

generated January 2025

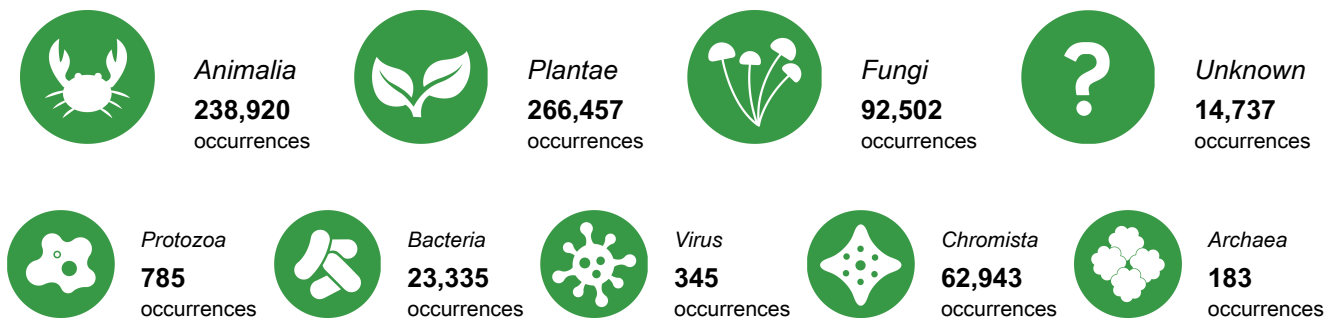
## Greenland

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 Greenland. 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.

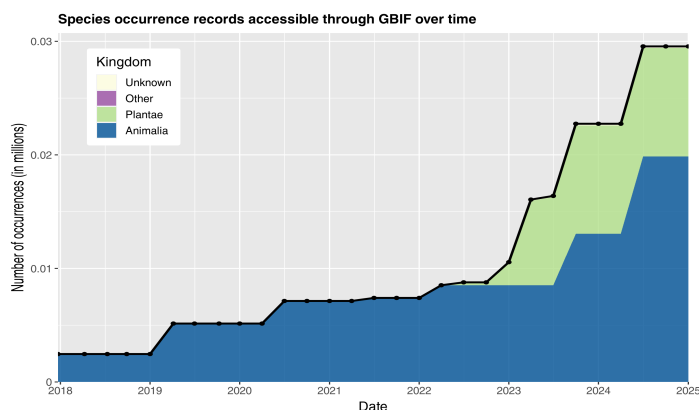
### ► Access and usage



### ► Data availability in Greenland



### ► Data mobilization

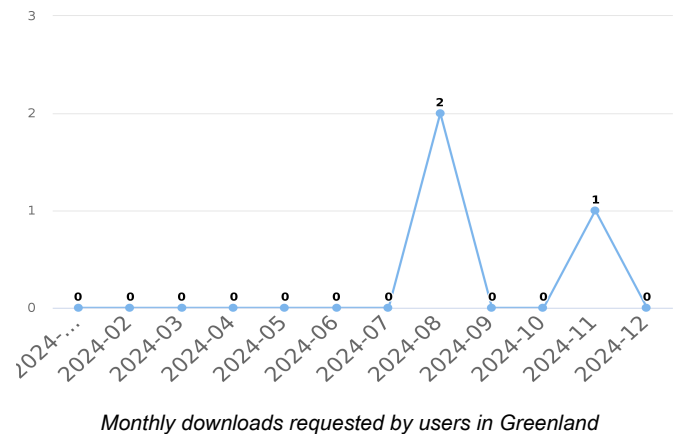
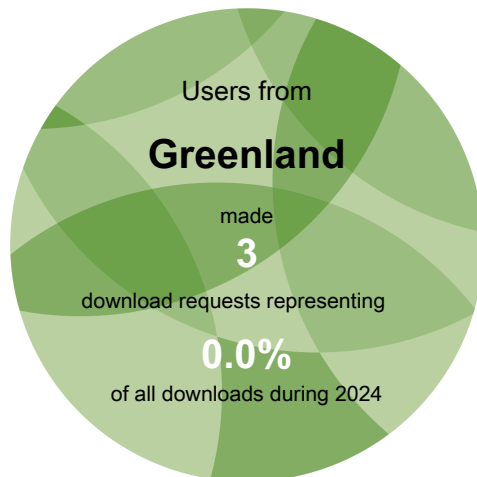


Number of records published by institutions in  
Greenland, categorized by kingdom



## Access and usage

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



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

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 Greenland.

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).

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>

Vihtakari, Hordoir, Treble *et al.* (2021) Pan-Arctic suitable habitat model for Greenland halibut. *ICES Journal of Marine Science*.  
<https://doi.org/10.1093/icesjms/fsab007>

Wisz, Broennimann, Grønkjær *et al.* (2015) Arctic warming will promote Atlantic–Pacific fish interchange. *Nature Climate Change*.  
<https://doi.org/10.1038/nclimate2500>

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



## Data availability

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



**Mammals**  
**12,910**  
occurrences



**Birds**  
**55,477**  
occurrences



**Bony fish**  
**30,872**  
occurrences



**Amphibians**  
**456**  
occurrences



**Insects**  
**38,440**  
occurrences



**Reptiles**  
**6**  
occurrences



**Molluscs**  
**13,876**  
occurrences



**Arachnids**  
**4,880**  
occurrences



**Flowering plants**  
**219,792**  
occurrences



**Ferns**  
**9,221**  
occurrences



**Gymnosperms**  
**3,843**  
occurrences



**Mosses**  
**21,983**  
occurrences



**Sac fungi**  
**58,470**  
occurrences



**Basidiomycota**  
**30,761**  
occurrences

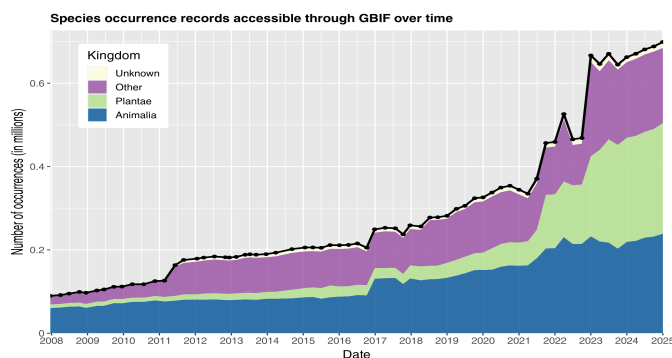
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

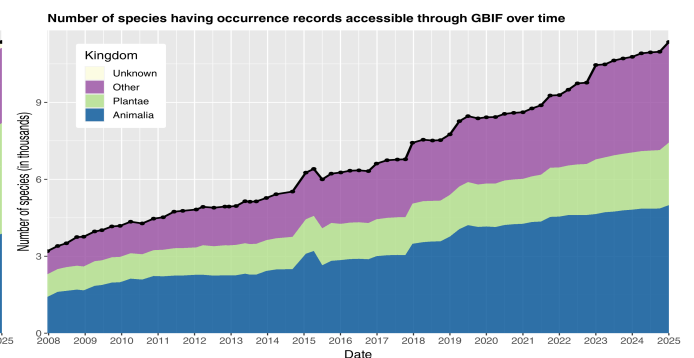
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

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



Occurrence records available about species occurring in Greenland



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

#### 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 Greenland

The vascular plants of south-east Greenland 60°04' to 64°30' N.Lat. 1933. *Published by Greenland Institute of Natural Resources*  
<https://doi.org/10.15468/v4e6gm>

The Flora of Melville Bugt 1943. *Published by Greenland Institute of Natural Resources*  
<https://doi.org/10.15468/spq46v>

Conspectus Florae Groenlandicae. *Published by Greenland Institute of Natural Resources*  
<https://doi.org/10.15468/p5m5cd>

Adventitious plants in Greenland 1972. *Published by Greenland Institute of Natural Resources*  
<https://doi.org/10.15468/u6jcrp>

Salt marshes on Qeqertarsuaq 1972. *Published by Greenland Institute of Natural Resources*  
<https://doi.org/10.15468/g5x3r>

Vascular plant herbarium specimens at Greenland Institute of Natural Resources. *Published by Greenland Institute of Natural Resources*  
<https://doi.org/10.15468/8s9bw9>

Flora of Greenland Checklist. *Published by Greenland Institute of Natural Resources*  
<https://doi.org/10.15468/r9efxw>

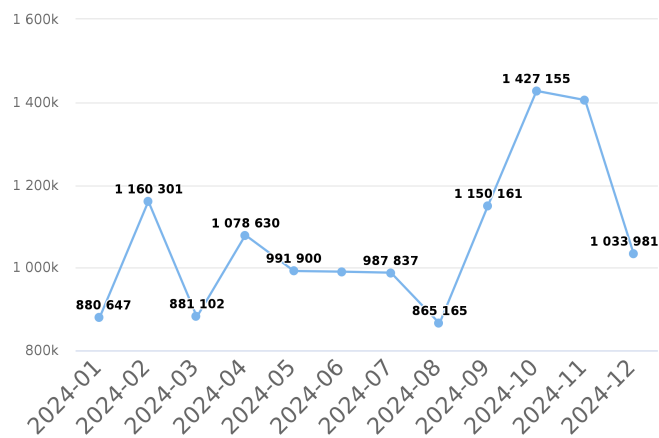
See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=GL](https://gbif.org/dataset/search?publishing_country=GL)

Newest publishers from Greenland

Greenland Institute of Natural Resources

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

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

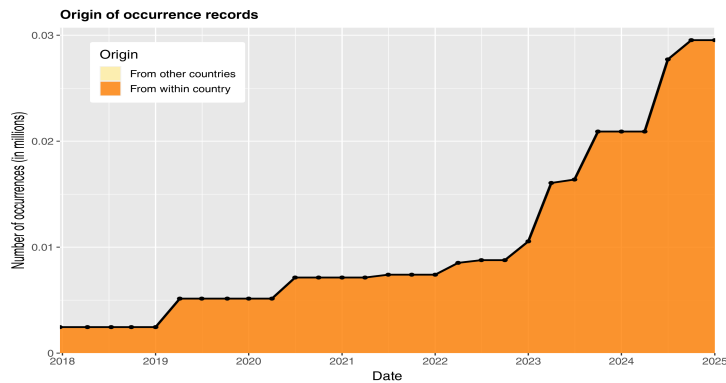


Number of occurrence records downloaded via GBIF.org published by institutions in Greenland



## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Greenland

Rank	Country or area	No. of occurrences
1	Denmark	214,728
2	United States of America	102,576
3	United Kingdom	81,125
4	Estonia	77,109
5	International organization or unknown country	49,257
6	Germany	41,305
7	Norway	40,910
8	Sweden	30,053
9	Greenland	29,541
10	Canada	11,384

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

### Top datasets contributing data about Greenland

- NHMD Vascular Plants Collection. *158,279 occurrences in Greenland.* (Last updated 23 Jul 2024)
- Global soil organisms. *70,257 occurrences in Greenland.* (Last updated 27 Feb 2023)
- The CPR Survey. *40,020 occurrences in Greenland.* (Last updated 23 Feb 2022)
- International Barcode of Life project (iBOL). *35,150 occurrences in Greenland.* (Last updated 7 Aug 2024)
- NHMD Ichthyology Collection. *20,434 occurrences in Greenland.* (Last updated 20 Jun 2024)

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