

generated January 2025

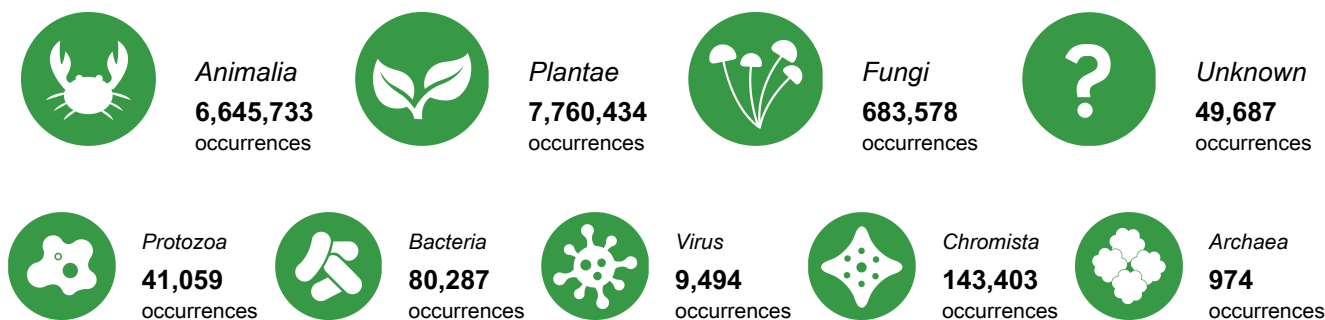
Russian Federation

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 Russian Federation. 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.

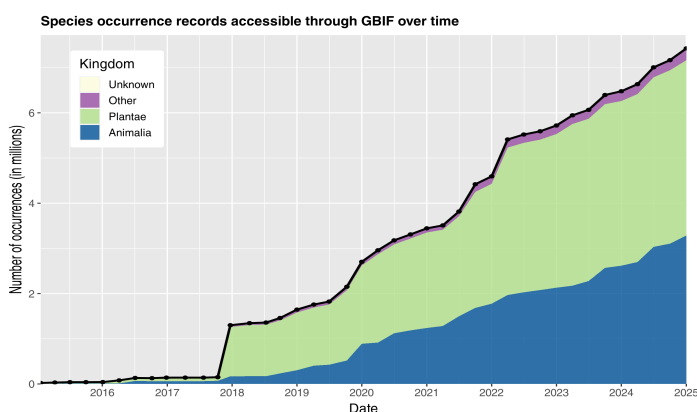
► Access and usage



► Data availability in Russian Federation



► Data mobilization

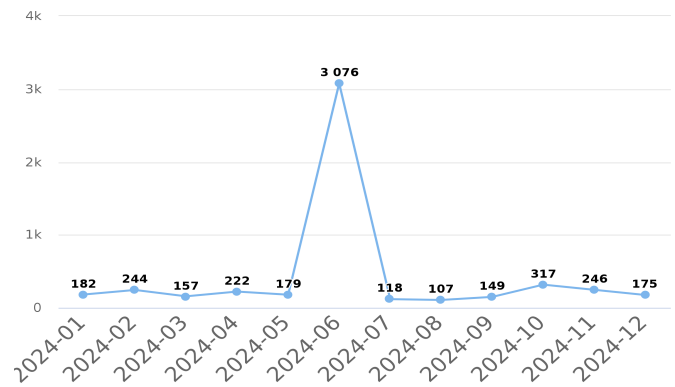


Number of records published by institutions in Russian Federation, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Russian Federation



Monthly downloads requested by users in Russian Federation

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

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 Russian Federation.

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

Egorov, Sazhnev, Dedyukhin *et al.* (2024) Biodiversity of Coleoptera (Insecta) in Central European Russia. *Diversity*.
<https://doi.org/10.3390/d16120740>

Petrenko, Dzizyurova, Altman *et al.* (2024) Changes in Distribution Ranges of Abies Species Dominating in the Forests of Northeast Asia Since the Last Glacial Maximum. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15057>

Han, Han, Dunets *et al.* (2024) Mapping transboundary ecological networks for conservation in the Altai Mountains. *Ecological Indicators*.
<https://doi.org/10.1016/j.ecolind.2024.112869>

Попов, Попова. (2024) МОДЕЛИРОВАНИЕ СОВРЕМЕННОГО КЛИМАТИЧЕСКОГО АРЕАЛА CYDALIMA PERSPECTALIS (LEPIDOPTERA, CRAMBIDAE) В ЕВРАЗИИ. *Žurnal obšej biologii*.
<https://doi.org/10.31857/s0044459624040044>

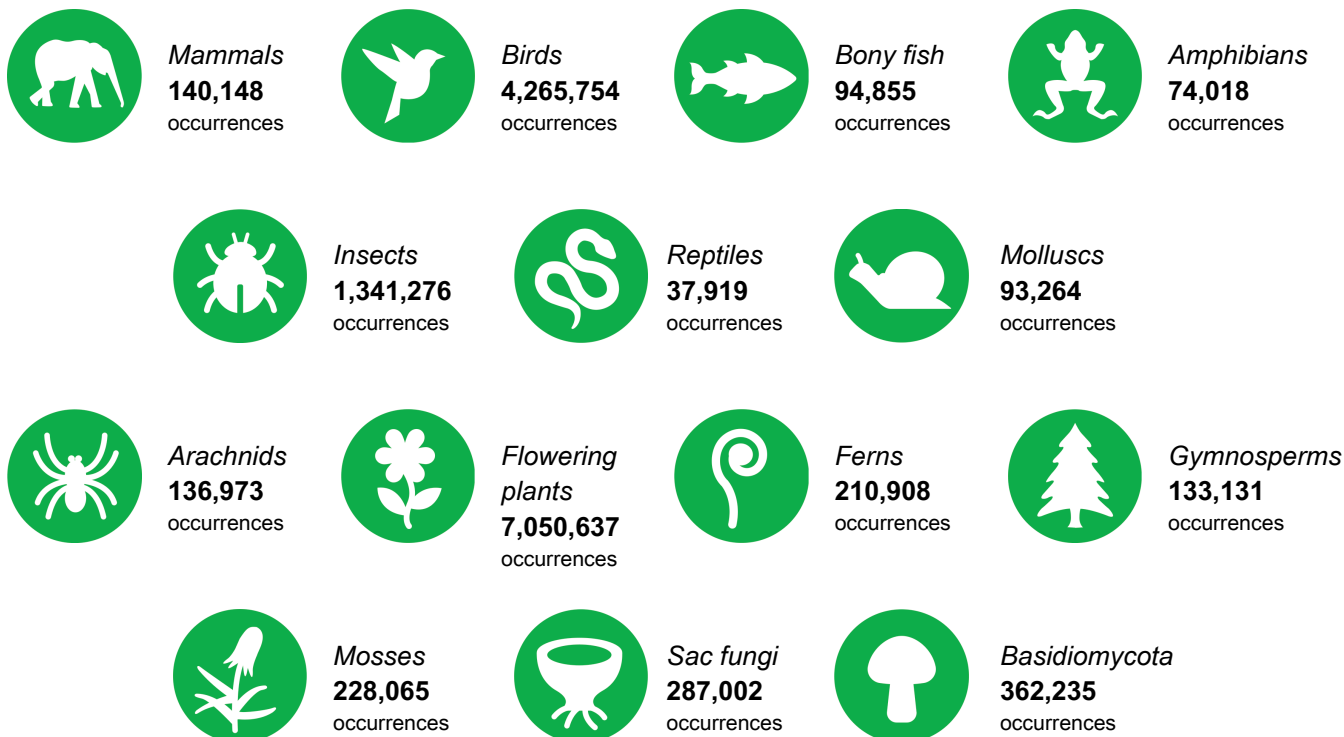
Andreyenkova, Hong, Lin *et al.* (2023) Taiwanese Black Kite: Does the Subspecies formosanus Exist?. *Raptors Conservation*.
<https://doi.org/10.19074/1814-8654-2023-46-34-45>

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



Data availability

Total data available for selected taxonomic groups in Russian Federation



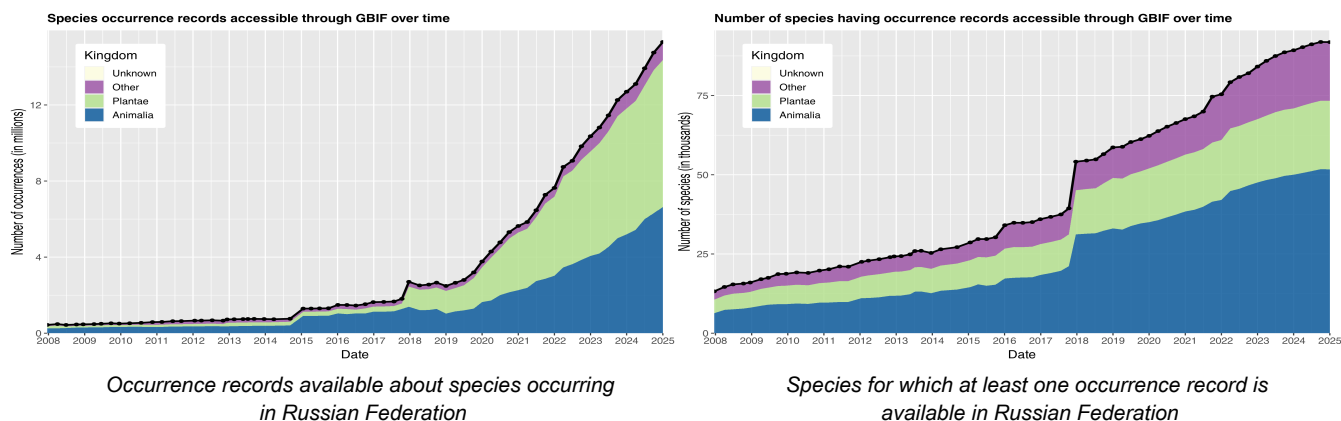
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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 Russian Federation



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 Russian Federation

Orthoptera sampled in Kaluga region (European Russia) in 2024. *Published by State Budgetary Institution of Kaluga Region "Parks Directorate"*
<https://doi.org/10.15468/b4t6rx>

eDNA-based occurrence dataset on fungi from forest monitoring plots in Northwestern Siberia. *Published by Yugra State University Biological Collection (YSU BC)*
<https://doi.org/10.15468/92bmz3>

eDNA-based occurrence dataset on fungi of fine woody debris studied in Northwestern Siberia. *Published by Yugra State University Biological Collection (YSU BC)*
<https://doi.org/10.15468/u34cfh>

KRSU Herbarium: collections of vascular plants. *Published by Siberian Federal University*
<https://doi.org/10.15468/5cvxc3>

Data on the locations and behavior of breeding birds obtained by mapping (registrations made during census visits) along a fixed route (permanent transect) in temperate old-growth broad-leaved and mixed spruce-deciduous forests in the Kaluga Region (Ugra National Park). *Published by A.N. Severtsov Institute of Ecology and Evolution, RUSSIAN ACADEMY OF SCIENCES*
<https://doi.org/10.15468/k5p8ye>

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

Newest publishers from Russian Federation

Siberian Federal University

Perm State University

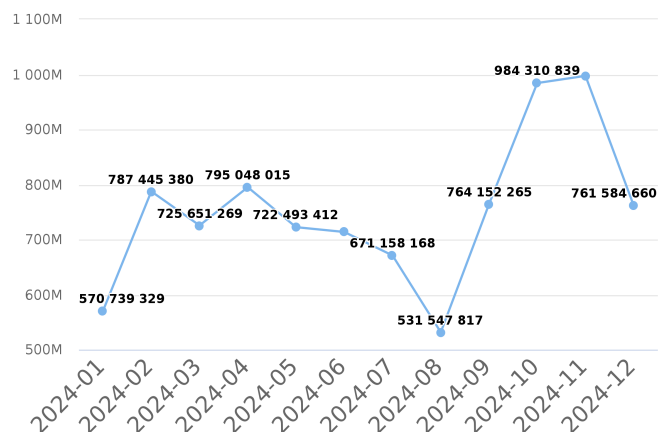
National Research Lobachevsky State University of Nizhny Novgorod

Penza State University

Amur Branch of Botanical Garden Institute Far Eastern Branch of the Russian Academy of Sciences

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

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

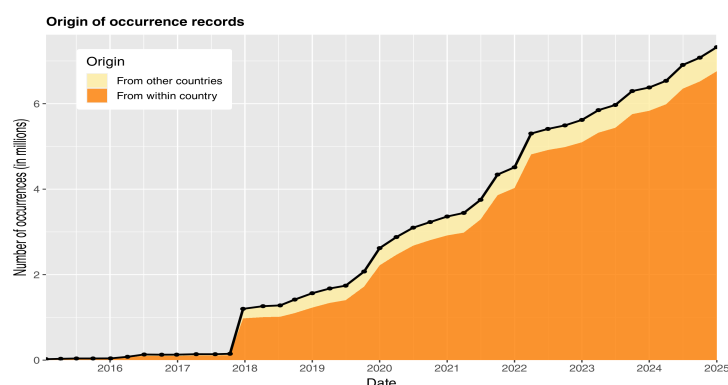


Number of occurrence records downloaded via GBIF.org published by institutions in Russian Federation



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Russian Federation

Rank	Country or area	No. of occurrences
1	Russian Federation	6,778,520
2	United States of America	6,633,769
3	Estonia	487,757
4	Finland	388,921
5	International organization or unknown country	245,166
6	United Kingdom	143,850
7	France	119,561
8	Netherlands	115,185
9	Germany	102,684
10	Colombia	69,892

Table 1. Ranking of countries or areas contributing data about Russian Federation

Top datasets contributing data about Russian Federation

iNaturalist Research-grade Observations. 6,336,471 occurrences in Russian Federation. (Last updated 30 Dec 2024)

RU-BIRDS.RU, Birds observations database from Russia and neighboring regions. Zoological Museum of M.V. Lomonosov Moscow State University.. 1,174,747 occurrences in Russian Federation. (Last updated 15 Mar 2022)

EOD – eBird Observation Dataset. 977,638 occurrences in Russian Federation. (Last updated 27 Sep 2024)

Moscow University Herbarium (MW). 704,460 occurrences in Russian Federation. (Last updated 31 Dec 2024)

Local floras of Russia: records from literature. 672,072 occurrences in Russian Federation. (Last updated 1 Apr 2024)

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



Russian Federation participates in the following projects coordinated by GBIF

West of Urals 2020

Northern Eurasia, 2020–2020

<https://www.gbif.org/project/1lLoEkmf2ioQlr7bwDfeDx>

Biota of Russia 2021

Northern Eurasia, 2021–2021

<https://www.gbif.org/project/7fzLHvyCdEfM21SNS568ac>

Chronicles of Nature of Russian protected areas: Digitization and data mobilization

Northern Eurasia, 2019–2019

<https://www.gbif.org/project/sXNwwgP5NsFN5kxfqnVq>

Mobilization of biodiversity data on soil mesofauna across European Russia biomes

Northern Eurasia, 2019–2019

<https://www.gbif.org/project/6KNJbZiFjpWCogLRqxZum>

Mobilizing moss occurrences from the Komi Science Centre Herbarium

Northern Eurasia, 2019–2019

<https://www.gbif.org/project/5ZsAifyl6z0OguyoNTFIlu>

Supporting the regular georeferencing of European Russia holdings in the Moscow Digital Herbarium

Northern Eurasia, 2019–2019

<https://www.gbif.org/project/2dfnq4VJQxHVSOPZWYkiCb>

GBIF.ru data mobilization activities

Northern Eurasia, 2018–2018

This project is aimed at mobilizing biodiversity data from European Russia through data publishing workshops and support to establish a national GBIF node.

<https://www.gbif.org/project/1r7RSp5iLqqKYssg88WIW2>

Data mobilization by the Lomonosov Moscow State University

Northern Eurasia, 2018–2018

This project will mobilize data held by the Zoological Museum of Moscow, publishing 50,000 bird and 4,000 mammal specimens from the European part of the Russian Federation through GBIF.org.

<https://www.gbif.org/project/7xIH2xCxEWolKom6wSQ2Y0>

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