

generated January 2025

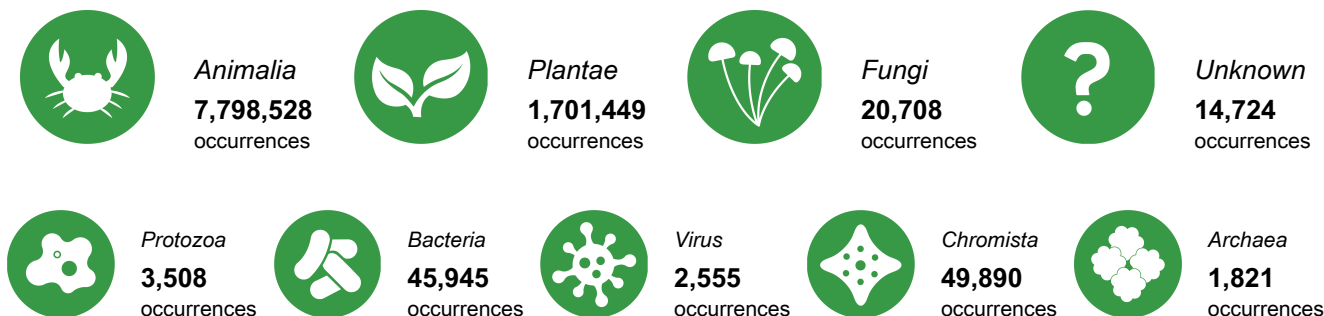
Peru

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 Peru. 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.

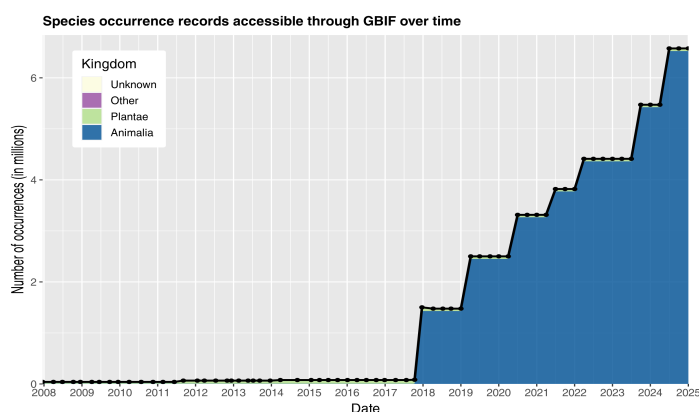
► Access and usage



► Data availability in Peru



► Data mobilization

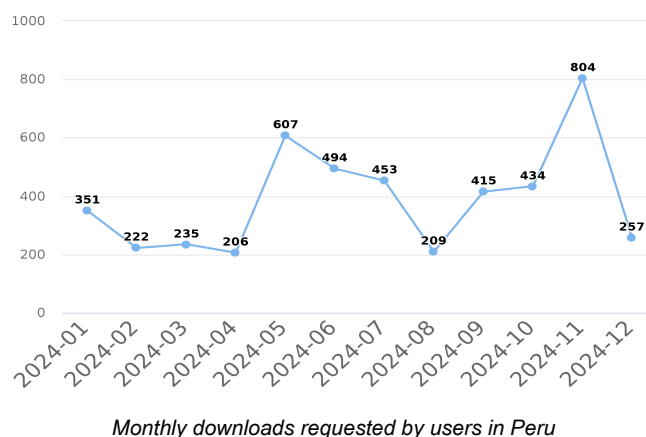
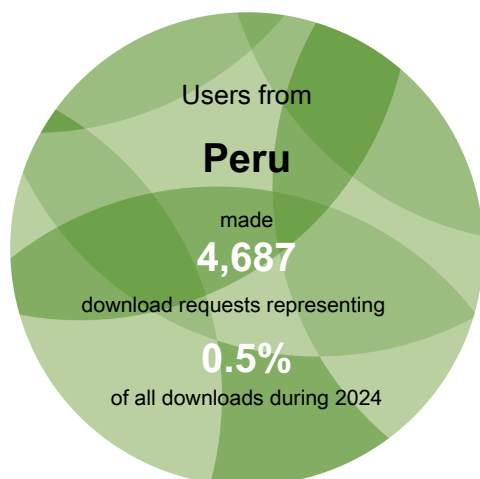


Number of records published by institutions in Peru, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Peru



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

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 Peru.

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

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>

Fortier, Kullberg, Soria Ahuanari *et al.* (2024) Hotter Temperatures Reduce the Diversity and Alter the Composition of Woody Plants in an Amazonian Forest. *Global Change Biology*.
<https://doi.org/10.1111/gcb.17555>

Carhuancho, Ramírez-Candia. (2024) Exploring the potential of Typha Populations for biorefineries: Opportunities in Peru. *Journal of Physics: Conference Series*.
<https://doi.org/10.1088/1742-6596/2869/1/012004>

Carmona-Higueta, Mendieta-Leiva, Gómez-Díaz *et al.* (2024) Endemism Centres of the Five Richest Vascular Epiphyte Families in the Neotropics. *Journal of Biogeography*.
<https://doi.org/10.1111/jbi.15016>

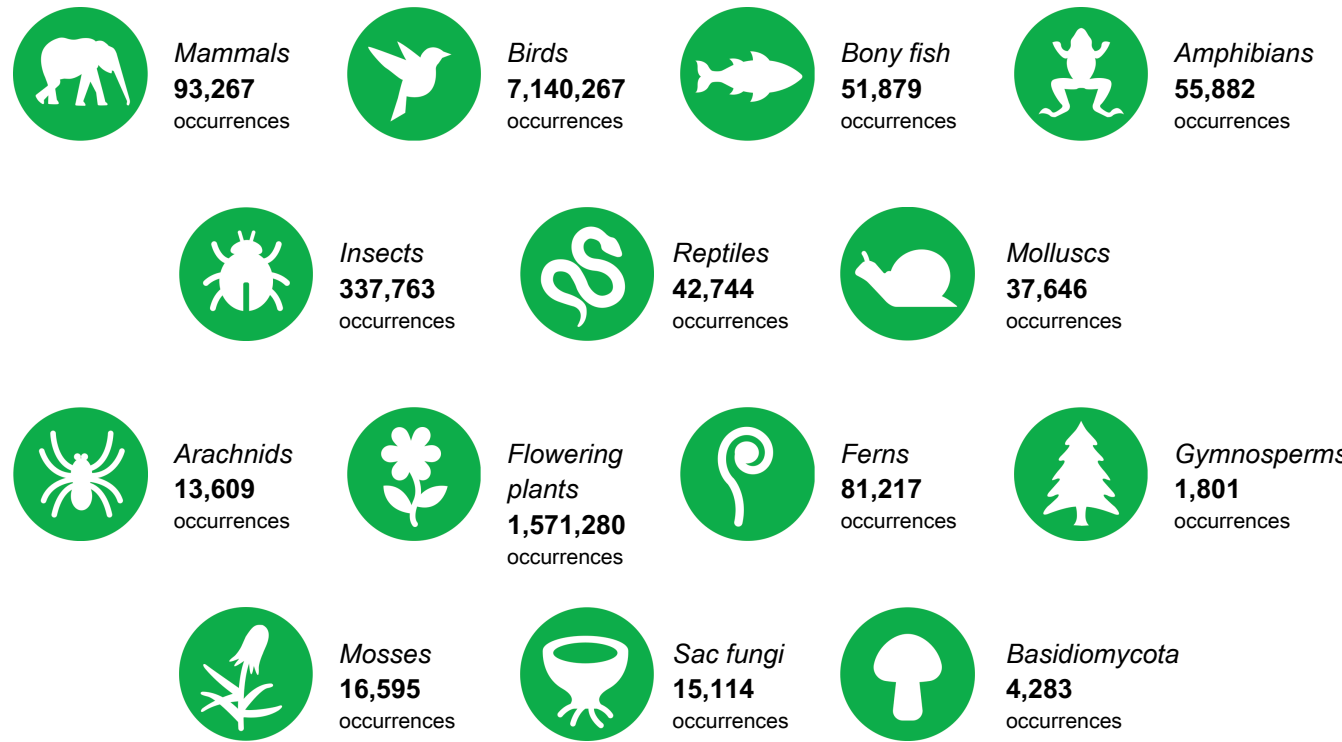
Barboza, Bravo, Cotrina-Sanchez *et al.* (2024) Modeling the current and future habitat suitability of *Neltuma pallida* in the dry forest of northern Peru under climate change scenarios to 2100. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.70158>

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



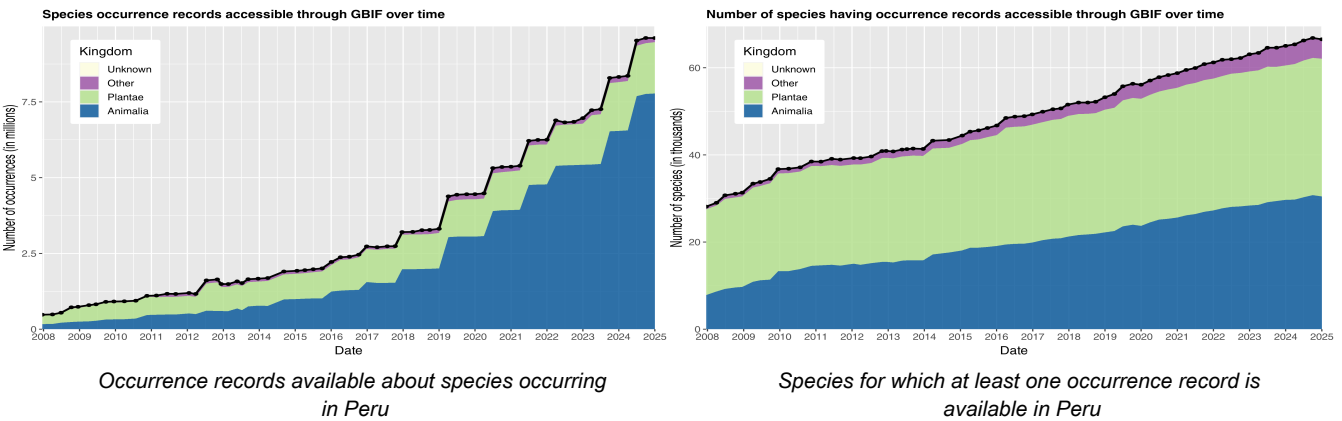
Data availability

Total data available for selected taxonomic groups in Peru



Mammals = Class <i>Mammalia</i>	Insects = Class <i>Insecta</i>	Arachnids = Class <i>Arachnida</i>	Ferns = Phylum <i>Pteridophyta</i>
Birds = Class <i>Aves</i>	Reptiles = Class <i>Testudines</i> , <i>Sphenodontia</i> , <i>Squamata</i> & <i>Crocodylia</i>	Flowering plants = Phylum <i>Magnoliophyta</i>	Mosses = Phylum <i>Bryophyta</i>
Bony fish = Superclass <i>Osteichthyes</i> p.p.	Molluscs = Phylum <i>Mollusca</i>	Gymnosperms = Superclass <i>Gymnospermae</i>	Sac fungi = Phylum <i>Ascomycota</i>
Amphibians = Class <i>Amphibia</i>			Basidiomycota = Phylum <i>Basidiomycota</i>

Change over time in records about biodiversity in Peru



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 Peru

Registro de mamíferos pequeños en la Red Vial 4, como parte del monitoreo biológico de Autopista del Norte S.A.C., en los departamentos de Lima, Áncash y La Libertad. *Published by AUTOPISTA DEL NORTE S.A.C.*
<https://doi.org/10.15468/qve5m3>

Registro de mamíferos voladores en la Red Vial 4, como parte del monitoreo biológico de Autopista del Norte S.A.C., en los departamentos de Lima, Áncash y La Libertad. *Published by AUTOPISTA DEL NORTE S.A.C.*
<https://doi.org/10.15468/rsjcsa>

Registro de aves en la Red Vial 4, como parte del monitoreo biológico de Autopista del Norte S.A.C., en los departamentos de Lima, Áncash y La Libertad. *Published by AUTOPISTA DEL NORTE S.A.C.*
<https://doi.org/10.15468/z5hmjd>

Registro de flora en la Red Vial 4 como parte del monitoreo biológico de Autopista del Norte S.A.C. en los departamentos de Lima, Áncash y La Libertad. *Published by AUTOPISTA DEL NORTE S.A.C.*
<https://doi.org/10.15468/bnpj4>

Registro de herpetofauna en la Red Vial 4 como parte del monitoreo biológico de Autopista del Norte S.A.C., en los departamentos de Lima, Áncash y La Libertad. *Published by AUTOPISTA DEL NORTE S.A.C.*
<https://doi.org/10.15468/8xvmf9>

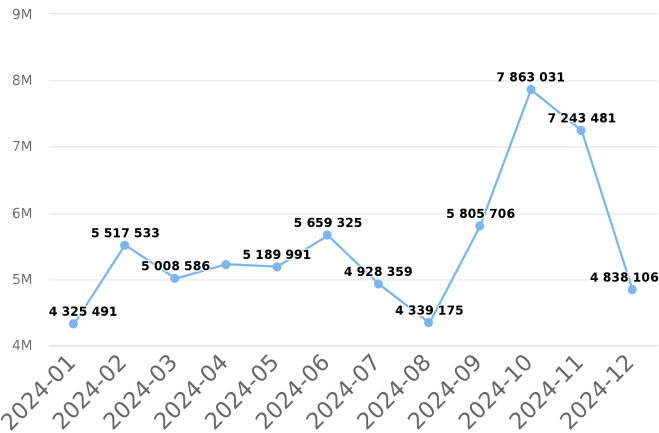
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=PE

Newest publishers from Peru

- AUTOPISTA DEL NORTE S.A.C.
- Escuela Académico Profesional de Ingeniería Ambiental - Universidad Nacional de Cajamarca
- Servicio Nacional de Areas Naturales Protegidas por el Estado
- Servicio Nacional Forestal y de Fauna Silvestre
- Ministerio del Ambiente de Perú - MINAM

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

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

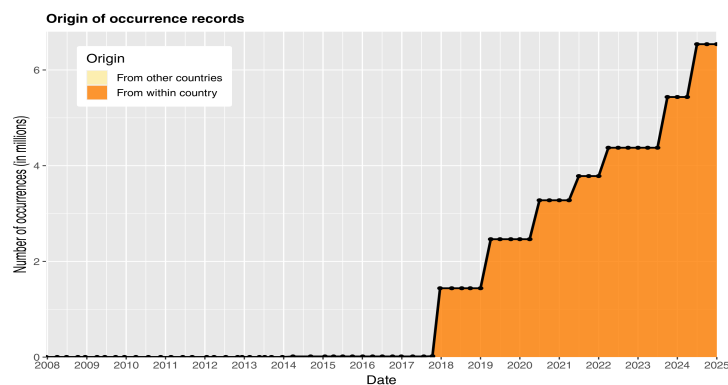


Number of occurrence records downloaded via GBIF.org published by institutions in Peru

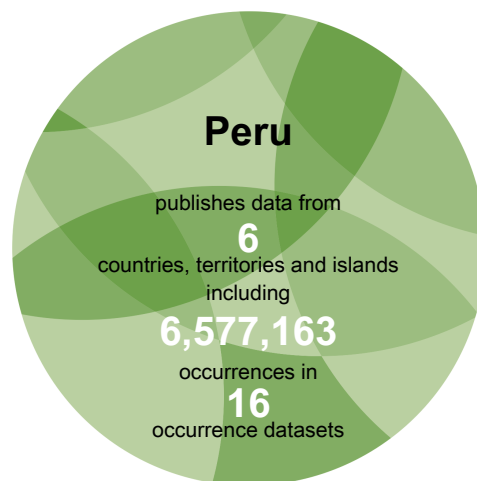


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Peru

Rank	Country or area	No. of occurrences
1	Peru	6,539,708
2	United States of America	1,999,785
3	Denmark	333,562
4	United Kingdom	139,473
5	International organization or unknown country	111,184
6	Netherlands	93,450
7	Germany	82,041
8	Colombia	69,678
9	Brazil	41,089
10	Canada	35,408

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

Top datasets contributing data about Peru

EOD – eBird Observation Dataset. 6,516,286 occurrences in Peru. (Last updated 27 Sep 2024)

Tropicos MO Specimen Data. 366,779 occurrences in Peru. (Last updated 4 Jan 2025)

Aarhus University Palm Transect Database. 327,403 occurrences in Peru. (Last updated 1 Feb 2024)

Tropicos Specimens Non-MO. 316,367 occurrences in Peru. (Last updated 4 Jan 2025)

iNaturalist Research-grade Observations. 183,512 occurrences in Peru. (Last updated 30 Dec 2024)

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



Peru participates in the following projects coordinated by GBIF

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>

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>

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

Capacity Enhancement Support Programme, 2019–2020

<https://www.gbif.org/project/4dnLglg7lh9HekXEIkuG6A>

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