Slovakia
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 Slovakia. 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 Slovakia contributed to 10 peer-reviewed articles citing GBIF use during 2023 and a total of 32 articles since 2008.

▶ Data availability in Slovakia
- Animalia: 413,166 occurrences
- Plantae: 300,802 occurrences
- Fungi: 21,718 occurrences
- Unknown: 13,809 occurrences
- Protozoa: 165 occurrences
- Bacteria: 298 occurrences
- Virus: 547 occurrences
- Chromista: 951 occurrences
- Archaea: 47 occurrences

▶ Data mobilization
Institutions from Slovakia published 103,076 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 Slovakia, categorized by kingdom.
Access and usage

Data downloads on GBIF.org from users in Slovakia

Users from Slovakia made 192 download requests representing 0.0% of all downloads during 2023.

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

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 Slovakia.

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

https://doi.org/10.1111/pce.14743

Kozhoridze, Korolyova, Jakuš. (2023) Norway spruce susceptibility to bark beetles is associated with increased canopy surface temperature in a year prior disturbance. *Forest Ecology and Management.*
https://doi.org/10.1016/j.foreco.2023.121400

Adamo, Skokanová, Bobo-Pinilla et al. (2023) Molecular evidence and environmental niche evolution at the origin of the disjunct distribution in three mountain endemic Tephroseris (Asteraceae) of the Mediterranean basin. *Alpine Botany.*
https://doi.org/10.1007/s00035-023-00300-w

https://doi.org/10.1111/ppl.14007

Sánchez-Campaña, Múria, Hermoso et al. (2023) Anticipating where are unknown aquatic insects in Europe to improve biodiversity conservation. *Diversity and Distributions.*
https://doi.org/10.1111/ddi.13714
### Data availability

#### Total data available for selected taxonomic groups in Slovakia

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>3,121</td>
</tr>
<tr>
<td>Birds</td>
<td>339,729</td>
</tr>
<tr>
<td>Bony fish</td>
<td>810</td>
</tr>
<tr>
<td>Amphibians</td>
<td>999</td>
</tr>
<tr>
<td>Insects</td>
<td>50,624</td>
</tr>
<tr>
<td>Reptiles</td>
<td>1,065</td>
</tr>
<tr>
<td>Molluscs</td>
<td>5,430</td>
</tr>
<tr>
<td>Arachnids</td>
<td>3,202</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>286,417</td>
</tr>
<tr>
<td>Ferns</td>
<td>4,620</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>2,502</td>
</tr>
<tr>
<td>Mosses</td>
<td>4,694</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>14,529</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>6,990</td>
</tr>
</tbody>
</table>

#### Change over time in records about biodiversity in Slovakia

**Occurrence records available about species occurring in Slovakia**

**Species occurrence records accessible through GBIF over time**

**Number of species having occurrence records accessible through GBIF over time**

#### 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 Slovakia

Prieskum obojživelníkov a plazov, Chopok juh, lyžiarske stredisko. Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko
https://doi.org/10.15468/squnvt

Prieskum chránených druhot rastlín, Chopok juh, lyžiarske stredisko. Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko
https://doi.org/10.15468/xhwwze

Prieskum vtákov Chopok Juh, lyžiarske stredisko. Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko
https://doi.org/10.15468/p8ybzy

Prieskum vtákov Sedlice, dobyvací priestor. Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko
https://doi.org/10.15468/kxgjdp

Dataflos. Published by INSTITUTE OF BOTANY S.A.S.
https://doi.org/10.15468/dcc6j8

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

Newest publishers from Slovakia

HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko

INSTITUTE OF BOTANY S.A.S.

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

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

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

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

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

Top data contributors about biodiversity in Slovakia

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Slovakia</td>
<td>435,209</td>
</tr>
<tr>
<td>2</td>
<td>France</td>
<td>109,195</td>
</tr>
<tr>
<td>3</td>
<td>United States of America</td>
<td>74,839</td>
</tr>
<tr>
<td>4</td>
<td>Netherlands</td>
<td>22,600</td>
</tr>
<tr>
<td>5</td>
<td>Czechia</td>
<td>14,273</td>
</tr>
<tr>
<td>6</td>
<td>Germany</td>
<td>12,589</td>
</tr>
<tr>
<td>7</td>
<td>International organization or unknown country</td>
<td>12,501</td>
</tr>
<tr>
<td>8</td>
<td>Poland</td>
<td>12,419</td>
</tr>
<tr>
<td>9</td>
<td>Austria</td>
<td>11,027</td>
</tr>
<tr>
<td>10</td>
<td>United Kingdom</td>
<td>10,187</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Slovakia

- EOD – eBird Observation Dataset. 315,890 occurrences in Slovakia. (Last updated 20 Aug 2023)
- Dataflos. 118,869 occurrences in Slovakia. (Last updated 18 Aug 2016)
- Pl@ntNet automatically identified occurrences. 97,178 occurrences in Slovakia. (Last updated 8 Feb 2023)
- iNaturalist Research-grade Observations. 56,698 occurrences in Slovakia. (Last updated 2 Jan 2024)
- Pl@ntNet observations. 11,022 occurrences in Slovakia. (Last updated 8 Feb 2023)

See all contributing countries and areas or datasets: gbif.org/country/SK/about
Slovakia participates in the following projects coordinated by GBIF

Unlocking Slovakia's biodiversity through data publishing  
*Capacity Enhancement Support Programme, 2023–2024*  
[https://www.gbif.org/project/CESP2023-005](https://www.gbif.org/project/CESP2023-005)

European training hackathon on species checklists using GBIF data  
*Capacity Enhancement Support Programme, 2014–2015*  
This regional collaboration supports a hackathon for European nodes, aiming to enhance their capacity to produce national checklists.  
[https://www.gbif.org/project/82221](https://www.gbif.org/project/82221)