Serbia

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 Serbia. 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 Serbia contributed to 6 peer-reviewed articles citing GBIF use during 2023 and a total of 29 articles since 2008.

Data availability in Serbia

- Animalia: 664,989 occurrences
- Plantae: 33,053 occurrences
- Fungi: 8,665 occurrences
- Unknown: 1,143 occurrences
- Protozoa: 74 occurrences
- Bacteria: 685 occurrences
- Virus: 1,279 occurrences
- Chromista: 116 occurrences
- Archaea: 0 occurrences

Data mobilization

Institutions from Serbia published 91,707 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 Serbia

Users from Serbia made 1,039 download requests representing 0.2% of all downloads during 2023.

Monthly downloads requested by users in Serbia

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

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 Serbia.

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


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

McClay, Bourchier, Landry et al. (2023) Citizen science reveals the establishment of Chamaesphecia empiformis (Esper) (Lepidoptera: Sesiidae), a long-lost biological control agent for Euphorbia cyparissias (Euphorbiaceae), in Ontario, Canada. The Canadian Entomologist. https://doi.org/10.4039/tce.2023.17


Wright, Croose, Hunter et al. (2023) Can social media be used to inform the distribution of the marbled polecat, Vormela peregusna?. Mammal Research. https://doi.org/10.1007/s13364-023-00680-8
Data availability

Total data available for selected taxonomic groups in Serbia

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>1,949</td>
</tr>
<tr>
<td>Birds</td>
<td>616,470</td>
</tr>
<tr>
<td>Bony fish</td>
<td>5,271</td>
</tr>
<tr>
<td>Amphibians</td>
<td>496</td>
</tr>
<tr>
<td>Insects</td>
<td>32,327</td>
</tr>
<tr>
<td>Reptiles</td>
<td>815</td>
</tr>
<tr>
<td>Molluscs</td>
<td>3,225</td>
</tr>
<tr>
<td>Arachnids</td>
<td>1,227</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>31,541</td>
</tr>
<tr>
<td>Ferns</td>
<td>379</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>845</td>
</tr>
<tr>
<td>Mosses</td>
<td>153</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>1,680</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>6,976</td>
</tr>
</tbody>
</table>

Mammals = Class Mammalia
Birds = Class Aves
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 Serbia

Occurrence records available about species occurring in Serbia

Species occurrence records accessible through GBIF over time

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

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 Serbia

Prime Hoverfly (Insecta: Diptera: Syrphidae) Areas (PHA) as a conservation tool in Serbia. Published by Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Serbia
https://doi.org/10.15468/qequn8

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

Newest publishers from Serbia

Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Serbia

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

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

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

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

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

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Serbia</td>
<td>586,239</td>
</tr>
<tr>
<td>2</td>
<td>United States of America</td>
<td>37,531</td>
</tr>
<tr>
<td>3</td>
<td>Netherlands</td>
<td>21,455</td>
</tr>
<tr>
<td>4</td>
<td>France</td>
<td>16,591</td>
</tr>
<tr>
<td>5</td>
<td>Estonia</td>
<td>12,652</td>
</tr>
<tr>
<td>6</td>
<td>United Kingdom</td>
<td>8,387</td>
</tr>
<tr>
<td>7</td>
<td>Germany</td>
<td>8,010</td>
</tr>
<tr>
<td>8</td>
<td>Poland</td>
<td>3,580</td>
</tr>
<tr>
<td>9</td>
<td>International organization or unknown country</td>
<td>3,230</td>
</tr>
<tr>
<td>10</td>
<td>Slovenia</td>
<td>1,820</td>
</tr>
</tbody>
</table>

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

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