

generated January 2025

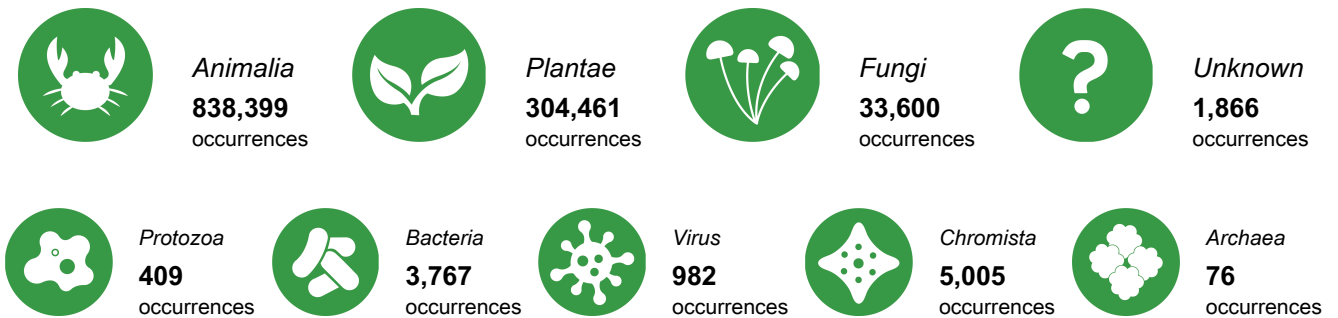
Romania

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 Romania. 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.

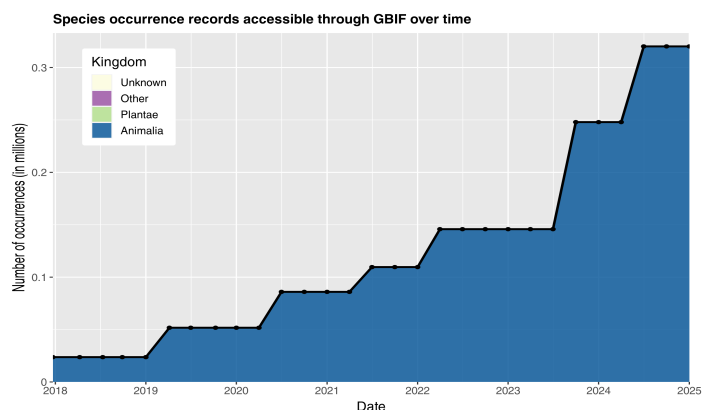
► Access and usage



► Data availability in Romania



► Data mobilization

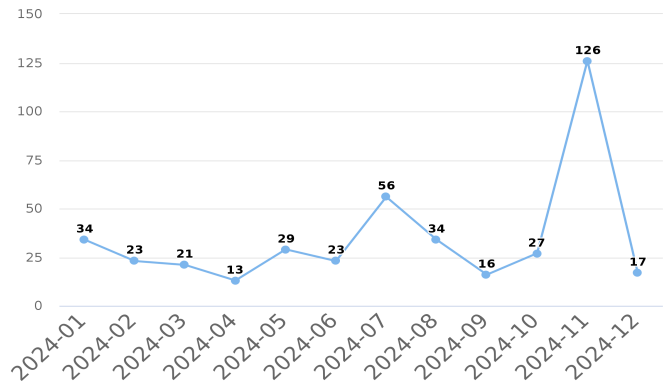
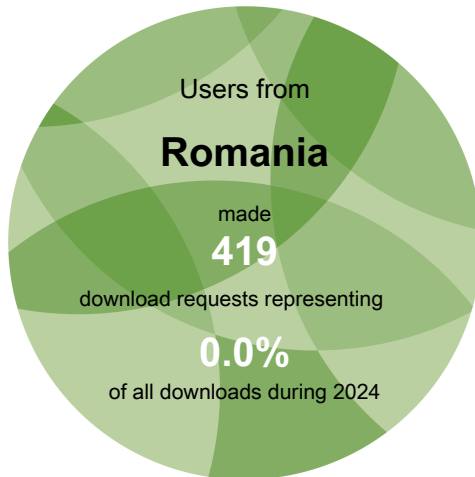


Number of records published by institutions in Romania, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Romania



Monthly downloads requested by users in Romania

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

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 Romania.

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

Șuțan, Paunescu, Topala *et al.* (2024) Aconitine in Synergistic, Additive and Antagonistic Approaches. *Toxins*.

<https://doi.org/10.3390/toxins16110460>

Puchalka, Paż-Dyderska, Jagodziński *et al.* (2024) Predicted range shifts of the main forest forming trees in Europe. *PEN-CAFoRR Final Conference*.

Petrușcu-Vancea, Cupcea, Fereșca *et al.* (2024) Low altitude *Vaccinium myrtillus* L. populations in the Elniș Valley (Danube Gorge, Carpathian Mountains, Romania). *Journal for Nature Conservation*.

<https://doi.org/10.1016/j.jnc.2024.126730>

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>

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



Data availability

Total data available for selected taxonomic groups in Romania



Mammals
14,152
occurrences



Birds
577,995
occurrences



Bony fish
13,441
occurrences



Amphibians
3,810
occurrences



Insects
185,445
occurrences



Reptiles
4,240
occurrences



Molluscs
20,810
occurrences



Arachnids
6,088
occurrences



Flowering plants
295,976
occurrences



Ferns
2,878
occurrences



Gymnosperms
1,518
occurrences



Mosses
1,801
occurrences



Sac fungi
16,719
occurrences



Basidiomycota
15,165
occurrences

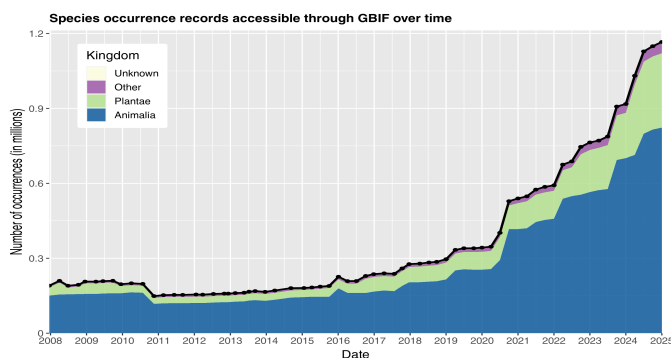
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

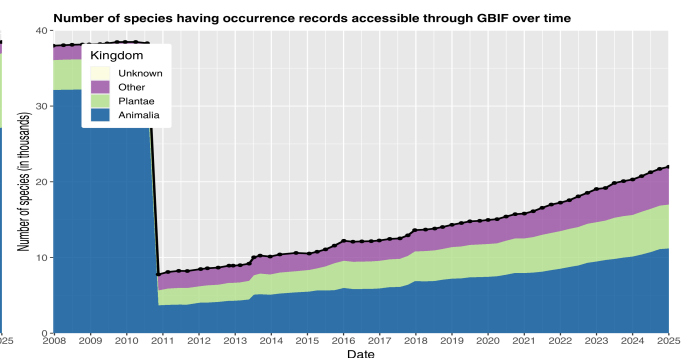
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Romania



Occurrence records available about species occurring in Romania



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

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.

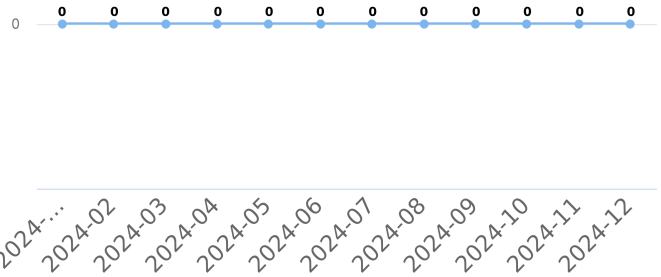
SPECIES COUNTS represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



Newest publishers from Romania

No data available

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



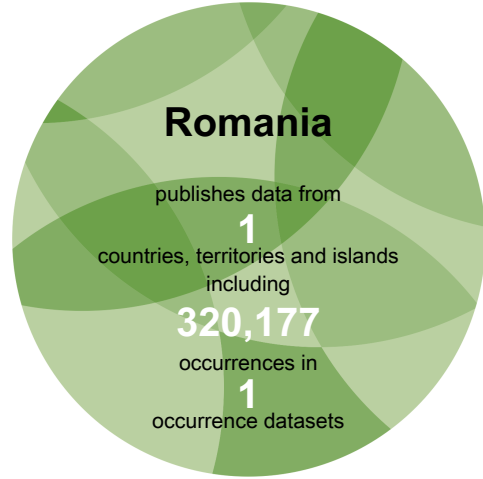
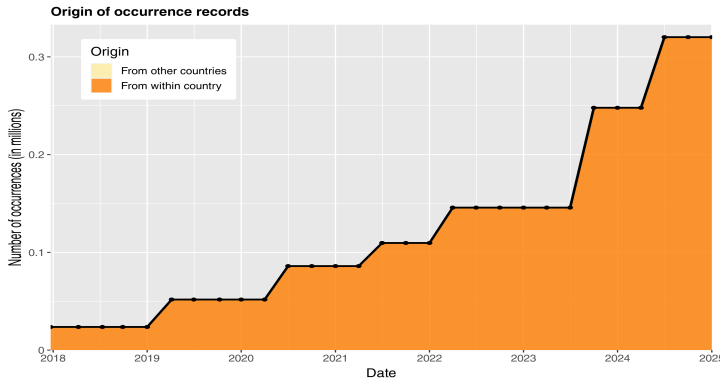
See all publishers from this country or area
gbif.org/publisher/search?country=RO

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



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Romania

Rank	Country or area	No. of occurrences
1	Romania	320,177
2	Netherlands	235,552
3	Bulgaria	148,036
4	United States of America	123,446
5	Austria	110,869
6	Germany	38,512
7	France	33,670
8	Estonia	28,210
9	International organization or unknown country	26,112
10	United Kingdom	22,789

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

Top datasets contributing data about Romania

- EOD – eBird Observation Dataset. 320,177 occurrences in Romania. (Last updated 27 Sep 2024)
- Observation.org, Nature data from around the World. 188,841 occurrences in Romania. (Last updated 3 Jan 2025)
- ZOBODAT (Zoological Botanical Database). 107,516 occurrences in Romania. (Last updated 21 Dec 2024)
- alien_plant_ro. 98,323 occurrences in Romania. (Last updated 12 Mar 2024)
- iNaturalist Research-grade Observations. 96,256 occurrences in Romania. (Last updated 30 Dec 2024)

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