Georgia
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 Georgia. 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 Georgia contributed to 12 peer-reviewed articles citing GBIF use during 2023 and a total of 22 articles since 2008.

Data availability in Georgia
- Animalia: 825,059 occurrences
- Plantae: 116,133 occurrences
- Fungi: 114,986 occurrences
- Unknown: 6,947 occurrences
- Protozoa: 205 occurrences
- Bacteria: 3,543 occurrences
- Virus: 1,071 occurrences
- Chromista: 12,395 occurrences
- Archaea: 4 occurrences

Data mobilization
Institutions from Georgia published 87,889 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.

Number of records published by institutions in Georgia, categorized by kingdom.
Access and usage

Data downloads on GBIF.org from users in Georgia

Users from Georgia made 72 download requests representing 0.0% of all downloads during 2023.

Monthly downloads requested by users in Georgia

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

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 Georgia.

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

Kenar, Kikvidze. (2023) Modelling the distribution of the Caucasian oak (Quercus macranthera) in Western Asia under future climate change scenarios. Botanica Serbica. https://doi.org/10.2298/botserb2302215k


PIWOWARCZYK, SÁNCHEZ PEDRAJA, KHUTSISHVILI et al. (2023) Holoparasitic Orobancheae in Georgia (Caucasus): taxonomic revision, diversity, distribution, habitats and host range. Phytotaxa. https://doi.org/10.11646/phytotaxa.604.1.1

Yang, Zhang, Xue et al. (2023) Phylogenomics and historical biogeography of Hydrangeeae (Hydrangeaceae) elucidate the effects of geologic and climatic dynamics on diversification. Proceedings of the Royal Society B: Biological Sciences. https://doi.org/10.1098/rspb.2023.0659

Jameel, Nadeem, Haq et al. (2023) Shifts in the Distribution Range and Niche Dynamics of the Globally Threatened Western Tragopan (Tragopan melanocephalus) Due to Climate Change and Human Population Pressure. Biology.
### Data availability

**Total data available for selected taxonomic groups in Georgia**

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>7,884</td>
</tr>
<tr>
<td>Birds</td>
<td>757,912</td>
</tr>
<tr>
<td>Bony fish</td>
<td>1,759</td>
</tr>
<tr>
<td>Amphibians</td>
<td>3,782</td>
</tr>
<tr>
<td>Insects</td>
<td>32,225</td>
</tr>
<tr>
<td>Reptiles</td>
<td>4,575</td>
</tr>
<tr>
<td>Molluscs</td>
<td>2,115</td>
</tr>
<tr>
<td>Arachnids</td>
<td>10,607</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>100,718</td>
</tr>
<tr>
<td>Ferns</td>
<td>2,228</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>1,048</td>
</tr>
<tr>
<td>Mosses</td>
<td>9,552</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>37,065</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>61,778</td>
</tr>
</tbody>
</table>

Mammals = Class **Mammalia**  
Birds = Class **Aves**  
Bony fish = Superclass **Osteichthyes**  
Amphibians = Class **Amphibia**  
Insects = Class **Insecta**  
Reptiles = Class **Testudines, Sphenodontia, Squamata & Crocodylia**  
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 Georgia

#### Occurrence records available about species occurring in Georgia

#### Species for which at least one occurrence record is available in Georgia

**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 Georgia

The annotated checklist of plant species that occur in the wetland habitats of Georgia (the Caucasus). *Published by Institute of Zoology, Ilia State University*  
https://doi.org/10.3897/caucasiana.2.e101677

Rodent occurrence in Georgia. *Published by Institute of Zoology, Ilia State University*  
https://doi.org/10.15468/gtjrjf

The insectivores of Georgia. *Published by Institute of Zoology, Ilia State University*  
https://doi.org/10.15468/fb3akq

Bats of Georgia. *Published by Institute of Zoology, Ilia State University*  
https://doi.org/10.15468/c2spsh

Georgian Academy of Sciences, Institute of Botany, National Herbarium of Georgia. *Published by National Herbarium of Georgia TBI, Botanical Institute of Ilia State University*  
https://doi.org/10.15468/6tbhmd

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

Newest publishers from Georgia

Institute of Zoology, Ilia State University

National Herbarium of Georgia TBI, Botanical Institute of Ilia State University

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

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

Number of occurrence records downloaded via GBIF.org published by institutions in Georgia
Data mobilization

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

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

Top data contributors about biodiversity in Georgia

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Netherlands</td>
<td>571,234</td>
</tr>
<tr>
<td>2</td>
<td>Georgia</td>
<td>204,554</td>
</tr>
<tr>
<td>3</td>
<td>Estonia</td>
<td>160,680</td>
</tr>
<tr>
<td>4</td>
<td>United States of America</td>
<td>35,696</td>
</tr>
<tr>
<td>5</td>
<td>Russian Federation</td>
<td>25,257</td>
</tr>
<tr>
<td>6</td>
<td>Germany</td>
<td>24,833</td>
</tr>
<tr>
<td>7</td>
<td>International organization or unknown country</td>
<td>11,243</td>
</tr>
<tr>
<td>8</td>
<td>Colombia</td>
<td>10,501</td>
</tr>
<tr>
<td>9</td>
<td>United Kingdom</td>
<td>8,952</td>
</tr>
<tr>
<td>10</td>
<td>Belgium</td>
<td>3,738</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Georgia

Batumi Raptor Count (BRC) - Autumn migration data. 460,507 occurrences in Georgia. (Last updated 15 Mar 2022)

EOD – eBird Observation Dataset. 189,129 occurrences in Georgia. (Last updated 20 Aug 2023)

Global soil organisms. 146,529 occurrences in Georgia. (Last updated 27 Feb 2023)

Observation.org, Nature data from around the World. 104,780 occurrences in Georgia. (Last updated 12 Dec 2023)

iNaturalist Research-grade Observations. 23,844 occurrences in Georgia. (Last updated 2 Jan 2024)

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