



generated January 2025

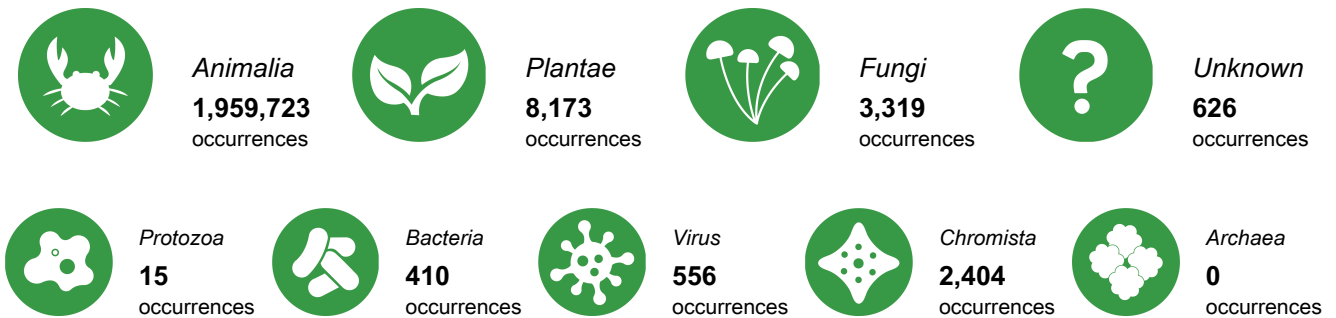
United Arab Emirates

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 United Arab Emirates. 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.

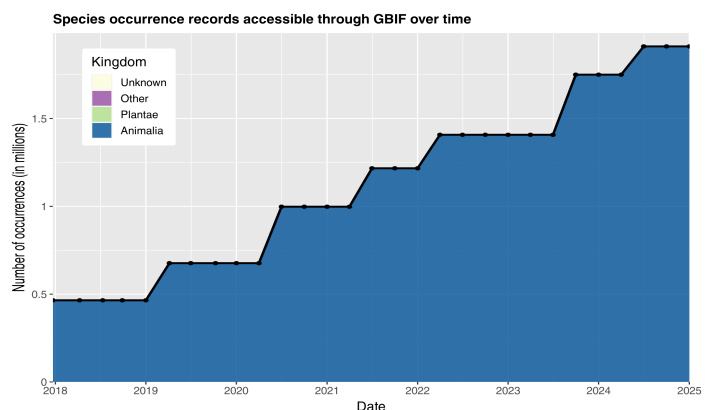
► Access and usage



► Data availability in United Arab Emirates



► Data mobilization

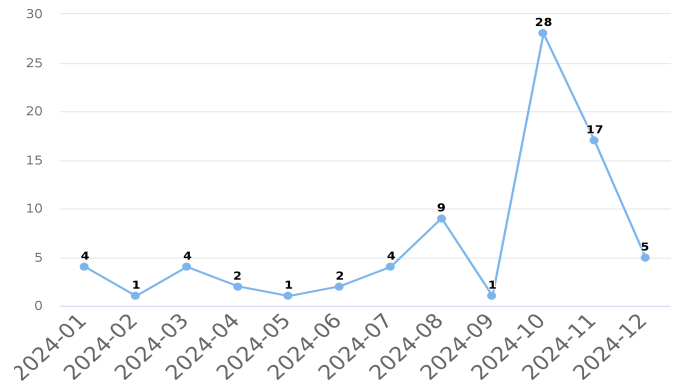
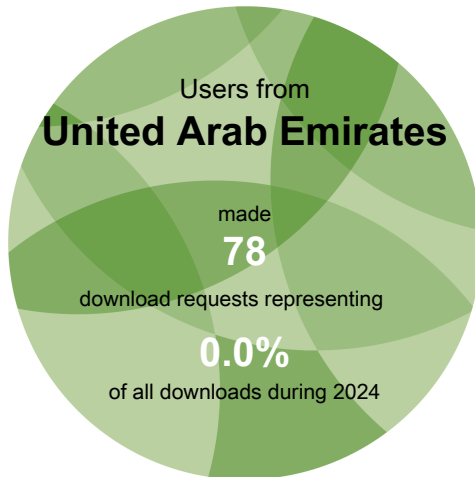


Number of records published by institutions in United Arab Emirates, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in United Arab Emirates



Monthly downloads requested by users in United Arab Emirates

Recent peer-reviewed articles using GBIF-mediated data by co-authors based in United Arab Emirates

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 United Arab Emirates.

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

Waldock, Maire, Albouy *et al.* (2024) Micronutrient levels of global tropical reef fish communities differ from fisheries capture. *People and Nature*.

<https://doi.org/10.1002/pan3.10736>

Kalarikkal, Park, Georgiadis *et al.* (2024) Current and Future Distribution of the *Cataglyphis nodus* (Brullé, 1833) in the Middle East and North Africa. *Diversity*.

<https://doi.org/10.3390/d16090563>

Kallivalappil, Grattarola, de Alwis Pitts *et al.* (2024) Species diversity and extinction risk of vertebrate pollinators in India. *Biodiversity and Conservation*.

<https://doi.org/10.1007/s10531-024-02848-3>

Mochales-Riaño, Burriel-Carranza, Barros *et al.* (2024) Hidden in the sand: Phylogenomics unravel an unexpected evolutionary history for the desert-adapted vipers of the genus *Cerastes*. *Molecular Phylogenetics and Evolution*.

<https://doi.org/10.1016/j.ympev.2023.107979>

El-Barougy, Dakhil, Halmy *et al.* (2023) Potential extinction risk of *Juniperus phoenicea* under global climate change: Towards conservation planning. *Global Ecology and Conservation*.

<https://doi.org/10.1016/j.gecco.2023.e02541>

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



Data availability

Total data available for selected taxonomic groups in United Arab Emirates



Mammals
1,118
occurrences



Birds
1,928,441
occurrences



Bony fish
2,338
occurrences



Amphibians
318
occurrences



Insects
10,505
occurrences



Reptiles
9,374
occurrences



Molluscs
2,198
occurrences



Arachnids
654
occurrences



Flowering plants
8,008
occurrences



Ferns
40
occurrences



Gymnosperms
14
occurrences



Mosses
24
occurrences



Sac fungi
3,034
occurrences



Basidiomycota
114
occurrences

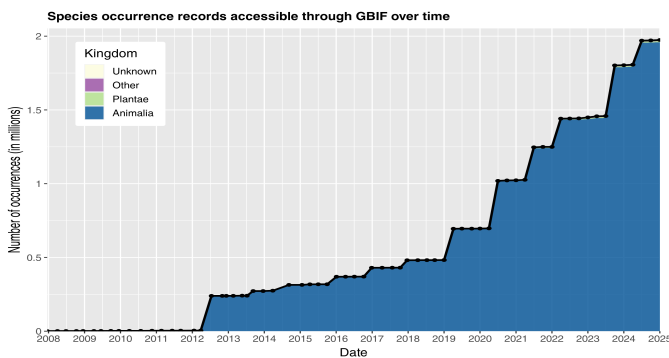
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

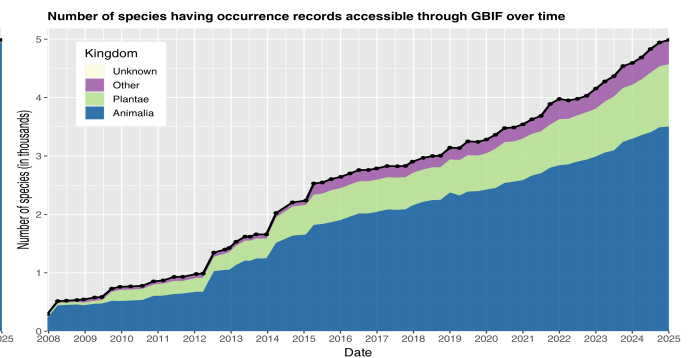
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in United Arab Emirates



Occurrence records available about species occurring in United Arab Emirates



Species for which at least one occurrence record is available in United Arab Emirates

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.

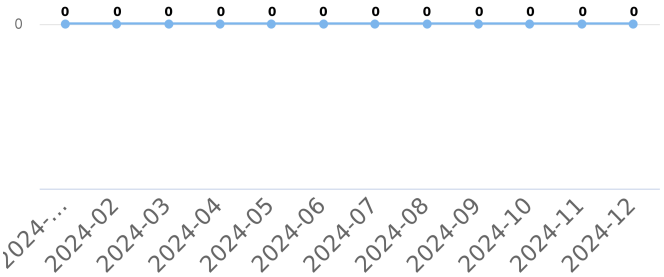
SPECIES COUNTS represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



Newest publishers from United Arab Emirates

No data available

Occurrence records downloaded from GBIF.org, published by institutions in United Arab Emirates



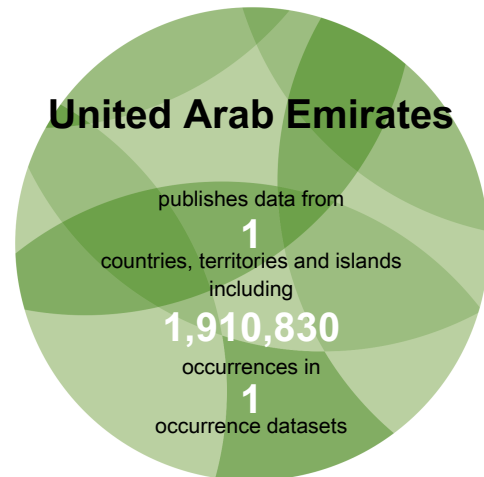
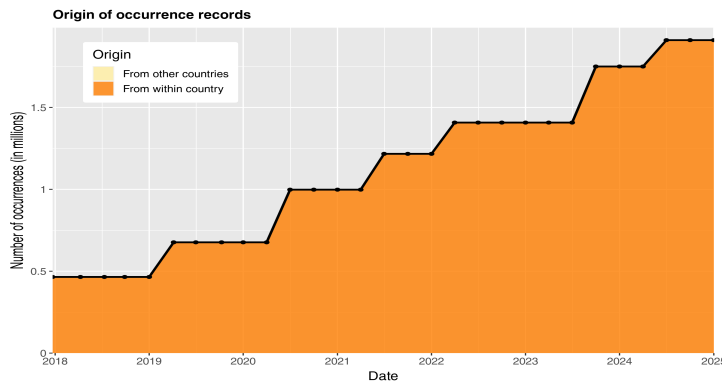
See all publishers from this country or area gbif.org/publisher/search?country=AE

Number of occurrence records downloaded via GBIF.org published by institutions in United Arab Emirates



Data mobilization

Data sharing with country or area of origin by national institutions in United Arab Emirates



Data sharing with country or area of origin

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

Top data contributors about biodiversity in United Arab Emirates

Rank	Country or area	No. of occurrences
1	United Arab Emirates	1,910,830
2	United States of America	34,894
3	United Kingdom	9,552
4	Netherlands	6,127
5	Estonia	4,662
6	Germany	3,838
7	International organization or unknown country	1,557
8	France	1,008
9	Belgium	554
10	Switzerland	468

Table 1. Ranking of countries or areas contributing data about United Arab Emirates

Top datasets contributing data about United Arab Emirates

- EOD – eBird Observation Dataset. *1,910,830 occurrences in United Arab Emirates.* (Last updated 27 Sep 2024)
- iNaturalist Research-grade Observations. *23,606 occurrences in United Arab Emirates.* (Last updated 30 Dec 2024)
- Gulf Green Turtle Project 2016-2019. *6,339 occurrences in United Arab Emirates.* (Last updated 30 Jan 2023)
- Natural History Museum (London) Collection Specimens. *4,958 occurrences in United Arab Emirates.* (Last updated 3 Jan 2025)
- Global soil organisms. *4,659 occurrences in United Arab Emirates.* (Last updated 27 Feb 2023)

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