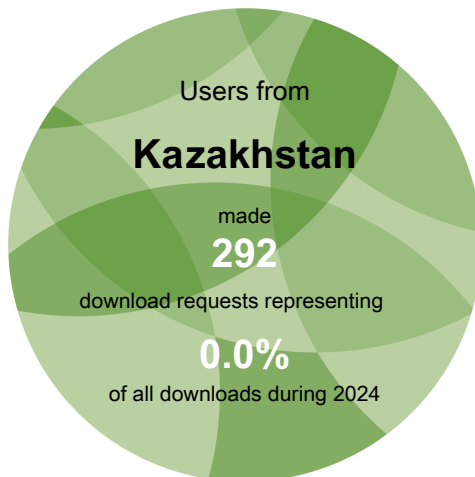


Number of records published by institutions in Kazakhstan, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Kazakhstan



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

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 Kazakhstan.

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

Zima, Fedorenko. (2024) The range of the Desert Monitor *Varanus griseus caspius* (Eichwald, 1831) in Central Asia. *Frontiers of Biogeography*.
<https://doi.org/10.21425/fob.17.138199>

Turzhanova, Ishmuratova, Tleukenova *et al.* (2024) CURRENT STATUS OF SCABIOSA ISETENSIS POPULATIONS IN CENTRAL KAZAKHSTAN. *Eurasian Journal of Applied Biotechnology*.
<https://doi.org/10.11134/btp.3.2024.14>

Ivanova, Shashkov, Lebedev *et al.* (2024) Quantitative Analysis of Factors Influencing Damage to Old-Growth Hemiboreal Stands as a Result of a Catastrophic Windthrow, Based on Remote Sensing and Merged Data. *Russian Journal of Ecology*.
<https://doi.org/10.1134/s1067413624602008>

Ozerski. (2024) Geographical variability in the cryptic coloration of the common green grasshopper (*Omocestus viridulus* (Linnaeus, 1758), Orthoptera: Acrididae). *Zoology and Ecology*.
<https://doi.org/10.35513/21658005.2024.1.5>

Frolov, Berdikulov. (2024) RECENT AVIFAUNISTIC ANALYSIS IN THE FLOODPLAINS OF THE KARA YERTIS (BLACK IRTYSH) AND YERTIS RIVER IN THE PAVLODAR REGION. *Experimental Biology*.
<https://doi.org/10.26577/eb.2024.v98.i1.010>

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



Data availability

Total data available for selected taxonomic groups in Kazakhstan



Mammals
4,106
occurrences



Birds
255,471
occurrences



Bony fish
372
occurrences



Amphibians
3,041
occurrences



Insects
76,256
occurrences



Reptiles
2,667
occurrences



Molluscs
3,074
occurrences



Arachnids
4,248
occurrences



Flowering plants
168,936
occurrences



Ferns
1,595
occurrences



Gymnosperms
2,570
occurrences



Mosses
2,463
occurrences



Sac fungi
3,000
occurrences



Basidiomycota
897
occurrences

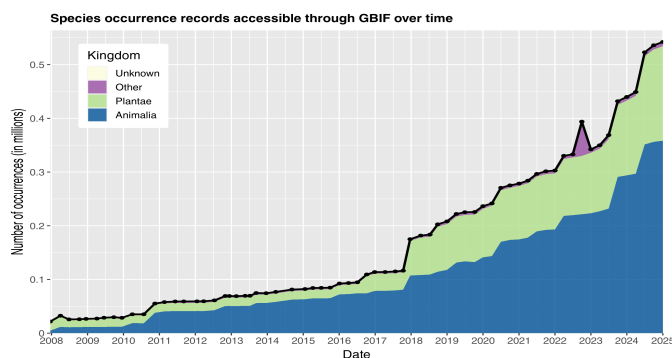
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

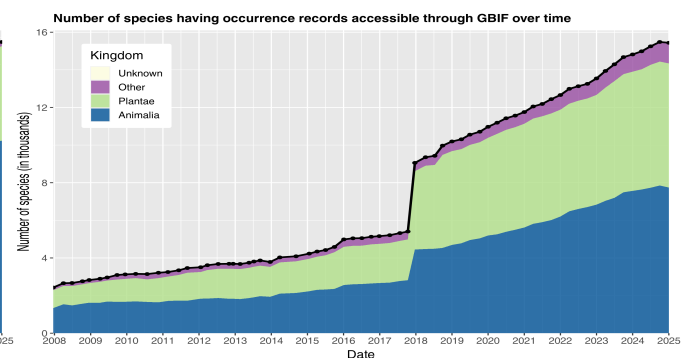
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Kazakhstan



Occurrence records available about species occurring in Kazakhstan



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

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 Kazakhstan

First Vegetation Plot Data from Forest Islands of Central Kazakhstan. *Published by Karaganda Buketov University*
<https://doi.org/10.15468/wwtfde>

The subclass Lamiidae Herbarium of M. Kozybaev University (SQU). *Published by NLS «M. Kozybayev North Kazakhstan University»*
<https://doi.org/10.15468/ubzs5t>

Vertebrates Collection of the Karaganda Buketov University Museum of Nature. *Published by Karaganda Buketov University*
<https://doi.org/10.15468/rnwp89>

Herbarium fund of the Mangyshlak experimental botanical garden (MANG). *Published by Mangyshlak experimental botanical garden*
<https://doi.org/10.15468/mxuwyf>

Cerambycidae Dataset of Museum of Nature collection (Karaganda Buketov University). *Published by Karaganda Buketov University*
<https://doi.org/10.15468/yueazh>

Herbarium of Karaganda Buketov University (QAR). *Published by Karaganda Buketov University*
<https://doi.org/10.15468/3asvbx>

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

Newest publishers from Kazakhstan

NLS «M. Kozybayev North Kazakhstan University»

Altai Botanical Garden

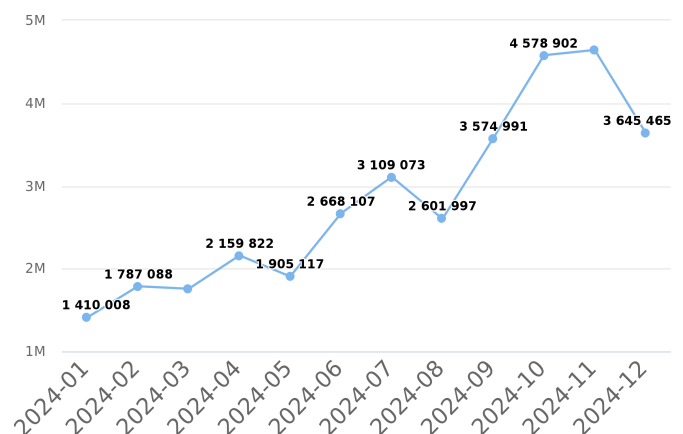
Mangyshlak experimental botanical garden

Karaganda Buketov University

Institute of Zoology of the Republic of Kazakhstan

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

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

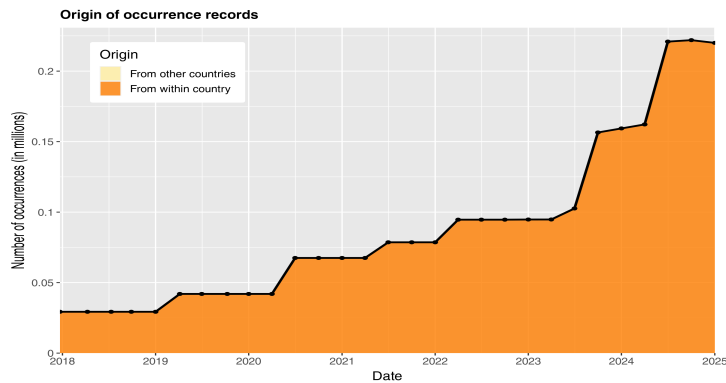


Number of occurrence records downloaded via
GBIF.org published by institutions in Kazakhstan

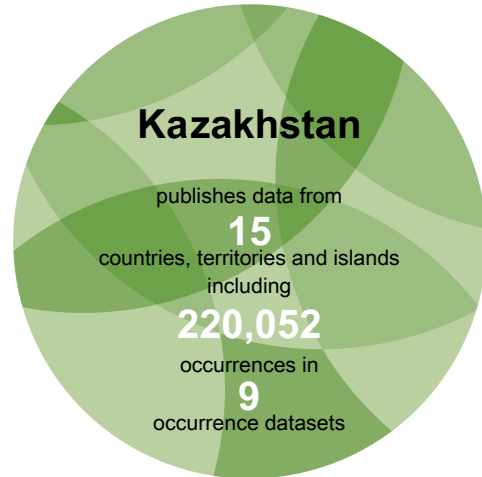


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Kazakhstan

Rank	Country or area	No. of occurrences
1	Kazakhstan	219,940
2	United States of America	102,732
3	Russian Federation	90,033
4	Japan	43,724
5	Colombia	14,596
6	United Kingdom	11,765
7	Netherlands	11,247
8	International organization or unknown country	10,248
9	Estonia	9,568
10	Finland	9,009

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

Top datasets contributing data about Kazakhstan

EOD – eBird Observation Dataset. 197,543 occurrences in Kazakhstan. (Last updated 27 Sep 2024)

iNaturalist Research-grade Observations. 77,884 occurrences in Kazakhstan. (Last updated 30 Dec 2024)

Moscow University Herbarium (MW). 54,027 occurrences in Kazakhstan. (Last updated 31 Dec 2024)

Hymenoptera specimen database of Kyushu University. 42,981 occurrences in Kazakhstan. (Last updated 1 Aug 2019)

A global database for the distributions of crop wild relatives. 14,594 occurrences in Kazakhstan. (Last updated 9 Feb 2024)

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