

generated January 2025

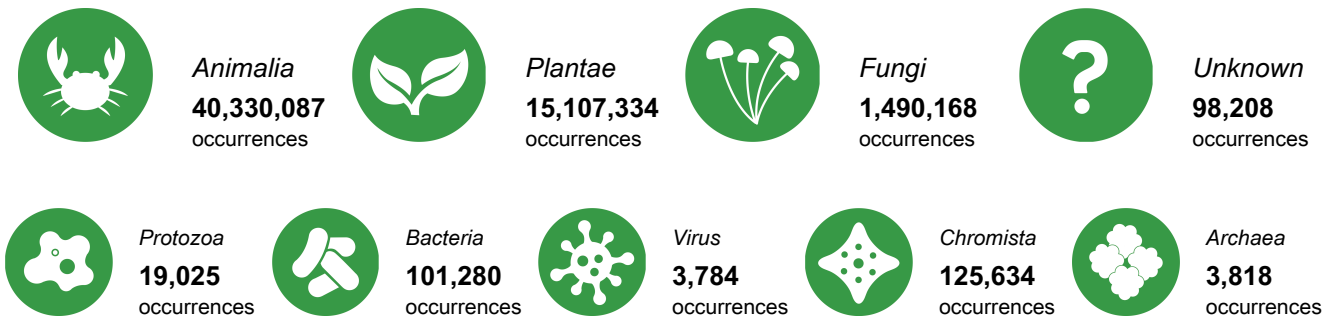
Denmark

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.

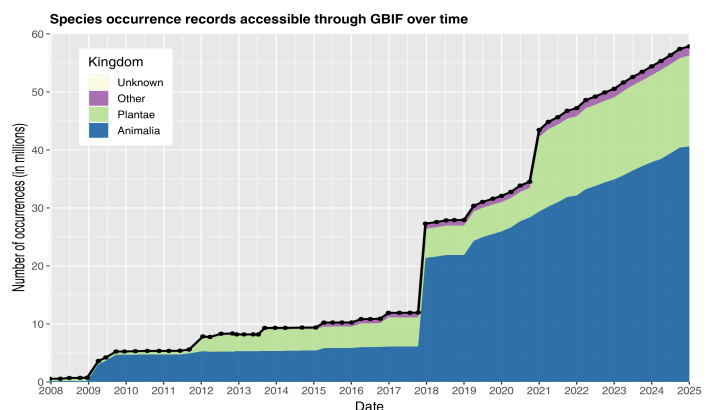
► Access and usage



► Data availability in Denmark



► Data mobilization

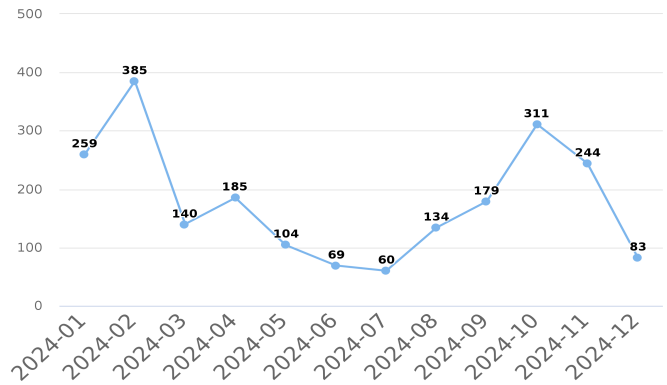
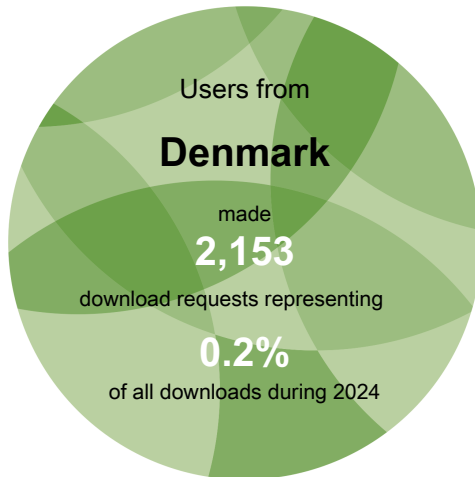


Number of records published by institutions in Denmark, categorized by kingdom



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.

Jain, Cunha, Bunsen *et al.* (2024) Insect Identification in the Wild: The AMI Dataset. *Lecture Notes in Computer Science, Computer Vision – ECCV 2024*.

https://doi.org/10.1007/978-3-031-72913-3_4

Christiansen, Ehrlén, Hylander. (2024) Competitive interactions modify the direct effects of climate. *Ecography*.

<https://doi.org/10.1111/ecog.07322>

Garrido Zornoza, Caminade, Tompkins. (2024) The effect of climate change and temperature extremes on *Aedes albopictus* populations: a regional case study for Italy. *Journal of The Royal Society Interface*.

<https://doi.org/10.1098/rsif.2024.0319>

Tushabe, Rosbakh. (2024) Patterns and Drivers of Pollen Temperature Tolerance. *Plant, Cell & Environment*.

<https://doi.org/10.1111/pce.15207>

Pang, Slik, Chisholm *et al.* (2024) Conserving Southeast Asian trees requires mitigating both climate and land-use change. *Nature Sustainability*.

<https://doi.org/10.1038/s41893-024-01417-4>

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
555,071
occurrences



Birds
35,629,338
occurrences



Bony fish
134,023
occurrences



Amphibians
137,025
occurrences



Insects
3,463,518
occurrences



Reptiles
31,988
occurrences



Molluscs
92,460
occurrences



Arachnids
75,795
occurrences



Flowering plants
13,508,511
occurrences



Ferns
332,990
occurrences



Gymnosperms
187,798
occurrences



Mosses
962,144
occurrences



Sac fungi
407,085
occurrences



Basidiomycota
1,059,816
occurrences

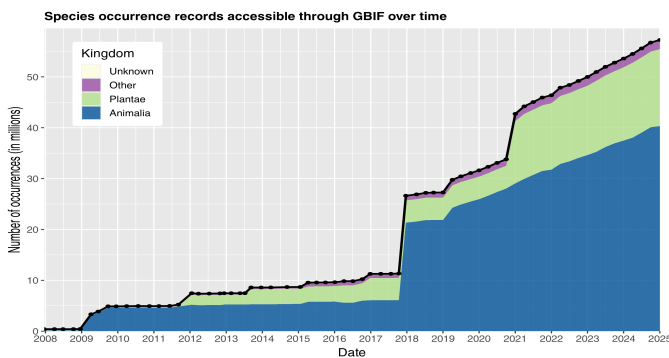
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

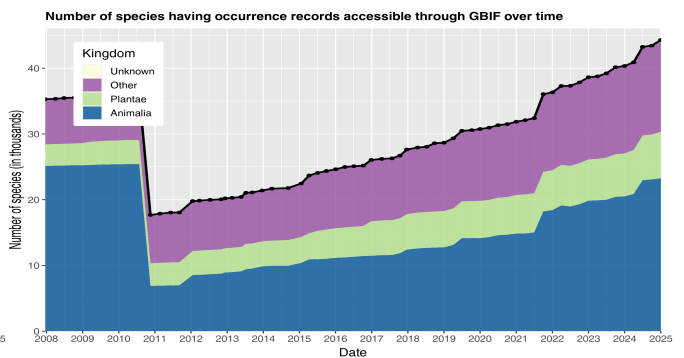
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Survey of crop wild relative plant species in Denmark. *Published by Ecoinformatics & Biodiversity, Department of Biology, Aarhus University*
<https://doi.org/10.15468/c552z7>

Bat observations from 2023 project on the islands Mors and Fur, Northwest Jutland, Denmark. *Published by Danish Biodiversity Information Facility*
<https://doi.org/10.15468/yp38sh>

Bat observations from 2019-2021 project in National Park Thy, Northwest Jutland, Denmark. *Published by Danish Biodiversity Information Facility*
<https://doi.org/10.15468/fdjwqu>

Dataset of Danish Species of the Rove Beetle Genus *Philonthus* (Staphylinidae). *Published by Natural History Museum of Denmark*
<https://doi.org/10.15468/f4mpba>

Insektmobilen - National citizen science and DNA metabarcoding survey of flying insects in June 2018 and 2019. *Published by Natural History Museum of Denmark*
<https://doi.org/10.15468/m48e3e>

Camera trap study on Danish Elusive mustelids. *Published by Natural History Museum of Denmark*
<https://doi.org/10.15468/effnsb>

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

Newest publishers from Denmark

Hempel Foundation

Ecoinformatics & Biodiversity, Department of Biology, Aarhus University

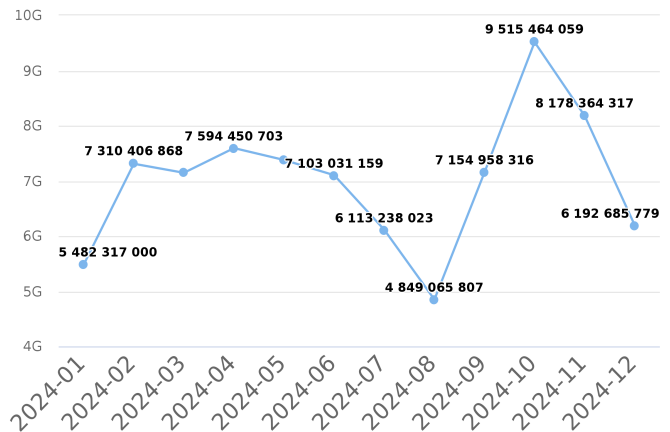
Danmarks Jægerforbund / Danish Hunters' Association

Natural History Museum Aarhus

IOC Harmful Algal Bloom Programme

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

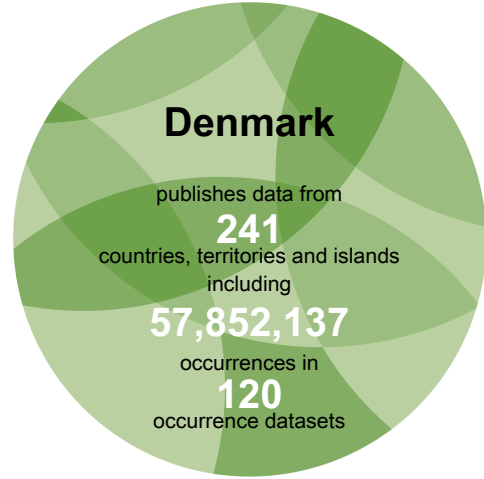
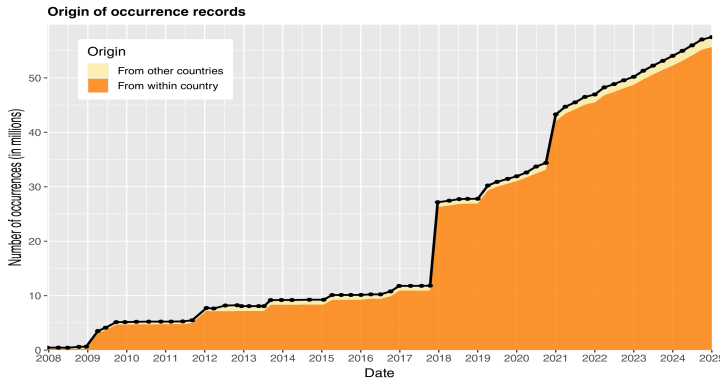


Number of occurrence records downloaded via GBIF.org published by institutions in Denmark



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	55,654,370
2	United States of America	635,218
3	United Kingdom	267,024
4	Sweden	131,543
5	Netherlands	123,930
6	Belgium	106,188
7	Germany	69,164
8	France	57,811
9	Poland	51,135
10	Estonia	47,855

Top datasets contributing data about Denmark

- DOF/BirdLife Denmark - Observations from DOFbasen. *34,077,388 occurrences in Denmark.* (Last updated 25 Oct 2024)
- Danish government nature monitoring portal "Danmarks Miljøportals Naturdatabase. *13,979,696 occurrences in Denmark.* (Last updated 26 Nov 2024)
- Bugbase, Lepidopterological Society. *1,738,546 occurrences in Denmark.* (Last updated 20 Feb 2023)
- Danish Mycological Society, fungal records database. *1,150,380 occurrences in Denmark.* (Last updated 16 Sep 2024)
- 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)