



generated January 2025

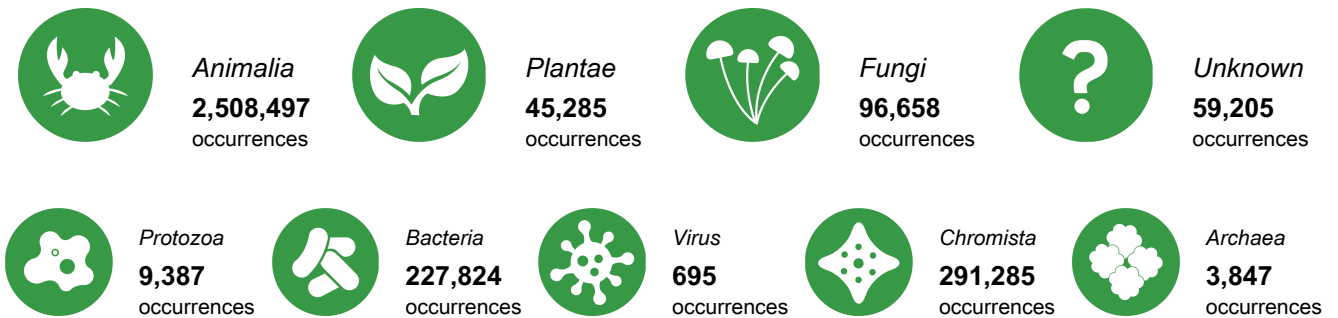
Antarctica

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 Antarctica. 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.

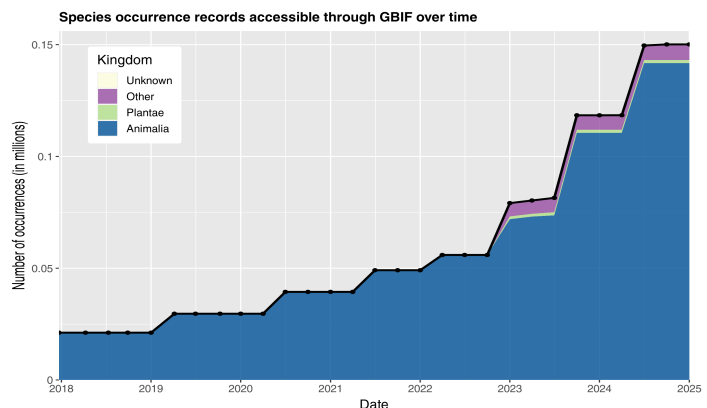
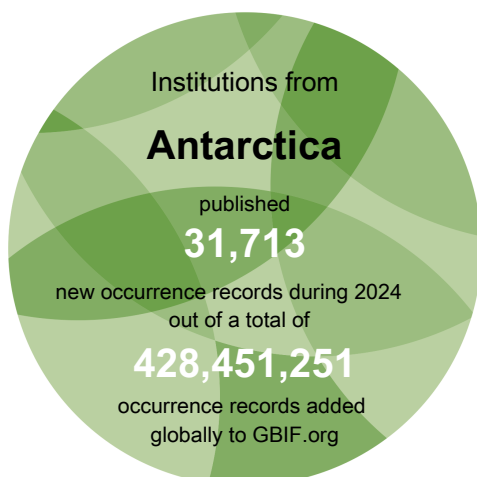
► Access and usage



► Data availability in Antarctica



► Data mobilization

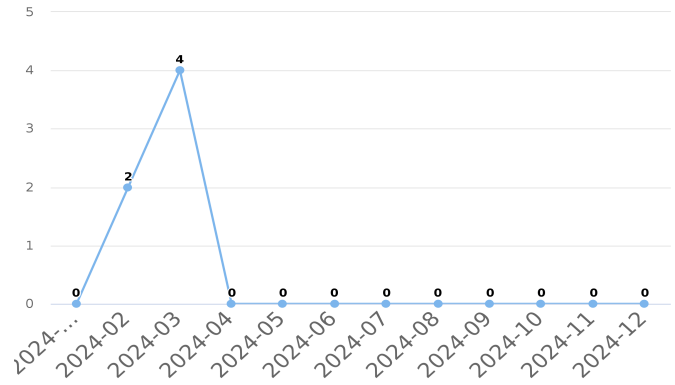
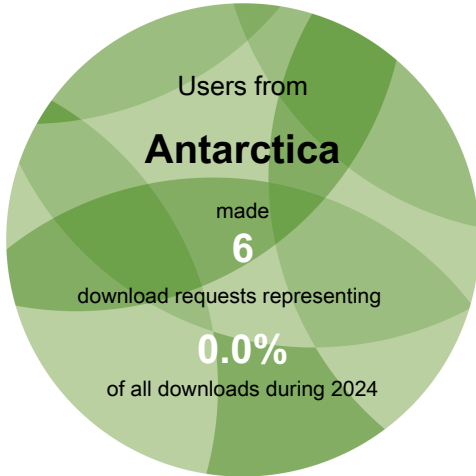


Number of records published by institutions in Antarctica, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Antarctica



Monthly downloads requested by users in Antarctica



Data availability

Total data available for selected taxonomic groups in Antarctica



Mammals
1,126,206
occurrences



Birds
652,709
occurrences



Bony fish
114,689
occurrences



Amphibians
29
occurrences



Insects
1,458
occurrences



Reptiles
93
occurrences



Molluscs
70,091
occurrences



Arachnids
1,896
occurrences



Flowering plants
2,658
occurrences



Ferns
408
occurrences



Gymnosperms
475
occurrences



Mosses
23,356
occurrences



Sac fungi
73,883
occurrences



Basidiomycota
13,414
occurrences

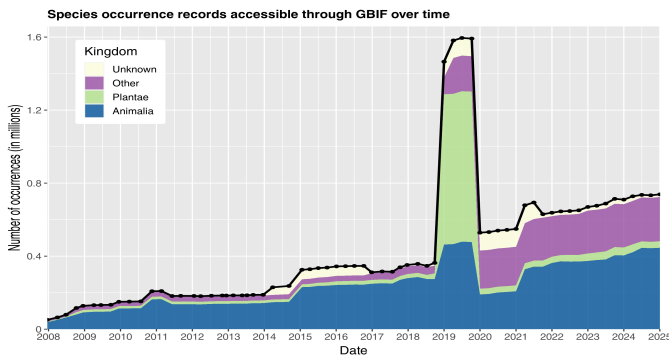
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

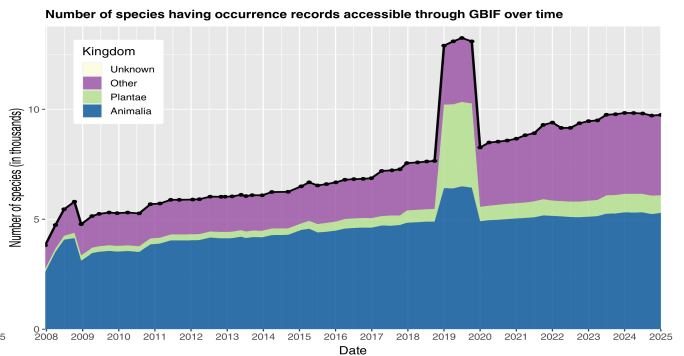
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Antarctica



Occurrence records available about species occurring in Antarctica



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

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 Antarctica

Improving Species-Based Area Protection in Antarctica - data. *Published by Antarctic Biodiversity Information Facility (ANTABIF)*
<https://doi.org/10.15468/mnyg9p>

Microbial communities in colored snow from Fildes Peninsula (King George Island, Maritime Antarctica, 2017). *Published by SCAR - Microbial Antarctic Resource System*
<https://doi.org/10.15468/u6zfw7>

Antarctic cryosphere fungal diversity (2015). *Published by SCAR - Microbial Antarctic Resource System*
<https://doi.org/10.15468/wwbr57>

virome_antarctic_lakes_2010. *Published by SCAR - Microbial Antarctic Resource System*
<https://doi.org/10.15468/gcysrw>

Aeolian microbial dispersal limitation to Antarctica (2017). *Published by SCAR - Microbial Antarctic Resource System*
<https://doi.org/10.15468/ktwewp>

Bacterioplankton from lakes on Byers Peninsula (2008). *Published by SCAR - Microbial Antarctic Resource System*
<https://doi.org/10.15468/se3ynn>

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

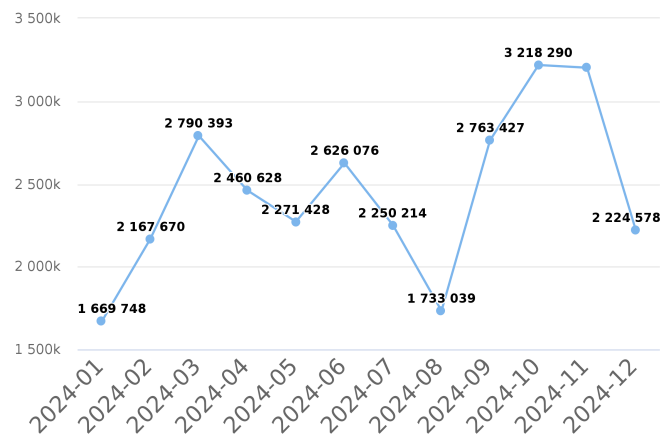
Newest publishers from Antarctica

SCAR - Microbial Antarctic Resource System

Antarctic Biodiversity Information Facility (ANTABIF)

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

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

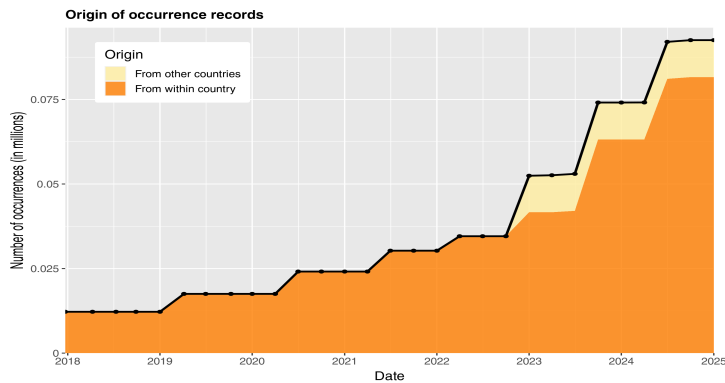


Number of occurrence records downloaded via GBIF.org published by institutions in Antarctica

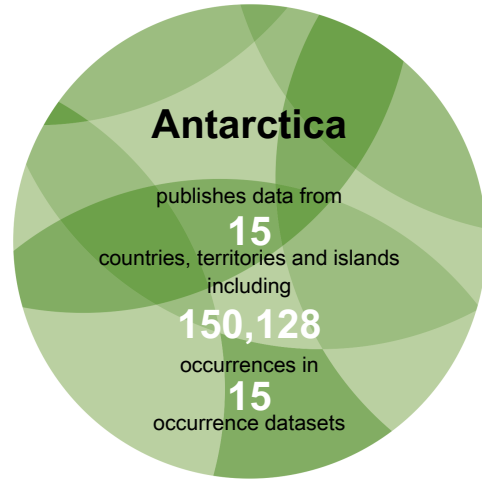


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Antarctica

Rank	Country or area	No. of occurrences
1	United Kingdom	1,776,417
2	Australia	783,693
3	United States of America	199,159
4	Antarctica	137,578
5	Germany	127,446
6	New Zealand	61,313
7	South Africa	33,393
8	International organization or unknown country	21,410
9	Estonia	17,638
10	Belgium	13,135

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

Top datasets contributing data about Antarctica

The Retrospective Analysis of Antarctic Tracking (Standardised) Data from the Scientific Committee on Antarctic Research. *1,146,429 occurrences in Antarctica.* (Last updated 23 Oct 2024)

ARGOS Satellite Tracking of animals. *128,267 occurrences in Antarctica.* (Last updated 24 Jan 2024)

EOD – eBird Observation Dataset. *124,054 occurrences in Antarctica.* (Last updated 27 Sep 2024)

Southern Ocean Continuous Zooplankton Recorder (SO-CPR) Survey. *90,222 occurrences in Antarctica.* (Last updated 2 Aug 2024)

Marine metagenomes Metagenome. *83,317 occurrences in Antarctica.* (Last updated 15 Sep 2022)

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