

generated January 2026

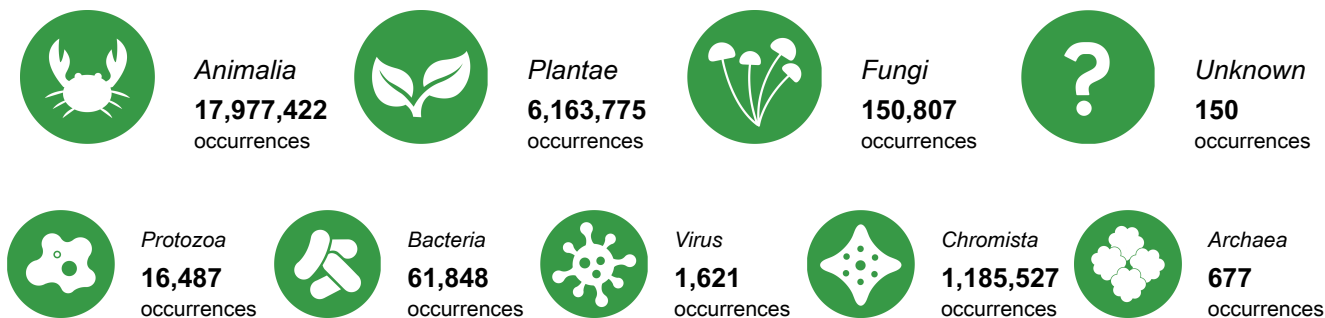
Portugal

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 Portugal. 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.

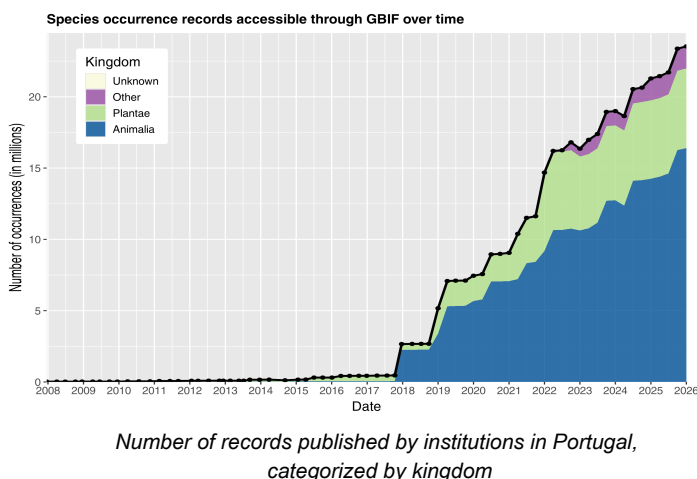
► Access and usage



► Data availability in Portugal



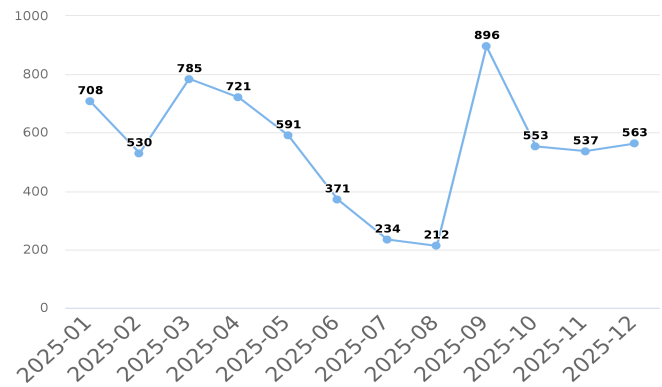
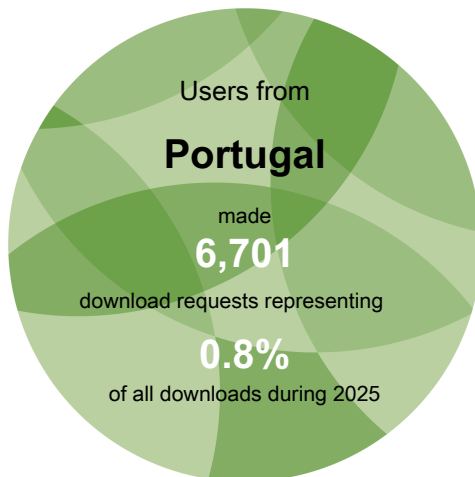
► Data mobilization





Access and usage

Data downloads on GBIF.org from users in Portugal



Monthly downloads requested by users in Portugal

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

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 Portugal.

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

Soto, Oficialdegui, Bedmar *et al.* (2025) Over 1200 Non-Native Species Are Established in the Iberian Peninsula. *Diversity and Distributions*.

<https://doi.org/10.1111/ddi.70071>

Bañón, Baldó, Arronte *et al.* (2025) Integrative taxonomy suggests hidden diversity within the fish genus *Cyttops* (Zeiformes, Parazenidae). *Journal of Fish Biology*.

<https://doi.org/10.1111/jfb.70190>

Seebens, Meyerson, Richardson *et al.* (2025) Biological invasions: a global assessment of geographic distributions, long-term trends, and data gaps. *Biological Reviews*.

<https://doi.org/10.1111/brv.70058>

Cardador, Batlle, Barbosa *et al.* (2025) Land Cover Constrains Range Shifts in Northern Iberian Bird Species Under Climate Change Scenarios. *Ecology and Evolution*.

<https://doi.org/10.1002/ece3.71863>

Marshall, Strine, Gore *et al.* (2025) Mapping the global dimensions of US wildlife imports. *Current Biology*.

<https://doi.org/10.1016/j.cub.2025.07.012>

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



Data availability

Total data available for selected taxonomic groups in Portugal



Mammals
645,993
occurrences



Birds
14,620,300
occurrences



Bony fish
291,457
occurrences



Amphibians
89,177
occurrences



Insects
1,173,381
occurrences



Reptiles
118,560
occurrences



Molluscs
161,184
occurrences



Arachnids
130,773
occurrences



Flowering plants
4,583,440
occurrences



Ferns
134,957
occurrences



Gymnosperms
374,433
occurrences



Mosses
272,460
occurrences



Sac fungi
88,820
occurrences



Basidiomycota
56,679
occurrences

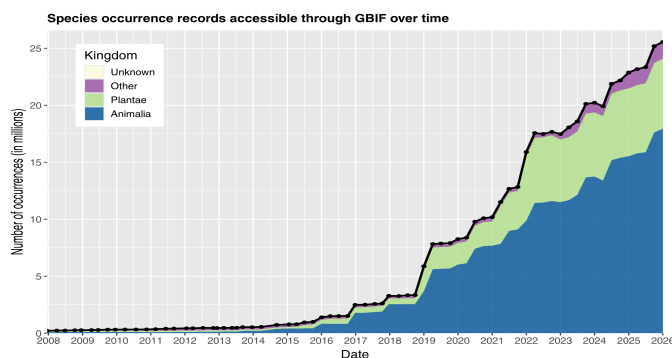
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

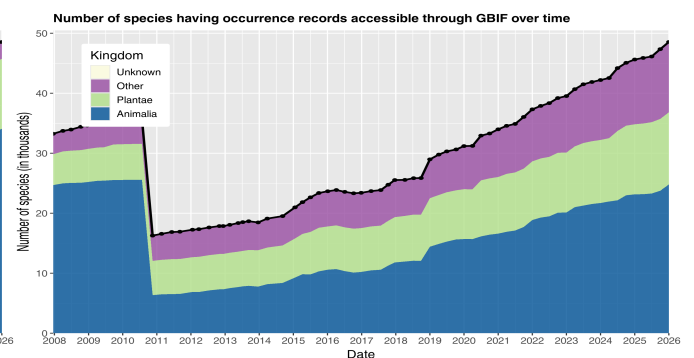
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Portugal



Occurrence records available about species occurring in Portugal



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

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 Portugal

Historical biogeographic assessment of rocky intertidal species along the French Atlantic coast by Crisp and Fischer-Piette. *Published by CIBIO (Research Center in Biodiversity and Genetic Resources) Portugal*
<https://doi.org/10.15468/zdjt4>

Mapping of subtidal *Laminaria hyperborea* and *Saccorhiza polyschides* in Northern Portugal. *Published by Interdisciplinary Centre of Marine and Environmental Research (CIIMAR)*
<https://doi.org/10.15468/d6uv4e>

EDIA – Global Bird Monitoring Program of the Alqueva Dam (EFMA) Secondary Irrigation Network (block B: irrigation blocks of Alfundão, Ferreira-Valbom, Loureiro-Alvito, Monte Novo, Pedrógão, Pisão, São Matias and Vale de Gaio): Bird Atlas - population trends [winter 2019 - spring 2020]. *Published by EDIA – Empresa de Desenvolvimento e Infra-estruturas do Alqueva, S.A.*
<https://doi.org/10.15468/6sq7ke>

EDIA – Global Bird Monitoring Program of the Alqueva Dam (EFMA) Secondary Irrigation Network (block B: irrigation blocks of Alfundão, Ferreira-Valbom, Loureiro-Alvito, Monte Novo, Pedrógão, Pisão, São Matias and Vale de Gaio): Bird Atlas - distributions [winter 2019 - spring 2020]. *Published by EDIA – Empresa de Desenvolvimento e Infra-estruturas do Alqueva, S.A.*
<https://doi.org/10.15468/cuekj>

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

Newest publishers from Portugal

Interdisciplinary Centre of Marine and Environmental Research (CIIMAR)

EDIA – Empresa de Desenvolvimento e Infra-estruturas do Alqueva, S.A.

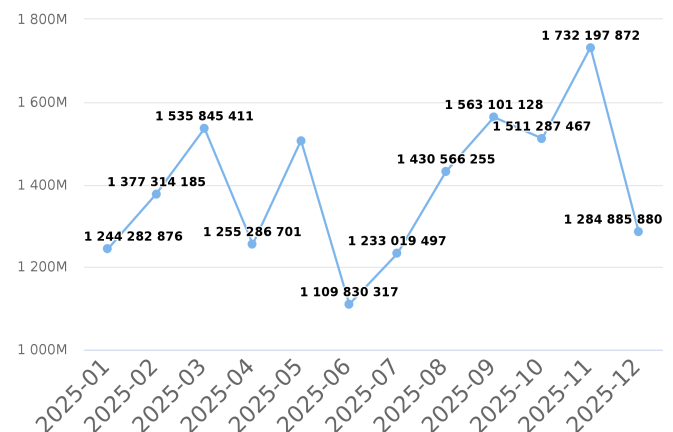
Instituto Nacional de Saúde Doutor Ricardo Jorge

Futurismo Azores Adventures

Jardim Botânico da Universidade de Coimbra

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

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

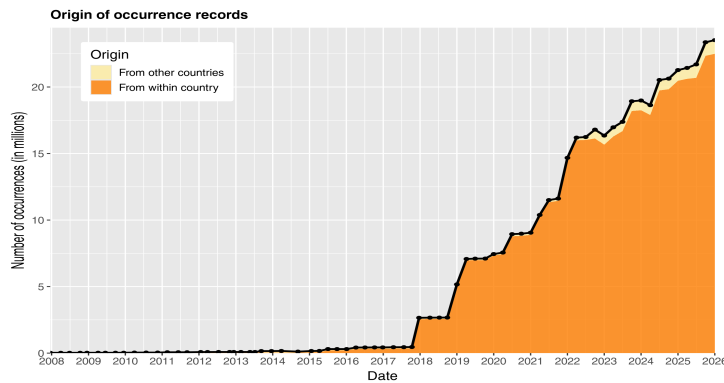


Number of occurrence records downloaded via GBIF.org published by institutions in Portugal

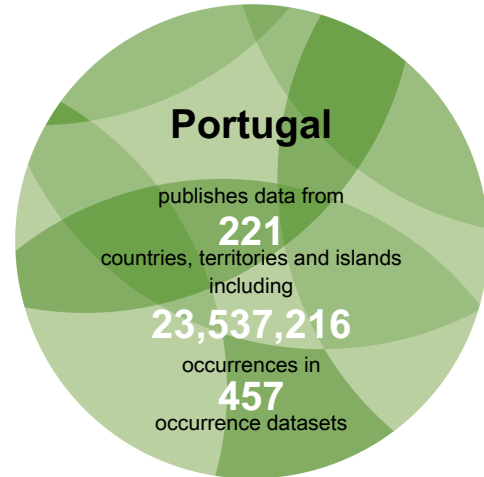


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Portugal

Rank	Country or area	No. of occurrences
1	Portugal	22,496,683
2	United States of America	737,699
3	Netherlands	640,409
4	Belgium	590,472
5	Spain	253,796
6	United Kingdom	205,296
7	Germany	157,359
8	Denmark	121,434
9	France	116,639
10	International organization or unknown country	75,921

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

Top datasets contributing data about Portugal

- EOD – eBird Observation Dataset. 12,016,158 occurrences in Portugal. (Last updated 29 Oct 2025)
- Azorean Biodiversity Portal. 1,652,342 occurrences in Portugal. (Last updated 22 Mar 2023)
- iNaturalist Research-grade Observations. 1,186,199 occurrences in Portugal. (Last updated 31 Dec 2025)
- Forestry Inventory 2015. 579,422 occurrences in Portugal. (Last updated 12 Nov 2021)
- Forestry Inventory 2010. 575,481 occurrences in Portugal. (Last updated 12 Nov 2021)

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



Portugal participates in the following projects coordinated by GBIF

Promote GBIF in the African Portuguese speaking countries through documentation and seminars

Capacity Enhancement Support Programme, 2015–2016

An initiative by GBIF Portugal to ensure that the fundamental documentation on node establishment and data mobilization is available in Portuguese and to promote GBIF in Angola, Mozambique and Guinea Bissau through seminars and conferences.

<https://www.gbif.org/project/82205>

Agrotraining: Proofing GBIF use on agrobiodiversity through needs assessment and training

Capacity Enhancement Support Programme, 2016–2017

This Iberian project will design and develop a training course on the use of agro-biodiversity information available through GBIF and other relevant data sources.

<https://www.gbif.org/project/82833>

GBIF.pt

, 2016–2016

The Biodiversity Data Portal of Portugal is the site for access to national information published through the GBIF.

<https://www.gbif.org/project/82967>

Filling taxonomic and geographic gaps in open data by strengthening skills of the Brazilian zoological collections network

Capacity Enhancement Support Programme, 2021–2023

<https://www.gbif.org/project/CESP2021-008>

European Bireme: EU Nodes in biodiversity reporting mechanisms

Capacity Enhancement Support Programme, 2017–2018

By detailing national reporting processes and data flows in several European Union member states, this project explored how changes to GBIF tools and procedures could streamline and improve biodiversity reporting across the region.

<https://www.gbif.org/project/83336>

International Living Atlases workshop

Capacity Enhancement Support Programme, 2017–2018

This project will support and strengthen the growing international community of practice around open-source software developed by the Atlas of Living Australia.

<https://www.gbif.org/project/83337>

European training hackathon on species checklists using GBIF data

Capacity Enhancement Support Programme, 2014–2015

This regional collaboration supports a hackathon for European nodes, aiming to enhance their capacity to produce national checklists.

<https://www.gbif.org/project/82221>

Internationalization of the ALA node portal

Capacity Enhancement Support Programme, 2015–2016

Translation of ALA portal's user interface and technical documentation, such as installation and operation guides, into French, Portuguese and Spanish for use by the GBIF network.

<https://www.gbif.org/project/82202>

CRBio: Atlas of Living Costa Rica

, 2016–2016

CRBio integrates occurrence records, species pages, multimedia and scientific literature about the biodiversity of Costa Rica in a single site through the use of several biodiversity informatics APIs, including the ones developed by ALA, GBIF and BHL.

<https://www.gbif.org/project/82989>

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