

generated January 2025

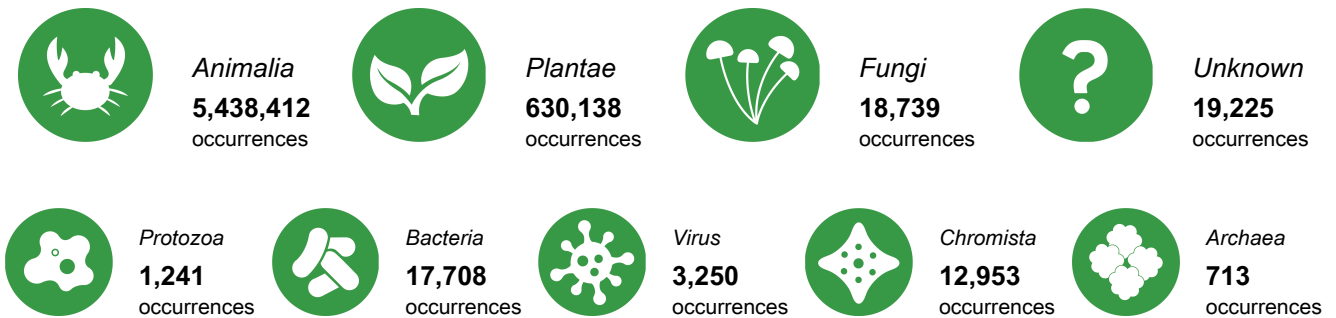
## Israel

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.

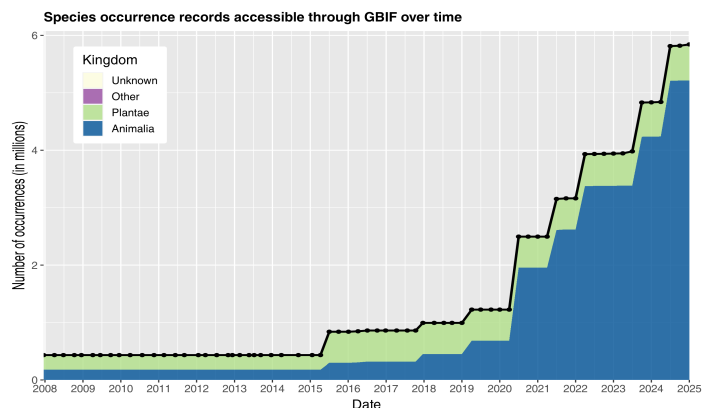
### ► Access and usage



### ► Data availability in Israel



### ► Data mobilization

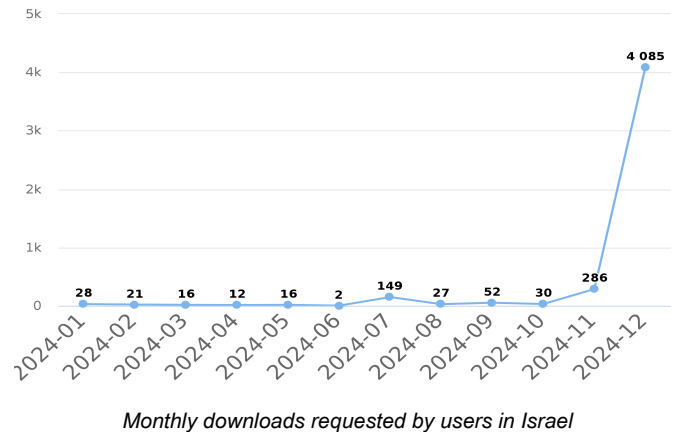
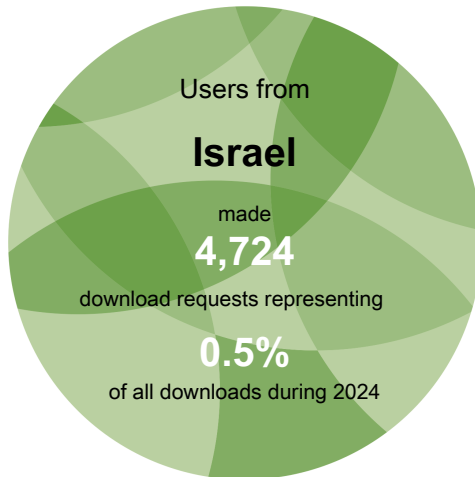


Number of records published by institutions in Israel, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from 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](mailto:comms@gbif.org).

Noè, Bommarito, Díaz-Morales *et al.* (2024) Response of native and invasive grazers to global warming: marine heatwaves vs. gradual trends. *Marine Ecology Progress Series*.  
<https://doi.org/10.3354/meps14716>

Gruntman, Segev. (2024) Effect of residence time on trait evolution in invasive plants: review and meta-analysis. *NeoBiota*.  
<https://doi.org/10.3897/neobiota.91.109251>

Bar, Lati, Schäckermann *et al.* (2024) Biology and chemical weed management of *Cynanchum acutum* L.. *Frontiers in Agronomy*.  
<https://doi.org/10.3389/fagro.2024.1448556>

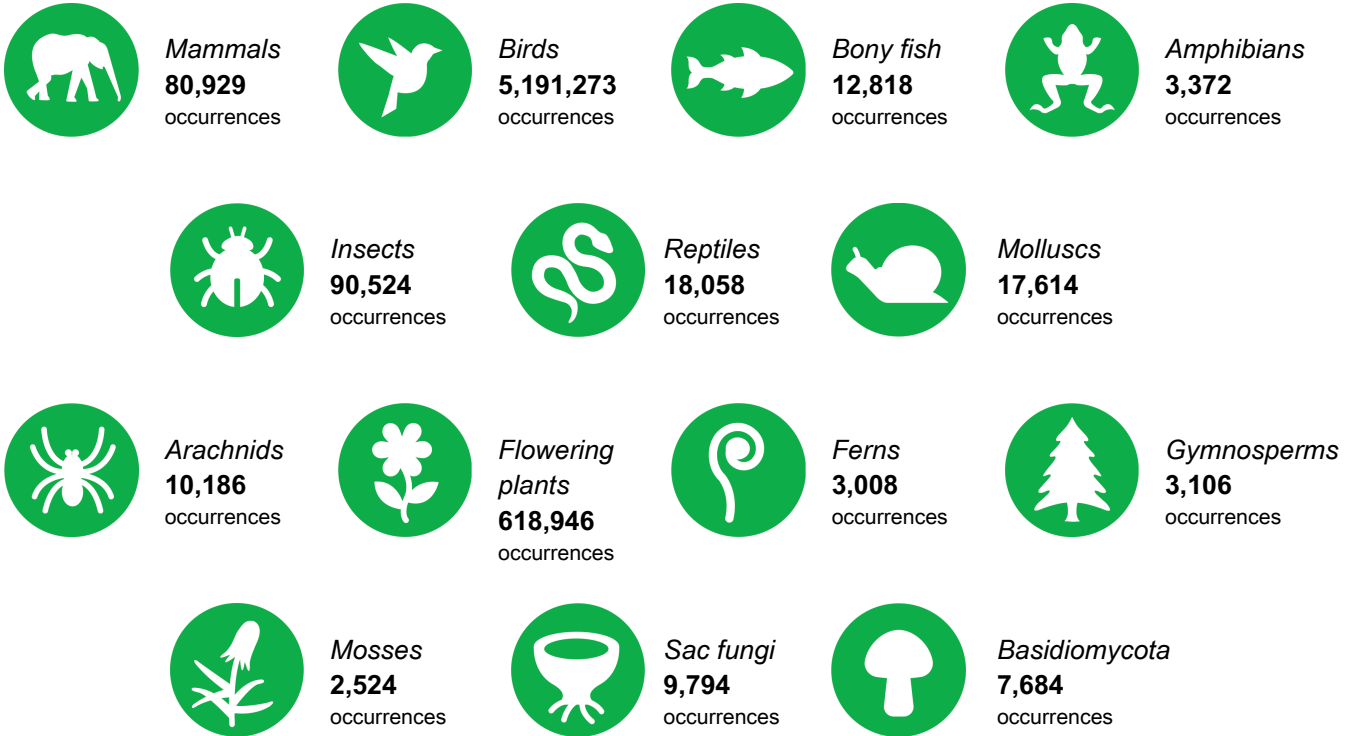
Vásquez-Restrepo, Ribeiro-Júnior, Sánchez-Pacheco. (2024) Once upon a time: exploring the biogeographic history of the largest endemic lizard family in the Neotropics (Squamata: Gymnophthalmidae). *Biological Journal of the Linnean Society*.  
<https://doi.org/10.1093/biolinnean/blae080>

Fazzari, Vardi, Jaric *et al.* (2024) Spatiotemporal patterns of public attention to invasive species across an invasion front: a case study of lionfish (*Pterois miles*) from the Mediterranean Sea. *Biological Invasions*.  
<https://doi.org/10.1007/s10530-024-03420-4>

See all research from this country or area  
[gbif.org/country/IL/publications/from](https://gbif.org/country/IL/publications/from)

## Data availability

### Total data available for selected taxonomic groups in Israel



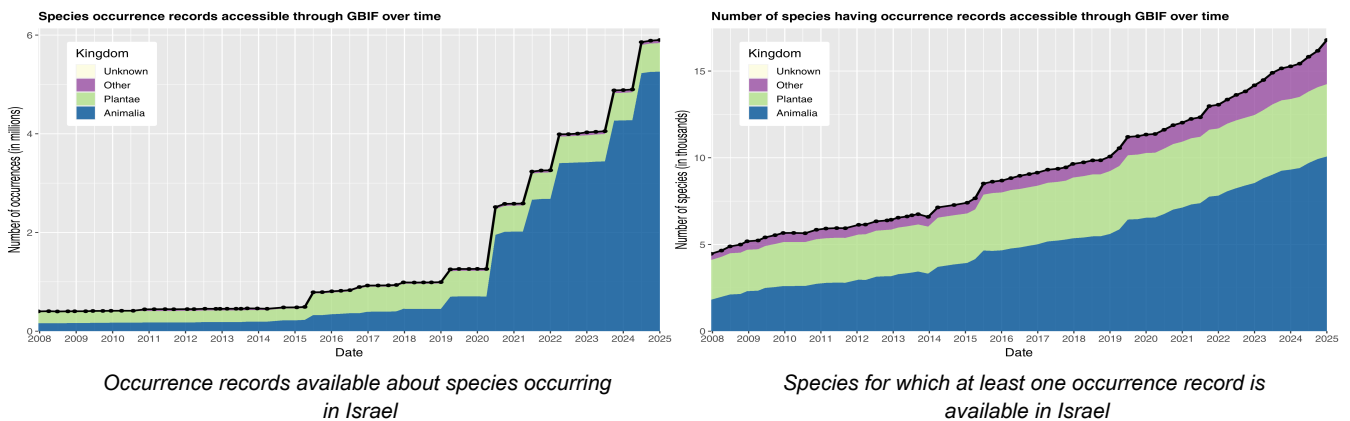
Mammals = Class *Mammalia*  
 Birds = Class *Aves*  
 Bony fish = Superclass  
*Osteichthyes* p.p.  
 Amphibians = Class *Amphibia*

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 Israel



### 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

Chelicerata - The National Natural History Collections. *Published by The National Natural History Collections*

<https://doi.org/10.15468/t5rwwh>

Phytopathogenic fungi - Herbarium of The National Natural History Collections. *Published by The National Natural History Collections*

<https://doi.org/10.15468/q88hjj>

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/10.15468/7cozvw>

BioGIS - Hamaarag. *Published by BioGIS - Israel Biodiversity Website*

<https://doi.org/10.15468/zxhkec>

See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=IL](https://gbif.org/dataset/search?publishing_country=IL)

### Newest publishers from Israel

Israel Gene Bank

The National Natural History Collections

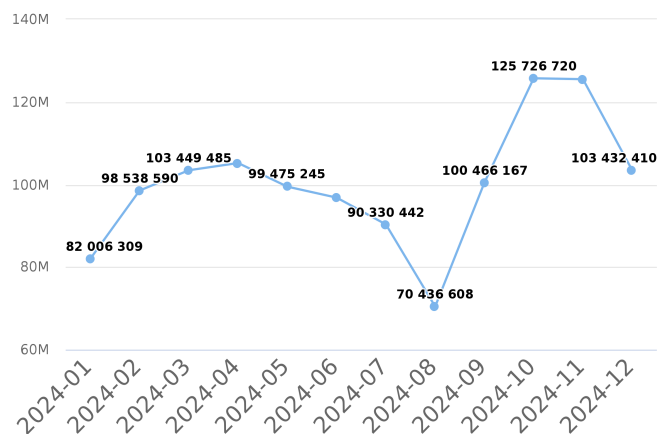
The Steinhardt Museum of Natural History

Hamaarag

ILS - Israeli Lepidopterists' society

See all publishers from this country or area [gbif.org/publisher/search?country=IL](https://gbif.org/publisher/search?country=IL)

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

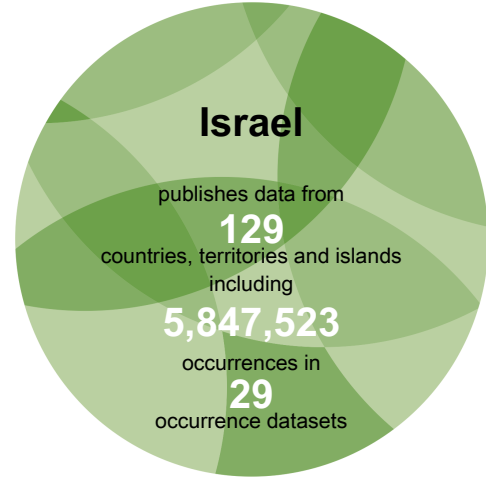
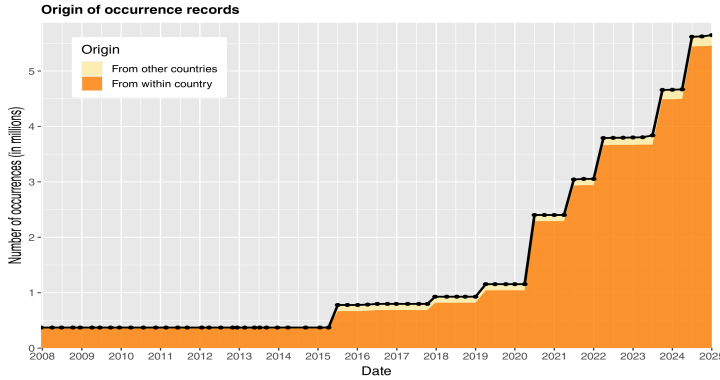


Number of occurrence records downloaded via GBIF.org published by institutions in Israel



## Data mobilization

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



Data sharing with country or area of origin

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 data contributors about biodiversity in Israel

Rank	Country or area	No. of occurrences
1	Israel	5,669,966
2	United States of America	134,813
3	Netherlands	85,855
4	Colombia	65,645
5	United Kingdom	52,424
6	International organization or unknown country	37,314
7	Estonia	25,769
8	Germany	18,671
9	Finland	9,313
10	France	8,770

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

### Top datasets contributing data about Israel

- EOD – eBird Observation Dataset. 4,852,948 occurrences in Israel. (Last updated 27 Sep 2024)
- INPA - BioDB. 433,463 occurrences in Israel. (Last updated 19 Dec 2024)
- iNaturalist Research-grade Observations. 144,632 occurrences in Israel. (Last updated 30 Dec 2024)
- BioGIS - Vascular plants - A. Danin's grid database. 92,948 occurrences in Israel. (Last updated 2 Dec 2024)
- Observation.org, Nature data from around the World. 74,721 occurrences in Israel. (Last updated 3 Jan 2025)

See all contributing countries and areas or datasets: [gbif.org/country/IL/about](https://gbif.org/country/IL/about)