

generated January 2025

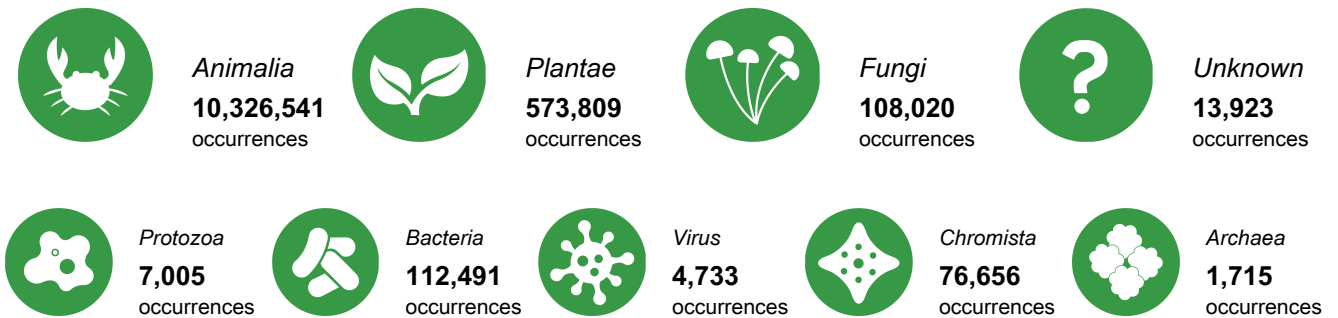
Chile

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 Chile. 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.

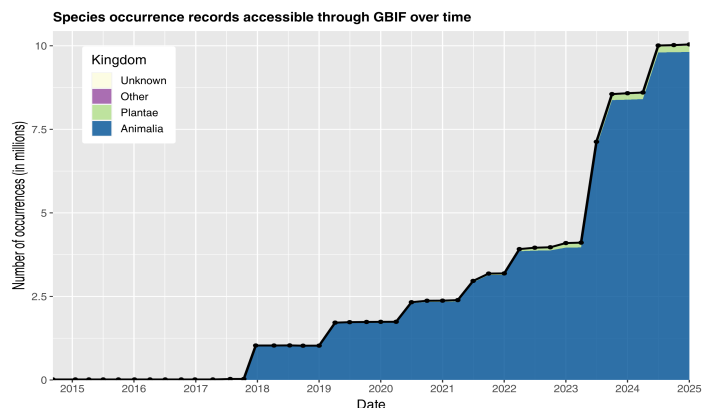
► Access and usage



► Data availability in Chile



► Data mobilization

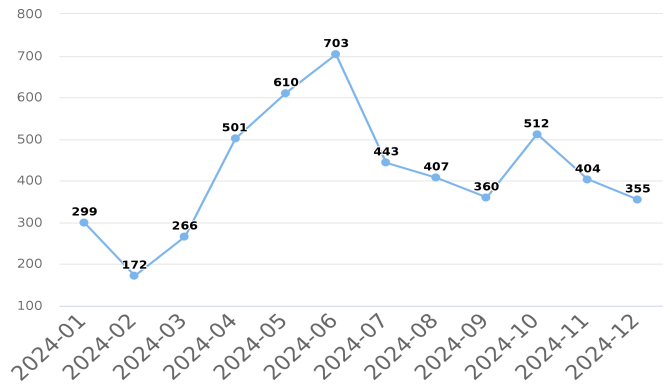
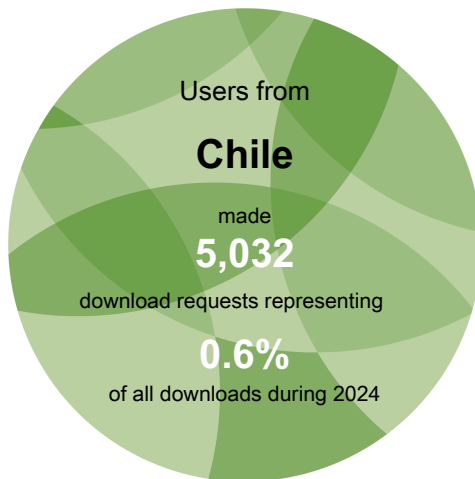


Number of records published by institutions in Chile, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Chile



Monthly downloads requested by users in Chile

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

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 Chile.

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, Pertierra, Guerrero *et al.* (2024) High vulnerability of the endemic Southern Ocean snail *Neobuccinum eatoni* (Buccinidae) to critical projected oceanographic changes. *Scientific Reports*.
<https://doi.org/10.1038/s41598-024-80353-x>

Magri, Luebert, Cabral *et al.* (2024) Historical biogeography of *Vellozia* (Velloziaceae) reveals range expansion in South American mountaintops after climatic cooling events and increased diversification rates after the occupation of Southern Espinhaço Province. *Botanical Journal of the Linnean Society*.
<https://doi.org/10.1093/botlinnean/boae072>

Navia, Alfaro-Shigueto, Ágreda-Arango *et al.* (2024) Unveiling Macroecological Patterns of Elasmobranchs in the Eastern Pacific Ocean. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15037>

Barraza, Avaria-Llautureo, Rivadeneira. (2024) Spatial Connectivity Through Mountains and Deserts Drove South American Scorpions Dispersal. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15030>

Morales-Rozo, Acuña-Rodríguez, Benavides *et al.* (2024) Prioritization of important plant areas for conservation of frailejones (Espeletiinae, Asteraceae) in the Northern Andes. *Biodiversity and Conservation*.
<https://doi.org/10.1007/s10531-024-02939-1>

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



Data availability

Total data available for selected taxonomic groups in Chile



Mammals
608,173
occurrences



Birds
6,194,620
occurrences



Bony fish
1,599,500
occurrences



Amphibians
13,077
occurrences



Insects
296,261
occurrences



Reptiles
23,932
occurrences



Molluscs
82,287
occurrences



Arachnids
16,065
occurrences



Flowering plants
435,977
occurrences



Ferns
21,401
occurrences



Gymnosperms
7,004
occurrences



Mosses
54,248
occurrences



Sac fungi
65,814
occurrences



Basidiomycota
32,915
occurrences

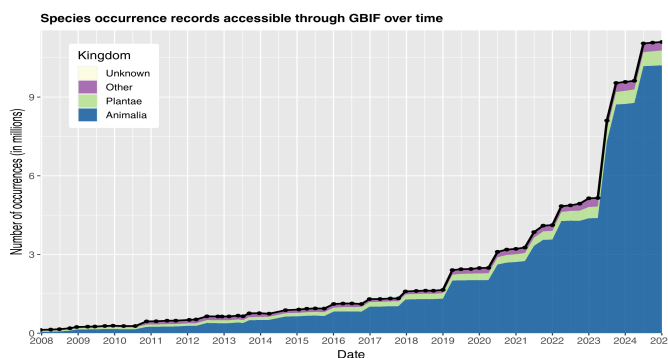
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

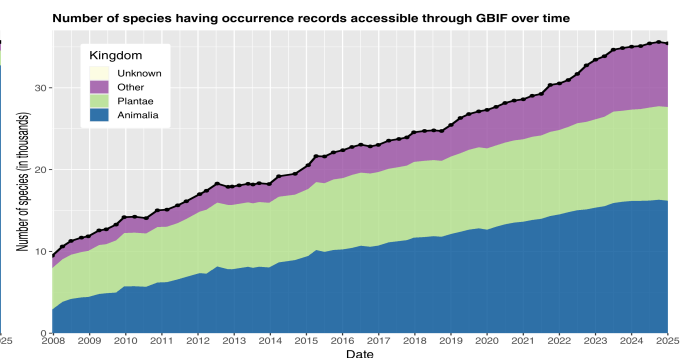
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Chile



Occurrence records available about species occurring in Chile



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

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 Chile

Reference paleontological collection Carlos Oliver Schneider. *Published by MUSEO DE HISTORIA NATURAL DE CONCEPCIÓN*
<https://doi.org/10.15468/3vhnkk>

Ornithology Collection. *Published by MUSEO DE HISTORIA NATURAL DE CONCEPCIÓN*
<https://doi.org/10.15468/63mp8p>

Fungal literature records database of the sub-Antarctic Region of Magallanes, Chile. *Published by Cape Horn International Center (CHIC)*
<https://doi.org/10.15468/zvw5t8>

Records of sea urchins species of genus Abatus in Antarctic and Subantarctic environments. *Published by Instituto de Biodiversidad de Ecosistemas Antárticos y Subantárticos (BASE)*
<https://doi.org/10.15468/gmsy5y>

Diaspididae de Chile. *Published by Centro de Observación de la Tierra "Hémera"*
<https://doi.org/10.15468/sbt4d3>

Colección de la Clase Insecta (Familias Limoniidae y Tipulidae) del Museo de Zoología de la Universidad de Concepción UCCC_MZUC_INS. *Published by Museo de Zoología de la Universidad de Concepción (MZUC-UCCC)*
<https://doi.org/10.15468/hv4xgr>

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

Newest publishers from Chile

MUSEO DE HISTORIA NATURAL DE CONCEPCIÓN

GR PILO SPA

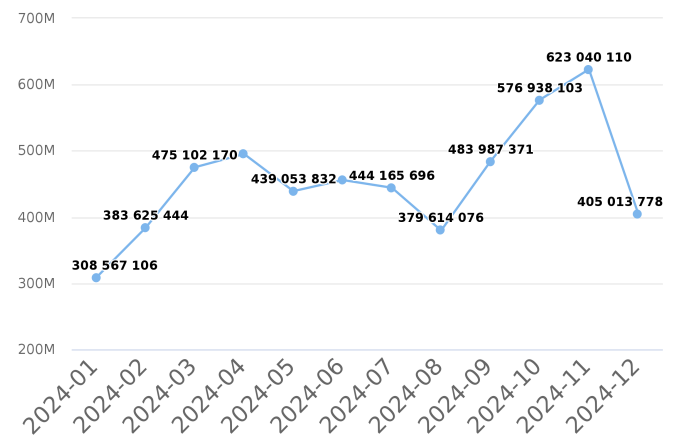
GR CARZA SPA

Estación Patagonia de Investigaciones Interdisciplinarias UC

Centro de Observación de la Tierra "Hémera"

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

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

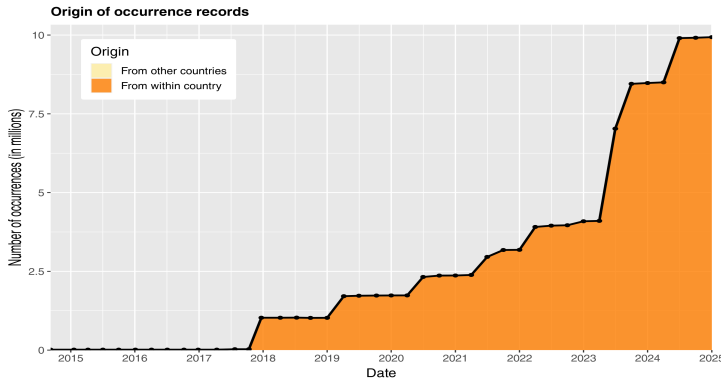


Number of occurrence records downloaded via GBIF.org published by institutions in Chile



Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Chile

Rank	Country or area	No. of occurrences
1	Chile	10,024,959
2	United States of America	586,413
3	United Kingdom	224,248
4	Germany	43,981
5	Estonia	40,071
6	Australia	39,313
7	Argentina	37,940
8	France	36,679
9	Netherlands	26,404
10	Sweden	24,153

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

Top datasets contributing data about Chile

EOD – eBird Observation Dataset. 5,904,927 occurrences in Chile. (Last updated 27 Sep 2024)

Base de datos biogeográfica del Fondo de Investigación Pesquera y de Acuicultura (1999-2019), Subsecretaría de Pesca y Acuicultura. 2,995,949 occurrences in Chile. (Last updated 3 Nov 2023)

Programa de fotomonitorio de objetos de conservación y amenazas en el Sistema Nacional de Áreas Protegidas (SNAP). 612,187 occurrences in Chile. (Last updated 8 Oct 2024)

iNaturalist Research-grade Observations. 307,603 occurrences in Chile. (Last updated 30 Dec 2024)

Objetos de conservación del Área Marina Costera Protegida de Múltiples Usos, Pitipalena-Añihue. 57,060 occurrences in Chile. (Last updated 3 Nov 2023)

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



Chile participates in the following projects coordinated by GBIF

Establishing a national node for Chile to enhance Latin America regional capacity

Capacity Enhancement Support Programme, 2017–2018

This project will promote and encourage biodiversity data sharing in Chile while distributing specialized knowledge on managing biological data and improving its quality, access and use across Latin America.

<https://www.gbif.org/project/83351>

Data use for decision-making workshop: an Iberoamerican community call

Capacity Enhancement Support Programme, 2019–2020

<https://www.gbif.org/project/4dnLg7lh9HekXEIkuG6A>

Improving the visibility of Latin American Natural Science Collections through a Global Collections Network Campaign

Capacity Enhancement Support Programme, 2023–2024

<https://www.gbif.org/project/CESP2022-012>

Improving biodiversity data quality in Latin America: documenting best practices across data workflows and life cycles

Capacity Enhancement Support Programme, 2020–2022

Addressing and implementing approaches for enhancing the quality of unpublished, published and repatriated biodiversity data

<https://www.gbif.org/project/5JJH6ZKCjztKrqT50OAadQ>

From shared experiences to shared knowledge and common solutions: collaborating to improve web-based tools in Latin America and the Caribbean

Capacity Enhancement Support Programme, 2020–2022

Participating nodes aim to incorporate shared best practices, protocols, tools and future road maps for representing the region's biodiversity richness and abundance

<https://www.gbif.org/project/4YJIFEvYJi5kfuUVzNcfYH>

Strengthening Latin American sampling-event data publishing

Capacity Enhancement Support Programme, 2016–2017

This project will provide documentation and training to Latin American participants in order to strengthen publishing skills and increase cooperation in the region.

<https://www.gbif.org/project/83155>

Workshop on digital documentation: Linking biodiversity data, publications and images

Capacity Enhancement Support Programme, 2014–2015

This project will increase the Latin American region's capacity to digitize and publish biodiversity data from scientific literature, images and other multimedia objects.

<https://www.gbif.org/project/82236>

See all GBIF projects
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)