

generated January 2025

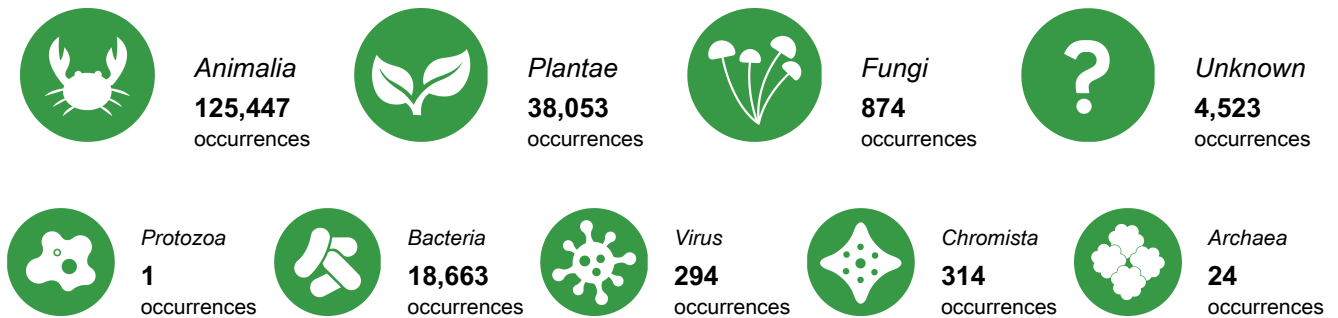
Lebanon

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 Lebanon. 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.

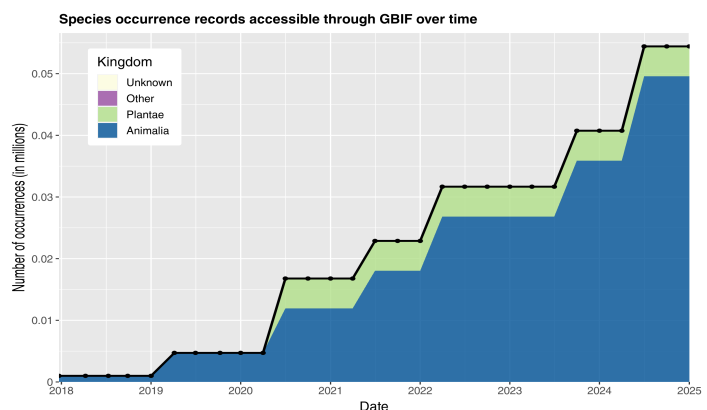
► Access and usage



► Data availability in Lebanon



► Data mobilization

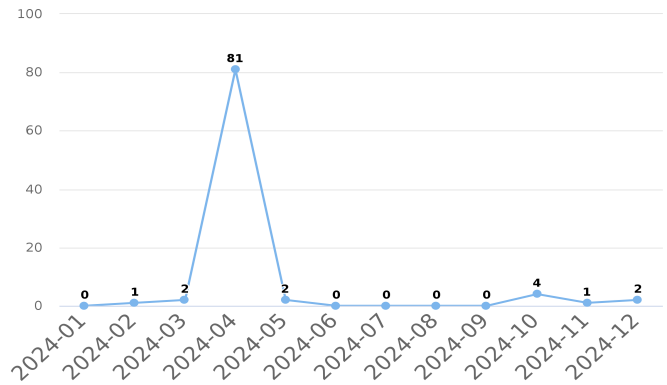
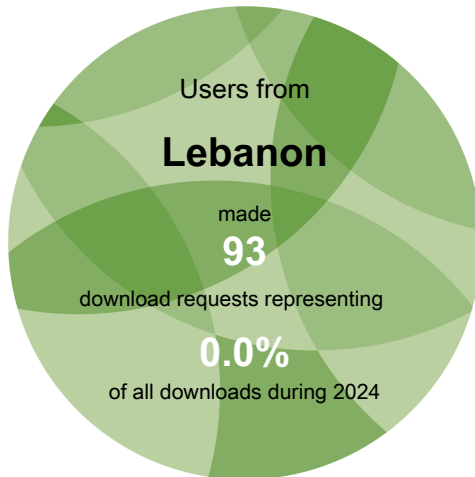


Number of records published by institutions in Lebanon, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Lebanon



Monthly downloads requested by users in Lebanon

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

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 Lebanon.

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

El Zein, Chalak, Baydoun *et al.* (2023) Newly recorded for the vascular flora of Lebanon: *Ferula biverticellata* J.Thiébaud (Apiaceae). *Check List*.
<https://doi.org/10.15560/19.3.293>

Sayde, Raggi, Chalak *et al.* (2023) Crop wild relatives in Lebanon: mapping the distribution of Poaceae and Fabaceae priority taxa for conservation planning. *Genetic Resources and Crop Evolution*.
<https://doi.org/10.1007/s10722-023-01561-4>

Eastwood, Tambam, Aboagye *et al.* (2022) Adapting Agriculture to Climate Change: A Synopsis of Coordinated National Crop Wild Relative Seed Collecting Programs across Five Continents. *Plants*.
<https://doi.org/10.3390/plants11141840>

Ramirez-Villegas, Khoury, Achicanoy *et al.* (2022) State of ex situ conservation of landrace groups of 25 major crops. *Nature Plants*.
<https://doi.org/10.1038/s41477-022-01144-8>

El Zein, Bou Dagher-Kharrat. (2021) New records of vascular plants for the flora of Lebanon: a rare species rediscovered after seventy years, *Daphne pontica* L. (Thymelaeaceae), and three new occurrences, *Atropa bella-donna* L. (Solanaceae), *Circaea lutetiana* L. (Onagraceae), and *Euonymus latifolius* (L.) Mill. (Celastraceae). *Check List*.

See all research from this country or area
gbif.org/country/LB/publications/from



Data availability

Total data available for selected taxonomic groups in Lebanon



Mammals
2,676
occurrences



Birds
52,240
occurrences



Bony fish
5,145
occurrences



Amphibians
306
occurrences



Insects
54,615
occurrences



Reptiles
1,160
occurrences



Molluscs
3,415
occurrences



Arachnids
844
occurrences



Flowering plants
35,878
occurrences



Ferns
348
occurrences



Gymnosperms
743
occurrences



Mosses
385
occurrences



Sac fungi
493
occurrences



Basidiomycota
377
occurrences

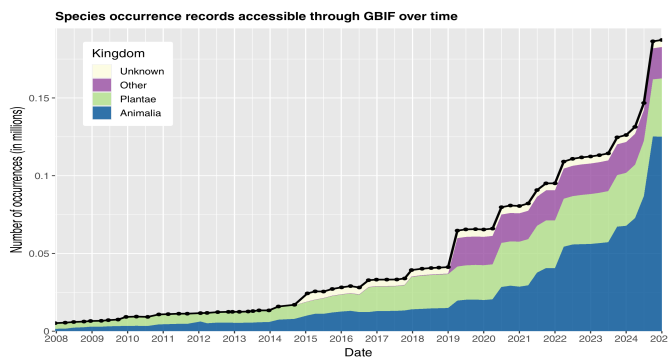
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

Insects = Class *Insecta*
Reptiles = Class *Testudines*,
Sphenodontia, *Squamata* &
Crocodylia
Molluscs = Phylum *Mollusca*

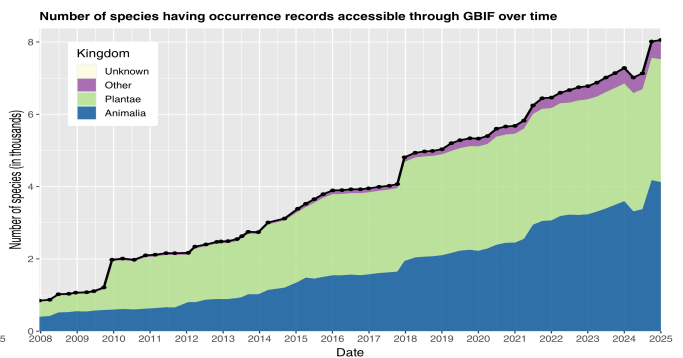
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

Ferns = Phylum *Pteridophyta*
Mosses = Phylum *Bryophyta*
Sac fungi = Phylum *Ascomycota*
Basidiomycota = Phylum
Basidiomycota

Change over time in records about biodiversity in Lebanon



Occurrence records available about species occurring in Lebanon



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

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 Lebanon

Vascular plants of the Valleys of Hell, Danniye-Akkar, Lebanon, 2019. *Published by Wadi ez-Zouhour*
<https://doi.org/10.15468/jh6usj>

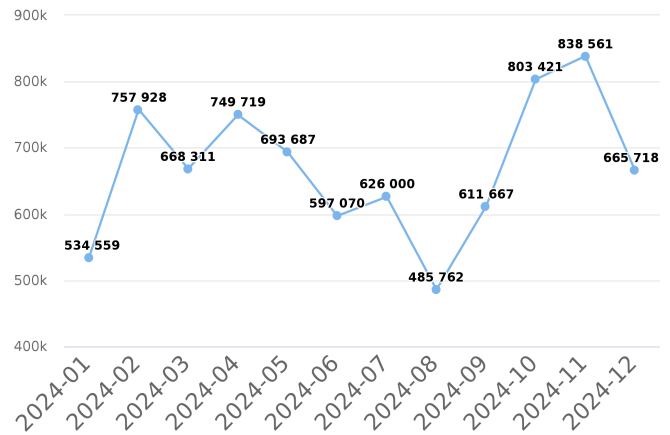
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=LB

Newest publishers from Lebanon

Wadi ez-Zouhour

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

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

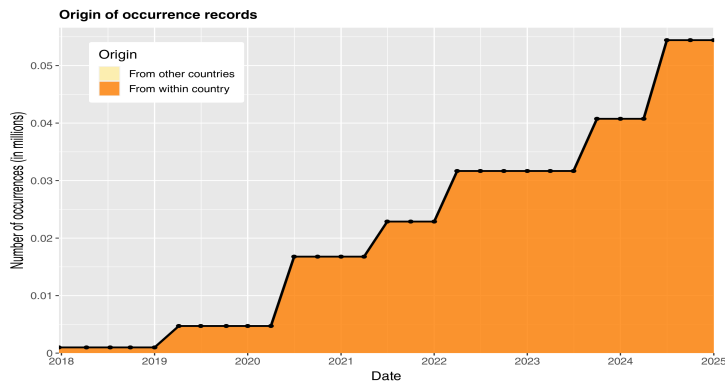


Number of occurrence records downloaded via GBIF.org published by institutions in Lebanon

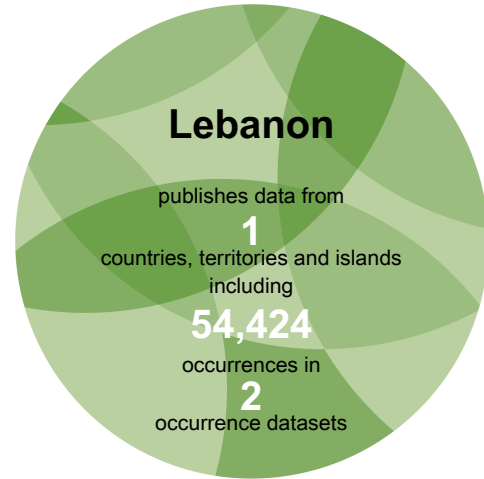


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Lebanon

Rank	Country or area	No. of occurrences
1	Lebanon	54,424
2	International organization or unknown country	42,503
3	United Kingdom	28,267
4	France	15,100
5	United States of America	12,902
6	Estonia	8,460
7	Finland	4,804
8	Colombia	4,742
9	Netherlands	4,504
10	Germany	3,986

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

Top datasets contributing data about Lebanon

EOD – eBird Observation Dataset. *49,579 occurrences in Lebanon.* (Last updated 27 Sep 2024)

International Barcode of Life project (iBOL). *38,804 occurrences in Lebanon.* (Last updated 7 Aug 2024)

Effect of genetics and environment on gut bacteria in Anopheles and Aedes mosquitoes.. *18,587 occurrences in Lebanon.* (Last updated 30 Sep 2022)

The fossil collection (F) of the Muséum national d'Histoire naturelle (MNHN - Paris). *6,864 occurrences in Lebanon.* (Last updated 1 Jan 2025)

University of Tartu Natural History Museum and Botanical Garden Zoological Collections. *6,522 occurrences in Lebanon.* (Last updated 19 Jul 2024)

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



Lebanon participates in the following projects coordinated by GBIF

Mobilizing plant species occurrences and sampling-event data from Northern Lebanon

BIFA: Biodiversity Information Fund for Asia, 2019–2020

<https://www.gbif.org/project/4UriCZIJbLkKDnLqOefGhE>

See all GBIF projects
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)