

generated January 2025

Sweden

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 Sweden. 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 Sweden



Animalia
107,781,810
occurrences



Plantae
37,777,923
occurrences



Fungi
5,923,755
occurrences



Unknown
147,420
occurrences



Protozoa
80,699
occurrences



Bacteria
607,283
occurrences



Virus
10,002
occurrences

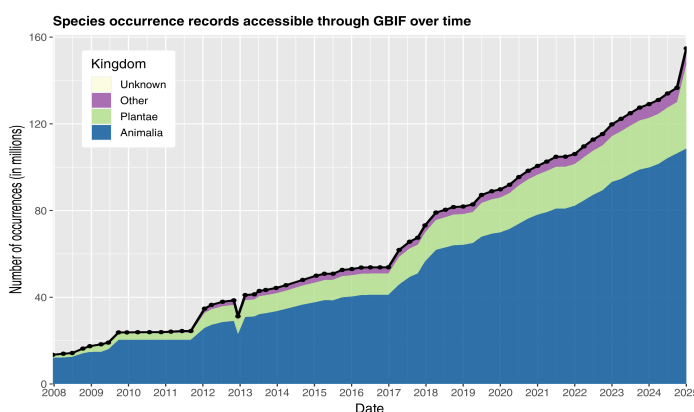


Chromista
819,306
occurrences



Archaea
6,649
occurrences

► Data mobilization

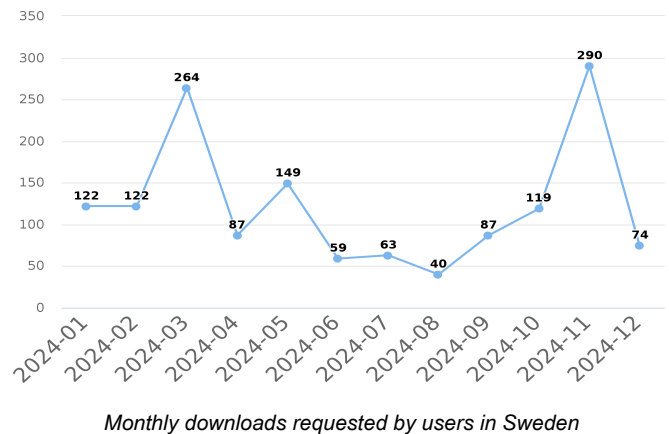
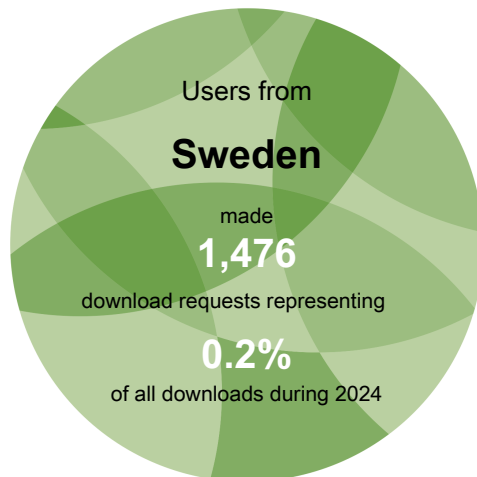


Number of records published by institutions in Sweden,
categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Sweden



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

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 Sweden.

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

Kessous, Farooq, Testo *et al.* (2024) New insights into the classification, diversification, and evolutionary dynamics of bromeliads. *Botanical Journal of the Linnean Society*.
<https://doi.org/10.1093/botlinnean/boae074>

Christiansen, Ehrlén, Hylander. (2024) Competitive interactions modify the direct effects of climate. *Ecography*.
<https://doi.org/10.1111/ecog.07322>

Pantoja, Vieira, Lima *et al.* (2024) Genome Dynamics of Adaptation and Introgression in Neotropical Palms. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15040>

Hansen, Bergman, Kopf *et al.* (2024) Resistance of Australian fish communities to drought and flood: implications for climate change and adaptations. *Ecography*.
<https://doi.org/10.1111/ecog.07442>

Gross, Duffy, Hovel *et al.* (2024) A Latitudinal Cline in the Taxonomic Structure of Eelgrass Epifaunal Communities is Associated With Plant Genetic Diversity. *Global Ecology and Biogeography*.
<https://doi.org/10.1111/geb.13918>

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



Data availability

Total data available for selected taxonomic groups in Sweden



Mammals
679,308
occurrences



Birds
90,916,362
occurrences



Bony fish
3,825,573
occurrences



Amphibians
113,152
occurrences



Insects
9,856,770
occurrences



Reptiles
51,733
occurrences



Molluscs
884,111
occurrences



Arachnids
280,625
occurrences



Flowering plants
32,271,490
occurrences



Ferns
1,526,709
occurrences



Gymnosperms
803,551
occurrences



Mosses
1,927,765
occurrences



Sac fungi
2,658,862
occurrences



Basidiomycota
3,231,945
occurrences

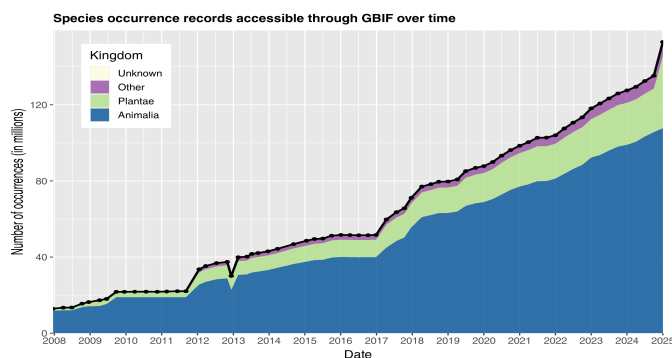
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

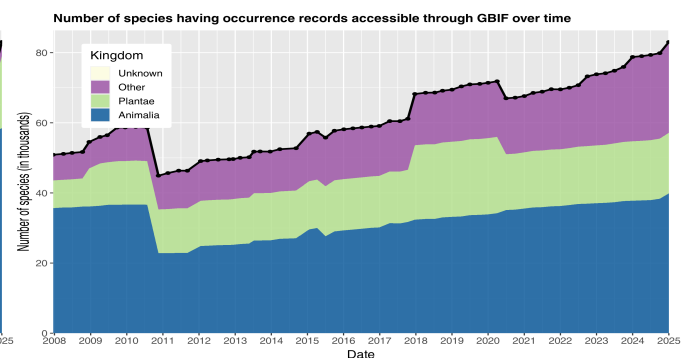
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Sweden



Occurrence records available about species occurring in Sweden



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

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 Sweden

Swedish Bird Survey: Swedish waterbird census (September). *Published by Department of Biology, Lund University*
<https://doi.org/10.15468/puqjx8>

Swedish Bird Survey: Swedish waterbird census (January). *Published by Department of Biology, Lund University*
<https://doi.org/10.15468/dytntx>

Palaeobotanical Collections (PB), Swedish Museum of Natural History (NRM). *Published by Swedish Museum of Natural History*
<https://doi.org/10.15468/y8mdvg>

Ornithology Collection NRM. *Published by Swedish Museum of Natural History*
<https://doi.org/10.15468/7jc4xq>

Seal Observation Database (NRM). *Published by Swedish Museum of Natural History*
<https://doi.org/10.15468/896xyy>

CO1 Amplicon Sequence Variants of soil and leaf litter arthropod communities collected at Malaise traps from the Insect Biome Atlas project in Sweden. *Published by Swedish Museum of Natural History*
<https://doi.org/10.15468/783jyb>

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

Newest publishers from Sweden

Lund University Biological Museum

Swedish National Forest Inventory, Department of Forest Resource Management, SLU

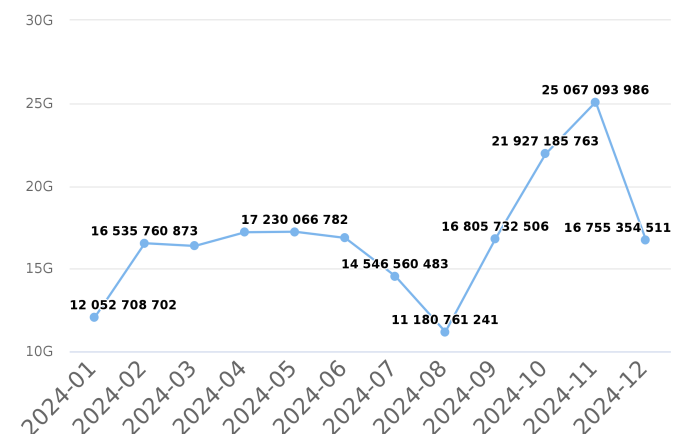
Museum of Evolution, Uppsala University

Skogs- och samemuseet i Lycksele AB

Gothenburg Botanical Garden

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

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

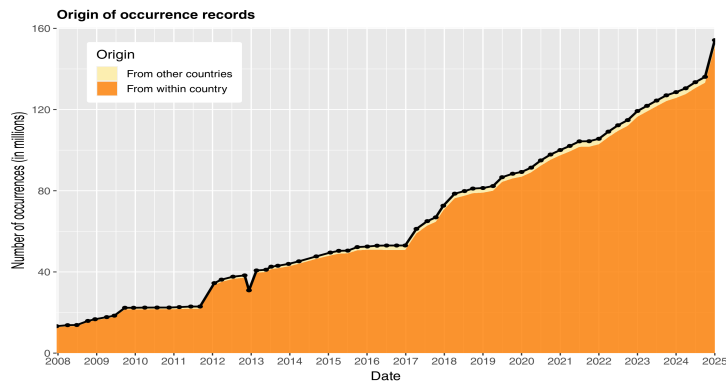


Number of occurrence records downloaded via GBIF.org published by institutions in Sweden

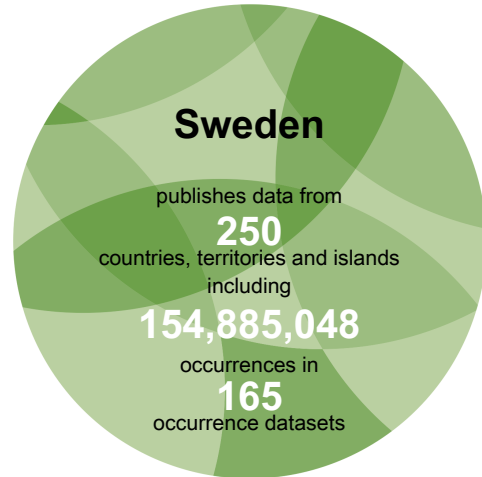


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Sweden

Rank	Country or area	No. of occurrences
1	Sweden	151,040,913
2	United Kingdom	427,355
3	United States of America	336,524
4	Netherlands	316,759
5	Estonia	191,743
6	Finland	190,882
7	Norway	146,717
8	France	87,202
9	Germany	79,633
10	New Zealand	74,620

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

Top datasets contributing data about Sweden

Artportalen. 109,486,947 occurrences in Sweden. (Last updated 4 Jan 2025)

Bird Ringing Centre in Sweden (NRM). 9,341,779 occurrences in Sweden. (Last updated 18 Dec 2024)

Swedish National Forest Inventory: Presence-absence vegetation data (1995-current). 8,527,596 occurrences in Sweden. (Last updated 25 Oct 2024)

Swedish National Forest Inventory: Presence-absence vegetation data (1995-2017, discontinued sample). 6,316,684 occurrences in Sweden. (Last updated 25 Oct 2024)

EOD – eBird Observation Dataset. 2,881,053 occurrences in Sweden. (Last updated 27 Sep 2024)

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



Sweden participates in the following projects coordinated by GBIF

Building capacity within biodiversity data between Ethiopia and GBIF nodes in Sweden and Finland

Capacity Enhancement Support Programme, 2024–2026

<https://www.gbif.org/project/CESP2024-013>

International Living Atlases workshop

Capacity Enhancement Support Programme, 2017–2018

This project will support and strengthen the growing international community of practice around open-source software developed by the Atlas of Living Australia.

<https://www.gbif.org/project/83337>

European training hackathon on species checklists using GBIF data

Capacity Enhancement Support Programme, 2014–2015

This regional collaboration supports a hackathon for European nodes, aiming to enhance their capacity to produce national checklists.

<https://www.gbif.org/project/82221>

See all GBIF projects

[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)