

generated January 2026

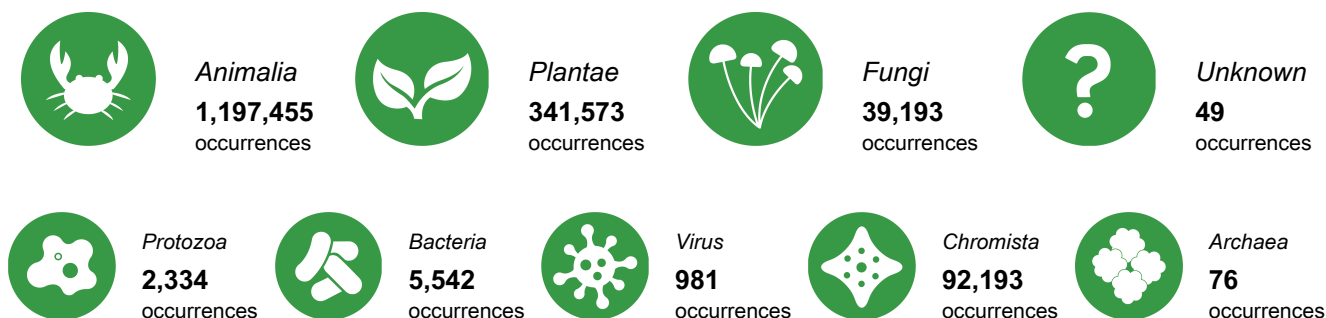
Romania

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.

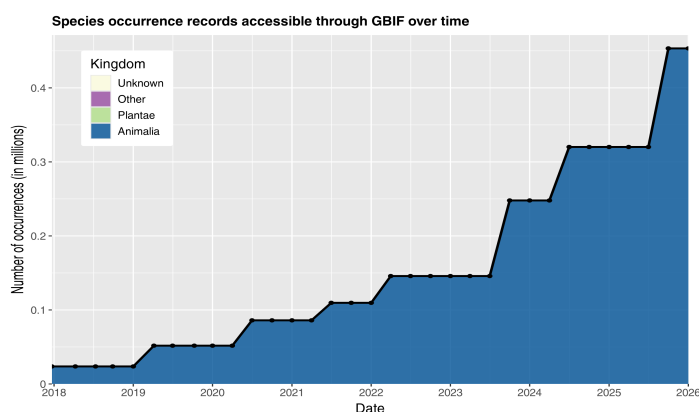
► Access and usage



► Data availability in Romania



► Data mobilization

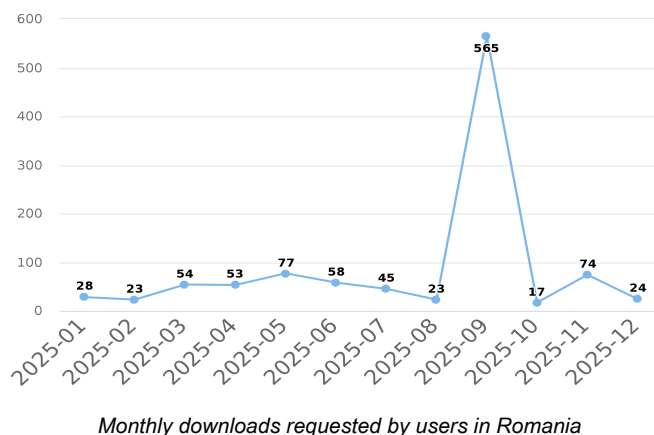
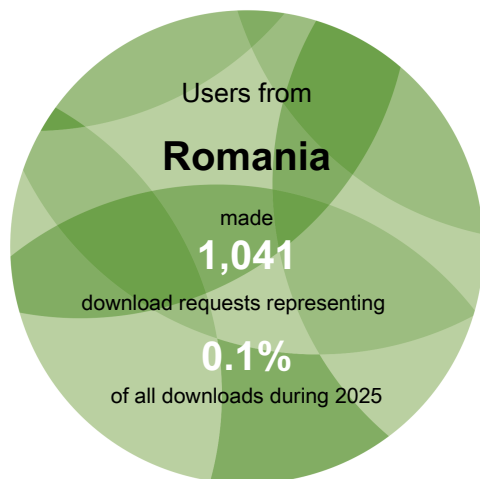


Number of records published by institutions in Romania, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Romania



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.

Lucas, Thuiller, Talluto *et al.* (2025) Trophic Interactions Are Key to Understanding the Effects of Global Change on the Distribution and Functional Role of the Brown Bear. *Global Change Biology*.
<https://doi.org/10.1111/gcb.70252>

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>

Touzot, Beauchamp, Baranger *et al.* (2025) Shade tolerance controls the spectrum of crown sizes and its response to local competition across European and North American tree species. Implications for light interception strategies. *Oikos*.
<https://doi.org/10.1002/oik.10603>

Spaseni, Gherghel, Sahlean *et al.* (2025) Niche Differentiation and Spatial Segregation of Melanistic and Non-Melanistic Colour Morphs in a Widespread Palearctic Reptile. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15150>

Gabrielczak, Filimon, Stoica *et al.* (2025) Hidden Endemicity of Lepidochitona Molluscs in the Black Sea: First Molecular Insights and Ecological Characterization Shows Genetic Isolation of Species in Littoral Habitats and Need for Conservation Efforts. *Aquatic Conservation: Marine and Freshwater Ecosystems*.



Data availability

Total data available for selected taxonomic groups in Romania



Mammals
16,303
occurrences



Birds
741,751
occurrences



Bony fish
13,674
occurrences



Amphibians
5,102
occurrences



Insects
226,144
occurrences



Reptiles
6,376
occurrences



Molluscs
35,351
occurrences



Arachnids
8,098
occurrences



Flowering plants
327,133
occurrences



Ferns
3,570
occurrences



Gymnosperms
1,593
occurrences



Mosses
2,136
occurrences



Sac fungi
18,661
occurrences



Basidiomycota
18,707
occurrences

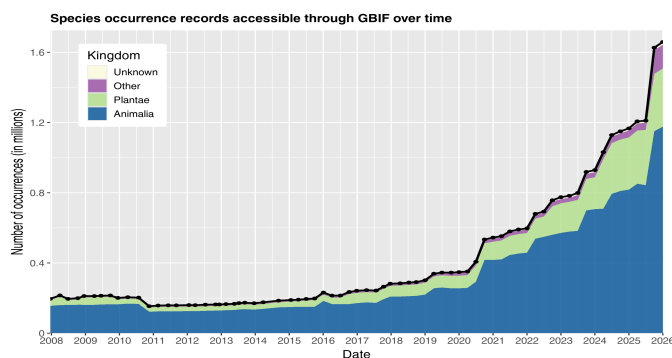
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

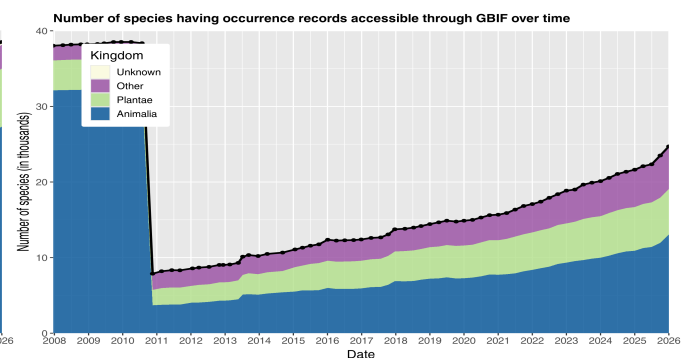
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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.

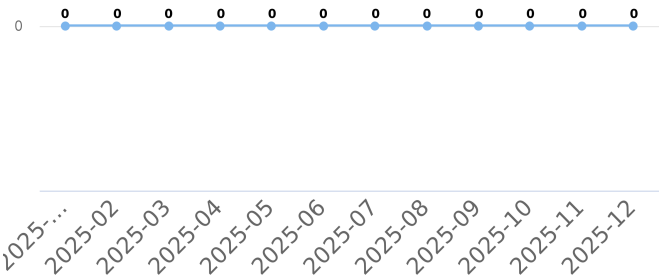
SPECIES COUNTS represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



Newest publishers from Romania

No data available

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



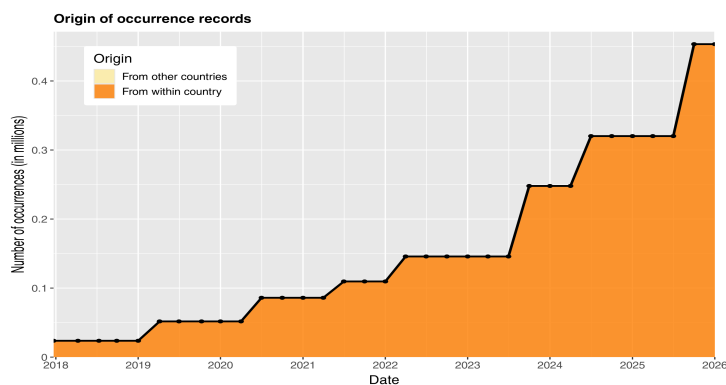
See all publishers from this country or area
gbif.org/publisher/search?country=RO

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

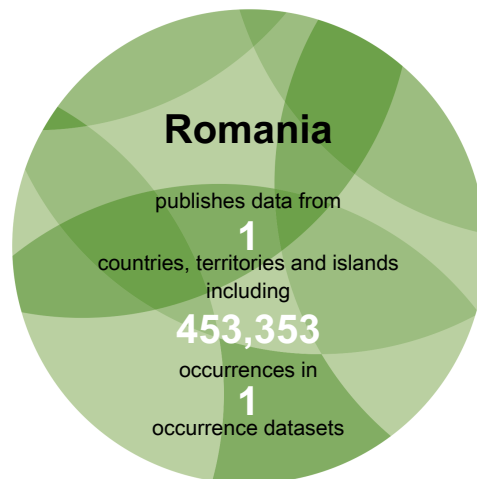


Data mobilization

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	453,353
2	Belgium	249,912
3	Netherlands	245,963
4	United States of America	192,520
5	Bulgaria	150,667
6	Austria	111,501
7	Germany	42,908
8	France	36,903
9	United Kingdom	30,946
10	Estonia	28,241

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

Top datasets contributing data about Romania

EOD – eBird Observation Dataset. 453,353 occurrences in Romania. (Last updated 29 Oct 2025)

Observation.org, Nature data from around the World. 198,798 occurrences in Romania. (Last updated 16 Dec 2025)

iNaturalist Research-grade Observations. 165,199 occurrences in Romania. (Last updated 31 Dec 2025)

ZOBODAT (Zoological Botanical Database). 107,710 occurrences in Romania. (Last updated 21 Dec 2024)

alien_plant_ro. 98,323 occurrences in Romania. (Last updated 24 Mar 2025)

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