

generated January 2025

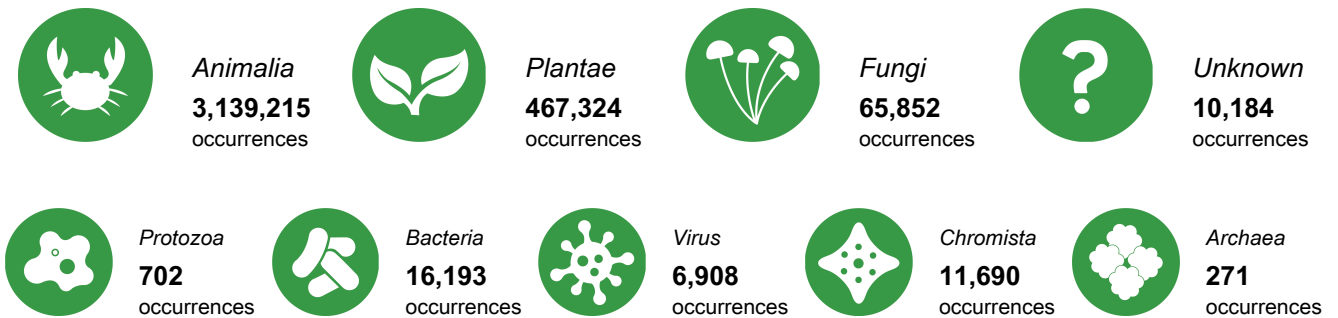
## Türkiye

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 Türkiye. 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.

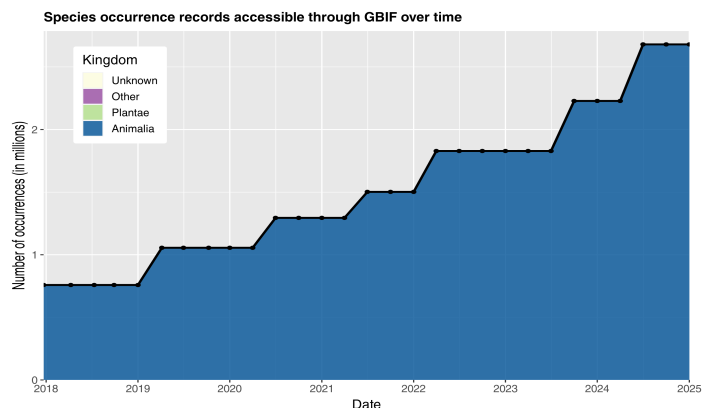
### ► Access and usage



### ► Data availability in Türkiye



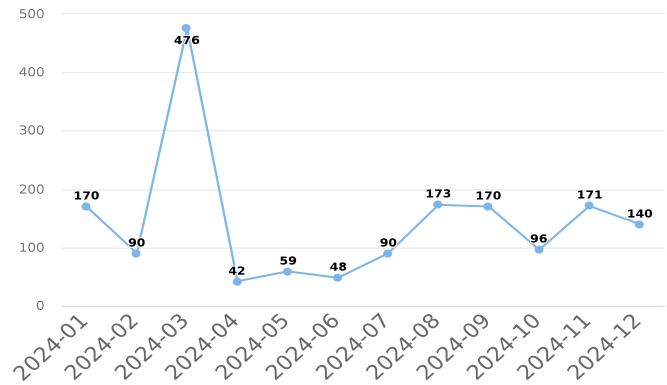
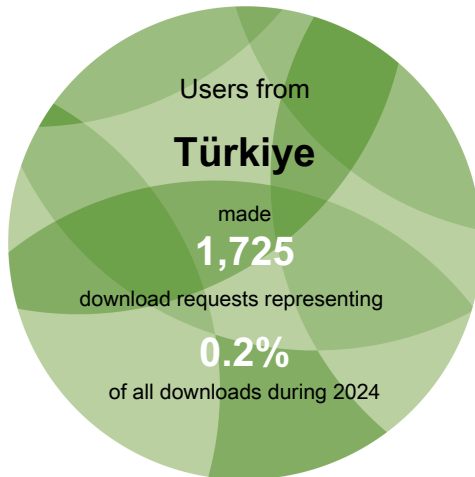
### ► Data mobilization



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

## Access and usage

### Data downloads on GBIF.org from users in Türkiye



Monthly downloads requested by users in Türkiye

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

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 Türkiye.

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).

González-Moreno, Anđelković, Adriaens *et al.* (2024) Citizen science platforms can effectively support early detection of invasive alien species according to species traits. *People and Nature*.

<https://doi.org/10.1002/pan3.10767>

Koç, Ustaoğlu, Biltekin. (2024) Effect of climate change on the habitat suitability of the relict species *Zelkova carpinifolia* Spach using ensembled species distribution modelling. *Scientific Reports*.

<https://doi.org/10.1038/s41598-024-78733-4>

Koç, Dutucu. (2024) Analyzing the Distribution Patterns of Endemic *Quercus vulcanica* (Boiss. et Heldr. ex) Kotschy in Türkiye Under Climate Change Using Ensemble Modeling. *Forests*.

<https://doi.org/10.3390/f15111935>

Ahmet. (2024) A scenario-driven strategy for future habitat management of the Andean bear. *Journal of Wildlife and Biodiversity*.

<https://doi.org/10.5281/zenodo.13822908>

Dassou, Agoundé, Akouété *et al.* (2024) Past, present, and future potential distributions of the African multipurpose tree *Detarium senegalense* (Fabaceae). *Plant Ecology and Evolution*.

<https://doi.org/10.5091/plecevo.122470>

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

## Data availability

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



**Mammals**  
12,295  
occurrences



**Birds**  
2,803,730  
occurrences



**Bony fish**  
28,188  
occurrences



**Amphibians**  
5,004  
occurrences



**Insects**  
220,988  
occurrences



**Reptiles**  
14,966  
occurrences



**Molluscs**  
24,497  
occurrences



**Arachnids**  
9,083  
occurrences



**Flowering plants**  
453,429  
occurrences



**Ferns**  
2,764  
occurrences



**Gymnosperms**  
3,880  
occurrences



**Mosses**  
4,035  
occurrences



**Sac fungi**  
28,343  
occurrences



**Basidiomycota**  
30,236  
occurrences

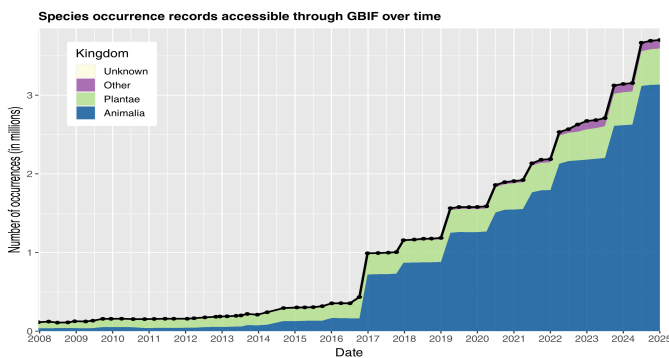
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

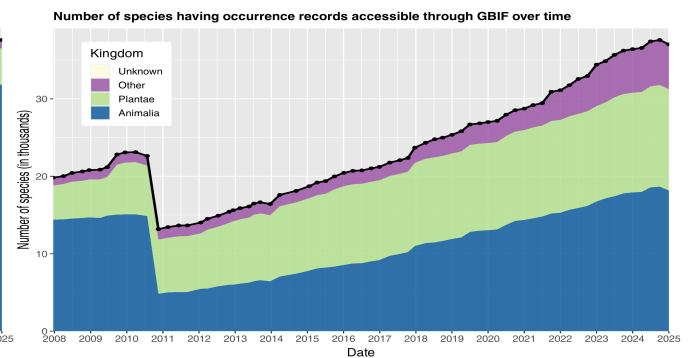
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

### Change over time in records about biodiversity in Türkiye



Occurrence records available about species occurring in Türkiye



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

#### 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 Türkiye

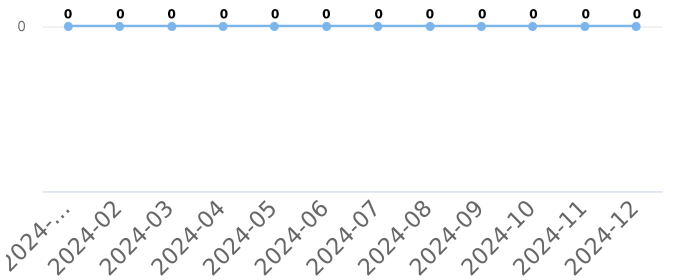
Alien Flora of Turkey. *Published by Duzce University*  
<https://doi.org/10.15468/7j1dof>

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

### Newest publishers from Türkiye

Duzce University

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

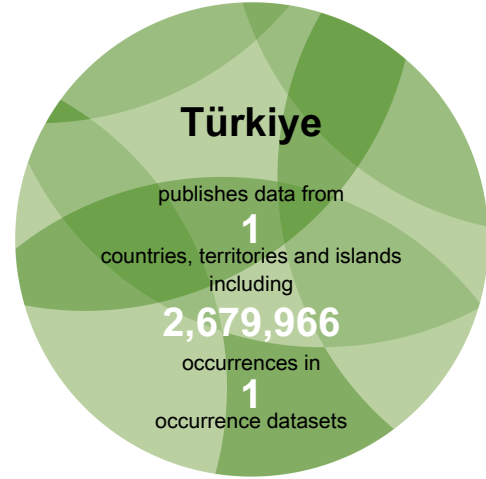
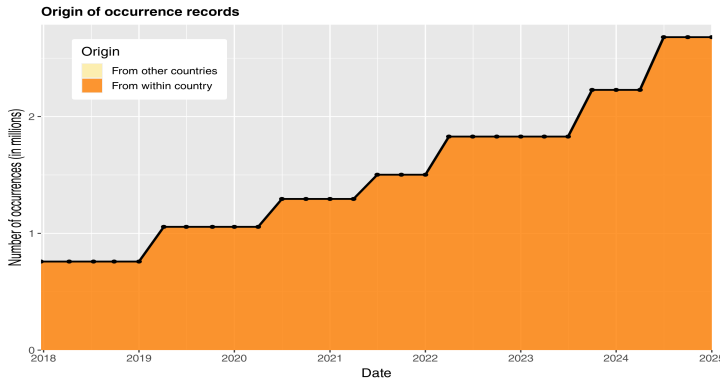


See all publishers from this country or area  
[gbif.org/publisher/search?country=TR](https://gbif.org/publisher/search?country=TR)

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

## Data mobilization

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



Data sharing with country or area of origin

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

### Top data contributors about biodiversity in Türkiye

Rank	Country or area	No. of occurrences
1	Türkiye	2,679,966
2	United States of America	176,442
3	Netherlands	165,060
4	United Kingdom	164,724
5	Estonia	106,319
6	Colombia	82,210
7	Germany	71,785
8	International organization or unknown country	65,167
9	France	57,542
10	Poland	38,124

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

### Top datasets contributing data about Türkiye

- EOD – eBird Observation Dataset. 2,679,966 occurrences in Türkiye. (Last updated 27 Sep 2024)
- iNaturalist Research-grade Observations. 117,252 occurrences in Türkiye. (Last updated 30 Dec 2024)
- A global database for the distributions of crop wild relatives. 82,138 occurrences in Türkiye. (Last updated 9 Feb 2024)
- Edinburgh (E) Herbarium Specimens. 62,633 occurrences in Türkiye. (Last updated 31 Dec 2024)
- Global soil organisms. 60,835 occurrences in Türkiye. (Last updated 27 Feb 2023)

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