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

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animalia</td>
<td>6,016,153</td>
</tr>
<tr>
<td>Plantae</td>
<td>1,273,113</td>
</tr>
<tr>
<td>Fungi</td>
<td>198,533</td>
</tr>
<tr>
<td>Unknown</td>
<td>306,067</td>
</tr>
<tr>
<td>Protozoa</td>
<td>1,399</td>
</tr>
<tr>
<td>Bacteria</td>
<td>20,191</td>
</tr>
<tr>
<td>Virus</td>
<td>5,984</td>
</tr>
<tr>
<td>Chromista</td>
<td>7,643</td>
</tr>
<tr>
<td>Archaea</td>
<td>105</td>
</tr>
</tbody>
</table>

▶ 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.
Access and usage

Data downloads on GBIF.org from users in Poland

Users from Poland made 1,177 download requests representing 0.2% of all downloads during 2023.

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.

https://doi.org/10.5586/asbp/171688

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

**Change over time in records about biodiversity in Poland**

- **Species occurrence records accessible through GBIF over time**
- **Number of species having occurrence records accessible through GBIF over time**

**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

https://doi.org/10.15468/hkwph9

https://doi.org/10.15468/p9a4pg

https://doi.org/10.15468/ht7mu7

https://doi.org/10.15468/jqnvwav

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 Śluśsku
Polish Biodiversity Information Network
Państwowe Gospodarstwo Leśne Lasy Państwowe Nadleśnictwo Siewierz
Adam Mickiewicz University in Poznań

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

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

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

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

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

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/9BKeb7Ta92YPFUJhwv4UL](https://www.gbif.org/project/9BKeb7Ta92YPFUJhwv4UL)

See all GBIF projects
[gbif.org/resource/search?contentTypeId=project](gbif.org/resource/search?contentTypeId=project)