

generated January 2024

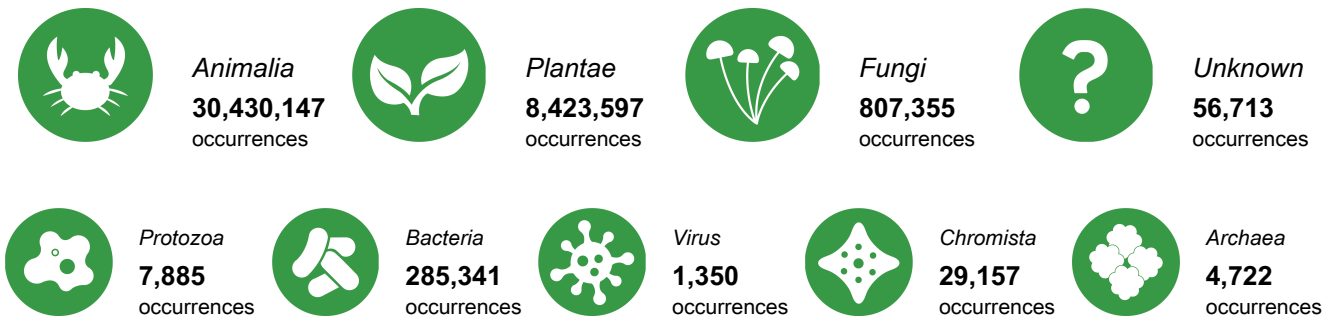
Finland

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 Finland. 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.

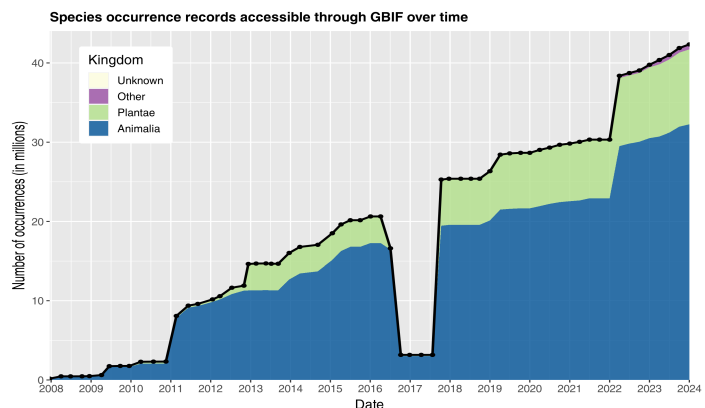
► Access and usage



► Data availability in Finland



► Data mobilization

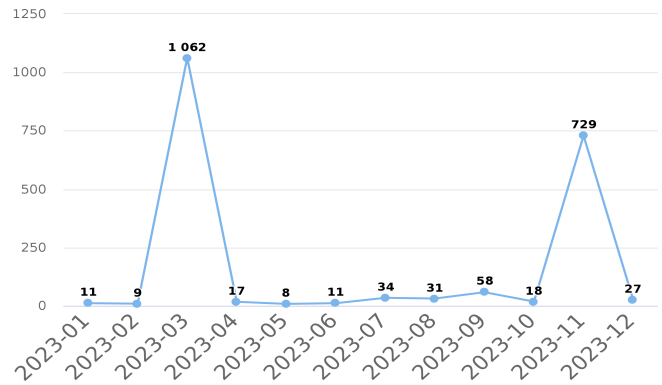


Number of records published by institutions in Finland, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Finland



Monthly downloads requested by users in Finland

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

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 Finland.

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

Silva, Solís Neffa, Zuquim *et al.* (2023) Biogeography and environmental preferences of *Butia yatay* (Mart.) Becc. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.10749>

Mammola, Adamo, Antić *et al.* (2023) Drivers of species knowledge across the tree of life. *eLife*.
<https://doi.org/10.7554/elife.88251>

Noll, Wall, Makepeace *et al.* (2023) Predicting the distribution of *Ixodes ricinus* and *Dermacentor reticulatus* in Europe: a comparison of climate niche modelling approaches. *Parasites & Vectors*.
<https://doi.org/10.1186/s13071-023-05959-y>

Westerduin, Suokas, Petäjä *et al.* (2023) Exploring and validating observations of non-local species in eDNA samples. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.10612>

Wang, Ding, Heino *et al.* (2023) Analysing spatio-temporal patterns of non-native fish in a biodiversity hotspot across decades. *Diversity and Distributions*.
<https://doi.org/10.1111/ddi.13776>

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



Data availability

Total data available for selected taxonomic groups in Finland



Mammals
246,598
occurrences



Birds
20,962,526
occurrences



Bony fish
10,314
occurrences



Amphibians
19,582
occurrences



Insects
8,886,140
occurrences



Reptiles
43,219
occurrences



Molluscs
69,137
occurrences



Arachnids
136,229
occurrences



Flowering plants
7,387,208
occurrences



Ferns
364,101
occurrences



Gymnosperms
265,571
occurrences



Mosses
251,247
occurrences



Sac fungi
270,329
occurrences



Basidiomycota
496,123
occurrences

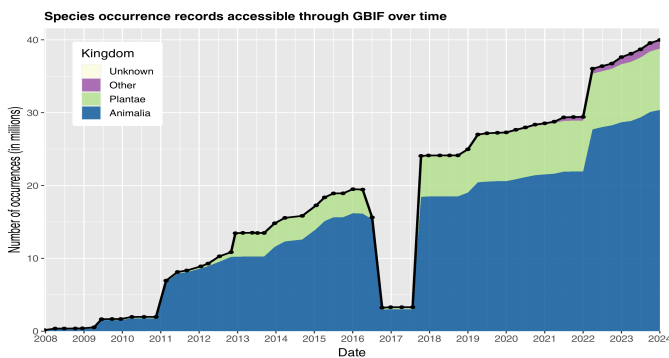
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

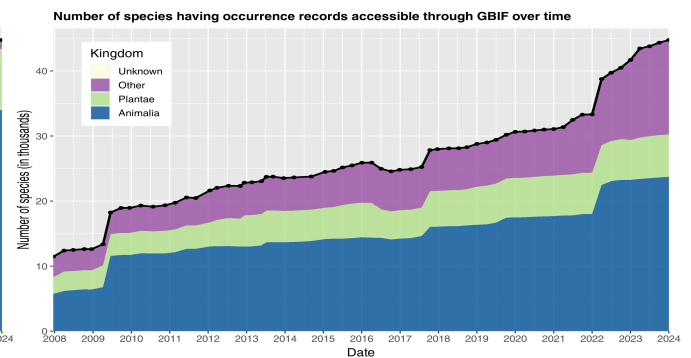
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Finland



Occurrence records available about species occurring in Finland



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

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 Finland

The Vaasa Society for the Environment Species Observations. *Published by Finnish Biodiversity Information Facility*
<https://doi.org/10.15468/53zkp2>

Bumblebee (*Bombus* spp.) diversity in urban Finnish landscapes. *Published by Finnish Biodiversity Information Facility*
<https://doi.org/10.15468/344vbb>

Practical fungi - complete lists. *Published by Finnish Biodiversity Information Facility*
<https://doi.org/10.15468/zek4fm>

Finnish butterflies - complete lists. *Published by Finnish Biodiversity Information Facility*
<https://doi.org/10.15468/n9dt5w>

Dragonfly - complete lists. *Published by Finnish Biodiversity Information Facility*
<https://doi.org/10.15468/pxtfp5>

Charismatic flowering plants - complete lists. *Published by Finnish Biodiversity Information Facility*
<https://doi.org/10.15468/36r8zr>

Bumblebees - complete lists. *Published by Finnish Biodiversity Information Facility*
<https://doi.org/10.15468/xjv9wm>

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

Newest publishers from Finland

Finnish Biodiversity Information Facility

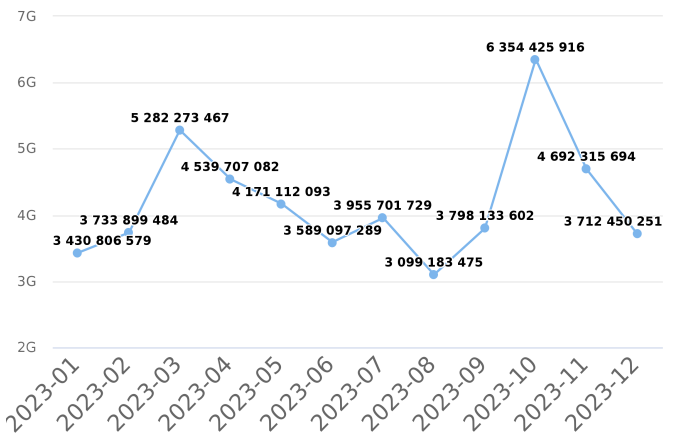
European Forest Institute

Kokkola Nature Collection Kieppi

University of Oulu

Kuopio Natural History Museum

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



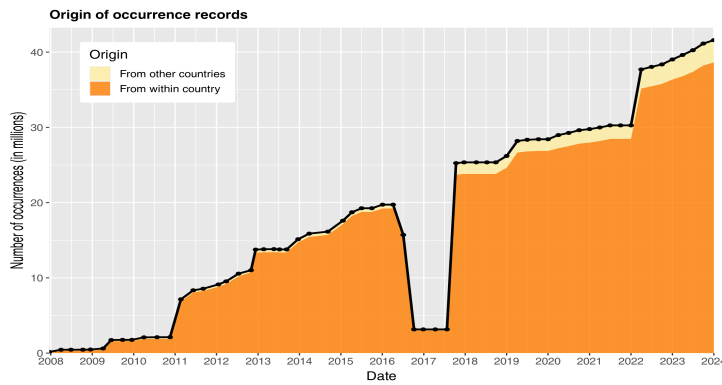
See all publishers from this country or area
gbif.org/publisher/search?country=FI

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



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Finland

Rank	Country or area	No. of occurrences
1	Finland	38,687,710
2	United Kingdom	536,346
3	Estonia	160,957
4	United States of America	159,931
5	Sweden	123,643
6	Netherlands	120,727
7	France	77,999
8	International organization or unknown country	65,149
9	Norway	26,481
10	Canada	12,642

Top datasets contributing data about Finland

- Ringling and recovery database of birds (TIPU). *12,113,611 occurrences in Finland.* (Last updated 20 Nov 2023)
- Kastikka Floristic Archives (Kastikka Ark). *5,396,350 occurrences in Finland.* (Last updated 1 Jan 2024)
- Finnish Insect Database. *3,662,779 occurrences in Finland.* (Last updated 2 Jan 2024)
- Lajitietokeskus/FinBIF - Notebook, general observations. *2,285,566 occurrences in Finland.* (Last updated 26 Dec 2023)
- Hatikka.fi observations. *1,802,796 occurrences in Finland.* (Last updated 31 Dec 2023)

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

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



Finland participates in the following projects coordinated by GBIF

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)