

generated January 2025

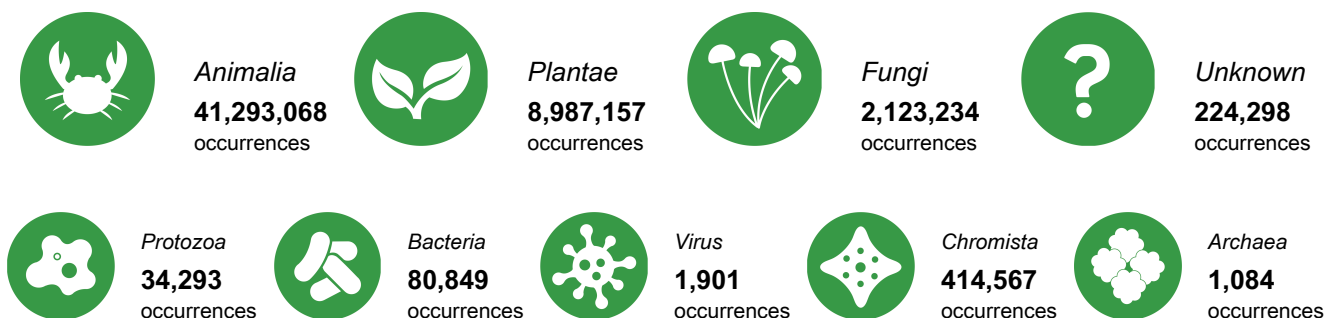
Norway

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.

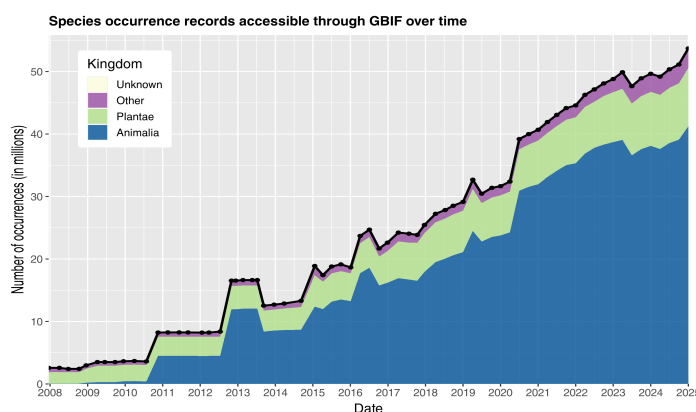
► Access and usage



► Data availability in Norway



► Data mobilization

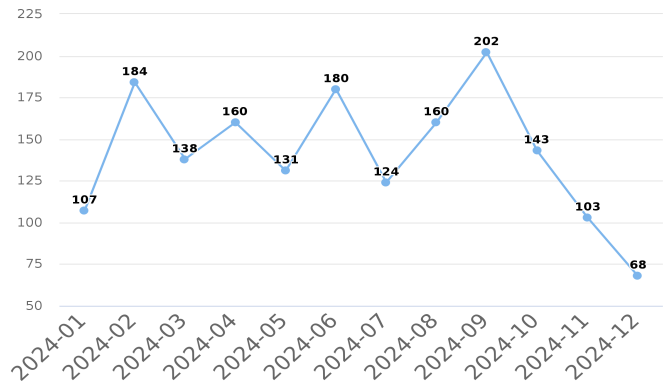
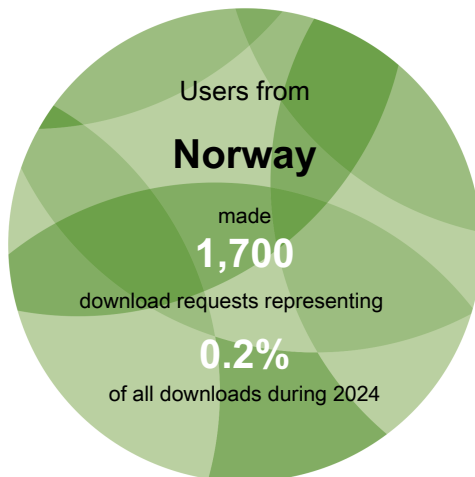


Number of records published by institutions in Norway,
categorized by kingdom



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.

Hackel, Razafimanantsoa, Porcher *et al.* (2024) Heathers (Erica, Ericaceae) of Madagascar: taxonomy, evolution, ecology and uses. *ARPHA Preprints*.
<https://doi.org/10.3897/arphapreprints.e141580>

Waldock, Maire, Albouy *et al.* (2024) Micronutrient levels of global tropical reef fish communities differ from fisheries capture. *People and Nature*.
<https://doi.org/10.1002/pan3.10736>

Wernström. (2024) Selective Breeding Is an Underexplored Route Towards Conservation of the Endangered Noble Crayfish. *Aquatic Conservation: Marine and Freshwater Ecosystems*.
<https://doi.org/10.1002/aqc.70011>

Janc, Dambrine, Lambert *et al.* (2024) Fish distribution shifts due to climate change in the Northeast Atlantic: Using a hierarchical filtering approach on marine-estuarine opportunist species. *Estuarine, Coastal and Shelf Science*.
<https://doi.org/10.1016/j.ecss.2024.109013>

Gross, Duffy, Hovel *et al.* (2024) A Latitudinal Cline in the Taxonomic Structure of Eelgrass Epifaunal Communities is Associated With Plant Genetic Diversity. *Global Ecology and Biogeography*.
<https://doi.org/10.1111/geb.13918>

See all research from this country or area
gbif.org/country/NO/publications/from



Data availability

Total data available for selected taxonomic groups in Norway



Mammals
492,949
occurrences



Birds
30,889,212
occurrences



Bony fish
494,020
occurrences



Amphibians
33,290
occurrences



Insects
4,862,235
occurrences



Reptiles
20,310
occurrences



Molluscs
885,992
occurrences



Arachnids
154,748
occurrences



Flowering plants
7,490,782
occurrences



Ferns
402,140
occurrences



Gymnosperms
200,516
occurrences



Mosses
554,057
occurrences



Sac fungi
1,011,837
occurrences



Basidiomycota
1,078,815
occurrences

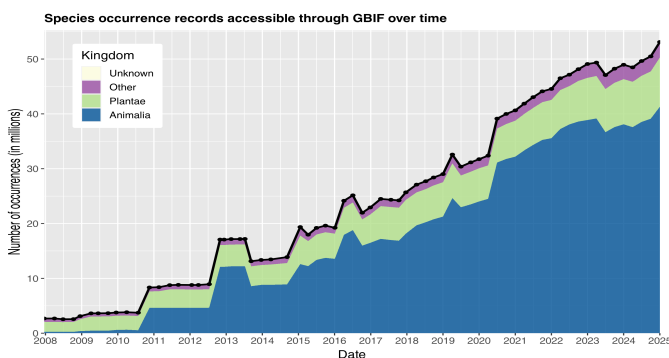
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

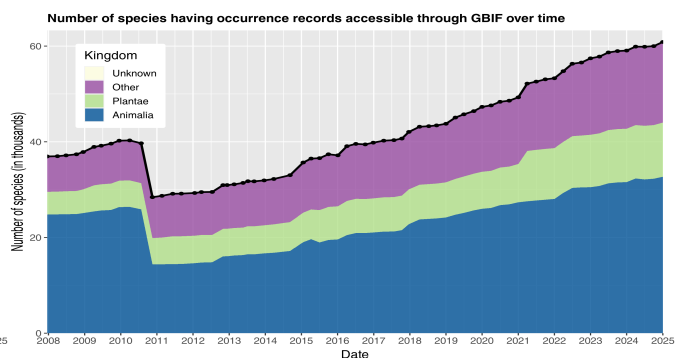
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Arealrepresentativ naturovervåkning (ANO). *Published by Norwegian Environment Agency*

<https://doi.org/10.15468/4wc9r4>

Treeline and Forest line mapping in Norway. *Published by University of Oslo*

<https://doi.org/10.15468/ua2sdc>

Field validation data for vascular plants on the HotSpot project in Norway.. *Published by University of Bergen*

<https://doi.org/10.15468/etvvsz>

Birds and other animals from Fuglevennen.no. *Published by Miljølære.no*

<https://doi.org/10.15468/tzw76a>

Moths and butterflies from Lepidoptera.no. *Published by Miljølære.no*

<https://doi.org/10.15468/hrxadm>

Biodiversity data from Miljolare.no. *Published by Miljølære.no*

<https://doi.org/10.15468/vbh7ar>

Carbon and nitrogen stable isotope values for pelagic and benthic invertebrate fauna from the Nansen and Amundsen Basins from the Nansen Legacy JC2-2 cruise (2021).. *Published by The Nansen Legacy Project*

<https://doi.org/10.15468/x8yqy7>

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

Newest publishers from Norway

Norwegian Environment Agency

Miljølære.no

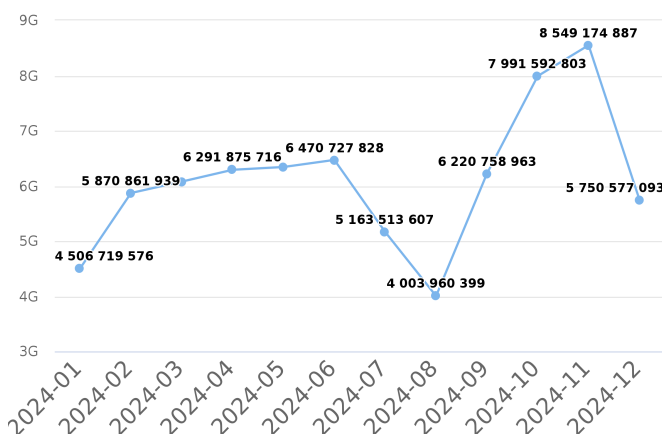
Blåst Spel AS

Equinor

The Nansen Legacy Project

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

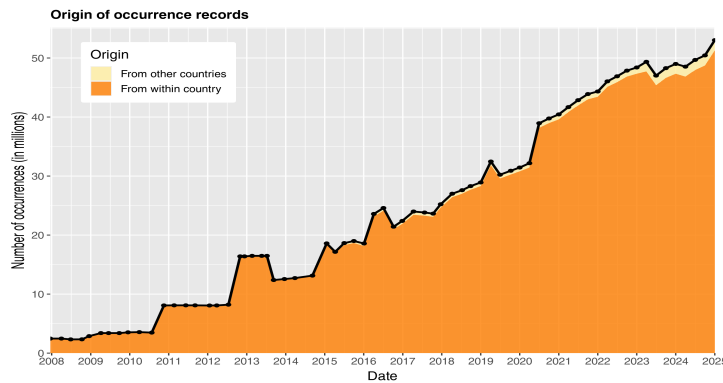
Occurrence records downloaded from GBIF.org, published by institutions in Norway



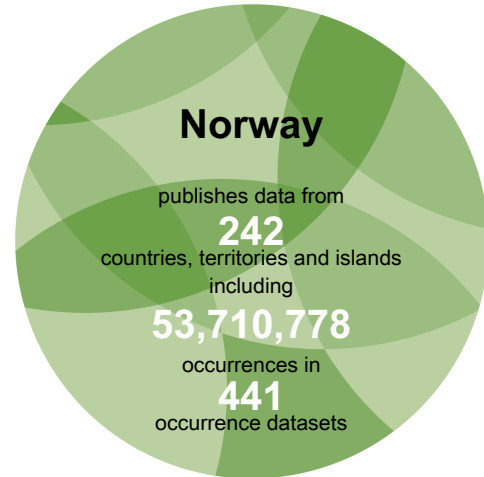
Number of occurrence records downloaded via
GBIF.org published by institutions in Norway

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	51,329,549
2	United Kingdom	327,756
3	United States of America	272,506
4	Netherlands	240,314
5	Sweden	239,423
6	Estonia	221,046
7	International organization or unknown country	129,533
8	Belgium	111,615
9	Germany	86,571
10	Finland	58,969

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

Top datasets contributing data about Norway

Norwegian Species Observation Service. 33,433,567 occurrences in Norway. (Last updated 31 Dec 2024)

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

Norwegian Biodiversity Information Centre - Other datasets. 1,664,294 occurrences in Norway. (Last updated 31 Dec 2024)

EOD – eBird Observation Dataset. 1,439,857 occurrences in Norway. (Last updated 27 Sep 2024)

Birds and other animals from Fuglevennen.no. 1,356,480 occurrences in Norway. (Last updated 6 Jan 2025)

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



Norway participates in the following projects coordinated by GBIF

AI for specimen labels

Capacity Enhancement Support Programme, 2024–2025

<https://www.gbif.org/project/CESP2024-016>

Unlocking Slovakia's biodiversity through data publishing

Capacity Enhancement Support Programme, 2023–2024

<https://www.gbif.org/project/CESP2023-005>

GBIF in Central Asia: new aspects of development

Capacity Enhancement Support Programme, 2023–2024

<https://www.gbif.org/project/CESP2023-007>

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](https://www.gbif.org/resource/search?contentType=project)