



generated January 2025

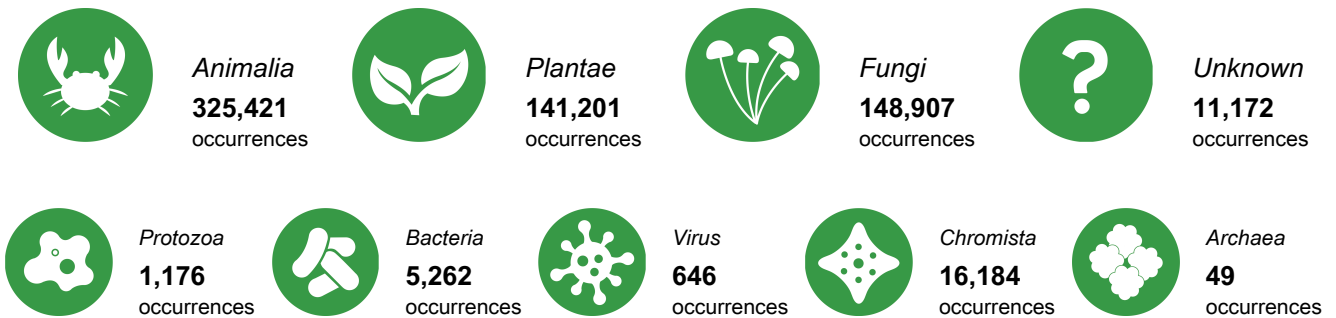
Latvia

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 Latvia. 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.

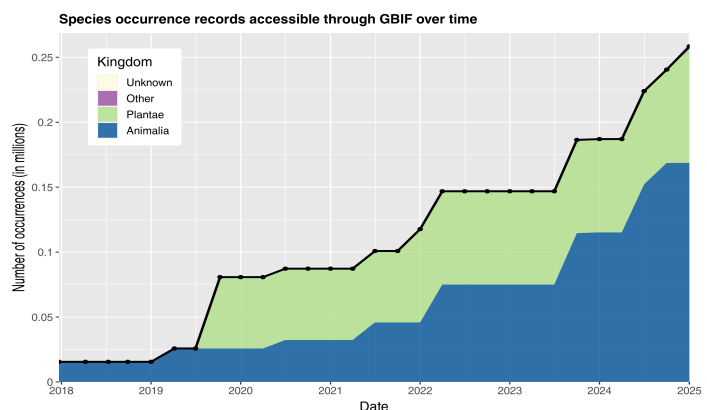
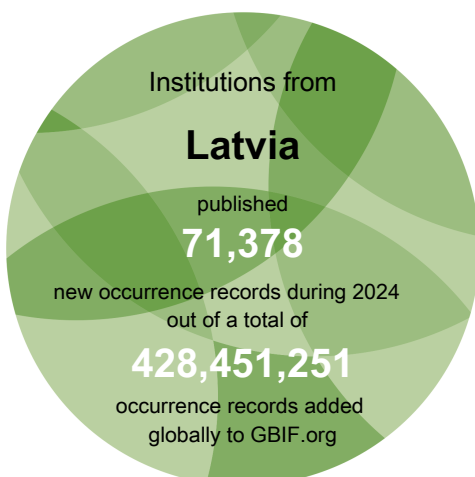
► Access and usage



► Data availability in Latvia



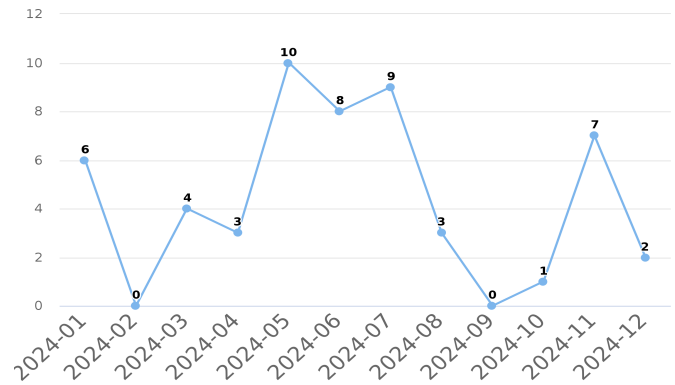
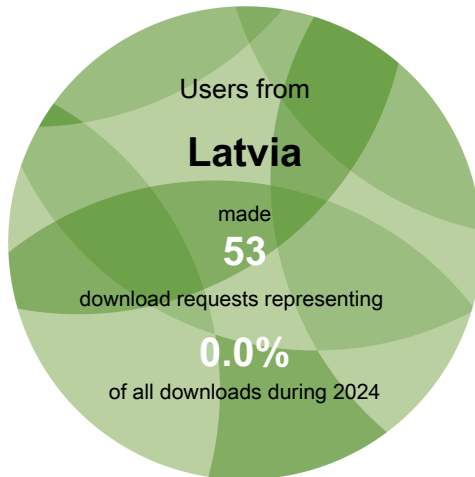
► Data mobilization



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

Access and usage

Data downloads on GBIF.org from users in Latvia



Monthly downloads requested by users in Latvia

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

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 Latvia.

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

Tytar, Kozynenko, Pupins *et al.* (2024) Species Distribution Modeling of *Ixodes ricinus* (Linnaeus, 1758) Under Current and Future Climates, with a Special Focus on Latvia and Ukraine. *Climate*. <https://doi.org/10.3390/cli12110184>

Nekrasova, Lepekha, Pupins *et al.* (2024) Prospects for the Spread of the Invasive Oriental River Prawn *Macrobrachium nipponense*: Potentials and Risks for Aquaculture in Europe. *Water*. <https://doi.org/10.3390/w16192760>

Degtjarenko, Kaupuža, Motiejūnaitė *et al.* (2024) Toward the first Red List of Latvian lichens according to the IUCN criteria. *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*. <https://doi.org/10.1080/11263504.2024.2399056>

Nekrasova, Pupins, Marushchak *et al.* (2024) Present and future distribution of the European pond turtle versus seven exotic freshwater turtles, with a focus on Eastern Europe. *Scientific Reports*. <https://doi.org/10.1038/s41598-024-71911-4>

Trasune, Vāļiranta, Stivrins *et al.* (2024) A comparison of plant macrofossil-based quantitative climate reconstruction methods: A case study of the lateglacial Baltic States. *Quaternary Science Reviews*. <https://doi.org/10.1016/j.quascirev.2024.108811>

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

Data availability

Total data available for selected taxonomic groups in Latvia



Mammals
648
occurrences



Birds
256,787
occurrences



Bony fish
634
occurrences



Amphibians
676
occurrences



Insects
39,737
occurrences



Reptiles
245
occurrences



Molluscs
4,475
occurrences



Arachnids
1,086
occurrences



Flowering plants
115,126
occurrences



Ferns
1,844
occurrences



Gymnosperms
9,202
occurrences



Mosses
9,595
occurrences



Sac fungi
45,123
occurrences



Basidiomycota
85,661
occurrences

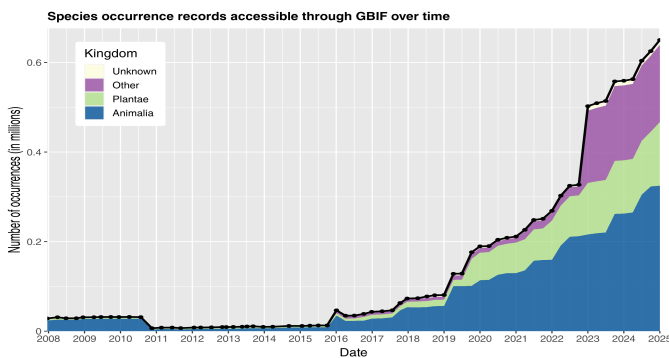
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

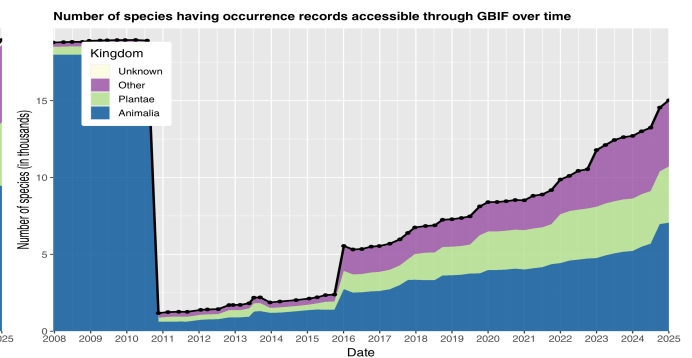
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Latvia



Occurrence records available about species occurring in Latvia



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

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 Latvia

Coleoptera of Latvia - occurrence dataset No 1. *Published by Daugavpils University*

<https://doi.org/10.15468/vdryzk>

Collection and database Filipp Kovalevsky. *Published by Daugavpils University*

<https://doi.org/10.15468/fcdb87>

Kalsnava Arboretum Dendrological Collection. *Published by Daugavpils University*

<https://doi.org/10.15468/ymhpd7>

Herbarium Universitatis Daugavpiliensis. *Published by Daugavpils University*

<https://doi.org/10.15468/owig1t>

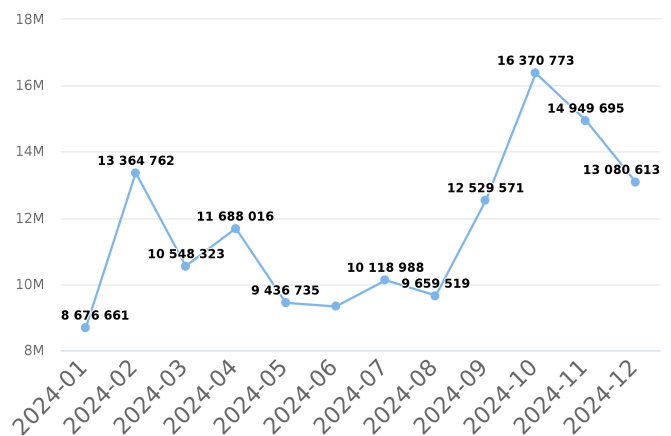
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=LV

Newest publishers from Latvia

Daugavpils University

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

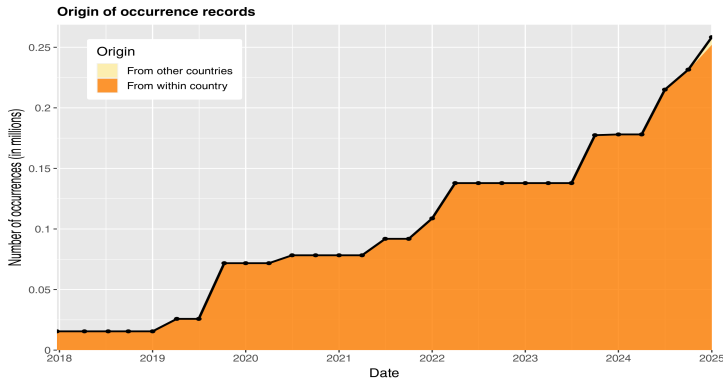
Occurrence records downloaded from GBIF.org, published by institutions in Latvia



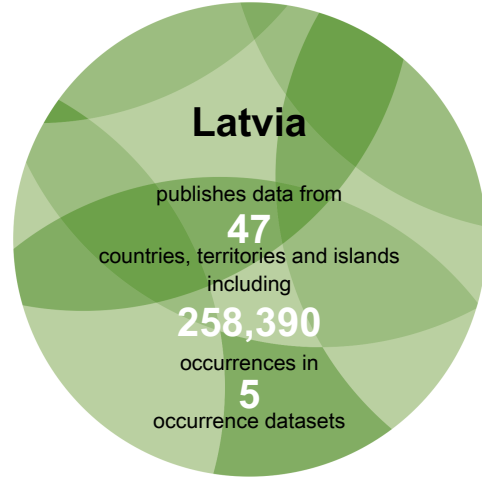
Number of occurrence records downloaded via
GBIF.org published by institutions in Latvia

Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Latvia

Rank	Country or area	No. of occurrences
1	Estonia	263,158
2	Latvia	252,039
3	United States of America	31,890
4	Sweden	21,987
5	Netherlands	21,953
6	Russian Federation	19,674
7	United Kingdom	8,682
8	Finland	8,649
9	France	7,321
10	Germany	3,068

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

Top datasets contributing data about Latvia

- Global soil organisms. *171,338 occurrences in Latvia.* (Last updated 27 Feb 2023)
- EOD – eBird Observation Dataset. *151,554 occurrences in Latvia.* (Last updated 27 Sep 2024)
- Herbarium Universitatis Daugavpiliensis. *67,061 occurrences in Latvia.* (Last updated 29 May 2024)
- BirdMap Data - GPS tracking of Storks, Cranes and birds of prey, breeding in Northern and Eastern Europe. *51,564 occurrences in Latvia.* (Last updated 16 Jul 2024)
- iNaturalist Research-grade Observations. *22,289 occurrences in Latvia.* (Last updated 30 Dec 2024)

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