Türkiye
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 Türkiye. 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 Türkiye contributed to 25 peer-reviewed articles citing GBIF use during 2023 and a total of 92 articles since 2008.

▶ Data availability in Türkiye

- Animalia: 2,617,902 occurrences
- Plantae: 423,820 occurrences
- Fungi: 63,441 occurrences
- Protozoa: 697 occurrences
- Bacteria: 16,218 occurrences
- Virus: 6,905 occurrences
- Chromista: 12,029 occurrences
- Archaea: 271 occurrences
- Unknown: 10,201 occurrences

▶ Data mobilization

Institutions from Türkiye published 399,697 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 Türkiye

Users from Türkiye made 958 download requests representing 0.2% of all downloads during 2023.

Monthly downloads requested by users in Türkiye

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

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 Türkiye.

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

Kenar, Kikvidze. (2023) Modelling the distribution of the Caucasian oak (Quercus macranthera) in Western Asia under future climate change scenarios. Botanica Serbica. https://doi.org/10.2298/botserb2302215k

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


See all research from this country or area gbif.org/country/TR/publications/from
Data availability

Total data available for selected taxonomic groups in Türkiye

- **Mammals**: 9,788 occurrences
- **Birds**: 2,339,065 occurrences
- **Bony fish**: 26,716 occurrences
- **Amphibians**: 4,324 occurrences
- **Insects**: 177,715 occurrences
- **Reptiles**: 13,147 occurrences
- **Molluscs**: 20,119 occurrences
- **Arachnids**: 7,467 occurrences
- **Flowering plants**: 405,843 occurrences
- **Ferns**: 2,325 occurrences
- **Gymnosperms**: 3,390 occurrences
- **Mosses**: 9,244 occurrences
- **Sac fungi**: 26,912 occurrences
- **Basidiomycota**: 29,377 occurrences

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

**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 Türkiye

Alien Flora of Turkey. Published by Duzce University
https://doi.org/10.15468/7j1dof

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

Newest publishers from Türkiye

Duzce University

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

[See all publishers from this country or area: gbif.org/publisher/search?country=TR]
Data mobilization

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

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

Top data contributors about biodiversity in Türkiye

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Türkiye</td>
<td>2,228,313</td>
</tr>
<tr>
<td>2</td>
<td>Netherlands</td>
<td>157,686</td>
</tr>
<tr>
<td>3</td>
<td>United States of America</td>
<td>132,728</td>
</tr>
<tr>
<td>4</td>
<td>United Kingdom</td>
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<td>Estonia</td>
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<td>6</td>
<td>Colombia</td>
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<td>7</td>
<td>Germany</td>
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<tr>
<td>8</td>
<td>International organization or unknown country</td>
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<tr>
<td>9</td>
<td>France</td>
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<tr>
<td>10</td>
<td>Sweden</td>
<td>22,603</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Türkiye

- EOD – eBird Observation Dataset. 2,228,313 occurrences in Türkiye. (Last updated 20 Aug 2023)
- A global database for the distributions of crop wild relatives. 82,138 occurrences in Türkiye. (Last updated 6 Jun 2019)
- iNaturalist Research-grade Observations. 76,593 occurrences in Türkiye. (Last updated 2 Jan 2024)
- Edinburgh (E) Herbarium Specimens. 63,038 occurrences in Türkiye. (Last updated 29 Dec 2023)
- Global soil organisms. 60,835 occurrences in Türkiye. (Last updated 27 Feb 2023)

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