



generated January 2025

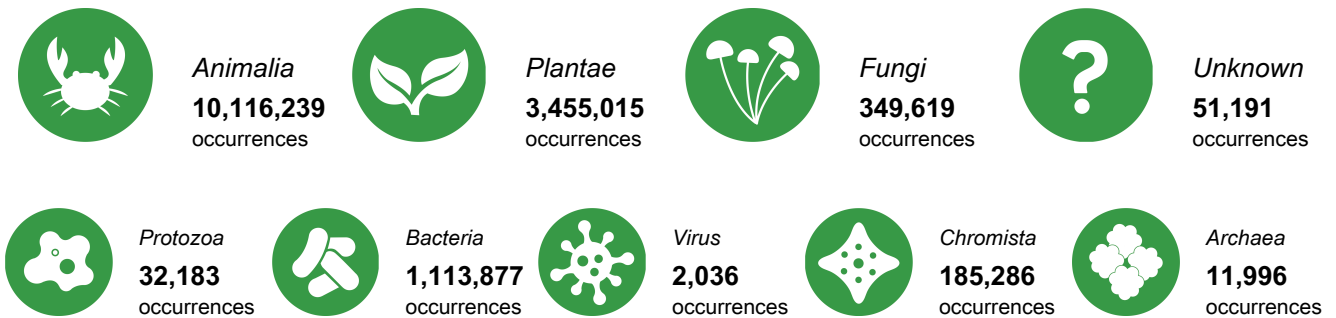
New Zealand

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 New Zealand. 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.

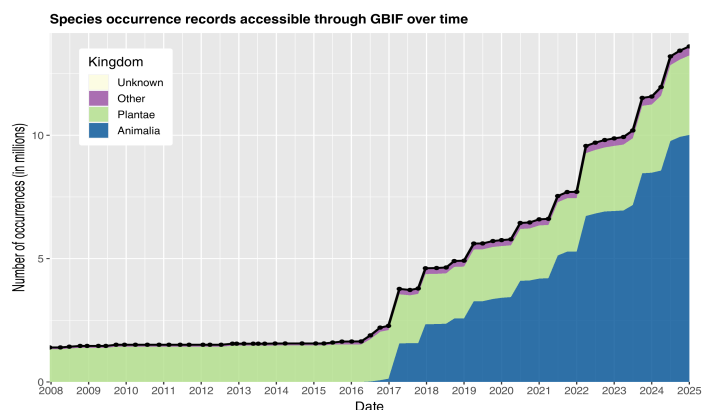
► Access and usage



► Data availability in New Zealand



► Data mobilization

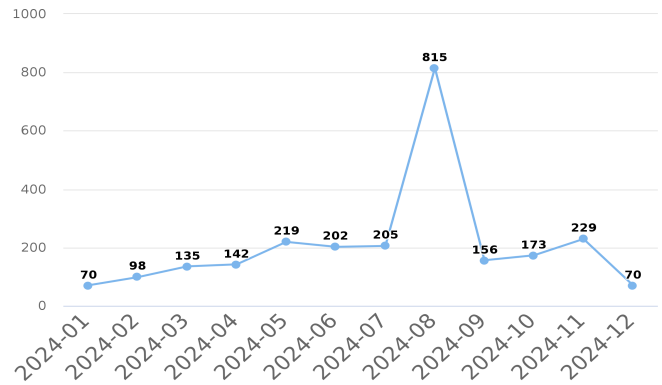
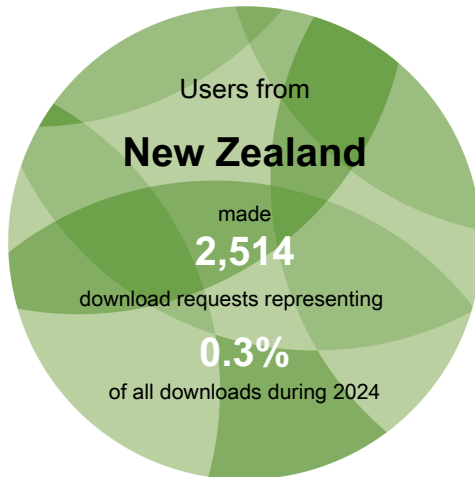


Number of records published by institutions in New Zealand, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in New Zealand



Monthly downloads requested by users in New Zealand

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

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 New Zealand.

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

González-Moreno, Anđelković, Adriaens *et al.* (2024) Citizen science platforms can effectively support early detection of invasive alien species according to species traits. *People and Nature*.

<https://doi.org/10.1002/pan3.10767>

Womersley, Sousa, Humphries *et al.* (2024) Climate-driven global redistribution of an ocean giant predicts increased threat from shipping. *Nature Climate Change*.

<https://doi.org/10.1038/s41558-024-02129-5>

Schlenker, Lee, Reichgelt *et al.* (2024) Do modern climatic niches distinguish extinct and extant plant genera in New Zealand?. *Ecology and Evolution*.

<https://doi.org/10.1002/ece3.70133>

Isitt, Liebhold, Turner *et al.* (2024) □ Asymmetrical insect invasions between three world regions. *NeoBiota*.

<https://doi.org/10.3897/neobiota.90.110942>

Hackett, Sauve, Maia *et al.* (2024) Multi-habitat landscapes are more diverse and stable with improved function. *Nature*.

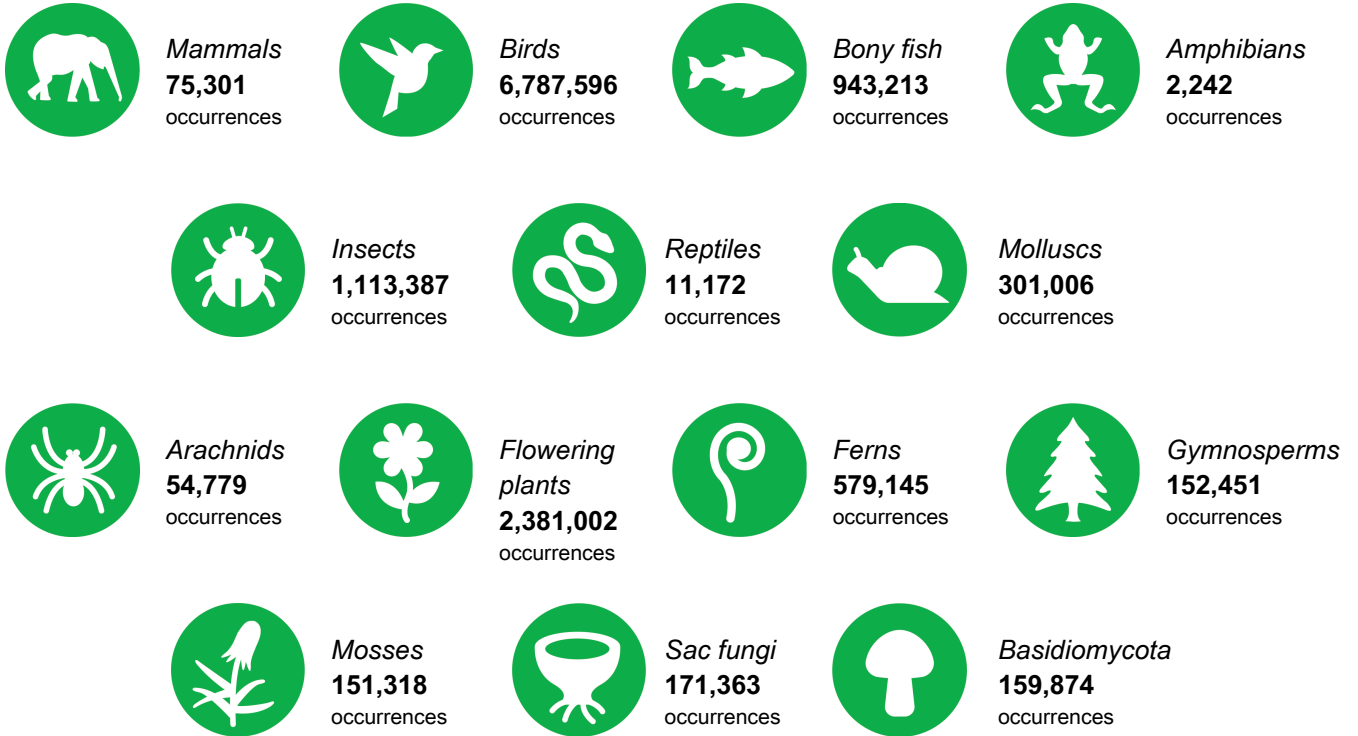
<https://doi.org/10.1038/s41586-024-07825-y>

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



Data availability

Total data available for selected taxonomic groups in New Zealand



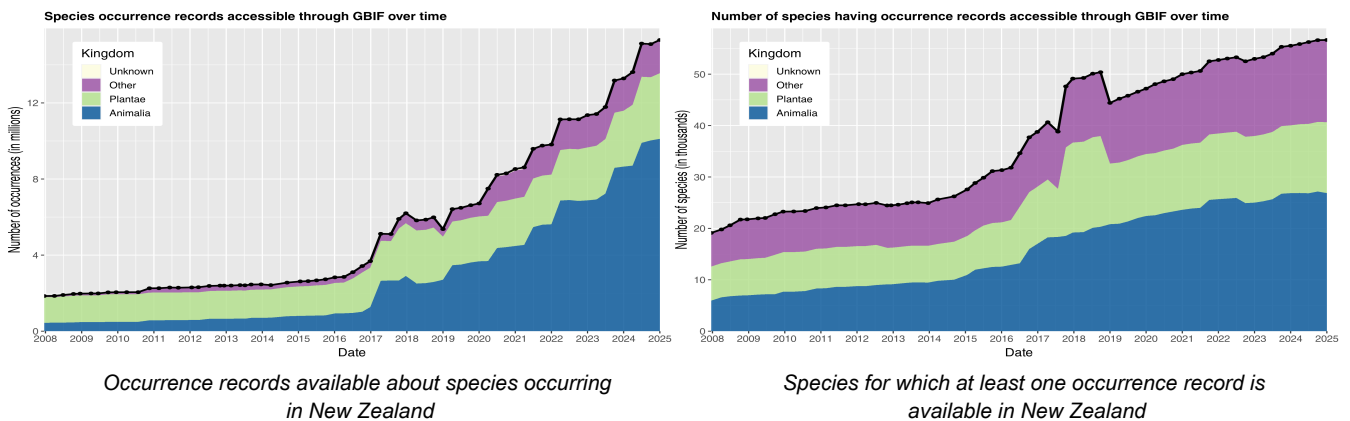
Mammals = Class *Mammalia*
 Birds = Class *Aves*
 Bony fish = Superclass *Osteichthyes* p.p.
 Amphibians = Class *Amphibia*

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 New Zealand



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 New Zealand

Taranaki Regional Council Pukekura Park and Brooklands KNE species occurrence data 2016-2023.

Published by Taranaki Regional Council

<https://doi.org/10.15468/gjbez2>

Nelson City Council avian point-count data, 2015 - 2023. *Published by Nelson City Council*

<https://doi.org/10.15468/5thzsn>

Otago Regional Council lake submerged plant indicators 2020-2024. *Published by Otago Regional Council*

<https://doi.org/10.15468/fn8aeg>

Environment Canterbury Biosecurity Weed and Pest Data on Public Land 2003-2024. *Published by Environment Canterbury*

<https://doi.org/10.15468/44t7t9>

Auckland Council Regional Park Pest Plant Observations 2005-2024. *Published by Auckland Council*

<https://doi.org/10.15468/jhyd4b>

Environment Canterbury Threatened Wetland Plant Occurrences on Public Land. *Published by Environment Canterbury*

<https://doi.org/10.15468/cgtgp8>

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

Newest publishers from New Zealand

Nelson City Council

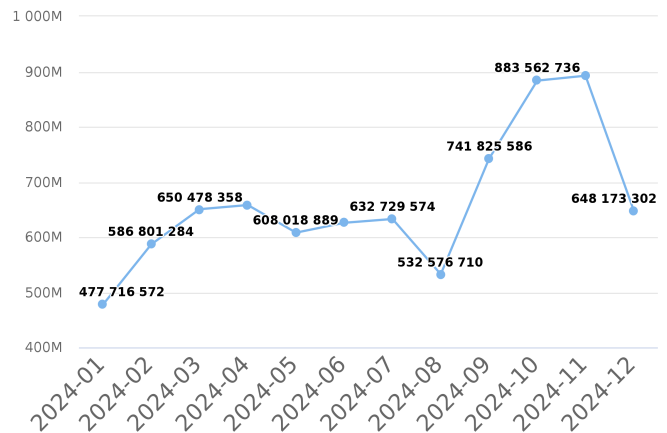
Otago Regional Council

Auckland Council

Taranaki Regional Council

Environment Canterbury

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



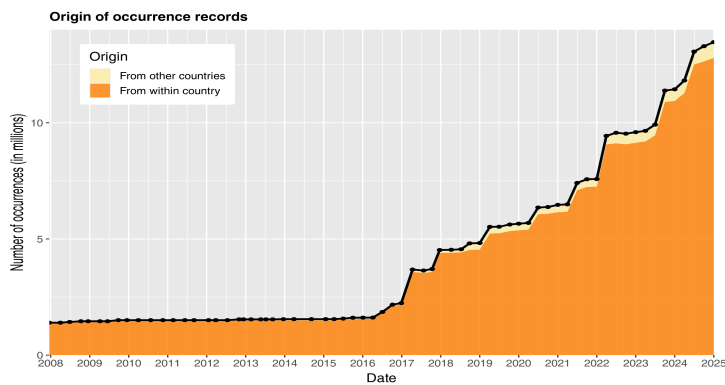
See all publishers from this country or area gbif.org/publisher/search?country=NZ

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

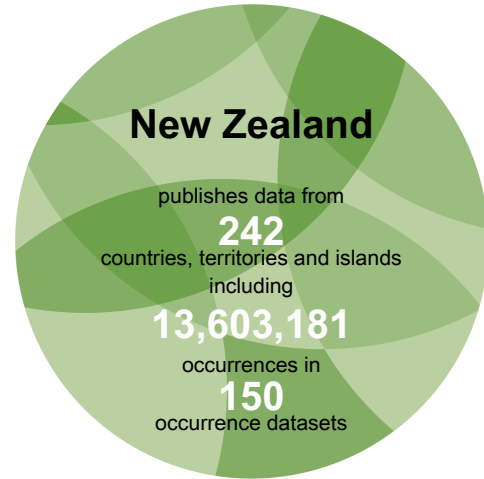


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in New Zealand

Rank	Country or area	No. of occurrences
1	New Zealand	12,790,730
2	United Kingdom	1,297,581
3	United States of America	688,279
4	Australia	184,708
5	International organization or unknown country	89,735
6	Germany	56,027
7	Estonia	52,365
8	Netherlands	41,402
9	Sweden	23,455
10	Canada	22,958

Table 1. Ranking of countries or areas contributing data about New Zealand

Top datasets contributing data about New Zealand

- EOD – eBird Observation Dataset. *6,227,874 occurrences in New Zealand.* (Last updated 27 Sep 2024)
- iNaturalist Research-grade Observations. *1,607,467 occurrences in New Zealand.* (Last updated 30 Dec 2024)
- NZ National Vegetation Survey occurrence data. *1,578,543 occurrences in New Zealand.* (Last updated 13 Dec 2024)
- New Zealand fish and squid distributions from research bottom trawls 1964-2008. *488,166 occurrences in New Zealand.* (Last updated 14 Feb 2020)
- New Zealand research tagging database. *405,406 occurrences in New Zealand.* (Last updated 8 Aug 2018)

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