

generated January 2025

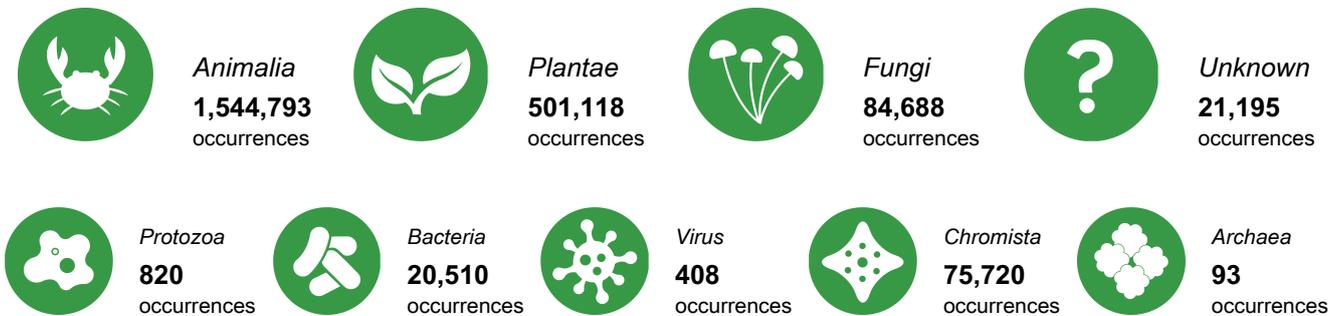
Iceland

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 Iceland. 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.

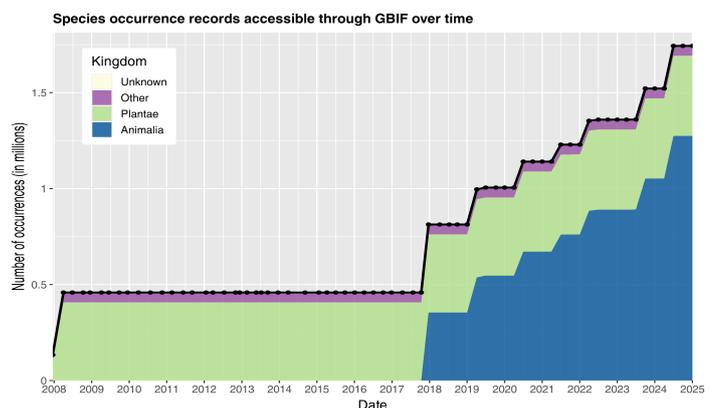
► Access and usage



► Data availability in Iceland



► Data mobilization

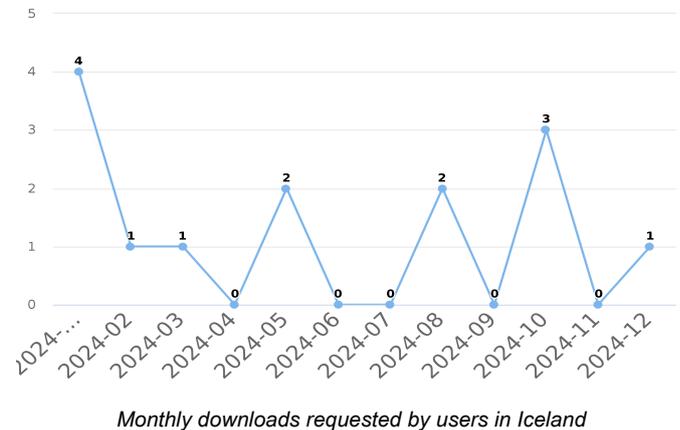
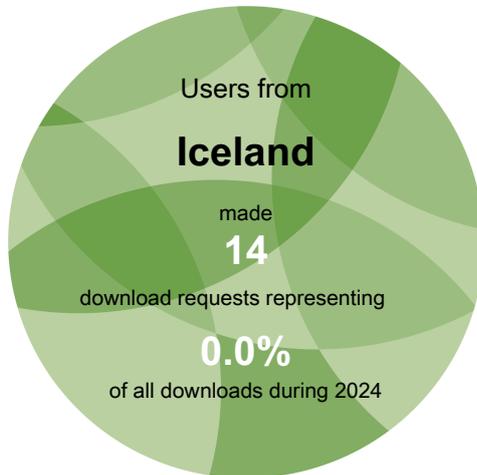


Number of records published by institutions in Iceland, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Iceland



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

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 Iceland.

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

Caldwell, Hobbs, Bowen *et al.* (2024) Global trends and biases in biodiversity conservation research. *Cell Reports Sustainability*.

<https://doi.org/10.1016/j.crsus.2024.100082>

Ovaskainen, Abrego, Furneaux *et al.* (2024) Global Spore Sampling Project: A global, standardized dataset of airborne fungal DNA. *Scientific Data*.

<https://doi.org/10.1038/s41597-024-03410-0>

Pearman, Broennimann, Aavik *et al.* (2024) Monitoring of species' genetic diversity in Europe varies greatly and overlooks potential climate change impacts. *Nature Ecology & Evolution*.

<https://doi.org/10.1038/s41559-023-02260-0>

Potapov, Chen, Striuchkova *et al.* (2024) Global fine-resolution data on springtail abundance and community structure. *Scientific Data*.

<https://doi.org/10.1038/s41597-023-02784-x>

Loos, Bafort, Bosch *et al.* (2023) Non-indigenous seaweeds in the Northeast Atlantic Ocean, the Mediterranean Sea and Macaronesia: a critical synthesis of diversity, spatial and temporal patterns. *European Journal of Phycology*.

<https://doi.org/10.1080/09670262.2023.2256828>

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



Data availability

Total data available for selected taxonomic groups in Iceland



Mammals
16,808
occurrences



Birds
1,403,935
occurrences



Bony fish
7,405
occurrences



Amphibians
0
occurrences



Insects
12,363
occurrences



Reptiles
5
occurrences



Molluscs
6,046
occurrences



Arachnids
4,942
occurrences



Flowering plants
408,964
occurrences



Ferns
19,989
occurrences



Gymnosperms
1,365
occurrences



Mosses
43,708
occurrences



Sac fungi
61,041
occurrences



Basidiomycota
20,846
occurrences

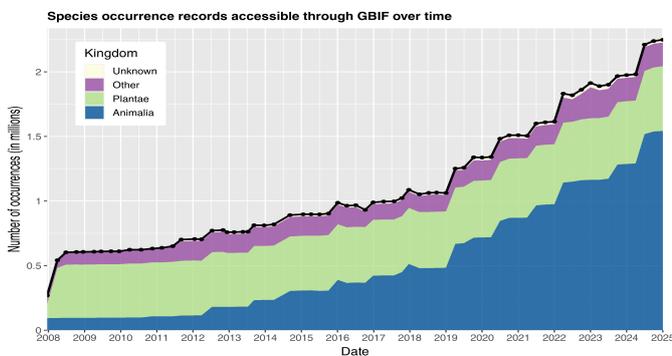
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

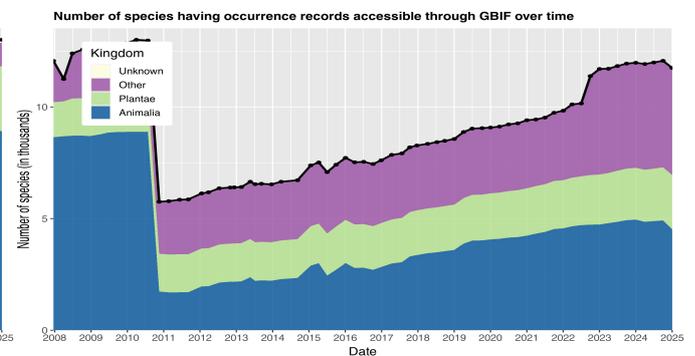
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Iceland



Occurrence records available about species occurring in Iceland



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

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 Iceland

Citizen observations of reindeer. *Published by Icelandic Institute of Natural History*
<https://doi.org/10.15468/zmcqdz>

Rock ptarmigan road transect survey. *Published by Icelandic Institute of Natural History*
<https://doi.org/10.15468/k6ytqn>

Senecio pseudoarnica Less. (Asteraceae) – a new non-native invading coastal areas in arctic and subarctic Europe.. *Published by Icelandic Institute of Natural History*
<https://doi.org/10.15468/gf5nr5>

Vascular plants on Surtsey 1965-1990, point distribution data. *Published by Icelandic Institute of Natural History*
<https://doi.org/10.3897/bdj.8.e54812>

Vascular Plant Red List for Iceland. *Published by Icelandic Institute of Natural History*
<https://doi.org/10.5281/zenodo.2875162>

Annotated Checklist of Vascular Plants of Iceland. *Published by Icelandic Institute of Natural History*
<https://doi.org/10.33112/1027-832x.1055>

ICEL (Land - Invertebrates). *Published by Icelandic Institute of Natural History*
<https://doi.org/10.15468/ziskqo>

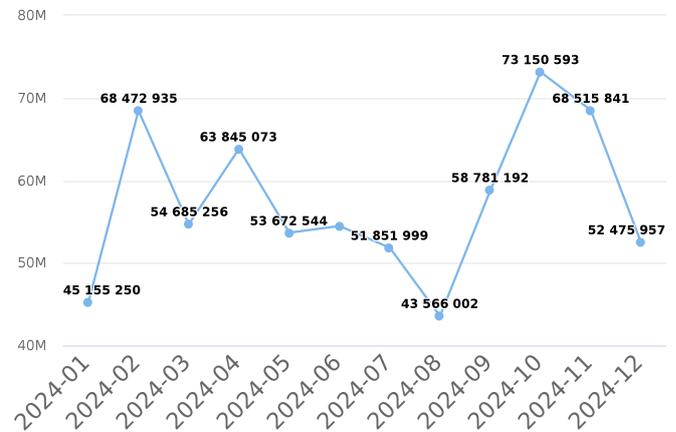
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=IS

Newest publishers from Iceland

Icelandic Institute of Natural History

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

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

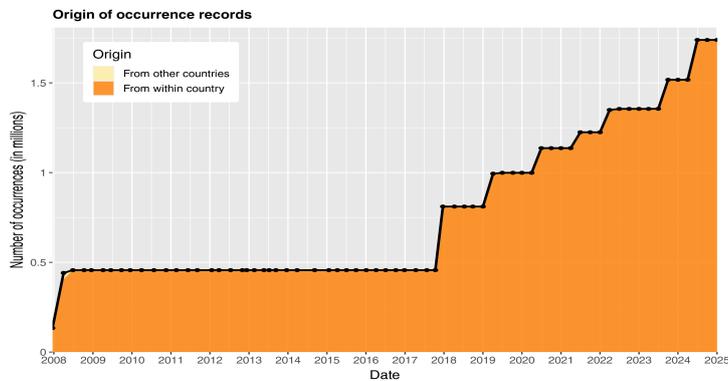


Number of occurrence records downloaded via GBIF.org published by institutions in Iceland

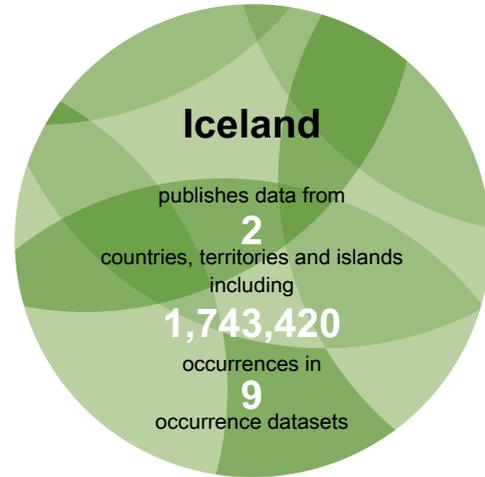


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Iceland

Rank	Country or area	No. of occurrences
1	Iceland	1,739,062
2	United Kingdom	182,654
3	Netherlands	102,172
4	United States of America	81,446
5	Germany	26,899
6	Sweden	22,556
7	Estonia	18,360
8	Denmark	18,000
9	Norway	17,584
10	Belgium	10,727

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

Top datasets contributing data about Iceland

- EOD – eBird Observation Dataset. *1,258,895 occurrences in Iceland.* (Last updated 27 Sep 2024)
- Observational database of Icelandic plants. *313,162 occurrences in Iceland.* (Last updated 28 Feb 2018)
- The CPR Survey. *141,223 occurrences in Iceland.* (Last updated 23 Feb 2022)
- Herbarium (ICEL). *92,061 occurrences in Iceland.* (Last updated 28 Feb 2018)
- Observation.org, Nature data from around the World. *69,923 occurrences in Iceland.* (Last updated 3 Jan 2025)

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