GBIF Global Biodiversity Information Facility

Activity report

generated January 2025

Austria

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 Austria. 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

Researchers from

Austria

contributed to

33

peer-reviewed articles citing GBIF use during 2024 and a total of

201

articles since 2008

▸ Data availability in Austria

Animalia
6,576,469
occurrences

Plantae
5,408,051
occurrences

Fungi
926,668
occurrences

Unknown
13,151
occurrences

Protozoa
8,417
occurrences

Bacteria
8,866
occurrences

Virus
1,126
occurrences

Chromista
9,132
occurrences

Archaea
22
occurrences

▸ Data mobilization

Institutions from

Austria

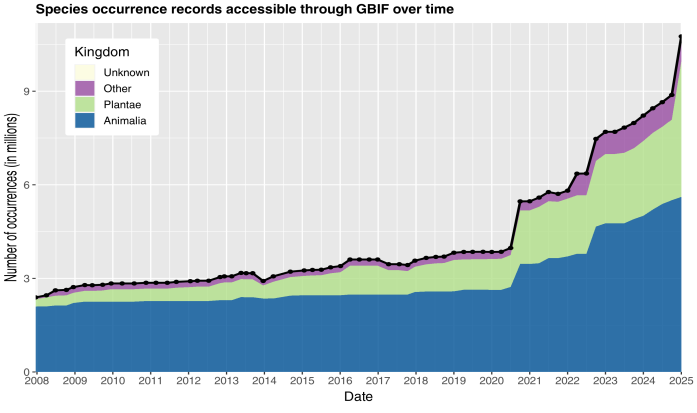
published

2,537,337

new occurrence records during 2024 out of a total of

428,451,251

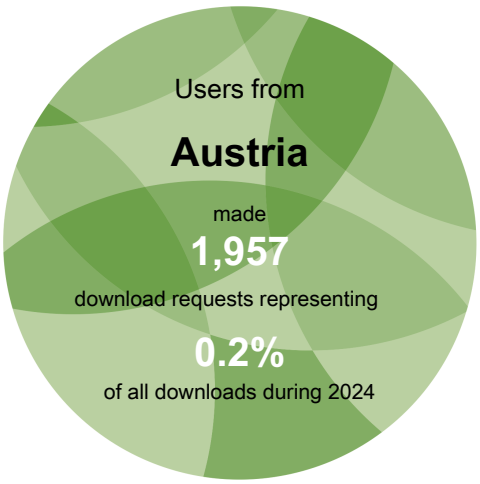
occurrence records added globally to GBIF.org

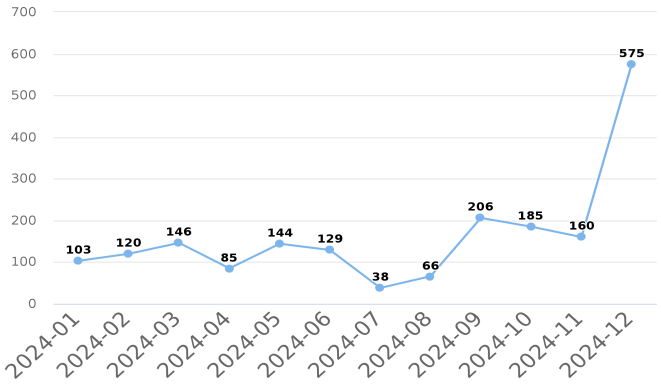


Number of records published by institutions in Austria, categorized by kingdom

Access and usage

Data downloads on GBIF.org from users in Austria





Monthly downloads requested by users in Austria

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

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 Austria.

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

González-Moreno, Anđelković, Adriaens *et al.* (2024) Citizen science platforms can effectively support early detection of invasive alien species according to species traits. *People and Nature.* https://doi.org/10.1002/pan3.10767

Plášek, Číhal, Müller *et al.* (2024) Newly found and rediscovered hornworts (Anthocerotophyta) in Poland: Indicators of climate change impact in Central Europe. *PhytoKeys.* https://doi.org/10.3897/phytokeys.248.134729

Vorstenbosch, Essl, Lenzner *et al.* (2024) Venturing Into the Unknown: The Importance of Variable Selection When Modelling Alien Species Under Non-Analogue Climatic Conditions. *Ecology and Evolution.* https://doi.org/10.1002/ece3.70490

Lapin, Dyderski. (2024) Expanding range of the invasive shrub Amorpha fruticosa under changing climate. *Regional Environmental Change.* https://doi.org/10.1007/s10113-024-02310-8

Journé, Bogdziewicz, Courbaud *et al.* (2024) The Relationship Between Maturation Size and Maximum Tree Size From Tropical to Boreal Climates. *Ecology Letters.* https://doi.org/10.1111/ele.14500

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

Data availability

Total data available for selected taxonomic groups in Austria

Mammals
148,078
occurrences

Birds
2,397,044
occurrences

Bony fish
19,419
occurrences

Amphibians
119,468
occurrences

Insects
3,438,027
occurrences

Reptiles
59,808
occurrences

Molluscs
237,159
occurrences

Arachnids
110,183
occurrences

Flowering plants
4,906,861
occurrences

Ferns
189,962
occurrences

Gymnosperms
155,289
occurrences

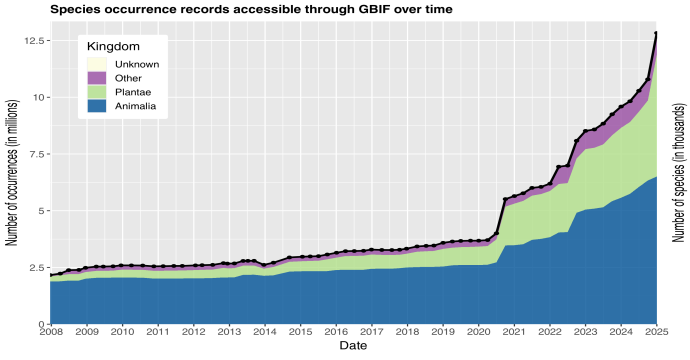
Mosses
106,282
occurrences

Sac fungi
303,812
occurrences

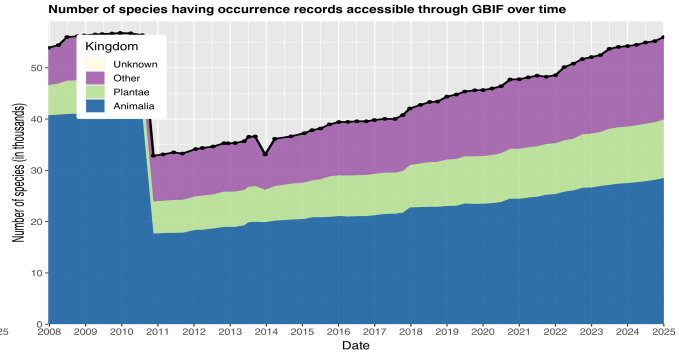
Basidiomycota
619,048
occurrences

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 Austria



Occurrence records available about species occurring in Austria



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

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 Austria

Biodiversitätsdatenbank Nationalpark Donau-Auen. *Published by Nationalpark Donau-Auen*
https://doi.org/10.15468/w8fmdh

Biodiversitätsdatenbank Nationalpark Gesäuse. *Published by Nationalpark Gesäuse*
https://doi.org/10.15468/e7wxe3

Biodiversitätsdatenbank Nationalpark Kalkalpen. *Published by National Park Kalkalpen*
https://doi.org/10.15468/tgezgw

Biodiversitätsdatenbank Nationalpark Neusiedler See - Seewinkel. *Published by Nationalpark Neusiedler See - Seewinkel*
https://doi.org/10.15468/9yqyds

Biodiversitätsdatenbank Nationalpark Thayatal. *Published by Nationalpark Thayatal*
https://doi.org/10.15468/hphy4x

Österreichische Mykologische Gesellschaft - Austrian Mycological Society. *Published by Österreichische Mykologische Gesellschaft*
https://doi.org/10.15468/wang2b

Roadkill. *Published by University of Natural Resources and Life Sciences, Vienna*
https://doi.org/10.15468/ejb47y

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

Newest publishers from Austria

Nationalpark Thayatal

Nationalpark Donau-Auen

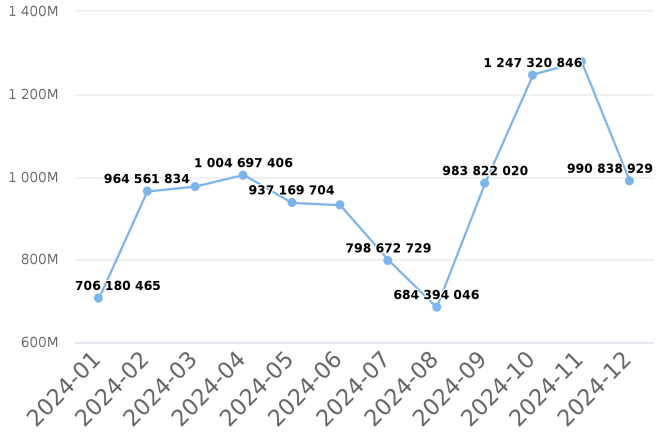
National Park Kalkalpen

Nationalpark Neusiedler See - Seewinkel

Nationalpark Gesäuse

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

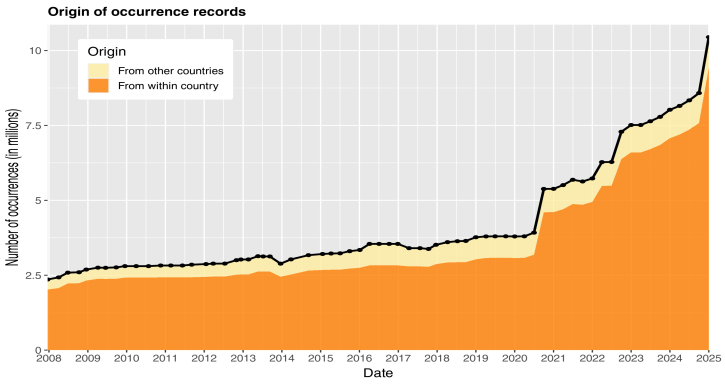
Occurrence records downloaded from GBIF.org, published by institutions in Austria

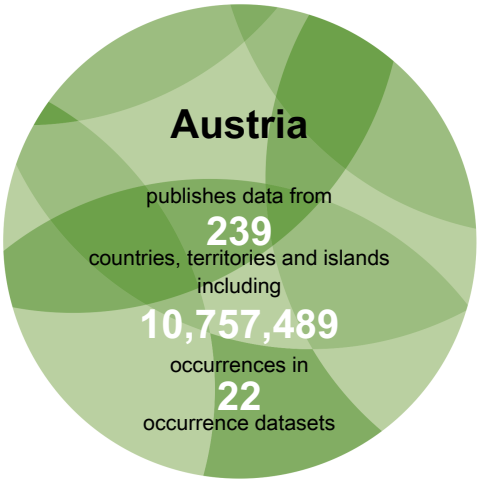


Number of occurrence records downloaded via GBIF.org published by institutions in Austria

Data mobilization

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





Data sharing with country or area of origin

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

Top data contributors about biodiversity in Austria

Rank	Country or area	No. of occurrences
1	Austria	9,526,631
2	United States of America	1,362,029
3	Netherlands	947,954
4	France	379,391
5	Germany	304,472
6	Switzerland	78,553
7	United Kingdom	64,069
8	Sweden	61,334
9	International organization or unknown country	49,155
10	Estonia	25,165

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

Top datasets contributing data about Austria

ZOBODAT (Zoological Botanical Database). *3,051,449 occurrences in Austria.* (Last updated 21 Dec 2024)

Biodiversitätsdatenbank Salzburg. *2,384,887 occurrences in Austria.* (Last updated 12 Dec 2024)

Biodiversitätsdatenbank Nationalpark Kalkalpen. *1,747,917 occurrences in Austria.* (Last updated 12 Dec 2024)

iNaturalist Research-grade Observations. *1,294,302 occurrences in Austria.* (Last updated 30 Dec 2024)

Observation.org, Nature data from around the World. *864,409 occurrences in Austria.* (Last updated 3 Jan 2025)

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