

generated January 2025

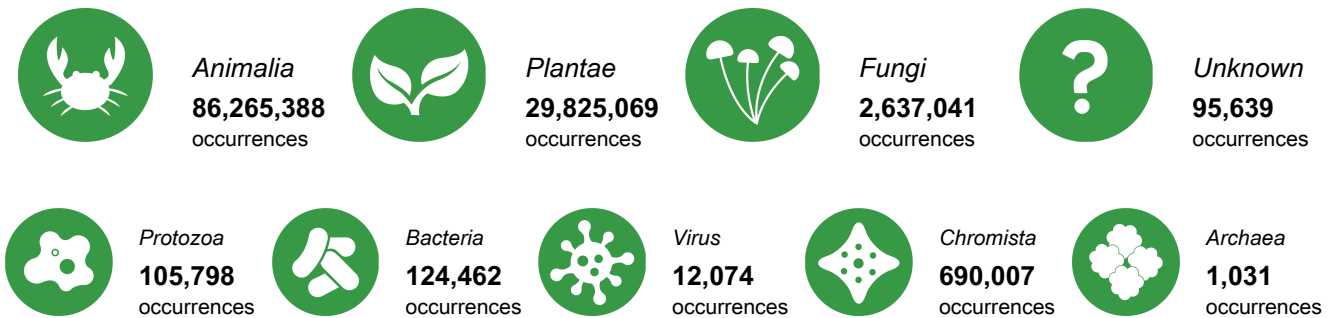
Netherlands

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 Netherlands. 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.

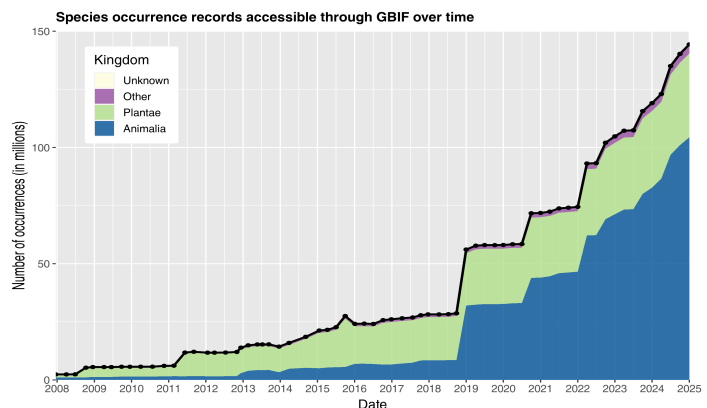
► Access and usage



► Data availability in Netherlands



► Data mobilization

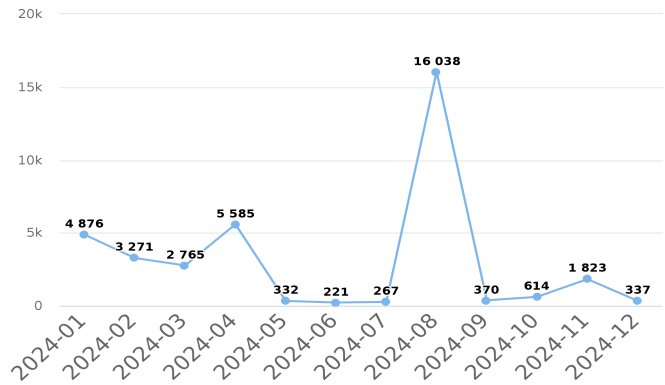
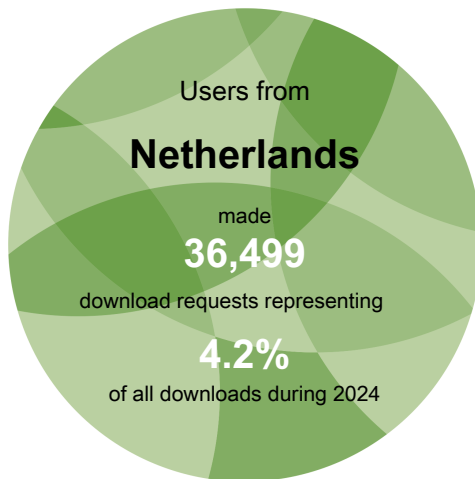


Number of records published by institutions in Netherlands, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Netherlands



Monthly downloads requested by users in Netherlands

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

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 Netherlands.

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

Chowdhury, Cardillo, Chapman *et al.* (2024) Protected area coverage of the full annual cycle of migratory butterflies. *Conservation Biology*.
<https://doi.org/10.1111/cobi.14423>

Deshpande, Haukka, Rönkä *et al.* (2024) How, why, where and when people feed birds?—Spatio-temporal changes in bird-feeding in Finland. *People and Nature*.
<https://doi.org/10.1002/pan3.10745>

Ramos-Muñoz, Castellanos, Blanco-Sánchez *et al.* (2024) Drivers of phenotypic variation and plasticity to drought in populations of a Mediterranean shrub along an environmental gradient. *Environmental and Experimental Botany*.
<https://doi.org/10.1016/j.envexpbot.2024.106011>

Messmer, Eckert, Torre-Marin Rando *et al.* (2024) Major distribution shifts are projected for key rangeland grasses under a high-emission scenario in East Africa at the end of the 21st century. *Communications Earth & Environment*.
<https://doi.org/10.1038/s43247-024-01731-x>

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*.

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



Data availability

Total data available for selected taxonomic groups in Netherlands



Mammals
3,077,821
occurrences



Birds
54,815,072
occurrences



Bony fish
1,497,652
occurrences



Amphibians
532,856
occurrences



Insects
23,317,164
occurrences



Reptiles
241,867
occurrences



Molluscs
927,386
occurrences



Arachnids
782,042
occurrences



Flowering plants
27,533,648
occurrences



Ferns
620,620
occurrences



Gymnosperms
141,721
occurrences



Mosses
946,006
occurrences



Sac fungi
1,034,913
occurrences



Basidiomycota
1,586,155
occurrences

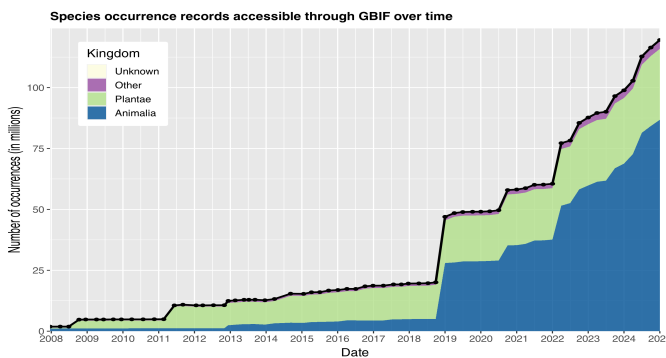
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

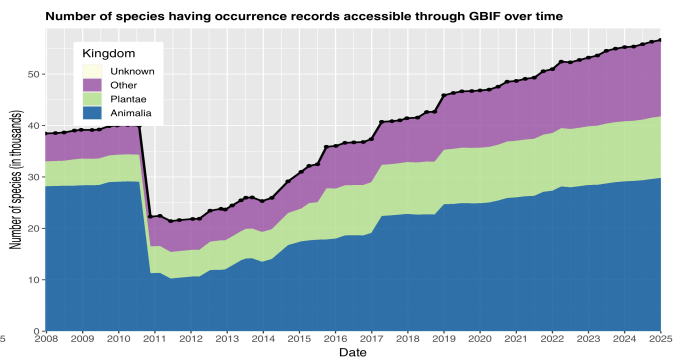
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Netherlands



Occurrence records available about species occurring in Netherlands



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

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 Netherlands

Dutch angler catches 1994-2024. *Published by Vangstenregistratie.nl*
<https://doi.org/10.15468/4jkwnw>

Dataset of diatoms in Dutch moorland pools: 1916 - 2022. *Published by Stichting Bargerveen*
<https://doi.org/10.15468/vjuzpu>

Specimen data of Stigmella species (Lepicoptera, Nepticulidae) feeding on Torminalis glaberrima (Rosaceae). *Published by Naturalis Biodiversity Center*
<https://doi.org/10.15468/hde44g>

Floristic literature of the Netherlands. *Published by FLORON Plant Conservation Netherlands*
<https://doi.org/10.15468/fh85v8>

Floristic collections of the Netherlands. *Published by FLORON Plant Conservation Netherlands*
<https://doi.org/10.15468/mr67xm>

York University Phenology Project - ITS2, library #2, >0.99 barcode matches. *Published by Naturalis Biodiversity Center*
<https://doi.org/10.15468/v2qaen>

SWG Coastal and marine invertebrate observations. *Published by Strandwerkgemeenschap*
<https://doi.org/10.15468/72c3wq>

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

Newest publishers from Netherlands

Strandwerkgemeenschap

Vangstenregistratie.nl

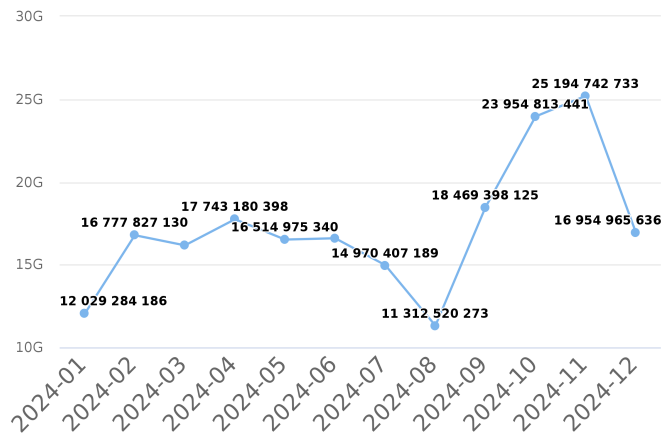
Stichting Bargerveen

Stadhuismuseum Zierikzee

Stichting Calidris

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

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

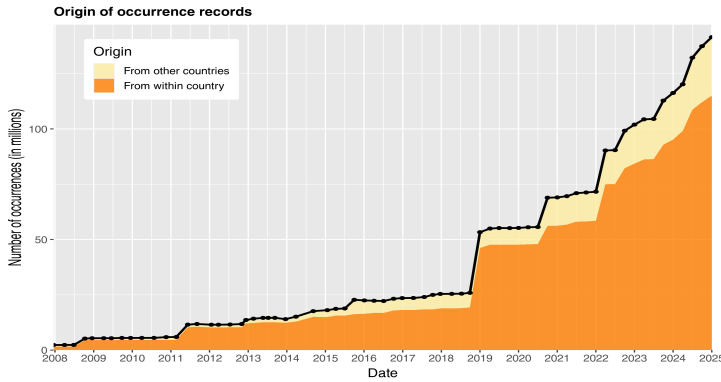


Number of occurrence records downloaded via GBIF.org published by institutions in Netherlands



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Netherlands

Rank	Country or area	No. of occurrences
1	Netherlands	115,824,059
2	Belgium	2,330,803
3	France	568,698
4	United States of America	454,354
5	United Kingdom	291,482
6	Germany	135,540
7	International organization or unknown country	26,126
8	Colombia	24,519
9	Finland	23,919
10	Spain	19,007

Top datasets contributing data about Netherlands

- Observation.org, Nature data from around the World. *85,361,191 occurrences in Netherlands.* (Last updated 3 Jan 2025)
- Dutch Vegetation Database. *11,987,804 occurrences in Netherlands.* (Last updated 10 Sep 2018)
- Vogeltrekstation (NL) - Longterm data on biometrics of ringed birds. *3,851,173 occurrences in Netherlands.* (Last updated 7 Jan 2024)
- Dutch Foundation for Applied Water Research (STOWA) - Limnodata Neerlandica. *3,323,303 occurrences in Netherlands.* (Last updated 15 Mar 2022)
- FLORIVON. *2,612,821 occurrences in Netherlands.* (Last updated 20 Oct 2024)

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

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



Netherlands 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>

Mobilizing Indonesian butterfly collections at the Museum Zoologi Bogor (II)

BIFA: Biodiversity Information Fund for Asia, 2020–2021

This project aims to build on a successful first phase to digitize and mobilize additional Lepidoptera specimen data from one of the region's most important collections

<https://www.gbif.org/project/3juOTO9Gd36Ck25s0HrWVZ>

Digitizing Odonata species of southern Nigeria

BID: Biodiversity Information for Development, 2017–2019

A number of studies have been done on diversity, banking and DNA barcoding of odonates in southern Nigeria however, data collation on Odonata in Nigeria as a whole is unavailable. It is therefore important to compile this record for ease of access. The broader impact of the research would include capacity building for postgraduate students as well as conservationists, as well as availability of species records in relevant databases i.e. GBIF

<https://www.gbif.org/project/5M3TP8VrR6YcmQUC0S8WkU>

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