

generated January 2026

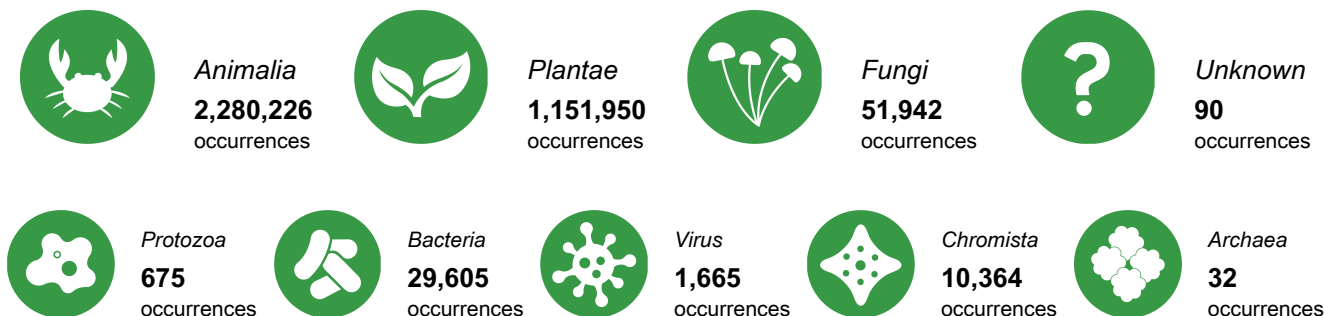
Madagascar

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 Madagascar. 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.

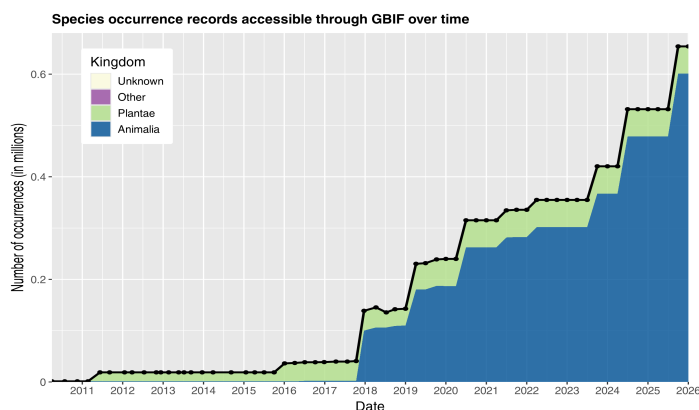
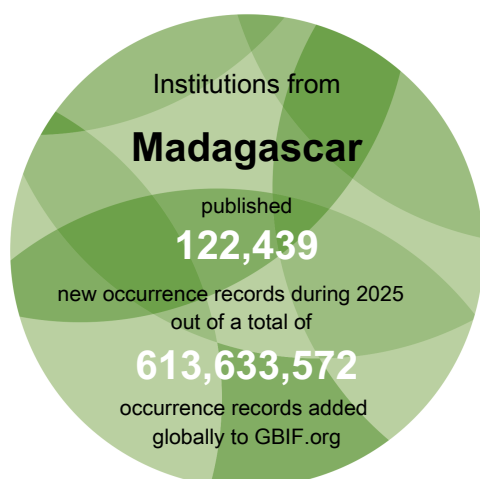
► Access and usage



► Data availability in Madagascar



► Data mobilization

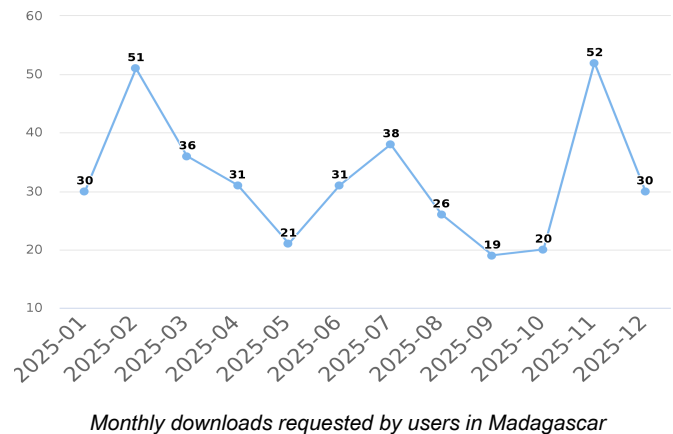
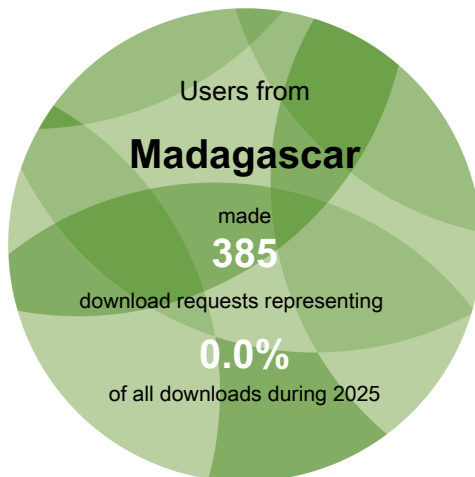


Number of records published by institutions in Madagascar, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Madagascar



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

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 Madagascar.

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

Razafimandimbison, Kainulainen, Ranarijaona *et al.* (2025) Phylogeny and divergence times of the African and Malagasy Podocarpus (Podocarpaceae) and their taxonomic and biogeographic implications. *TAXON*.
<https://doi.org/10.1002/tax.70023>

Chen, Wan, Du *et al.* (2025) Extinction Risk Assessment and Conservation of the Pachypodium Under Climate Change. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.71926>

Rabarijaona, Yu, Tang *et al.* (2025) Phylogenomic insights into historical biogeography and species delimitation of African Ampelocissus (Vitaceae). *Molecular Phylogenetics and Evolution*.
<https://doi.org/10.1016/j.ympev.2025.108388>

Cirtwill, Roslin, Peña-Aguilera *et al.* (2025) The Latitudinal Biotic Interaction Hypothesis revisited: contrasting latitudinal richness gradients in actively vs. passively accumulated interaction partners of honey bees. *BMC Ecology and Evolution*.
<https://doi.org/10.1186/s12862-025-02363-1>

Streiff, Ravomanana, Rakotoarinivo *et al.* (2024) High-quality herbarium-label transcription by citizen scientists improves taxonomic and spatial representation of the tropical plant family Annonaceae. *Adansonia*.
<https://doi.org/10.5252/adansonia2024v46a18>

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



Data availability

Total data available for selected taxonomic groups in Madagascar



Mammals
51,135
occurrences



Birds
677,054
occurrences



Bony fish
28,610
occurrences



Amphibians
50,286
occurrences



Insects
1,150,681
occurrences



Reptiles
62,527
occurrences



Molluscs
92,499
occurrences



Arachnids
52,781
occurrences



Flowering plants
1,055,072
occurrences



Ferns
41,991
occurrences



Gymnosperms
1,011
occurrences



Mosses
24,284
occurrences



Sac fungi
19,948
occurrences



Basidiomycota
27,547
occurrences

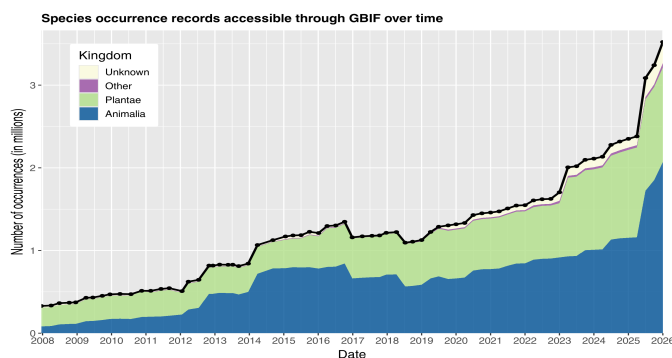
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

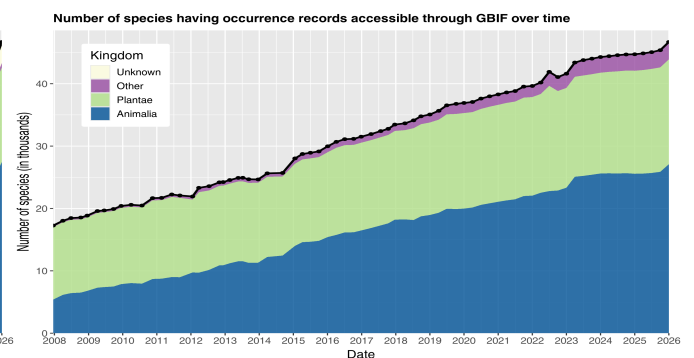
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Madagascar



Occurrence records available about species occurring in Madagascar



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

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 Madagascar

Malagasy Scoliidæ recorded by PREP as flower visitors. *Published by Centre National de Recherches sur l'Environnement*
<https://doi.org/10.15468/6pr73g>

Diversity and spatial distribution of Phyto and Zooplankton in the West Coast of Madagascar..
Published by Madagascar Biodiversity Information Facility (MadBIF)
<https://doi.org/10.15468/gej9ta>

Specimen references on the Verbenaceae family held by the TAN Herbarium. *Published by Parc Botanique et Zoologique de Tsimbazaza (P.B.Z.T.)*
<https://doi.org/10.15468/tqr4ip>

Specimen references on the Sapotaceae family held by the TAN Herbarium. *Published by Parc Botanique et Zoologique de Tsimbazaza (P.B.Z.T.)*
<https://doi.org/10.15468/7paqmu>

Lemur_occurrences_Madagasikara_Voakajy_MLP_20190917. *Published by Madagascar Lemurs Portal*
<https://doi.org/10.15468/nmrdpa>

Lemur_occurrences_CVB_MLP_20190917. *Published by Madagascar Lemurs Portal*
<https://doi.org/10.15468/9drm6d>

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

Newest publishers from Madagascar

Madagascar Lemurs Portal

Kew Madagascar Conservation Centre - Royal Botanic Gardens Kew

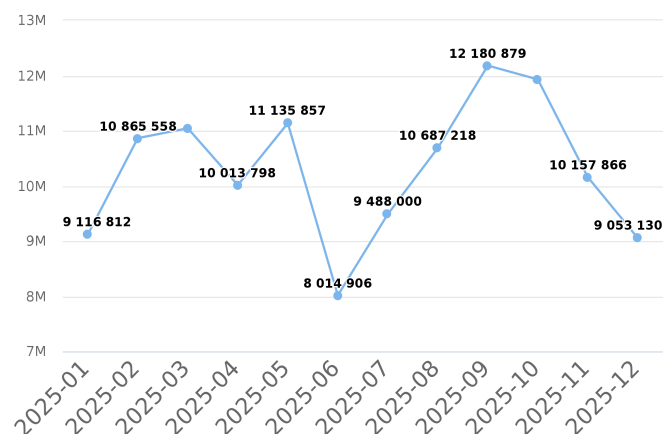
Madagascar Biodiversity Center, Parc Botanique et Zoologique des Tsimbazaza

CNARP

Centre National de Recherches sur l'Environnement

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

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

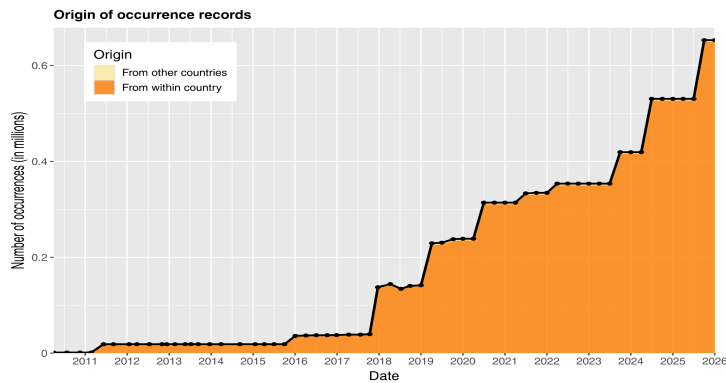


Number of occurrence records downloaded via GBIF.org published by institutions in Madagascar

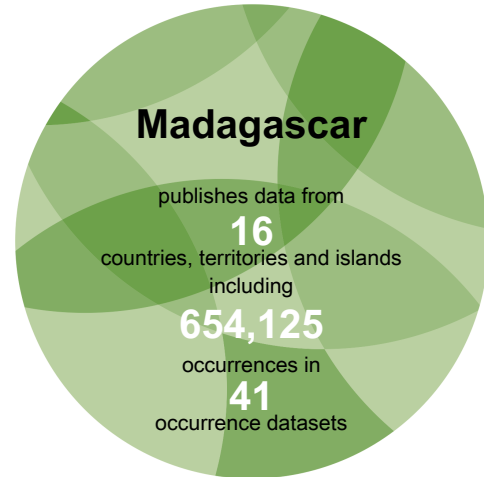


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Madagascar

Rank	Country or area	No. of occurrences
1	United States of America	1,093,927
2	Sweden	700,139
3	Madagascar	649,280
4	International organization or unknown country	286,849
5	France	264,476
6	United Kingdom	178,683
7	Netherlands	86,622
8	Belgium	54,161
9	Germany	53,184
10	Estonia	51,957

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

Top datasets contributing data about Madagascar

CO1 Amplicon Sequence Variants of bulk arthropod samples (mild lysis) collected with Malaise traps from the Insect Biome Atlas project in Madagascar. *655,493 occurrences in Madagascar.* (Last updated 27 May 2025)

EOD – eBird Observation Dataset. *578,002 occurrences in Madagascar.* (Last updated 29 Oct 2025)

Tropicos Specimens Non-MO. *430,730 occurrences in Madagascar.* (Last updated 31 Dec 2025)

International Barcode of Life project (iBOL). *280,533 occurrences in Madagascar.* (Last updated 28 Nov 2025)

Tropicos MO Specimen Data. *175,444 occurrences in Madagascar.* (Last updated 31 Dec 2025)

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



Madagascar participates in the following projects coordinated by GBIF

Using the CBD Clearing-House Mechanism to strengthen biodiversity data acquisition and data sharing

Capacity Enhancement Support Programme, 2019–2020

A new content management system, Bioland Tool, could use the Convention on Biological Diversity's CHM network and infrastructure to improve biodiversity data sharing

<https://www.gbif.org/project/79ZRBGx5dNXYpR2ijHKebK>

Mentoring Madagascar (MadBIF) - GBIF France

Capacity Enhancement Support Programme, 2015–2016

Guidance and technical support for Madagascar to implement a better data mobilization strategy and to mobilize and publish new data using the tools developed by GBIF.

<https://www.gbif.org/project/82213>

African Insect Atlas

BID: Biodiversity Information for Development, 2016–2018

This project is the first phase of the African Insect Atlas, which aims to unleash the potential of insects in conservation and sustainability research.

<https://www.gbif.org/project/82632>

The Forgotten African Islands - Addressing the gap in freshwater biodiversity knowledge for the Indian Ocean Islands

BID: Biodiversity Information for Development, 2017–2019

This project will address the need to manage the collation, digitisation, amendment and uploading of existing data for Ephemeroptera, Plecoptera and Trichoptera taxa and diatoms from the IOI to GBIF.

<https://www.gbif.org/project/PTXkKWR6QoECgQy6leacM>

Alien, native, and endemic grasses of Madagascar

BID: Biodiversity Information for Development, 2017–2019

This project will compile and mobilize all data on Madagascar grass species occurrence. Published research on which species are native will be used to compile the Grass Atlas of Madagascar. This Atlas will enable KMCC to develop a conservation strategy for valuable endemic grasses, and protected areas with grasslands.

<https://www.gbif.org/project/617jpsl7c4OkumSuqyQ0W6>

BRYOTAN

BID: Biodiversity Information for Development, 2017–2019

The BRYOTAN project aims to answer to the lack of biodiversity data for bryophytes with focus on mosses in Madagascar. Bryophytes have crucial ecological functions in humid forest and in open, dry ecosystems. Since the end of the nineteenth century more than 3000 dry mosses specimen are deposited in the herbarium of Parc Biologique Zoologique de Tsimbazaza, Antananarivo (TAN) and remain mostly unexploited. BRYOTAN project aims to build a database on Malagasy mosses (751 species reported) and to make taxonomic, geographical and temporal specimen data available.

<https://www.gbif.org/project/1AftOTKUtaumqCqCloi06G>

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