

Activity report

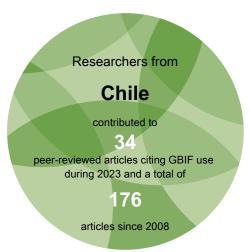


generated January 2024

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



Animalia 8,847,879 occurrences



Plantae 512,007 occurrences



Fungi 108,175 occurrences



Unknown 27,720 occurrences



Protozoa7,009occurrences



Bacteria
112,506
occurrences



Virus
4,733
occurrences

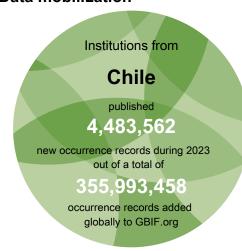


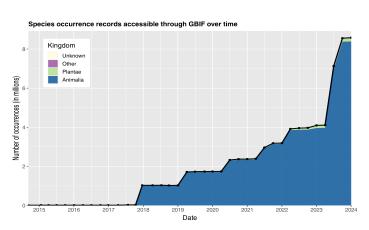
Chromista
80,340
occurrences



Archaea
1,715
occurrences

► Data mobilization



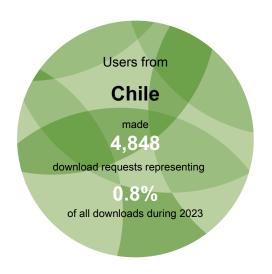


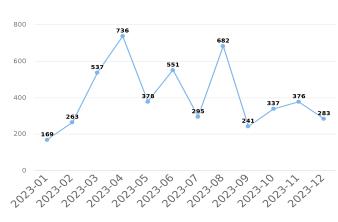
Number of records published by institutions in Chile, categorized by kingdom



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.

Martín-Forés, Guerin, Lewis et al. (2023) The Alien Flora of Australia (AFA), a unified Australian national dataset on plant invasion. *Scientific Data.*

https://doi.org/10.1038/s41597-023-02746-3

Campoy, Rivadeneira, Hernández *et al.* (2023) Deep-sea origin and depth colonization associated with phenotypic innovations in scleractinian corals. *Nature Communications*. https://doi.org/10.1038/s41467-023-43287-y

Cona, Chávez, León-Lobos *et al.* (2023) Genetic structure and north-south decrease of genetic diversity in the Patagonian maqui berry (Aristotelia chilensis [Molina] Stuntz): implications for its conservation and use. *Conservation Genetics*.

https://doi.org/10.1007/s10592-023-01526-1

Collado, Flores, Vidal *et al.* (2023)

Distribution, conservation assessment and management perspectives of Chilean micro-snails of the family Charopidae. *Nature Conservation*.

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

https://doi.org/10.3897/natureconservation.53.100631



Data availability

Total data available for selected taxonomic groups in Chile



Mammals 603,916 occurrences



Birds 4,776,783 occurrences



Bony fish 1,597,562 occurrences



Amphibians 12,192 occurrences



Insects
256,503
occurrences



Reptiles 19,971 occurrences



Molluscs 79,842 occurrences



Arachnids 14,765 occurrences



Flowering plants
379,241
occurrences



Ferns
18,946
occurrences



Gymnosperms 6,165 occurrences



Mosses 52,527 occurrences



Sac fungi 68,029 occurrences



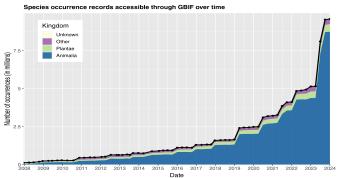
Basidiomycota 30,964 occurrences

Mammals = Class Mammalia Birds = Class Aves Bony fish = Superclass Osteichthyes p.p. Amphibians = Class Amphibia Insects = Class Insecta Reptiles = Class Testudines, Sphenodontia, Squamata & Crocodylia

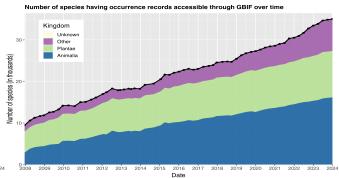
Molluscs = Phylum *Mollusca*

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

Censo poblacional de Canquén Colorado (Chloephaga rubidiceps) en la Región de Magallanes y de la Antártica Chilena. *Published by Ministerio del Medio Ambiente de Chile* https://doi.org/10.15468/ueqxv5

Dieta del guanaco (Lama guanicoe). Proyecto de Desarollo Mantoverde (RCA Nº16/2018, MMA). Published by Cienciambiental Consultores S.A. https://doi.org/10.15468/4fpswc

Plan de mitigación de impactos sobre especies de reptiles. Proyecto Desarrollo Mantoverde (RCA Nº16/2018, MMA). *Published by Cienciambiental Consultores S.A.* https://doi.org/10.15468/8kgmkb

Monitoreo de Rescate y Relocalización de Eriosyce rodentiophila (sandillón). Proyecto Desarrollo Mantoverde (RCA Nº16/2018, MMA). *Published by Cienciambiental Consultores S.A.* https://doi.org/10.15468/q4tvab

Fauna Íctica Nativa Continental de Chile. *Published by Ministerio del Medio Ambiente de Chile* https://doi.org/10.15468/cxb957

Catastro Orquídea Bipinnula fimbriata en los Acantilados de Quirilluca Norte, FAM. *Published by Fundación Acantilados de Maitencillo* https://doi.org/10.15468/zwhure

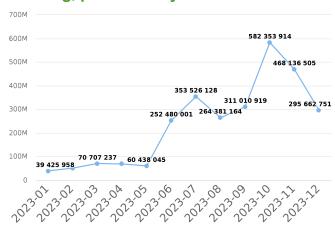
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=CL

Newest publishers from Chile

Fundación Acantilados de Maitencillo

SERVICIO HIDROGRÁFICO Y OCEANOGRÁFICO DE LA ARMADA DE CHILE

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



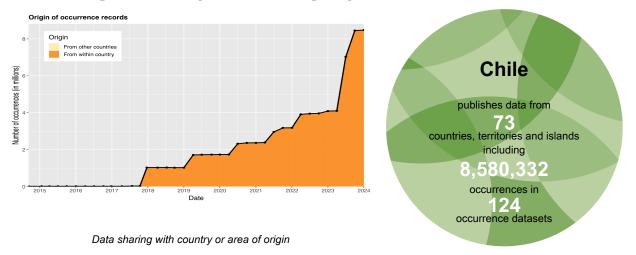
See all publishers from this country or area gbif.org/publisher/search?country=CL

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



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	8,568,080
2	United States of America	533,528
3	United Kingdom	212,616
4	Germany	48,121
5	Estonia	40,050
6	Australia	37,028
7	Argentina	36,792
8	France	35,948
9	Sweden	26,676
10	Netherlands	24,213

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

Top datasets contributing data about Chile

EOD – eBird Observation Dataset. *4,526,044* occurrences in Chile. (Last updated 20 Aug 2023)

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 fotomonitoreo de objetos de conservación y amenazas en el Sistema Nacional de Áreas Protegidas (SNAP). 612,187 occurrences in Chile. (Last updated 3 Nov 2023)

iNaturalist Research-grade Observations. 215,978 occurrences in Chile. (Last updated 2 Jan 2024)

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



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/4dnLgIg7lh9HekXEIkuG6A

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

From shared experiences to shared knowledge and common solutions: collaborating to improve webbased 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

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

Capacity Enhancement Support Programme, 2020–2022

 $Addressing \ and \ implementing \ approaches \ for \ enhancing \ the \ quality \ of \ unpublished, \ published \ and \ repatriated \ biodiversity \ data \ https://www.gbif.org/project/5JJH6ZKCjztKrqT50OAadQ$

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