Activity report
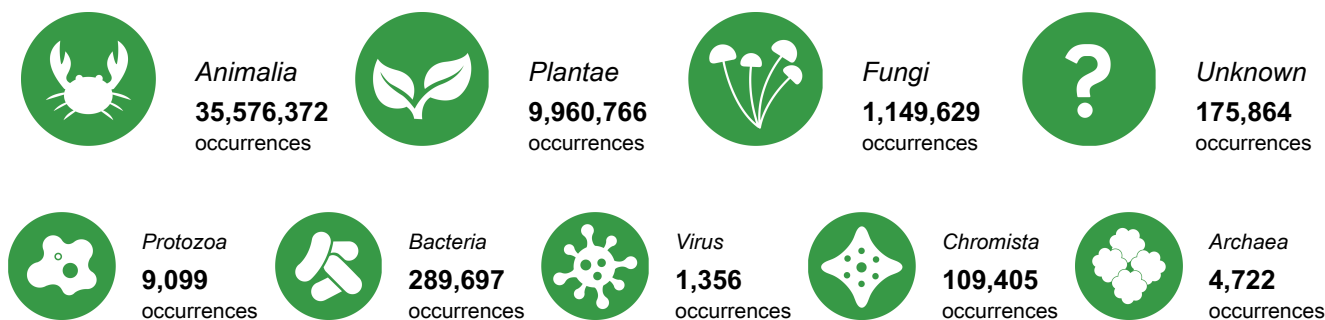
Finland

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.
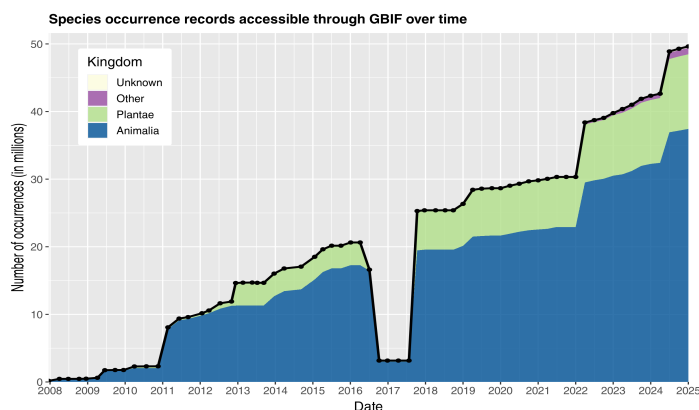
▸ Access and usage

Researchers from

Finland

contributed to

39

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

166

articles since 2008

▸ Data availability in Finland

Animalia
35,576,372
occurrences

Plantae
9,960,766
occurrences

Fungi
1,149,629
occurrences

Unknown
175,864
occurrences

Protozoa
9,099
occurrences

Bacteria
289,697
occurrences

Virus
1,356
occurrences

Chromista
109,405
occurrences

Archaea
4,722
occurrences

▸ Data mobilization

Institutions from

Finland

published

7,294,287

new occurrence records during 2024 out of a total of

428,451,251
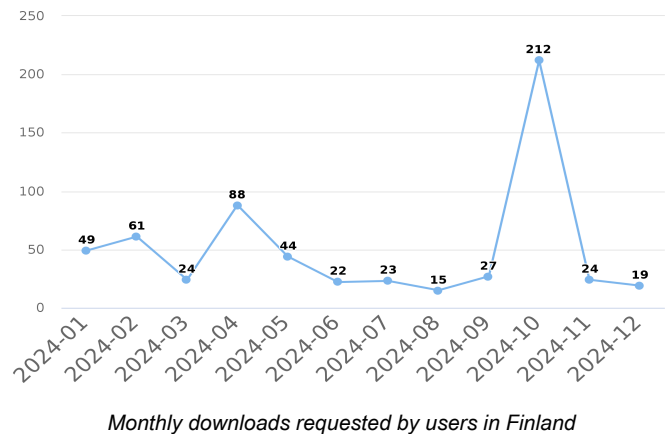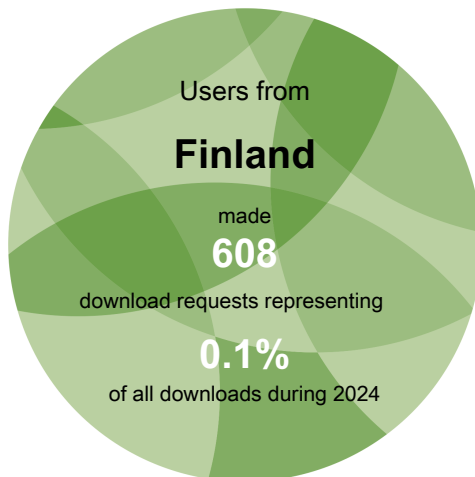
occurrence records added globally to GBIF.org

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

Access and usage

Data downloads on GBIF.org from users in Finland

Users from

Finland

made
608
download requests representing

0.1%
of all downloads during 2024

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.

Deshpande, Haukka, Rönkä *et al.* (2024) How, why, where and when people feed birds?—Spatio-temporal changes in bird-feeding in Finland. *People and Nature.*
https://doi.org/10.1002/pan3.10745

Giolai, Laine. (2024) A trade-off between investment in molecular defense repertoires and growth in plants. *Science.*
https://doi.org/10.1126/science.adn2779

Smith-Pardo, Altamiranda-Saavedra, Polly. (2024) The Oriental hornet, Vespa orientalis Linnaeus, 1771 (Hymenoptera, Vespidae): diagnosis, potential distribution, and geometric morphometrics across its natural distribution range. *Frontiers in Insect Science.*
https://doi.org/10.3389/finsc.2024.1384598

Montanaro, Tarasov. (2024) Beyond natural language: an ontology-based description of a new Scarabaeus dung beetle from Madagascar (Coleoptera, Scarabaeinae). *Biodiversity Data Journal.*
https://doi.org/10.3897/bdj.12.e134364

Khadka, Baral, Pieroni *et al.* (2024) Ecology, ethnobotany, distribution, conservation and potential use of Prunus napaulensis (Ser.) Steud. in Nepal. *Genetic Resources and Crop Evolution.*
https://doi.org/10.1007/s10722-024-02187-w

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
449,269
occurrences

Birds
21,998,934
occurrences

Bony fish
93,931
occurrences

Amphibians
26,012
occurrences

Insects
12,063,880
occurrences

Reptiles
46,505
occurrences

Molluscs
270,678
occurrences

Arachnids
187,822
occurrences

Flowering plants
8,512,071
occurrences

Ferns
420,690
occurrences

Gymnosperms
297,611
occurrences

Mosses
395,085
occurrences

Sac fungi
389,860
occurrences
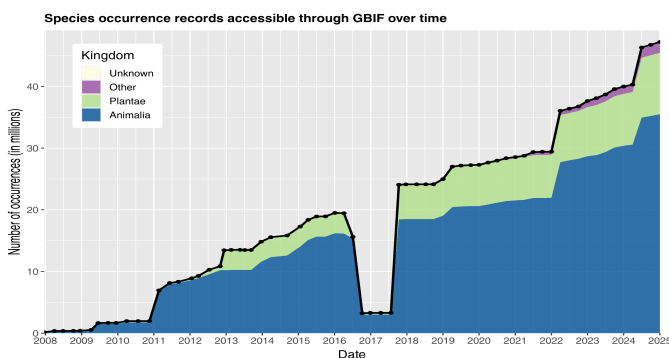
Basidiomycota
717,238
occurrences

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

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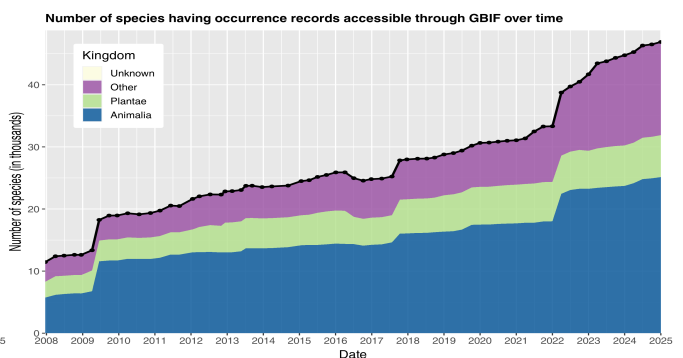Molluscs = Phylum *Mollusca*

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

Species occurrence records accessible through GBIF over time

Occurrence records available about species occurring in Finland

Number of species having occurrence records accessible through GBIF over time

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

City of Vaasa flying squirrel observations 2010-2024. *Published by Finnish Biodiversity Information Facility*
https://doi.org/10.15468/rzxe5u

Species observation data of VARELY nature conservation unit. *Published by Finnish Biodiversity Information Facility*
https://doi.org/10.15468/w4ua87

Nature observations Tuomas Ketonen/Envineer Oy. *Published by Finnish Biodiversity Information Facility*
https://doi.org/10.15468/9v7xsa

LajiGIS: Species mapping and surveys. *Published by Finnish Biodiversity Information Facility*
https://doi.org/10.15468/8ksd56

Porvoo Museum / Fungal Collections. *Published by Finnish Biodiversity Information Facility*
https://doi.org/10.15468/b5tvh4

Insect Collections of the Iisalmi Natural History Museum. *Published by Finnish Biodiversity Information Facility*
https://doi.org/10.15468/bxqjy2

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

Newest publishers from Finland

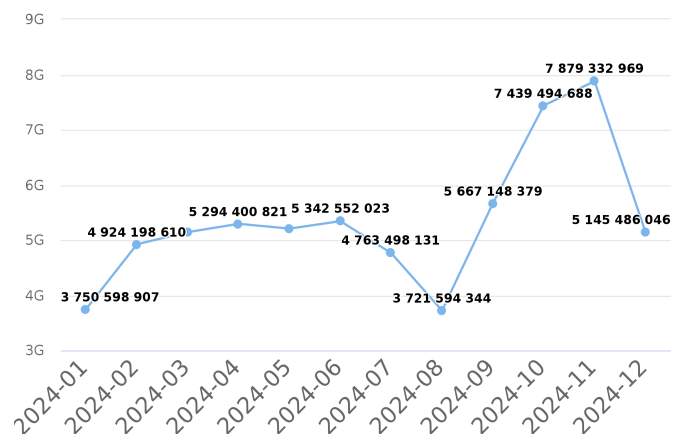Finnish Biodiversity Information Facility

European Forest Institute

Digitarium

University of Eastern Finland

Department of Forest Sciences

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

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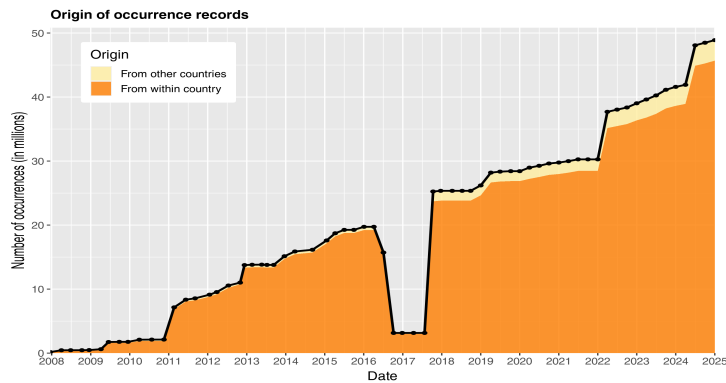

Number of occurrence records downloaded via GBIF.org published by institutions in Finland

Data mobilization

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

Origin of occurrence records

Data sharing with country or area of origin

Finland

publishes data from
237
countries, territories and islands
including
49,654,153
occurrences in
261
occurrence datasets

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	45,758,277
2	United Kingdom	540,379
3	United States of America	254,084
4	Estonia	162,068
5	Sweden	133,796
6	Netherlands	130,077
7	International organization or unknown country	86,524
8	France	78,077
9	Norway	27,471
10	Belgium	15,528

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

Top datasets contributing data about Finland

Ringing and recovery database of birds (TIPU). *12,249,791 occurrences in Finland.* (Last updated 23 Jun 2024)

Kastikka Floristic Archives (Kastikka Ark). *5,659,140 occurrences in Finland.* (Last updated 30 Dec 2024)

Finnish Insect Database. *3,662,254 occurrences in Finland.* (Last updated 4 Jan 2025)

Lajitietokeskus/FinBIF - Notebook, general observations. *2,762,816 occurrences in Finland.* (Last updated 4 Jan 2025)

EOD – eBird Observation Dataset. *1,851,100 occurrences in Finland.* (Last updated 27 Sep 2024)

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

Finland 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

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