Israel
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 Israel. 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 Israel contributed to 16 peer-reviewed articles citing GBIF use during 2023 and a total of 66 articles since 2008.

Data availability in Israel
- Animalia: 4,419,176 occurrences
- Plantae: 607,634 occurrences
- Fungi: 12,812 occurrences
- Unknown: 18,764 occurrences
- Protozoa: 949 occurrences
- Bacteria: 17,718 occurrences
- Virus: 3,251 occurrences
- Chromista: 11,875 occurrences
- Archaea: 713 occurrences

Data mobilization
Institutions from Israel published 891,652 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 Israel, categorized by kingdom
Data downloads on GBIF.org from users in Israel

Users from Israel made 213 download requests representing 0.0% of all downloads during 2023.

Monthly downloads requested by users in Israel

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

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 Israel.

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/10.1080/09670262.2023.2256828

https://doi.org/10.1038/s41586-023-06644-x

Tourinho, Sinervo, de Oliveira Caetano et al. (2023) Impacts of climate change on slow metabolism mammals: An ecophysiological perspective. Ecological Informatics.  
https://doi.org/10.1016/j.ecoinf.2023.102367

https://doi.org/10.3390/d15111114

Chaitanya, McGuire, Karanth et al. (2023) Their fates intertwined: diversification patterns of the Asian gliding vertebrates may have been forged by dipterocarp trees. Proceedings of the Royal Society B: Biological Sciences.  
https://doi.org/10.1098/rspb.2023.1379

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

Total data available for selected taxonomic groups in Israel

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>80,168</td>
</tr>
<tr>
<td>Birds</td>
<td>4,216,179</td>
</tr>
<tr>
<td>Bony fish</td>
<td>13,298</td>
</tr>
<tr>
<td>Amphibians</td>
<td>3,179</td>
</tr>
<tr>
<td>Insects</td>
<td>58,226</td>
</tr>
<tr>
<td>Reptiles</td>
<td>16,445</td>
</tr>
<tr>
<td>Molluscs</td>
<td>16,124</td>
</tr>
<tr>
<td>Arachnids</td>
<td>4,124</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>597,037</td>
</tr>
<tr>
<td>Ferns</td>
<td>2,901</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>3,070</td>
</tr>
<tr>
<td>Mosses</td>
<td>2,445</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>7,096</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>4,568</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
Mosses = Phylum Pteridophyta
Sac fungi = Phylum Ascomycota
Basidiomycota = Phylum Basidiomycota

Change over time in records about biodiversity in Israel

<table>
<thead>
<tr>
<th>Year</th>
<th>Occurrence records accessible through GBIF</th>
<th>Number of species having occurrence records accessible through GBIF</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>0.1 million</td>
<td>0.3 million</td>
</tr>
<tr>
<td>2009</td>
<td>0.5 million</td>
<td>1.0 million</td>
</tr>
<tr>
<td>2010</td>
<td>1.0 million</td>
<td>2.5 million</td>
</tr>
<tr>
<td>2011</td>
<td>1.5 million</td>
<td>4.0 million</td>
</tr>
<tr>
<td>2012</td>
<td>2.0 million</td>
<td>5.5 million</td>
</tr>
<tr>
<td>2013</td>
<td>2.5 million</td>
<td>7.0 million</td>
</tr>
<tr>
<td>2014</td>
<td>3.0 million</td>
<td>8.5 million</td>
</tr>
</tbody>
</table>

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 Israel

Steinhardt Museum of Natural History (SMNHTAU) Vertebrates. Published by The Steinhardt Museum of Natural History
https://doi.org/10.15468/nmhemt

Israeli Butterfly Monitoring Scheme (BMS-IL). Published by ILS - Israeli Lepidopterists’ society
https://doi.org/10.15468/q4lynx

Large mammals in Israel from camera traps. Published by Hamaarag
https://doi.org/10.15468/7cozwv

BioGIS - Hamaarag. Published by Israel Nature and Parks Authority
https://doi.org/10.15468/zxhkec

BioGIS - Bats - SPNI. Published by Israel Nature and Parks Authority
https://doi.org/10.15468/1jzp2d

BioGIS - Israeli Lepidopterists Society. Published by Israel Nature and Parks Authority
https://doi.org/10.15468/eofrlk

BioGIS - Mammals - SPNI. Published by Israel Nature and Parks Authority
https://doi.org/10.15468/foby5h

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

Newest publishers from Israel

The Steinhardt Museum of Natural History

Hamaarag

ILS - Israeli Lepidopterists’ society

Israel Nature and Parks Authority

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

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

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

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

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

Top datasets contributing data about Israel

<table>
<thead>
<tr>
<th>EOD – eBird Observation Dataset. 3,885,298 occurrences in Israel. (Last updated 20 Aug 2023)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Israel Nature and Parks Authority. 433,463 occurrences in Israel. (Last updated 18 Aug 2016)</td>
</tr>
<tr>
<td>iNaturalist Research-grade Observations. 102,794 occurrences in Israel. (Last updated 2 Jan 2024)</td>
</tr>
<tr>
<td>Observation.org, Nature data from around the World. 72,192 occurrences in Israel. (Last updated 12 Dec 2023)</td>
</tr>
</tbody>
</table>

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