

generated January 2025

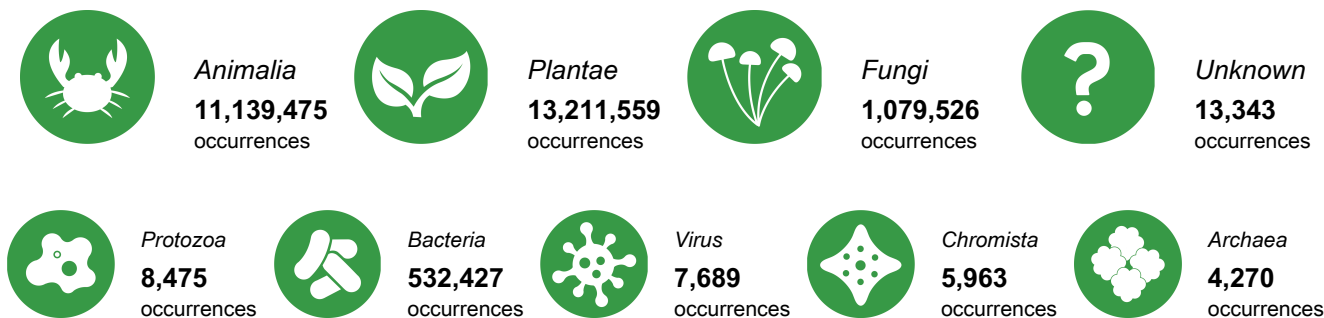
Switzerland

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 Switzerland. 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.

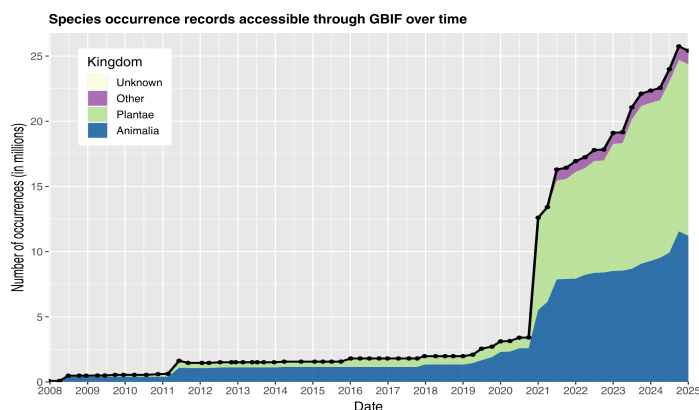
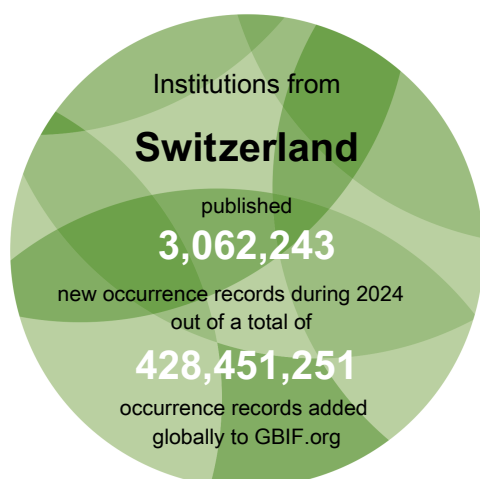
► Access and usage



► Data availability in Switzerland



► Data mobilization

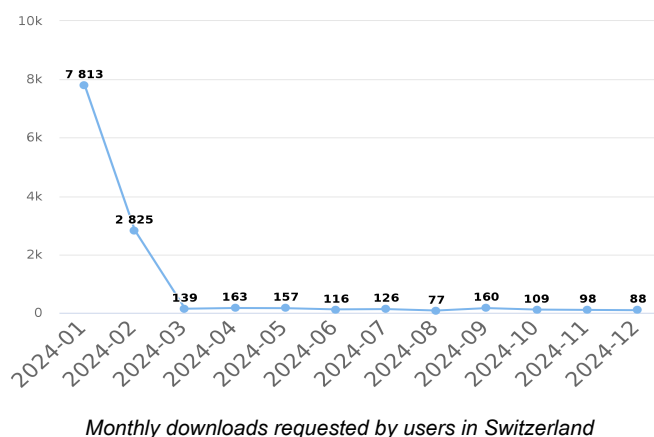
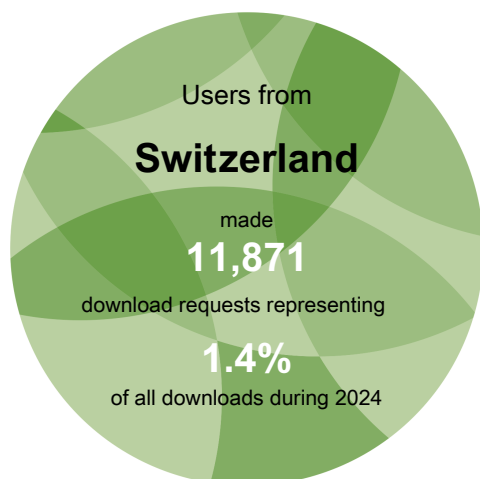


Number of records published by institutions in Switzerland, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Switzerland



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

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 Switzerland.

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

Wenk, Mesaglio, Keith *et al.* (2024) Curating protected area-level species lists in an era of diverse and dynamic data sources. *Ecological Informatics*.
<https://doi.org/10.1016/j.ecoinf.2024.102921>

Xiang, Yang, Gernandt *et al.* (2024) Ecological and Evolutionary Factors Contribute to the Uneven Diversification of Firs in the Northern Hemisphere. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15055>

Waldock, Maire, Albouy *et al.* (2024) Micronutrient levels of global tropical reef fish communities differ from fisheries capture. *People and Nature*.
<https://doi.org/10.1002/pan3.10736>

Liu, Wang, Willett *et al.* (2024) Escarpment evolution drives the diversification of the Madagascar flora. *Science*.
<https://doi.org/10.1126/science.adi0833>

Adde, Külling, Rey *et al.* (2024) Projecting Untruncated Climate Change Effects on Species' Climate Suitability: Insights From an Alpine Country. *Global Change Biology*.
<https://doi.org/10.1111/gcb.17557>

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



Data availability

Total data available for selected taxonomic groups in Switzerland



Mammals
717,270
occurrences



Birds
1,875,798
occurrences



Bony fish
68,092
occurrences



Amphibians
410,324
occurrences



Insects
7,390,979
occurrences



Reptiles
60,945
occurrences



Molluscs
323,308
occurrences



Arachnids
250,433
occurrences



Flowering plants
12,324,806
occurrences



Ferns
325,269
occurrences



Gymnosperms
184,710
occurrences



Mosses
273,184
occurrences



Sac fungi
305,169
occurrences



Basidiomycota
771,513
occurrences

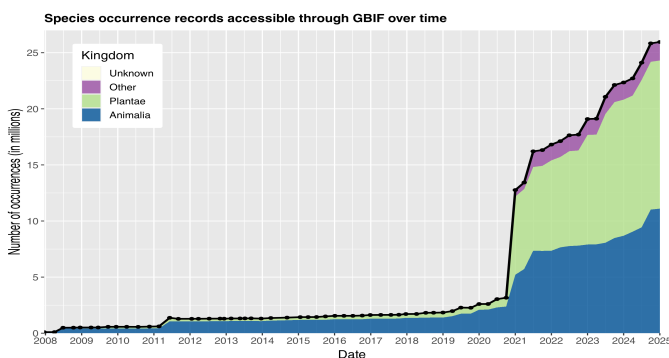
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

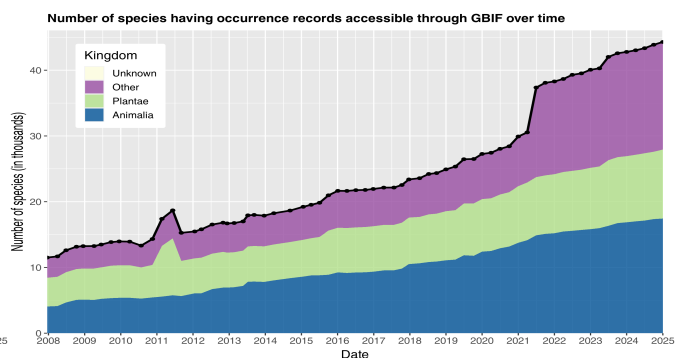
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Switzerland



Occurrence records available about species occurring in Switzerland



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

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 Switzerland

Free-living predatory cheyletid mites (Acariformes: Cheyletidae) from Cat Tien National Park, Vietnam. *Published by Plazi.org taxonomic treatments database*
<https://doi.org/10.15468/6ew4u3>

A new arenicolous species of the genus Thyreophagus (Acari: Acaridae) from the Caspian sea coast: Taxonomy and ecological insights. *Published by Plazi.org taxonomic treatments database*
<https://doi.org/10.15468/m569tg>

A new species of Galumnella (Acari, Oribatida, Galumnellidae) from Vietnam. *Published by Plazi.org taxonomic treatments database*
<https://doi.org/10.15468/4jgyve>

New findings of oribatid mites of the genus Suctobelbella (Acari: Oribatida: Suctobelbidae) from Korea. *Published by Plazi.org taxonomic treatments database*
<https://doi.org/10.15468/bneys8>

A new species of the genus Paralycus Womersley, 1944 (Acari, Oribatida, Pediculochelidae) from Shikoku-island, Japan. *Published by Plazi.org taxonomic treatments database*
<https://doi.org/10.15468/mmgh8h>

A new species of Rostrozetes (Acari: Oribatida: Haplozetidae) from Brazil. *Published by Plazi.org taxonomic treatments database*
<https://doi.org/10.15468/725mwy>

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

Newest publishers from Switzerland

Muséum d'histoire naturelle de Neuchâtel – MHNN

Bündner Naturmuseum, Chur - BNM

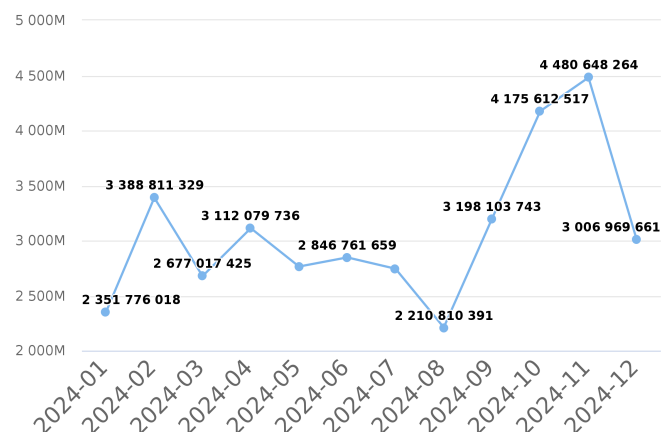
Swiss National Biodiversity Data and Information
Centres – infospecies.ch

Naturhistorisches Museum Bern - NMBE

Naturhistorisches Museum Basel - NMB

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

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

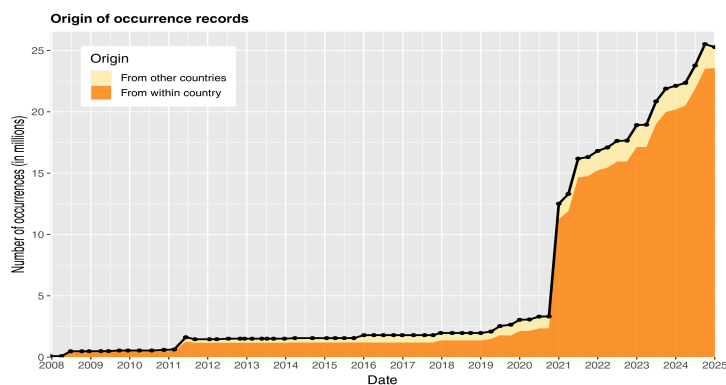


Number of occurrence records downloaded via
GBIF.org published by institutions in Switzerland

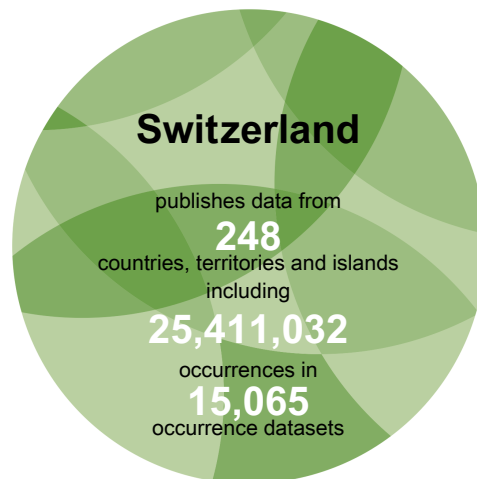


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Switzerland

Rank	Country or area	No. of occurrences
1	Switzerland	23,593,996
2	United Kingdom	592,889
3	France	589,808
4	United States of America	493,752
5	Netherlands	387,840
6	Germany	98,521
7	Belgium	47,983
8	Sweden	35,974
9	International organization or unknown country	28,983
10	Colombia	20,090

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

Top datasets contributing data about Switzerland

Swiss National Databank of Vascular Plants. 11,567,789 occurrences in Switzerland. (Last updated 2 Jun 2024)

Swiss National Butterflies and Forester Moths Databank. 2,470,490 occurrences in Switzerland. (Last updated 12 Sep 2024)

Swiss National Moths Databank. 1,622,461 occurrences in Switzerland. (Last updated 21 Aug 2024)

EOD – eBird Observation Dataset. 1,504,913 occurrences in Switzerland. (Last updated 27 Sep 2024)

Swiss National Coleoptera Databank. 936,136 occurrences in Switzerland. (Last updated 13 Nov 2024)

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