GBIF Global Biodiversity Information Facility

Activity report

generated January 2026

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

6

peer-reviewed articles citing GBIF use during 2025 and a total of

90

articles since 2008

▸ Data availability in Israel

Animalia
7,368,645
occurrences

Plantae
1,217,698
occurrences

Fungi
19,211
occurrences

Unknown
36
occurrences

Protozoa
1,351
occurrences

Bacteria
17,874
occurrences

Virus
3,250
occurrences

Chromista
17,645
occurrences

Archaea
716
occurrences

▸ Data mobilization

Institutions from

Israel

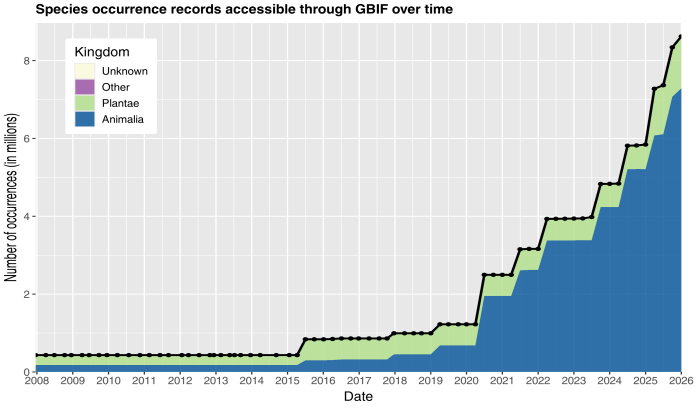
published

2,778,746

new occurrence records during 2025 out of a total of

613,633,572

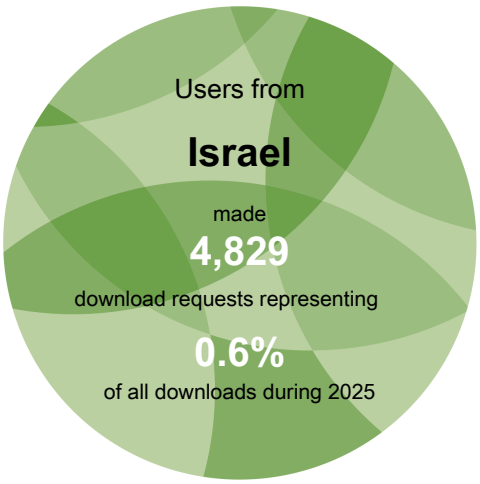
occurrence records added globally to GBIF.org

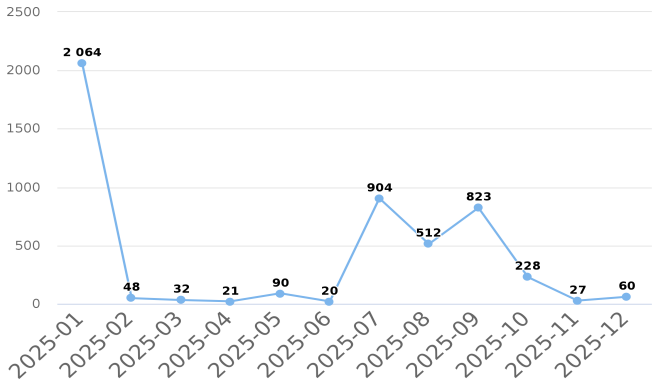


Number of records published by institutions in Israel, categorized by kingdom

Access and usage

Data downloads on GBIF.org from users in Israel





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.

Seebens, Meyerson, Richardson *et al.* (2025) Biological invasions: a global assessment of geographic distributions, long-term trends, and data gaps. *Biological Reviews.* https://doi.org/10.1111/brv.70058

Xiong, Hu, Degen *et al.* (2025) Morphological and physiological responses to aridity in narrowly- and widely-distributed plant species in drylands. *Science China Life Sciences.* https://doi.org/10.1007/s11427-024-2969-7

Geronimo-Isidro, Figueroa-Jimenez, Gabayno-Laguatan *et al.* (2025) Spatiotemporal modeling of Hemileia vastatrix using multiple machine learning algorithms: implications for disease surveillance of the coffee leaf rust disease in the Philippines. *Journal of Plant Pathology.* https://doi.org/10.1007/s42161-025-01958-3

Sun, Deng, Yao *et al.* (2025) Distribution Range and Richness of Plant Species Are Predicted to Increase by 2100 due to a Warmer and Wetter Climate in Northern China. *Global Change Biology.* https://doi.org/10.1111/gcb.70334

Lončarević, Liu, Stefanaki *et al.* (2024) Database of European vascular plants red lists as a contribution to more coherent plant conservation. *Scientific Data.* https://doi.org/10.1038/s41597-024-03963-0

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

Mammals
318,491
occurrences

Birds
6,462,650
occurrences

Bony fish
52,730
occurrences

Amphibians
12,493
occurrences

Insects
262,739
occurrences

Reptiles
72,510
occurrences

Molluscs
43,354
occurrences

Arachnids
15,365
occurrences

Flowering plants
1,201,309
occurrences

Ferns
4,234
occurrences

Gymnosperms
7,166
occurrences

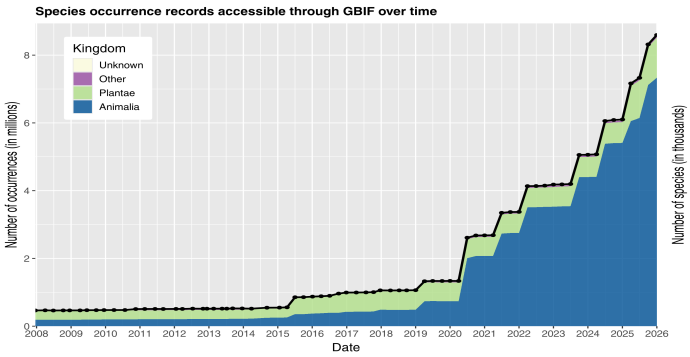
Mosses
2,481
occurrences

Sac fungi
9,779
occurrences

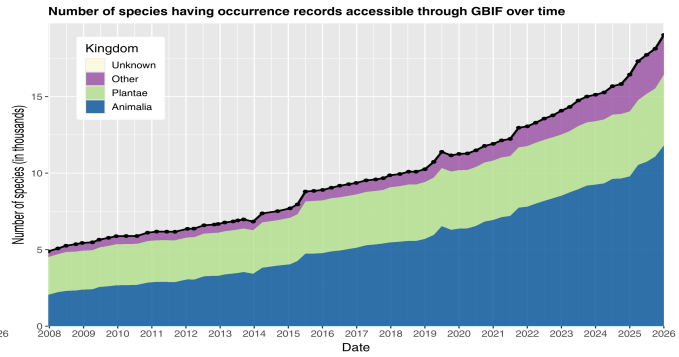
Basidiomycota
8,201
occurrences

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



Occurrence records available about species occurring in Israel



Species for which at least one occurrence record is available 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

Osteology - The National Natural History Collections. *Published by The National Natural History Collections*
https://doi.org/10.15468/dfhuc7

Mandibulata - The National Natural History Collections. *Published by The National Natural History Collections*
https://doi.org/10.15468/sks56x

Variety of samplings from the eastern mediterranean. *Published by Israel Oceanographic and Limnological research*
https://doi.org/10.15468/t4ar6e

Cambridge expedition to the Suez canal 1924. *Published by Israel Oceanographic and Limnological research*
https://doi.org/10.15468/es67zr

Sponges of the Israeli Mediterranean waters. *Published by Israel Oceanographic and Limnological research*
https://doi.org/10.15468/8pqe96

Macrofauna of the eastern Mediterranean Israeli shelf. *Published by Israel Oceanographic and Limnological research*
https://doi.org/10.15468/vmchf7

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

Newest publishers from Israel

Israel Oceanographic and Limnological research

Israel Gene Bank

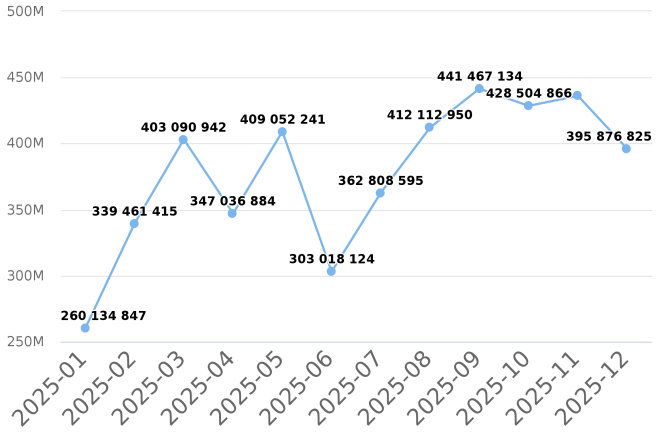
The National Natural History Collections

The Steinhardt Museum of Natural History

Hamaarag

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

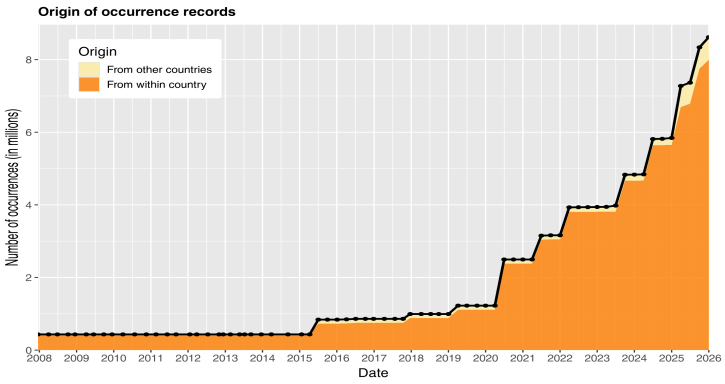
Occurrence records downloaded from GBIF.org, published by institutions in Israel



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	8,017,302
2	United States of America	173,290
3	Netherlands	89,218
4	Colombia	65,645
5	United Kingdom	53,865
6	Greece	45,914
7	International organization or unknown country	45,032
8	Canada	26,540
9	Estonia	25,781
10	Sweden	23,578

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

Top datasets contributing data about Israel

EOD – eBird Observation Dataset. *5,791,280 occurrences in Israel.* (Last updated 29 Oct 2025)

INPA - Observations. *1,767,608 occurrences in Israel.* (Last updated 4 Jan 2026)

iNaturalist Research-grade Observations. *204,448 occurrences in Israel.* (Last updated 31 Dec 2025)

Avinoam Danin vascular plants database. *117,135 occurrences in Israel.* (Last updated 18 Nov 2025)

Observation.org, Nature data from around the World. *77,374 occurrences in Israel.* (Last updated 16 Dec 2025)

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