

generated January 2026

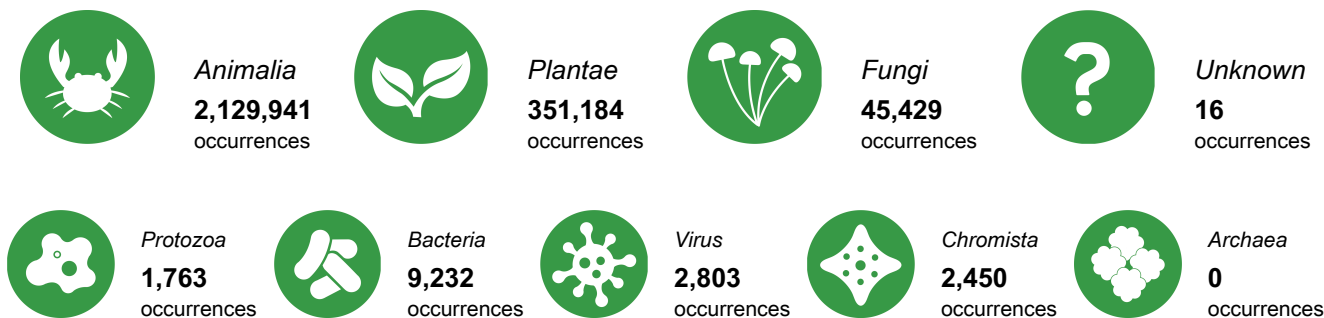
Hungary

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 Hungary. 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.

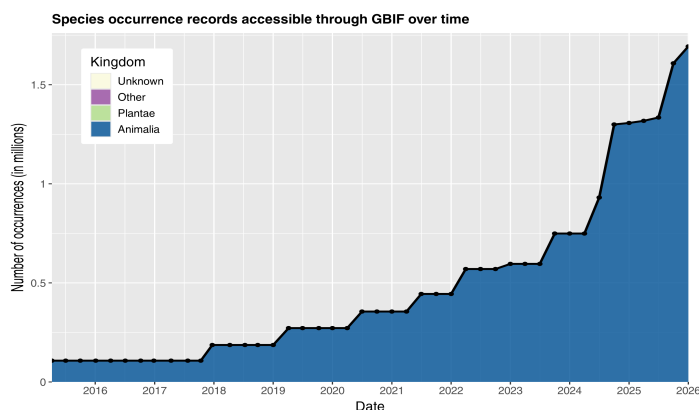
► Access and usage



► Data availability in Hungary



► Data mobilization

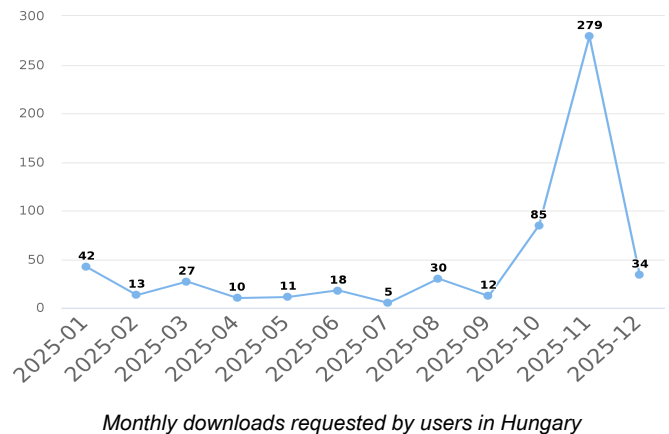
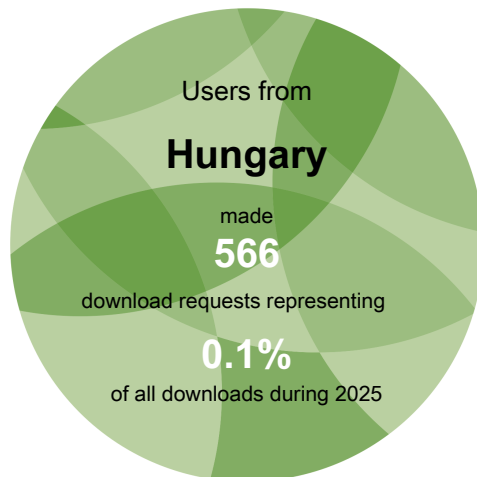


Number of records published by institutions in Hungary,
categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Hungary



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

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 Hungary.

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

Varga, Woods, Pitsillides *et al.* (2025) Whole genome sequencing of historical specimens from the world's largest fungal collection yields high-quality assemblies. *New Phytologist*.
<https://doi.org/10.1111/nph.70472>

Visztra, Szilassi. (2025) The Usability of Citizen Science Data for Research on Invasive Plant Species in Urban Cores and Fringes: A Hungarian Case Study. *Land*.
<https://doi.org/10.3390/land14071389>

Nemesházi, Bókony. (2025) Interplay of Genotypic and Thermal Effects on Sex Determination Shapes Climatic Distribution in Herpetofauna. *Global Ecology and Biogeography*.
<https://doi.org/10.1111/geb.70096>

Silambarasan, A, Gomathi *et al.* (2025) Predicting habitat suitability for conservation of IUCN- red listed medicinal species *Chloroxylon swietenia* DC., in Tamil Nadu, India using ensemble modeling. *Trees, Forests and People*.
<https://doi.org/10.1016/j.tfp.2025.100951>

Lončarević, Liu, Stefanaki *et al.* (2024) Database of European vascular plants red lists as a contribution to more coherent plant conservation. *Scientific Data*.
<https://doi.org/10.1038/s41597-024-03963-0>

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



Data availability

Total data available for selected taxonomic groups in Hungary



Mammals
10,426
occurrences



Birds
1,268,438
occurrences



Bony fish
1,245
occurrences



Amphibians
4,478
occurrences



Insects
773,135
occurrences



Reptiles
6,232
occurrences



Molluscs
20,862
occurrences



Arachnids
28,687
occurrences



Flowering plants
334,747
occurrences



Ferns
4,626
occurrences



Gymnosperms
1,980
occurrences



Mosses
6,521
occurrences



Sac fungi
19,088
occurrences



Basidiomycota
25,496
occurrences

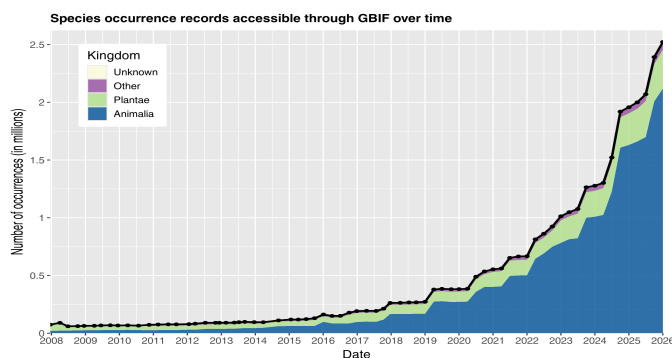
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

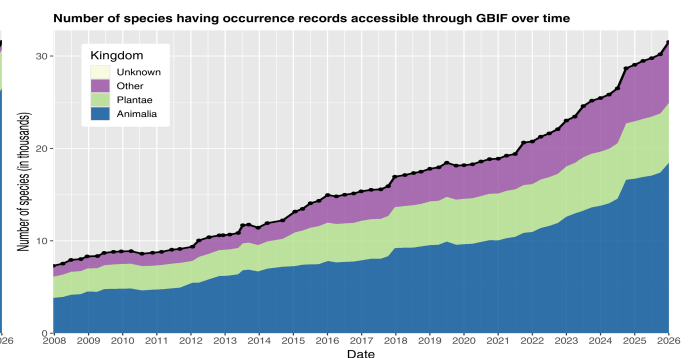
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Hungary



Occurrence records available about species occurring in Hungary



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

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 Hungary

OH_SURVector_Hungary_Mosquitoes. *Published by National Center for Public Health and Pharmacy*
<https://doi.org/10.15468/e7t4xp>

Macroinvertebrate records from Central European streams. *Published by Department of Hydrobiology, University of Pécs*
<https://doi.org/10.15468/qen9u7>

Chironomidae from Central Europe. *Published by Department of Hydrobiology, University of Pécs*
<https://doi.org/10.15468/vcxvf4>

izeltlabuak.hu observations validated to species level. *Published by izeltlabuak.hu*
<https://doi.org/10.15468/rsmdu9>

Kentish plover captures, Hungary. *Published by OpenBioMaps*
<https://doi.org/10.15468/vk2r7w>

AMI-KMNP dataset: records of aquatic macroinvertebrates from SE Hungary. *Published by Department of Hydrobiology, University of Pécs*
<https://doi.org/10.15468/b3ptm>

Database of invertebrates collected in Mongolia. *Published by Hungarian Natural History Museum*
<https://doi.org/10.15468/4zq313>

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

Newest publishers from Hungary

National Center for Public Health and Pharmacy

izeltlabuak.hu

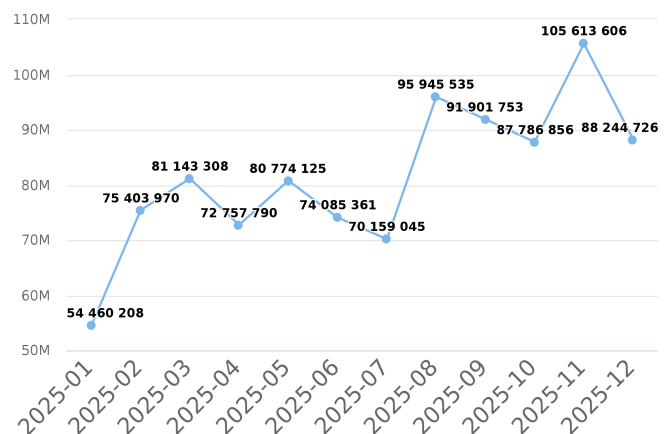
OpenBioMaps

Department of Hydrobiology, University of Pécs

Hungarian Natural History Museum

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

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

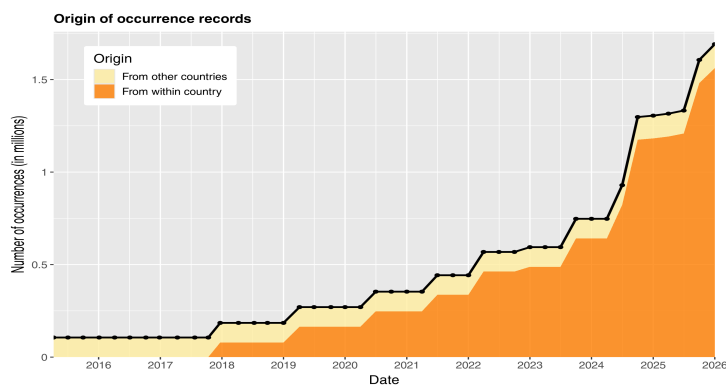


Number of occurrence records downloaded via
GBIF.org published by institutions in Hungary

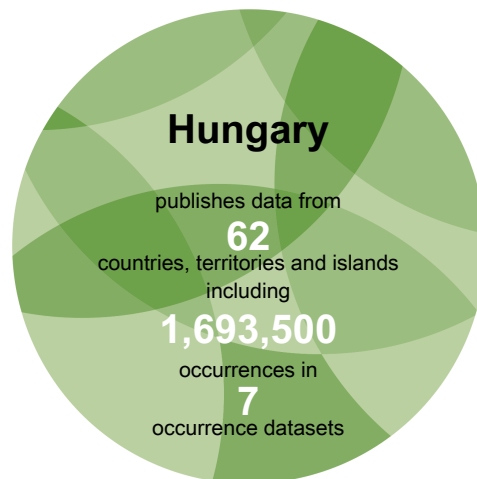


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Hungary

Rank	Country or area	No. of occurrences
1	Hungary	1,562,733
2	United States of America	380,503
3	Netherlands	161,514
4	France	101,511
5	Estonia	65,116
6	Austria	54,181
7	Germany	40,393
8	United Kingdom	33,153
9	International organization or unknown country	30,404
10	Colombia	27,273

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

Top datasets contributing data about Hungary

EOD – eBird Observation Dataset. 1,046,009 occurrences in Hungary. (Last updated 29 Oct 2025)

izeltlabuak.hu observations validated to species level. 486,541 occurrences in Hungary. (Last updated 3 Jan 2026)

iNaturalist Research-grade Observations. 335,334 occurrences in Hungary. (Last updated 31 Dec 2025)

Observation.org, Nature data from around the World. 125,926 occurrences in Hungary. (Last updated 16 Dec 2025)

PI@ntNet automatically identified occurrences. 74,237 occurrences in Hungary. (Last updated 20 Oct 2025)

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