

generated January 2025

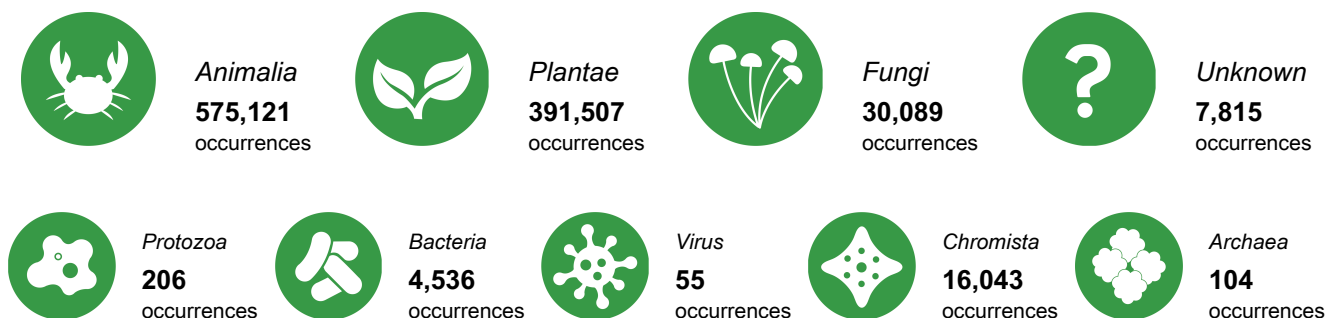
New Caledonia

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 Caledonia. 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.

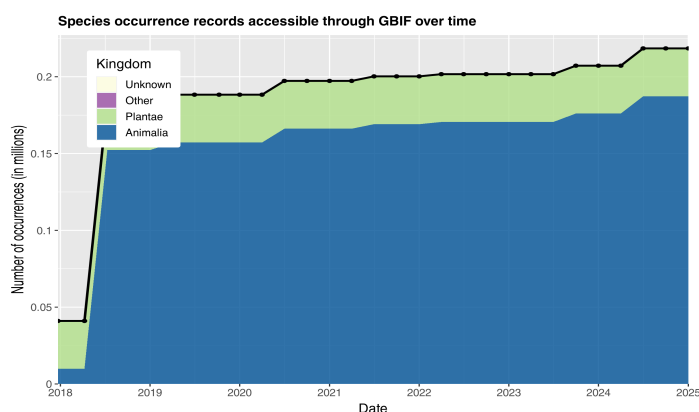
► Access and usage



► Data availability in New Caledonia



► Data mobilization

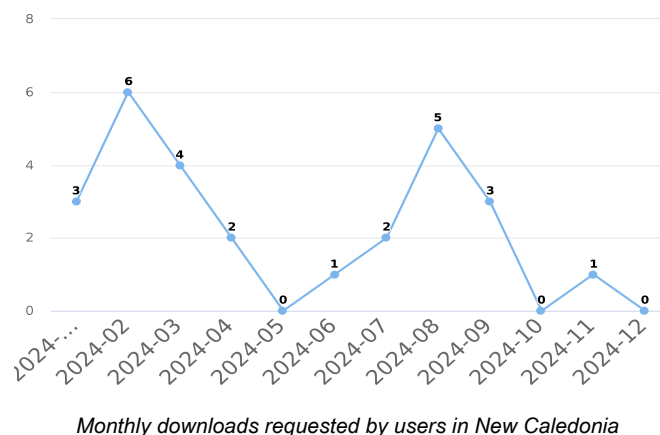
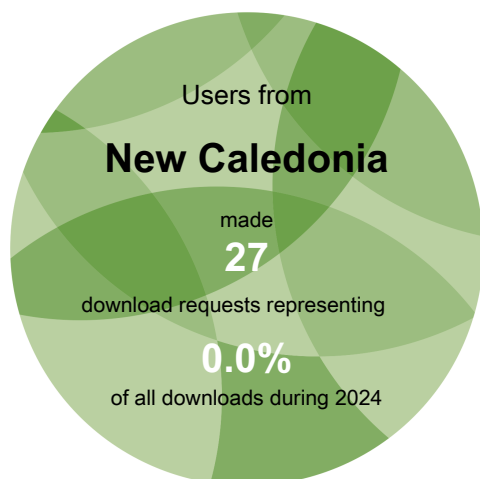


Number of records published by institutions in New Caledonia, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in New Caledonia



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

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 Caledonia.

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

Birnbaum, Ibanez, Blanchard *et al.* (2023) Forest and tree species distribution on the ultramafic substrates of New Caledonia. *Botany Letters*.
<https://doi.org/10.1080/23818107.2023.2181216>

Lannuzel, Pouget, Bruy *et al.* (2022) Mining rare Earth elements: Identifying the plant species most threatened by ore extraction in an insular hotspot. *Frontiers in Ecology and Evolution*.
<https://doi.org/10.3389/fevo.2022.952439>

Cazzolla Gatti, Reich, Gamarra *et al.* (2022) The number of tree species on Earth. *Proceedings of the National Academy of Sciences*.
<https://doi.org/10.1073/pnas.2115329119>

Satterthwaite, Bax, Miloslavich *et al.* (2021) Establishing the Foundation for the Global Observing System for Marine Life. *Frontiers in Marine Science*.
<https://doi.org/10.3389/fmars.2021.737416>

McKenzie, Yoshida, Aini *et al.* (2021) Seagrass ecosystems of the Pacific Island Countries and Territories: A global bright spot. *Marine Pollution Bulletin*.
<https://doi.org/10.1016/j.marpolbul.2021.112308>

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



Data availability

Total data available for selected taxonomic groups in New Caledonia



Mammals
10,035
occurrences



Birds
75,527
occurrences



Bony fish
104,553
occurrences



Amphibians
484
occurrences



Insects
62,948
occurrences



Reptiles
23,557
occurrences



Molluscs
144,353
occurrences



Arachnids
6,558
occurrences



Flowering plants
326,760
occurrences



Ferns
30,376
occurrences



Gymnosperms
9,800
occurrences



Mosses
7,622
occurrences



Sac fungi
13,785
occurrences



Basidiomycota
12,507
occurrences

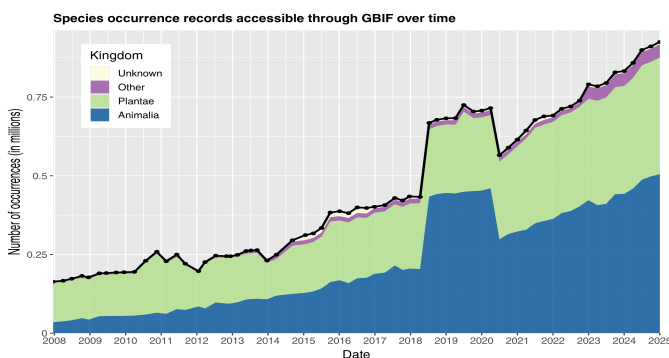
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

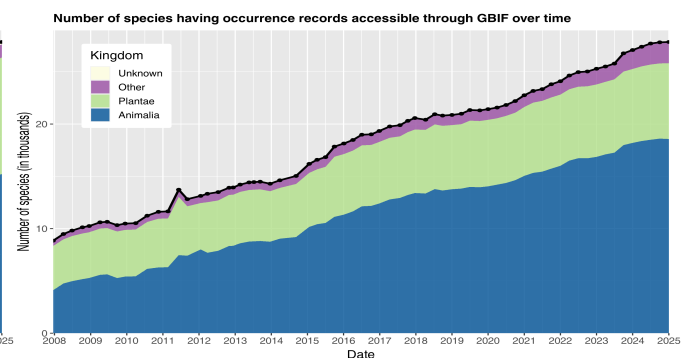
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in New Caledonia



Occurrence records available about species occurring
in New Caledonia



Species for which at least one occurrence record is
available in New Caledonia

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 Caledonia

SPC NECTALIS Zooplankton/Micronekton specimens, New Caledonia 2014. *Published by The Pacific Community (SPC)*
<https://doi.org/10.15468/yf1tu3>

SPC PROCFish/C Invertebrates Observations Tonga 2002 to 2006. *Published by The Pacific Community (SPC)*
<https://doi.org/10.15468/1itmy7>

SPC PROCFish/C Invertebrates Observations New Caledonia 2003 to 2008. *Published by The Pacific Community (SPC)*
<https://doi.org/10.15468/ahplz2>

SPC PROCFish/C Invertebrates Observations Fiji 2002-2003. *Published by The Pacific Community (SPC)*
<https://doi.org/10.15468/zaprhb>

SPC CoFish Invertebrates Observations Niue 2005. *Published by The Pacific Community (SPC)*
<https://doi.org/10.15468/vpuhdy>

SPC CoFish Invertebrates Observations Federated States of Micronesia 2006. *Published by The Pacific Community (SPC)*
<https://doi.org/10.15468/jurjn1>

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

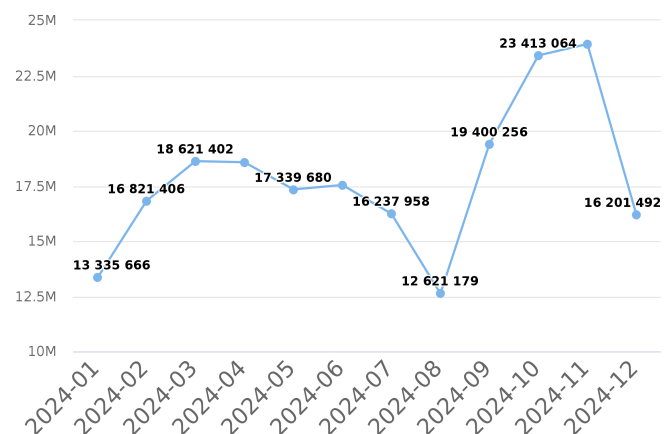
Newest publishers from New Caledonia

The Pacific Community (SPC)

Endemia

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

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

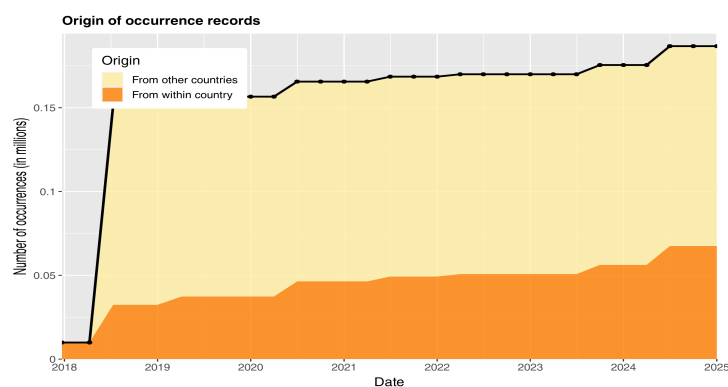


Number of occurrence records downloaded via
GBIF.org published by institutions in New Caledonia

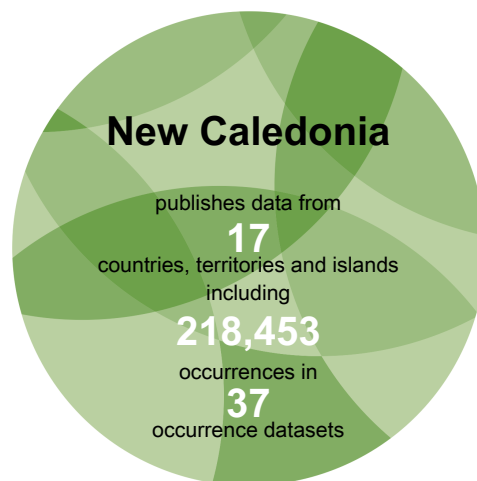


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in New Caledonia

Rank	Country or area	No. of occurrences
1	France	497,263
2	United States of America	190,142
3	New Caledonia	67,502
4	Australia	55,422
5	Netherlands	45,016
6	United Kingdom	38,522
7	Estonia	28,651
8	Switzerland	24,004
9	Germany	13,815
10	New Zealand	12,444

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

Top datasets contributing data about New Caledonia

The vascular plants collection (P) at the Herbarium of the Muséum national d'Histoire Naturelle (MNHN - Paris). 153,264 occurrences in New Caledonia. (Last updated 1 Jan 2025)

iNaturalist Research-grade Observations. 72,832 occurrences in New Caledonia. (Last updated 30 Dec 2024)

The molluscs collection (IM) of the Muséum national d'Histoire naturelle (MNHN - Paris). 65,254 occurrences in New Caledonia. (Last updated 1 Jan 2025)

EOD – eBird Observation Dataset. 44,965 occurrences in New Caledonia. (Last updated 27 Sep 2024)

Référentiel taxonomique national (TAXREF)-Inventaire des Collectivités d'outre-mer et de la métropole issu des données biogéographiques de TAXREF. 33,198 occurrences in New Caledonia. (Last updated 20 Mar 2024)

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