

generated January 2025

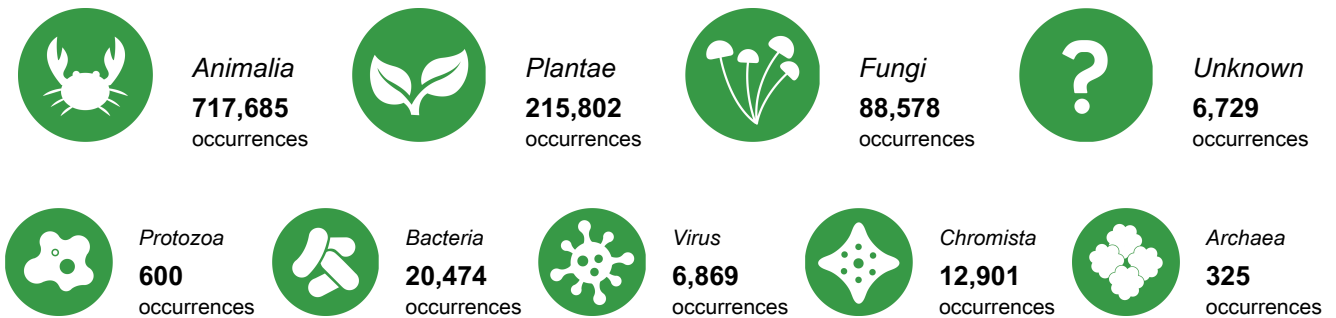
Islamic Republic of Iran

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 Islamic Republic of Iran. 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.

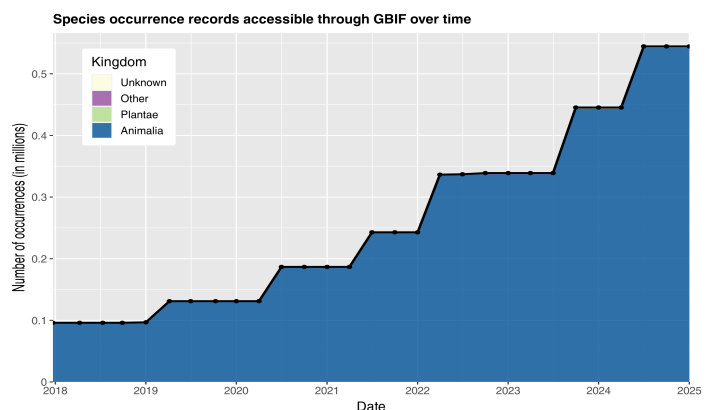
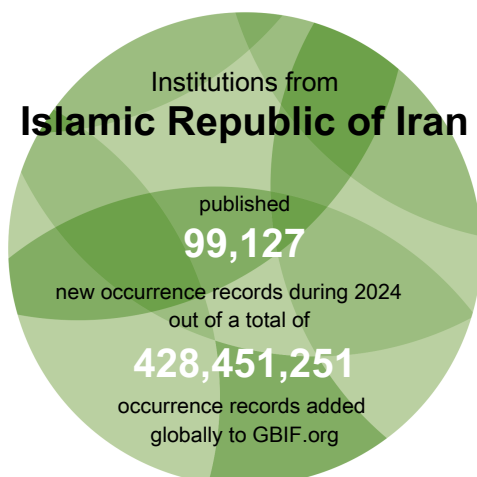
► Access and usage



► Data availability in Islamic Republic of Iran



► Data mobilization

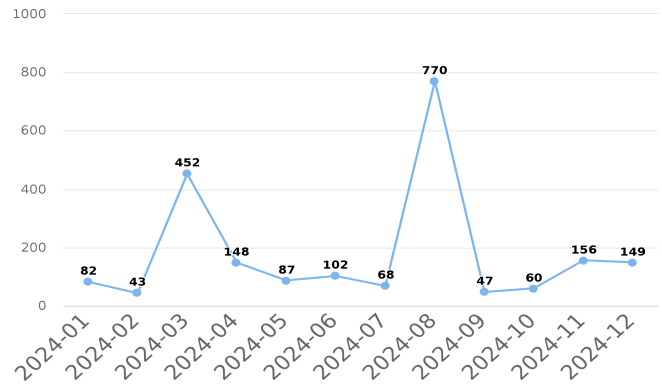
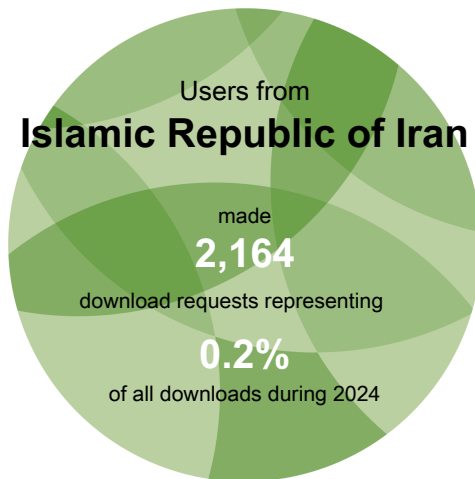


Number of records published by institutions in Islamic Republic of Iran, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Islamic Republic of Iran



Monthly downloads requested by users in Islamic Republic of Iran

Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Islamic Republic of Iran

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 Islamic Republic of Iran.

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

Sorboni, Hadipour, Sorboni. (2024) Modeling the Current Suitable Habitat Range of the Yellow-Bellied Gecko (*Hemidactylus flaviviridis* Rüppell, 1835) in Iran. *Biology and Life Sciences Forum*.
<https://doi.org/10.3390/blsf2024039001>

Fouroutan, Sheidai, Koohdar. (2024) The role of chromosomal rearrangements, polyploidy, and genome size variation in the diversity and ecological distribution of *Asparagus* L. species: a landscape *Caryologia*.
<https://doi.org/10.36253/caryologia-2672>

Ashrafzadeh, Moradi, Khosravi *et al.* (2024) Impacts of climate change on a high elevation specialist bird are ameliorated by terrain complexity. *Global Ecology and Conservation*.
<https://doi.org/10.1016/j.gecco.2024.e03281>

Moradi, Joger, Shafiei Bafti *et al.* (2024) Biogeography of the Iranian snakes. *PLOS ONE*.
<https://doi.org/10.1371/journal.pone.0309120>

Ebrahimi, Ahmadzadeh, Abdoli *et al.* (2024) Deep Learning-Based Modeling of Amphibian Spatial Distribution for Assessing the Effectiveness of Protected Areas. *Journal of the Climate Change Research*.
<https://doi.org/10.30488/ccr.2024.469810.1232>

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



Data availability

Total data available for selected taxonomic groups in Islamic Republic of Iran



Mammals
20,615
occurrences



Birds
570,508
occurrences



Bony fish
11,670
occurrences



Amphibians
2,701
occurrences



Insects
64,691
occurrences



Reptiles
18,843
occurrences



Molluscs
6,573
occurrences



Arachnids
4,177
occurrences



Flowering plants
209,582
occurrences



Ferns
1,419
occurrences



Gymnosperms
1,185
occurrences



Mosses
1,967
occurrences



Sac fungi
43,210
occurrences



Basidiomycota
37,928
occurrences

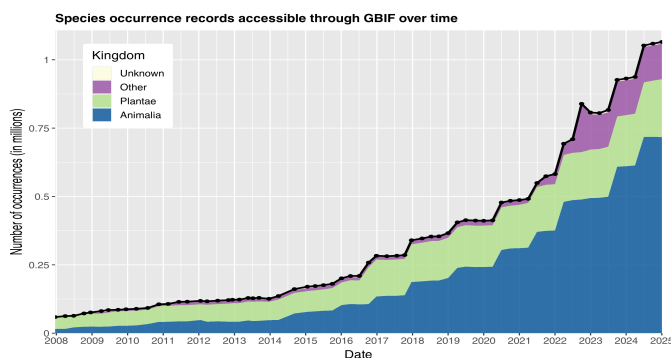
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

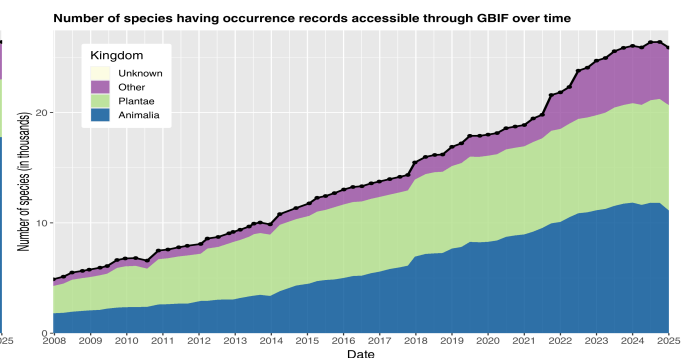
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Islamic Republic of Iran



Occurrence records available about species occurring in Islamic Republic of Iran



Species for which at least one occurrence record is available in Islamic Republic of Iran

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 Islamic Republic of Iran

Iran Birds Checklist. *Published by AvayeBoom Bird Conservation Society*
<https://doi.org/10.15468/ye382d>

Second_Record_of_Ficedula_superciliaris_in_Iran. *Published by AvayeBoom Bird Conservation Society*
<https://doi.org/10.15468/ub5yd2>

Phytoplankton of the Iranian part of Caspian Sea- part1. *Published by Iranian National Institute for Oceanography and Atmospheric Sciences (PEGO-OBIS node)*
<https://doi.org/10.15468/f3tpyk>

Benthos of Iranian parts of the Caspian Sea. *Published by Iranian National Institute for Oceanography and Atmospheric Sciences (PEGO-OBIS node)*
<https://doi.org/10.15468/3utenc>

iran-marine-ray-finnedfishes-1963-70. *Published by Iranian National Institute for Oceanography and Atmospheric Sciences (PEGO-OBIS node)*
<https://doi.org/10.15468/upe4qd>

makran-chabahar-arthropods. *Published by Iranian National Institute for Oceanography and Atmospheric Sciences (PEGO-OBIS node)*
<https://doi.org/10.15468/hse8cv>

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

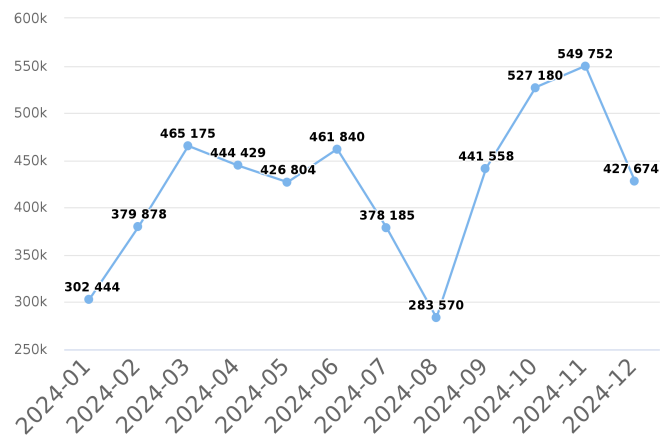
Newest publishers from Islamic Republic of Iran

AvayeBoom Bird Conservation Society

Iranian National Institute for Oceanography and Atmospheric Sciences (PEGO-OBIS node)

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

Occurrence records downloaded from GBIF.org, published by institutions in Islamic Republic of Iran

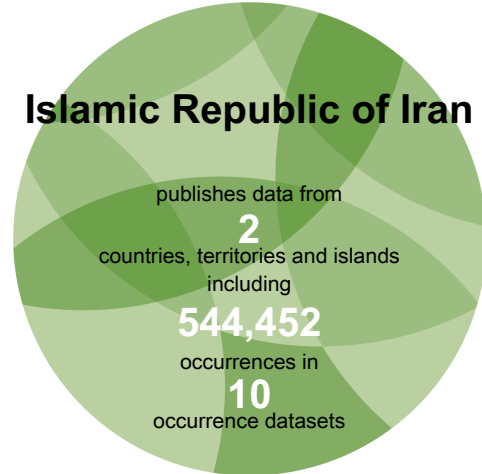
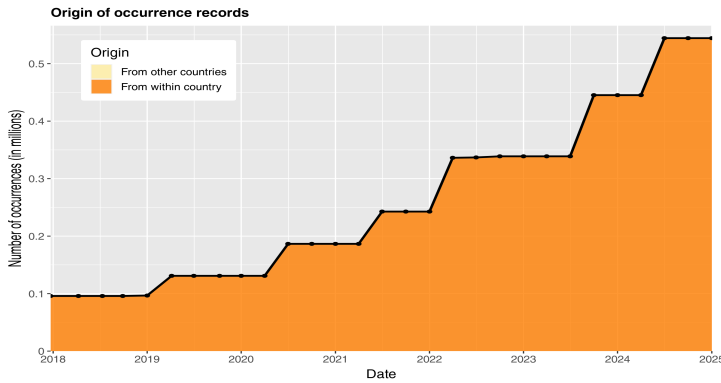


Number of occurrence records downloaded via GBIF.org published by institutions in Islamic Republic of Iran



Data mobilization

Data sharing with country or area of origin by national institutions in Islamic Republic of Iran



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Islamic Republic of Iran

Rank	Country or area	No. of occurrences
1	Islamic Republic of Iran	544,447
2	Estonia	101,845
3	United States of America	101,491
4	United Kingdom	96,183
5	Colombia	47,834
6	International organization or unknown country	38,434
7	Germany	25,526
8	France	19,150
9	Netherlands	17,551
10	Austria	13,839

Table 1. Ranking of countries or areas contributing data about Islamic Republic of Iran

Top datasets contributing data about Islamic Republic of Iran

EOD – eBird Observation Dataset. *540,195 occurrences in Islamic Republic of Iran.* (Last updated 27 Sep 2024)

Global soil organisms. *78,414 occurrences in Islamic Republic of Iran.* (Last updated 27 Feb 2023)

A global database for the distributions of crop wild relatives. *47,807 occurrences in Islamic Republic of Iran.* (Last updated 9 Feb 2024)

INSDC Sequences. *23,803 occurrences in Islamic Republic of Iran.* (Last updated 4 Jan 2025)

iNaturalist Research-grade Observations. *23,362 occurrences in Islamic Republic of Iran.* (Last updated 30 Dec 2024)

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