GBIF Global Biodiversity Information Facility

Activity report

generated January 2024

Poland

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 Poland. 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

Poland

contributed to

35

peer-reviewed articles citing GBIF use during 2023 and a total of

167

articles since 2008

▸ Data availability in Poland

Animalia
6,016,153
occurrences

Plantae
1,273,113
occurrences

Fungi
198,533
occurrences

Unknown
306,067
occurrences

Protozoa
1,399
occurrences

Bacteria
20,191
occurrences

Virus
5,984
occurrences

Chromista
7,643
occurrences

Archaea
105
occurrences

▸ Data mobilization

Institutions from

Poland

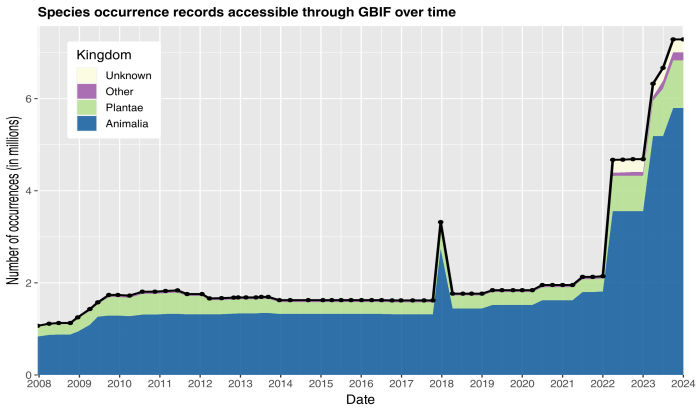
published

2,600,757

new occurrence records during 2023 out of a total of

355,993,458

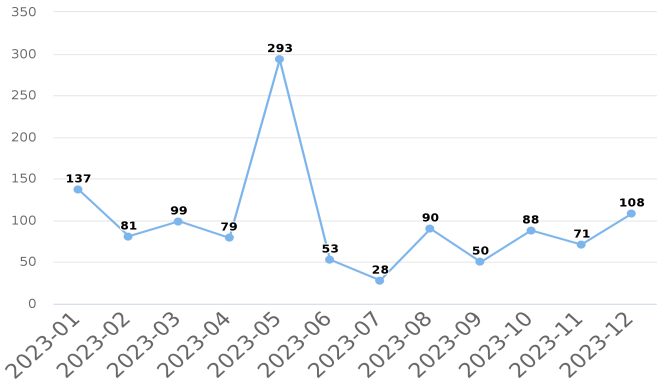
occurrence records added globally to GBIF.org



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

Access and usage

Data downloads on GBIF.org from users in Poland



Monthly downloads requested by users in Poland

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

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 Poland.

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

Szczęśniak, Gola, Szypuła. (2023) The genus Selaginella P. BEAUV. (Selaginellaceae, Lycopodiopsida) in Poland: The occurrence of three species as a result of the historical material verification. *Acta Societatis Botanicorum Poloniae.* https://doi.org/10.5586/asbp/171688

Korbik, Kosiński. (2023) Revisiting the taxonomy of Populus lasiocarpa × P. wilsonii hybrids. *Dendrobiology.* https://doi.org/10.12657/denbio.090.007

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

Mitka, Wróblewska, Boroń *et al.* (2023) Perhaps there were northern refugia in LGM? The phylogeographic structure of the thermophilic tree Carpinus betulus in the Carpathian region. *Science of The Total Environment.* https://doi.org/10.1016/j.scitotenv.2023.167214

Meng, Davison, Clarke *et al.* (2023) Environmental modulation of plant mycorrhizal traits in the global flora. *Ecology Letters.* https://doi.org/10.1111/ele.14309

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

Data availability

Total data available for selected taxonomic groups in Poland

Mammals
182,049
occurrences

Birds
3,931,534
occurrences

Bony fish
41,093
occurrences

Amphibians
13,988
occurrences

Insects
1,019,358
occurrences

Reptiles
5,757
occurrences

Molluscs
144,009
occurrences

Arachnids
621,099
occurrences

Flowering plants
1,147,773
occurrences

Ferns
26,541
occurrences

Gymnosperms
21,720
occurrences

Mosses
51,516
occurrences

Sac fungi
132,153
occurrences

Basidiomycota
64,631
occurrences

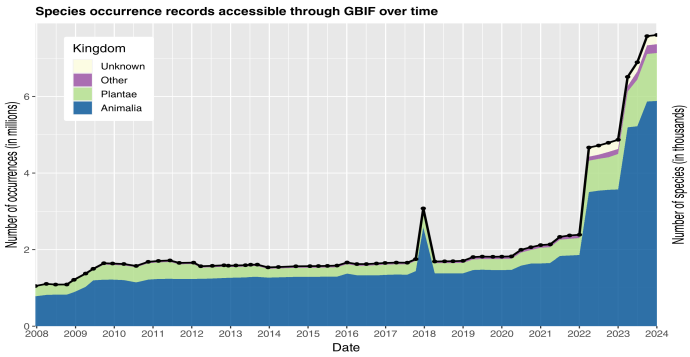
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass *Osteichthyes* p.p.
Amphibians = Class *Amphibia*

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

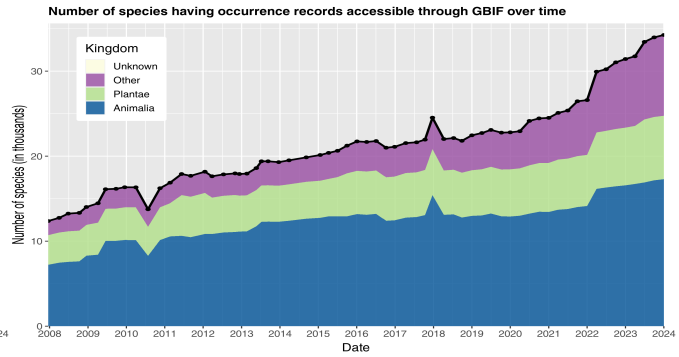
Arachnids = Class *Arachnida*
Flowering plants = Phylum *Magnoliophyta*
Gymnosperms = Superclass *Gymnospermae*

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

Change over time in records about biodiversity in Poland



Occurrence records available about species occurring in Poland



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

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 Poland

Digital Catalogue of Biodiversity of Poland — Animalia: Arthropoda: Hexapoda: Insecta: Hymenoptera: Apocrita: Chrysidoidea. *Published by Polish Biodiversity Information Network*
https://doi.org/10.15468/hkwph9

Digital Catalogue of Biodiversity of Poland — Animalia: Arthropoda: Hexapoda: Insecta: Hymenoptera: Apocrita: Vespoidea. *Published by Polish Biodiversity Information Network*
https://doi.org/10.15468/p9a4pg

Digital Catalogue of Biodiversity of Poland — Animalia: Arthropoda: Hexapoda: Insecta: Hymenoptera: Apocrita: Apoidea: Apiformes. *Published by Polish Biodiversity Information Network*
https://doi.org/10.15468/ht7mu7

Digital Catalogue of Biodiversity of Poland — Animalia: Arthropoda: Hexapoda: Insecta: Hymenoptera: Apocrita: Apoidea: Spheciformes. *Published by Polish Biodiversity Information Network*
https://doi.org/10.15468/jqnvaw

Fungi and fungi-like organisms - 4EU+ Summer School From Fungal Morphology to Genotype, Sumava 2022. *Published by Institute of Evolutionary Biology, University of Warsaw*
https://doi.org/10.15468/rmzdzk

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

Newest publishers from Poland

University of Szczecin, Institute of Biology

Akademia Pomorska w Słupsku

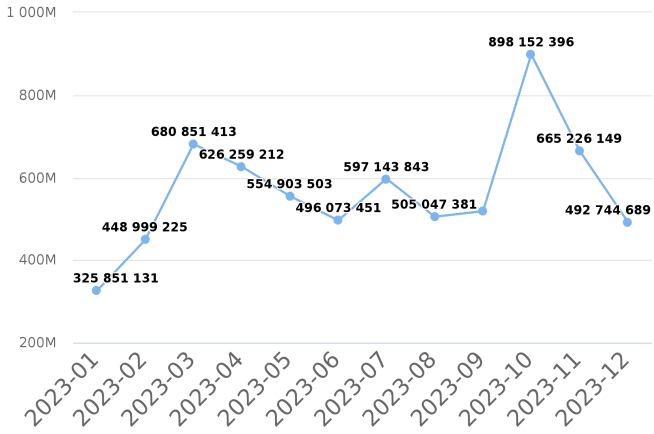
Polish Biodiversity Information Network

Państwowe Gospodarstwo Leśne Lasy Państwowe Nadleśnictwo Siewierz

Adam Mickiewicz University in Poznań

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

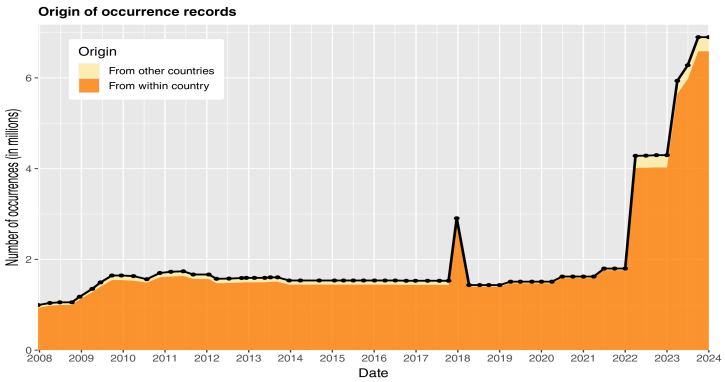
Occurrence records downloaded from GBIF.org, published by institutions in Poland



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

Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Poland

Rank	Country or area	No. of occurrences
1	Poland	6,805,353
2	United States of America	335,034
3	France	178,406
4	Netherlands	167,838
5	Germany	102,443
6	United Kingdom	57,622
7	Estonia	47,841
8	International organization or unknown country	31,355
9	Colombia	19,877
10	Belgium	16,239

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

Top datasets contributing data about Poland

Natural History Collections of the Faculty of Biology AMU. *1,957,389 occurrences in Poland.* (Last updated 16 Sep 2022)

Historical ringing data of birds with Polish rings. *1,611,908 occurrences in Poland.* (Last updated 10 Feb 2023)

EOD – eBird Observation Dataset. *1,330,734 occurrences in Poland.* (Last updated 20 Aug 2023)

Ringing Data from the Bird Migration Research Station, University of Gdańsk. *668,252 occurrences in Poland.* (Last updated 14 Dec 2022)

iNaturalist Research-grade Observations. *290,044 occurrences in Poland.* (Last updated 2 Jan 2024)

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

Poland participates in the following projects coordinated by GBIF

Capacity building through regional cooperation for data mobilization in Belarus, Latvia and Lithuania

Capacity Enhancement Support Programme, 2020–2022

By focusing on specimen collections and bibliography, this project aims to reach deep into regional biodiversity studies, including Polish and Russian legacy data

https://www.gbif.org/project/9BKeb7ka92YPFUjhwv4UL

See all GBIF projects
gbif.org/resource/search?contentType=project