

generated January 2024

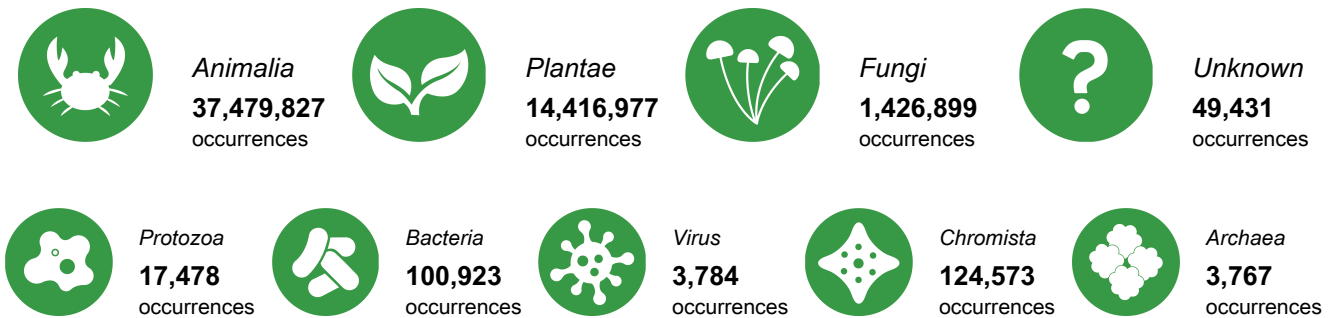
Denmark

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 Denmark. 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.

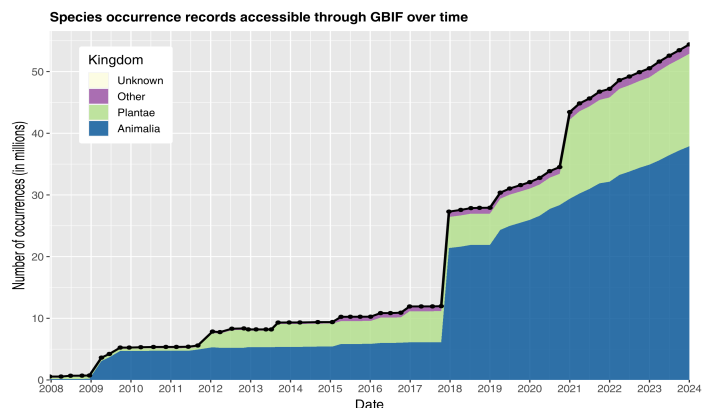
► Access and usage



► Data availability in Denmark



► Data mobilization

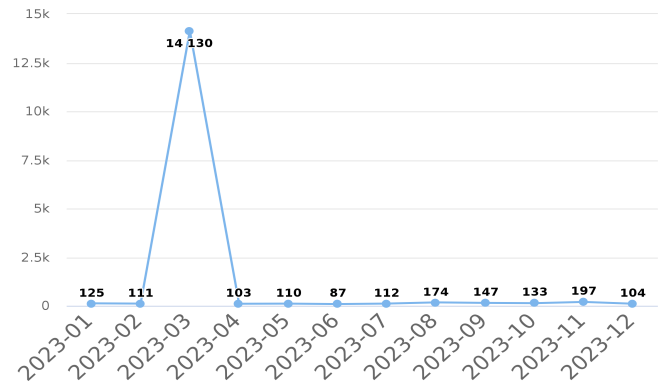
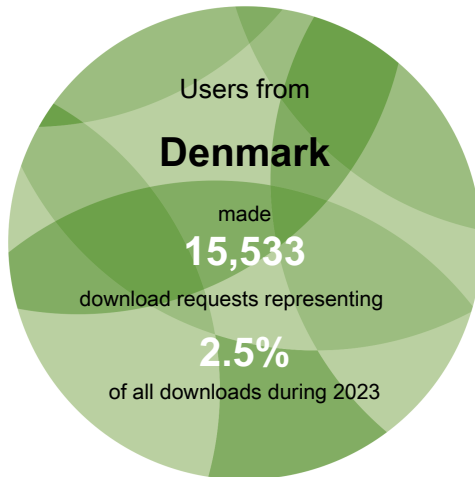


Number of records published by institutions in Denmark, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Denmark



Monthly downloads requested by users in Denmark

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

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 Denmark.

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

Silva, Solís Neffa, Zuquim *et al.* (2023) Biogeography and environmental preferences of *Butia yatay* (Mart.) Becc. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.10749>

Thyrring, Harley. (2023) Marine latitudinal diversity gradients are generally absent in intertidal ecosystems. *Ecology*.
<https://doi.org/10.1002/ecy.4205>

Moore, Morales-Castilla, Hargreaves *et al.* (2023) Temperate species underfill their tropical thermal potentials on land. *Nature Ecology & Evolution*.
<https://doi.org/10.1038/s41559-023-02239-x>

Guo, Serra-Diaz, Eiserhardt *et al.* (2023) Climate change and land use threaten global hotspots of phylogenetic endemism for trees. *Nature Communications*.
<https://doi.org/10.1038/s41467-023-42671-y>

Ahmed, Chala, Kufa *et al.* (2023) Potential changes in the extent of suitable habitats for geladas (*Theropithecus gelada*) in the Anthropocene. *BMC Ecology and Evolution*.
<https://doi.org/10.1186/s12862-023-02173-3>

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



Data availability

Total data available for selected taxonomic groups in Denmark



Mammals
489,012
occurrences



Birds
33,423,032
occurrences



Bony fish
81,302
occurrences



Amphibians
126,075
occurrences



Insects
3,033,570
occurrences



Reptiles
27,970
occurrences



Molluscs
68,254
occurrences



Arachnids
56,636
occurrences



Flowering plants
12,899,981
occurrences



Ferns
317,466
occurrences



Gymnosperms
178,710
occurrences



Mosses
912,188
occurrences



Sac fungi
382,904
occurrences



Basidiomycota
1,021,187
occurrences

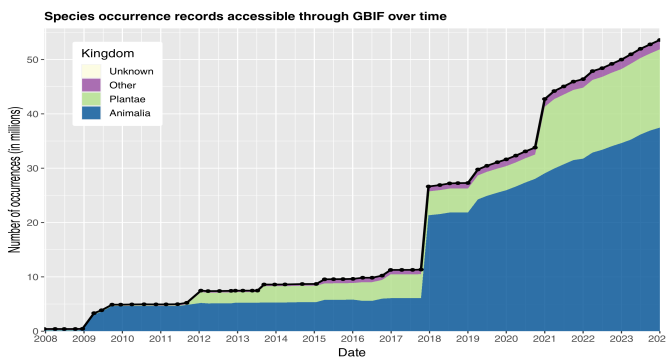
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

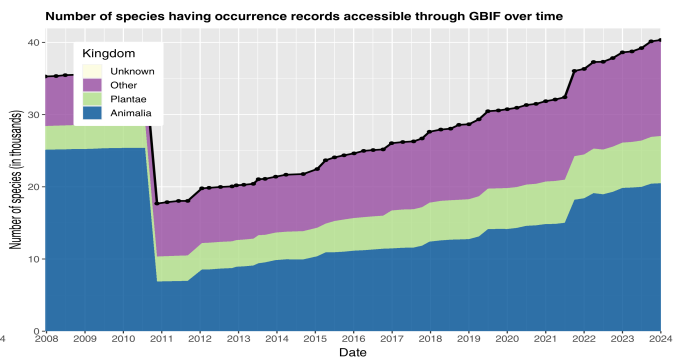
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Denmark



Occurrence records available about species occurring in Denmark



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

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 Denmark

NHMD Quaternary Zoology Collection. *Published by Natural History Museum of Denmark*
<https://doi.org/10.15468/7fg79e>

Game observations from the Danish Hunters' Association (Danmarks Jægerforbund). *Published by Danmarks Jægerforbund / Danish Hunters' Association*
<https://doi.org/10.15468/azxur5>

Harmful Algal Event Database (HAEDAT). *Published by IOC Harmful Algal Bloom Programme*
<https://doi.org/10.25607/0wdrmq>

Nature monitoring data, Amphi Consult and Biomedica, Denmark. *Published by Danish Biodiversity Information Facility*
<https://doi.org/10.15468/92c8yj>

Biological Society of Northwest Jutland, field observations, Denmark. *Published by Danish Biodiversity Information Facility*
<https://doi.org/10.15468/5dj7xh>

Beetle (Coleoptera) diversity in the largest reed bed in Scandinavia - Data from Master Thesis. *Published by Danish Biodiversity Information Facility*
<https://doi.org/10.15468/znhpwc>

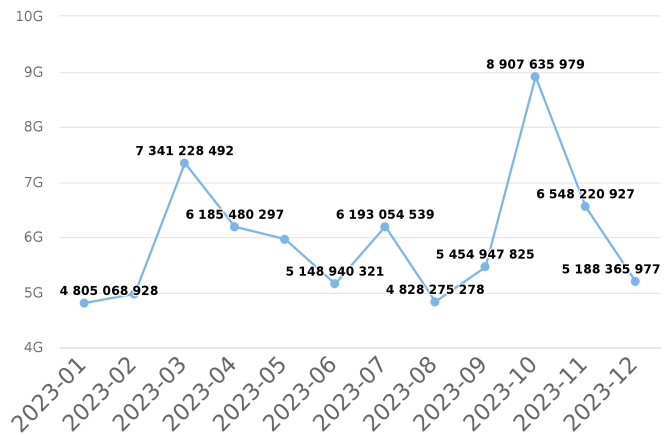
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=DK

Newest publishers from Denmark

- Danmarks Jægerforbund / Danish Hunters' Association
- Natural History Museum Aarhus
- IOC Harmful Algal Bloom Programme
- Aage V. Jensen Nature Foundation
- Miljøstyrelsen / The Danish Environmental Protection Agency

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

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

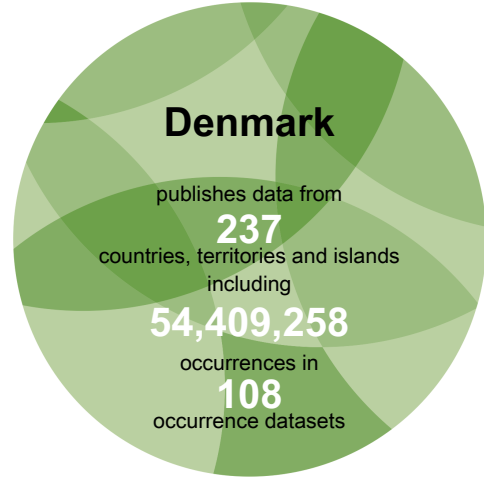
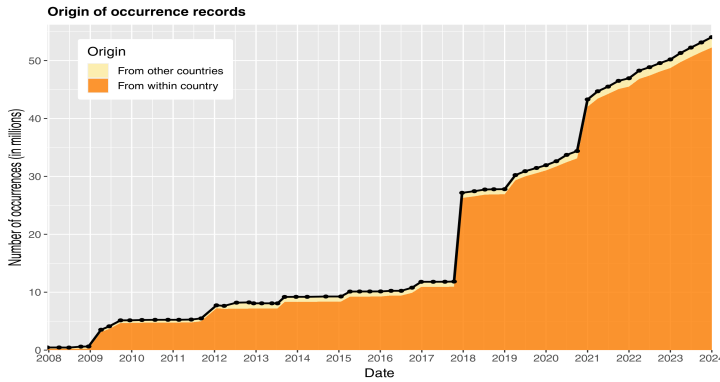


Number of occurrence records downloaded via GBIF.org published by institutions in Denmark



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Denmark

Rank	Country or area	No. of occurrences
1	Denmark	52,274,833
2	United States of America	501,581
3	United Kingdom	264,859
4	Sweden	110,799
5	Belgium	85,716
6	Netherlands	85,617
7	Germany	68,659
8	France	56,020
9	Estonia	47,711
10	Finland	41,113

Top datasets contributing data about Denmark

- DOF/BirdLife Denmark - Observations from DOFbasen. *32,111,851 occurrences in Denmark.* (Last updated 29 Dec 2023)
- The Danish Environmental Portal, species and habitats-database "Danmarks Miljøportals Naturdatabase". *13,435,103 occurrences in Denmark.* (Last updated 18 Feb 2021)
- Bugbase, Lepidopterological Society. *1,738,546 occurrences in Denmark.* (Last updated 20 Feb 2023)
- Danish Mycological Society, fungal records database. *1,109,809 occurrences in Denmark.* (Last updated 19 Dec 2023)
- Atlas Flora Danica. *933,208 occurrences in Denmark.* (Last updated 31 May 2023)

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

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



Denmark participates in the following projects coordinated by GBIF

European training hackathon on species checklists using GBIF data

Capacity Enhancement Support Programme, 2014–2015

This regional collaboration supports a hackathon for European nodes, aiming to enhance their capacity to produce national checklists.

<https://www.gbif.org/project/82221>

See all GBIF projects
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)