GBIF Global Biodiversity Information Facility

Activity report

generated January 2024

Norway

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 Norway. 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

Researchers from

Norway

contributed to

35

peer-reviewed articles citing GBIF use during 2023 and a total of

239

articles since 2008

▸ Data availability in Norway

Animalia
38,094,970
occurrences

Plantae
8,234,526
occurrences

Fungi
1,985,359
occurrences

Unknown
181,629
occurrences

Protozoa
31,558
occurrences

Bacteria
79,040
occurrences

Virus
1,901
occurrences

Chromista
392,460
occurrences

Archaea
1,084
occurrences

▸ Data mobilization

Institutions from

Norway

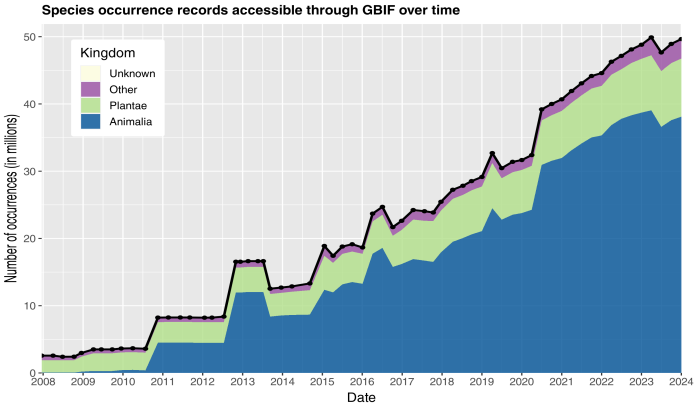
published

841,751

new occurrence records during 2023 out of a total of

355,993,458

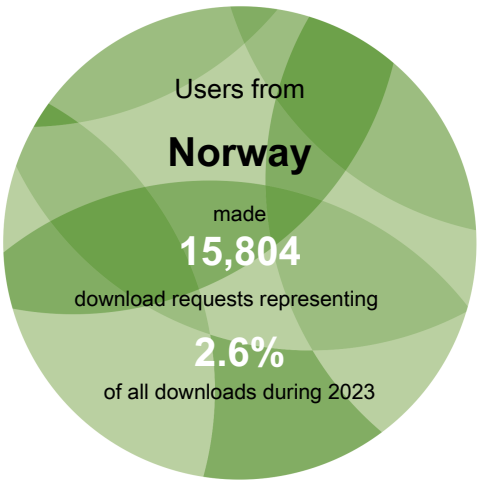
occurrence records added globally to GBIF.org

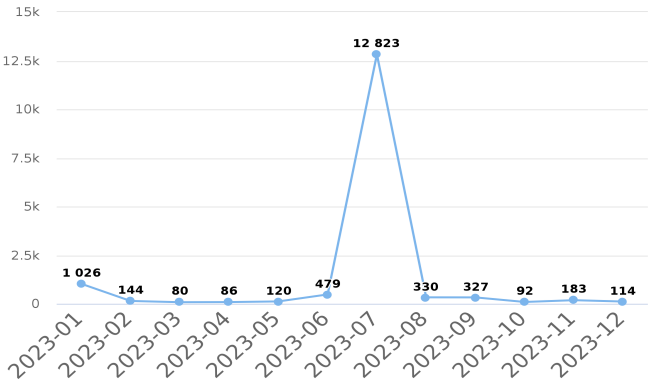


Number of records published by institutions in Norway, categorized by kingdom

Access and usage

Data downloads on GBIF.org from users in Norway





Monthly downloads requested by users in Norway

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

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 Norway.

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

Domahovski, Alasmar, Cavichioli *et al.* (2023) First record and description of the female genitalia of Palingonalia subta Freytag &; Vargas, 2007 (Hemiptera, Cicadellidae, Cicadellini) from Amazonas state, Brazil, and distribution map for the genus. *Check List.* https://doi.org/10.15560/19.6.965

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

Hostens, Van Meerbeek, Wiegmans *et al.* (2023) The drivers of dark diversity in the Scandinavian mountains are metric-dependent. *Journal of Vegetation Science.* https://doi.org/10.1111/jvs.13212

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

Birhane, Gidey, Abrha *et al.* (2023) Impact of land-use and climate change on the population structure and distribution range of the rare and endangered Dracaena ombet and Dobera glabra in northern Ethiopia. *Journal for Nature Conservation.*

https://doi.org/10.1016/j.jnc.2023.126506

Data availability

Total data available for selected taxonomic groups in Norway

Mammals
460,219
occurrences

Birds
28,837,219
occurrences

Bony fish
465,419
occurrences

Amphibians
31,123
occurrences

Insects
4,051,594
occurrences

Reptiles
18,383
occurrences

Molluscs
841,447
occurrences

Arachnids
137,540
occurrences

Flowering plants
6,852,236
occurrences

Ferns
372,734
occurrences

Gymnosperms
176,025
occurrences

Mosses
522,513
occurrences

Sac fungi
956,083
occurrences

Basidiomycota
996,904
occurrences

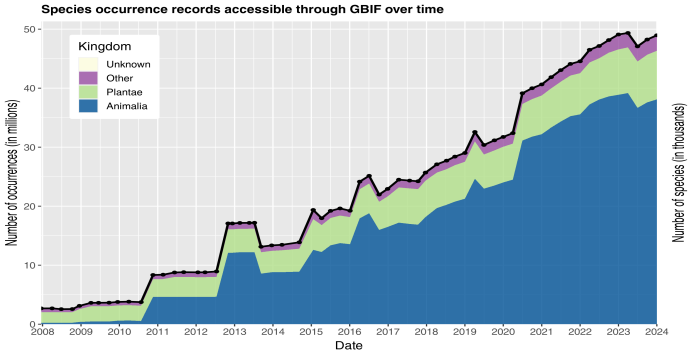
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass *Osteichthyes* p.p.
Amphibians = Class *Amphibia*

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

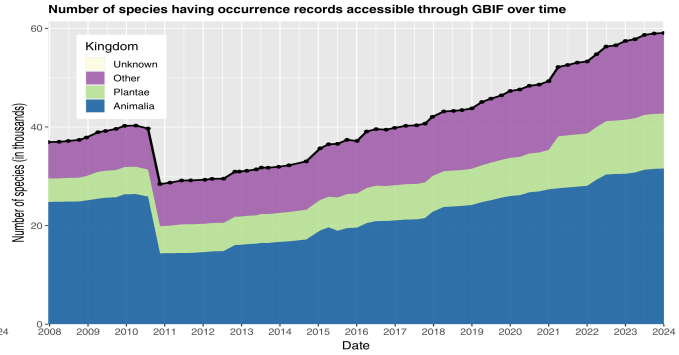
Arachnids = Class *Arachnida*
Flowering plants = Phylum *Magnoliophyta*
Gymnosperms = Superclass *Gymnospermae*

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

Change over time in records about biodiversity in Norway



Occurrence records available about species occurring in Norway



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

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 Norway

Mapping of Scrobipalpa reiprichi - Plants. *Published by Norwegian Institute for Nature Research*
https://doi.org/10.15468/udd73h

Monitoring management actions for Dracocephalum ruyschiana. *Published by Norwegian Institute for Nature Research*
https://doi.org/10.15468/ub34jj

Monitoring of Herminium monorchis. *Published by Norwegian Institute for Nature Research*
https://doi.org/10.15468/rt6t88

Artsprosjekt_4-20_Archaeorhizomycetes. *Published by UiO Department of Biosciences*
https://doi.org/10.15468/8q2au6

Regulation effect in river Nea. *Published by Norwegian Institute for Nature Research*
https://doi.org/10.15468/c9rsg7

Mesozooplankton abundance, biomass and copepod secondary production at the Barents Sea polar front, June 2011. *Published by UiT The Arctic University of Norway*
https://doi.org/10.15468/vhj6jj

Historical peatland data extracted from Myrselskap reports. *Published by Norwegian Institute for Nature Research*
https://doi.org/10.15468/g753zh

See all datasets from this country or area: gbif.org/dataset/search?publishing_country=NO

Newest publishers from Norway

Equinor

The Nansen Legacy Project

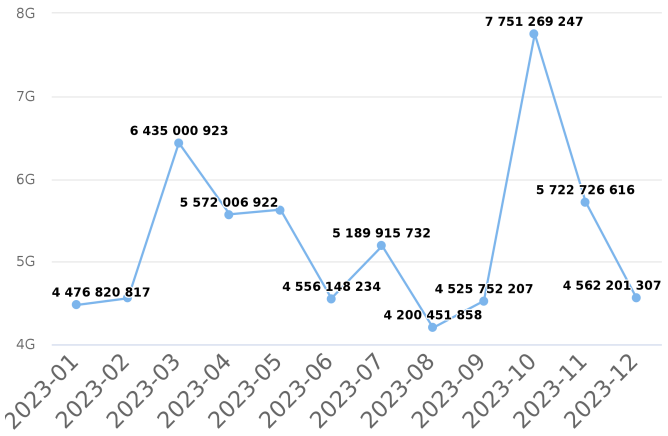
BIOREHAB KLEPSLAND

Akvaplan-niva

DNV

See all publishers from this country or area gbif.org/publisher/search?country=NO

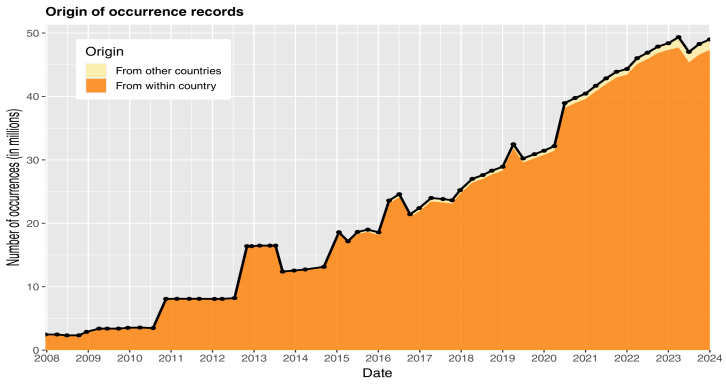
Occurrence records downloaded from GBIF.org, published by institutions in Norway



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

Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Norway

Rank	Country or area	No. of occurrences
1	Norway	47,368,016
2	United Kingdom	320,962
3	United States of America	227,859
4	Estonia	220,670
5	Sweden	208,480
6	Netherlands	201,359
7	International organization or unknown country	104,665
8	Germany	95,975
9	Belgium	82,448
10	France	55,022

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

Top datasets contributing data about Norway

Norwegian Species Observation Service. *31,020,179 occurrences in Norway.* (Last updated 26 Dec 2023)

Norwegian Biodiversity Information Centre - Other datasets. *2,962,169 occurrences in Norway.* (Last updated 26 Dec 2023)

Environmental Monitoring database (MOD) DNV. *2,158,601 occurrences in Norway.* (Last updated 9 Aug 2023)

Vascular Plants, Field notes, Oslo (O). *1,218,925 occurrences in Norway.* (Last updated 6 Dec 2019)

EOD – eBird Observation Dataset. *1,115,437 occurrences in Norway.* (Last updated 20 Aug 2023)

See all contributing countries and areas or datasets: gbif.org/country/NO/about

Norway participates in the following projects coordinated by GBIF

GBIF in Central Asia: new aspects of development
Capacity Enhancement Support Programme, 2023–2024
https://www.gbif.org/project/CESP2023-007

Unlocking Slovakia's biodiversity through data publishing
Capacity Enhancement Support Programme, 2023–2024
https://www.gbif.org/project/CESP2023-005

Kick-starting the biodiversity data publication process for Tajikistan
Capacity Enhancement Support Programme, 2022–2023
https://www.gbif.org/project/CESP2022-001

European Bireme: EU Nodes in biodiversity reporting mechanisms
Capacity Enhancement Support Programme, 2017–2018
By detailing national reporting processes and data flows in several European Union member states, this project explored how changes to GBIF tools and procedures could streamline and improve biodiversity reporting across the region.
https://www.gbif.org/project/83336

Mobilizing biodiversity data from ASEAN protected areas
BIFA: Biodiversity Information Fund for Asia, 2016–2016
The goal of this project was to facilitate the mobilization of biodiversity information from ASEAN Heritage Parks - regionally significant protected areas for biodiversity.
https://www.gbif.org/project/82651

See all GBIF projects
gbif.org/resource/search?contentType=project