

generated January 2025

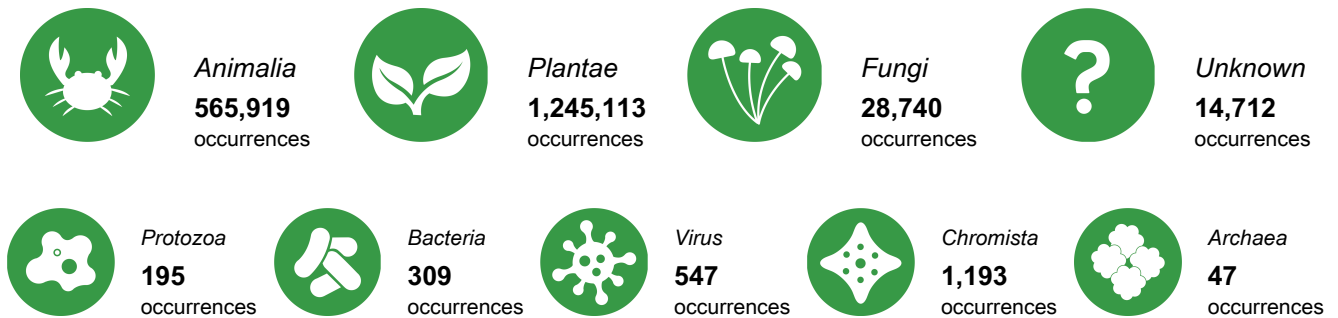
Slovakia

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.

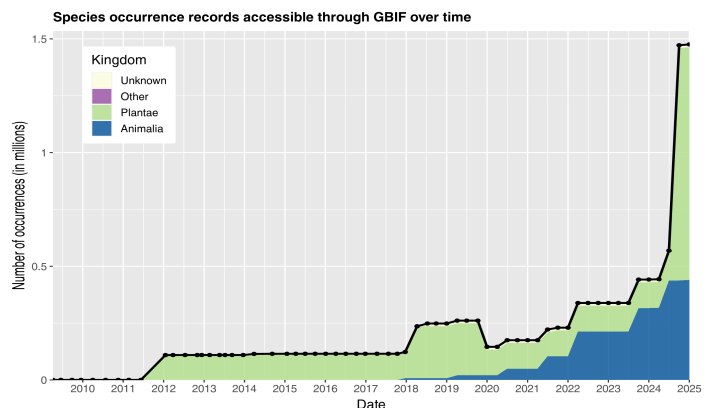
► Access and usage



► Data availability in Slovakia



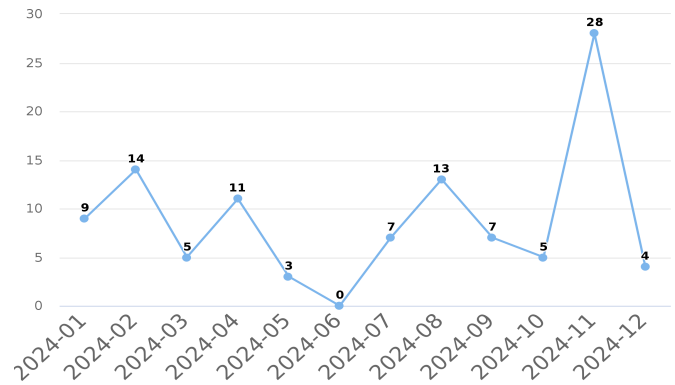
► Data mobilization



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

Access and usage

Data downloads on GBIF.org from users in Slovakia



Monthly downloads requested by users in Slovakia

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.

AIDEK, SAAD, JABLONSKI *et al.* (2024) Turtles and tortoises of Syria: Diversity, distribution, and conservation. *Zootaxa*.

<https://doi.org/10.11646/zootaxa.5506.2.1>

Kodada, Goffová, Selnekovič. (2024) First record of the diving beetle *Ilybius pseudoneglectus* (Franciscolo, 1972) in Slovakia (Coleoptera, Dytiscidae). *Check List*.

<https://doi.org/10.15560/20.4.842>

Ciceu, Bălăcenoiu, de Groot *et al.* (2024) The ongoing range expansion of the invasive oak lace bug across Europe: current occurrence and potential distribution under climate change. *Science of The Total Environment*.

<https://doi.org/10.1016/j.scitotenv.2024.174950>

Hordijk, Bialic-Murphy, Lauber *et al.* (2024) Dominance and rarity in tree communities across the globe: Patterns, predictors and threats. *Global Ecology and Biogeography*.

<https://doi.org/10.1111/geb.13889>

Hofmann, Rödder, Andermann *et al.* (2024) Exploring Paleogene Tibet's warm temperate environments through target enrichment and phylogenetic niche modelling of Himalayan spiny frogs (Paini, Dicroglossidae). *Molecular Ecology*.

<https://doi.org/10.1111/mec.17446>

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

Data availability

Total data available for selected taxonomic groups in Slovakia



Mammals
4,849
occurrences



Birds
465,634
occurrences



Bony fish
942
occurrences



Amphibians
1,473
occurrences



Insects
72,151
occurrences



Reptiles
1,617
occurrences



Molluscs
6,857
occurrences



Arachnids
3,877
occurrences



Flowering plants
1,185,759
occurrences



Ferns
32,124
occurrences



Gymnosperms
15,144
occurrences



Mosses
7,089
occurrences



Sac fungi
17,544
occurrences



Basidiomycota
10,980
occurrences

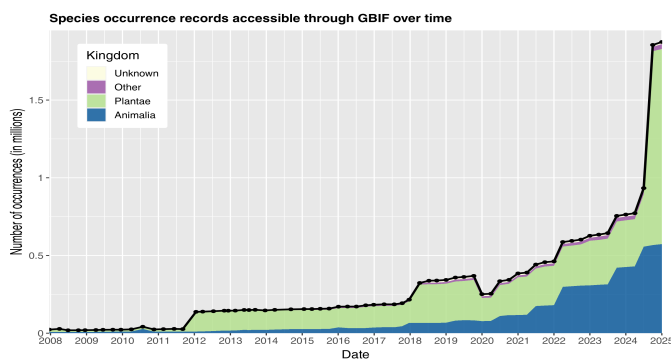
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

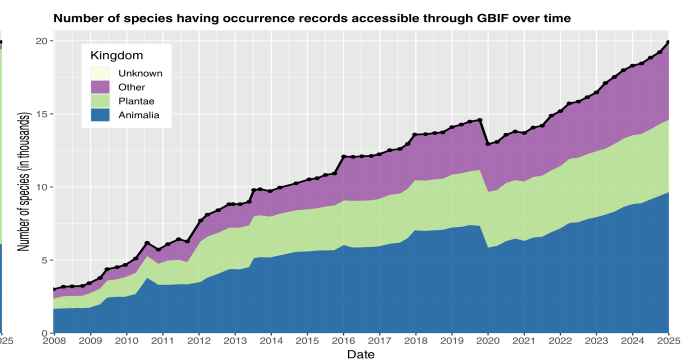
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Slovakia



Occurrence records available about species occurring in Slovakia



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

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 veľkých šeliem, Tatranská Lomnica, lyžiarske stredisko 2024. *Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko*
<https://doi.org/10.15468/ytz3uj>

Prieskum obožiteľníkov Tatranská Lomnica, lyžiarske stredisko 2024. *Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko*
<https://doi.org/10.15468/c4ed3t>

prieskum vtákov, Tatranská Lomnica, lyžiarske stredisko 2024. *Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko*
<https://doi.org/10.15468/5awn4f>

Entomologický prieskum 2024, Tatranská Lomnica, lyžiarske stredisko. *Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko*
<https://doi.org/10.15468/gtzsj8>

Prieskum drobných zemných cicavcov Tatranská Lomnica, lyžiarske stredisko 2024. *Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko*
<https://doi.org/10.15468/uff5j4>

Prieskum rastlín, Tatranská Lomnica, lyžiarske stredisko. *Published by HBH Projekt spol. s r.o., Kabátnikova 5, 602 00 Brno, ČR – organizačná zložka Slovensko*
<https://doi.org/10.15468/vezgb6>

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

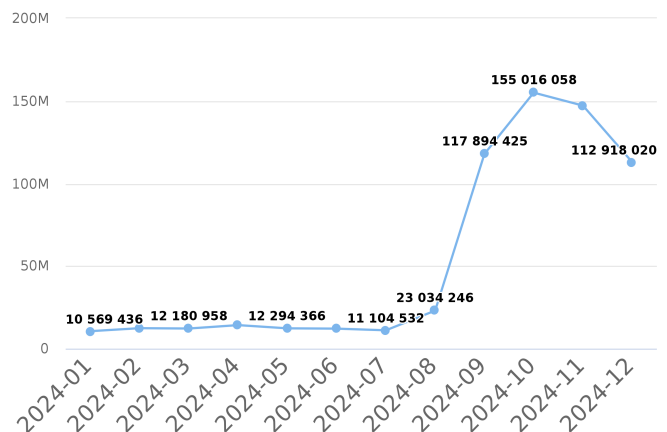
Newest publishers from Slovakia

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

Plant Science and Biodiversity Centre, Institute of Botany, Slovak Academy of Sciences

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

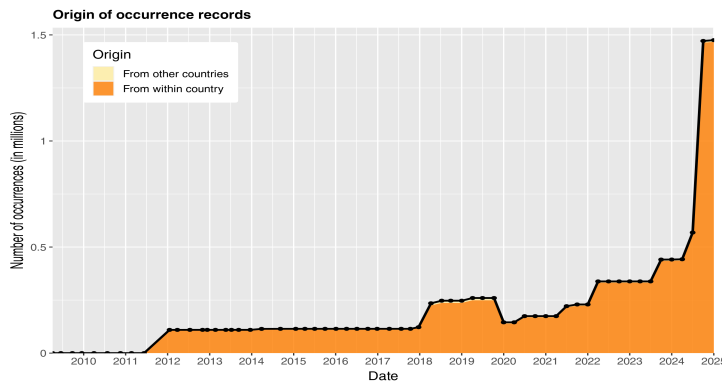
Occurrence records downloaded from GBIF.org, published by institutions in Slovakia



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



Data sharing with country or area of origin

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

Rank	Country or area	No. of occurrences
1	Slovakia	1,466,850
2	United States of America	118,666
3	France	109,253
4	Poland	28,068
5	Netherlands	24,918
6	Czechia	15,329
7	International organization or unknown country	14,239
8	Germany	14,132
9	Austria	12,162
10	United Kingdom	11,197

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

Top datasets contributing data about Slovakia

- Pladius SK - Institute of botany. *906,141 occurrences in Slovakia.* (Last updated 2 Dec 2024)
- EOD – eBird Observation Dataset. *436,040 occurrences in Slovakia.* (Last updated 27 Sep 2024)
- Dataflos. *118,869 occurrences in Slovakia.* (Last updated 18 Aug 2016)
- iNaturalist Research-grade Observations. *99,662 occurrences in Slovakia.* (Last updated 30 Dec 2024)
- PI@ntNet automatically identified occurrences. *97,178 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>

AI for specimen labels

Capacity Enhancement Support Programme, 2024–2025

<https://www.gbif.org/project/CESP2024-016>

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>

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