



Formation GBIF sur la qualité, la publication et l'utilisation des données sur la biodiversité - Antananarivo, 16-18 juin 2015

GBIF : Global Biodiversity Information Facility

Marie-Elise Lecoq (melecoq[@gbif.fr](mailto:melecoq@gbif.fr) ou gbif@gbif.fr)

Twitter : @gbiffrance



Global Biodiversity Information Facility

Free and Open Access to Biodiversity Data

542,356,572

OCCURRENCES

1,605,262

SPECIES

14,273

DATASETS

745

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FEATURED STORY

GBIF France launches new national data portal for biodiversity



Atlas of Living France provides free access to over 17 million biodiversity records published globally by institutions in France.

[Read more](#)

LATEST NEWS

June 12th, 2015
[Job opening at GBIF: system administrator](#)

May 29th, 2015
[GBIF France launches new national data portal for biodiversity](#)

May 22nd, 2015
[Africa Rising celebrates International Day for Biological Diversity with programme launch, joint declaration](#)

May 8th, 2015
[GBIF awards six capacity enhancement grants for 2015](#)

[More](#)

UPCOMING EVENTS

JUN
29
[6th GBIF Asian nodes meeting](#)
Taipei, Chinese Taipei

JUL
13
[Spatial ecology and conservation 3](#)
Bristol, United Kingdom

JUL
27
[Building Capacity for Conservation & Resource Management in Africa](#)
Nairobi, Kenya

AUG
02
[ICCB-ECCB 2015 Conference](#)
Montpellier, France

[More](#)

GBIF Newsroom

News and events from around the GBIF community

Summary

News

Uses of data

Opportunities

Events

Newsletter

Consultations

FEATURED

GBIF France launches new national data portal for biodiversity

Atlas of Living France provides free access to over 17 million biodiversity records published globally by institutions in France.

[Read more](#)



Global Biodiversity Information Facility
Système Mondial d'Information sur la Biodiversité

> Accès libre et gratuit aux données de la biodiversité

BETA



S'INFORMER - CONTRIBUER - CONSULTER - UTILISER - RESSOURCES - PARTENAIRES

Accueil / Contribuer / Portail Atlas of Living France

Vendredi 29 Mai 2015

LES DONNÉES FRANÇAISES SUR LA BIODIVERSITÉ

Le portail français du GBIF ouvre l'accès aux données primaires sur la biodiversité fournies par des institutions françaises. Ces données d'occurrences d'espèces sont issues de collections ou d'observations de terrain et ont une distribution géographique mondiale.

CONSULTER LES 17 566 251 OCCURRENCES

Nom scientifique



Recherche avancée

LES COLLECTIONS



148 JEUX DE DONNÉES



PORTAIL SPATIAL





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14,273

DATASETS

745

DATA PUBLISHERS

Data ▾

News ▾

Community ▾

About ▾

Explore occurrences

Explore species

Explore dataset

Explore by country

Explore data trends

Publishing data

Using Data

Infrastructure

Sharing biodiversity data for re-use

[Learn about GBIF](#)

[Publish your data through GBIF](#)

[Technical infrastructure](#)

Providing evidence for research and decisions

[Using data through GBIF](#)

[Enabling biodiversity science](#)

[Supporting global targets](#)

Collaborating as a global community

[Current Participants](#)

[How GBIF is funded](#)

[Enhancing capacity](#)

Madagascar

A GBIF Voting Participant from Africa

Names of countries, territories and islands are based on the [ISO 3166-1](#) standard.

Summary

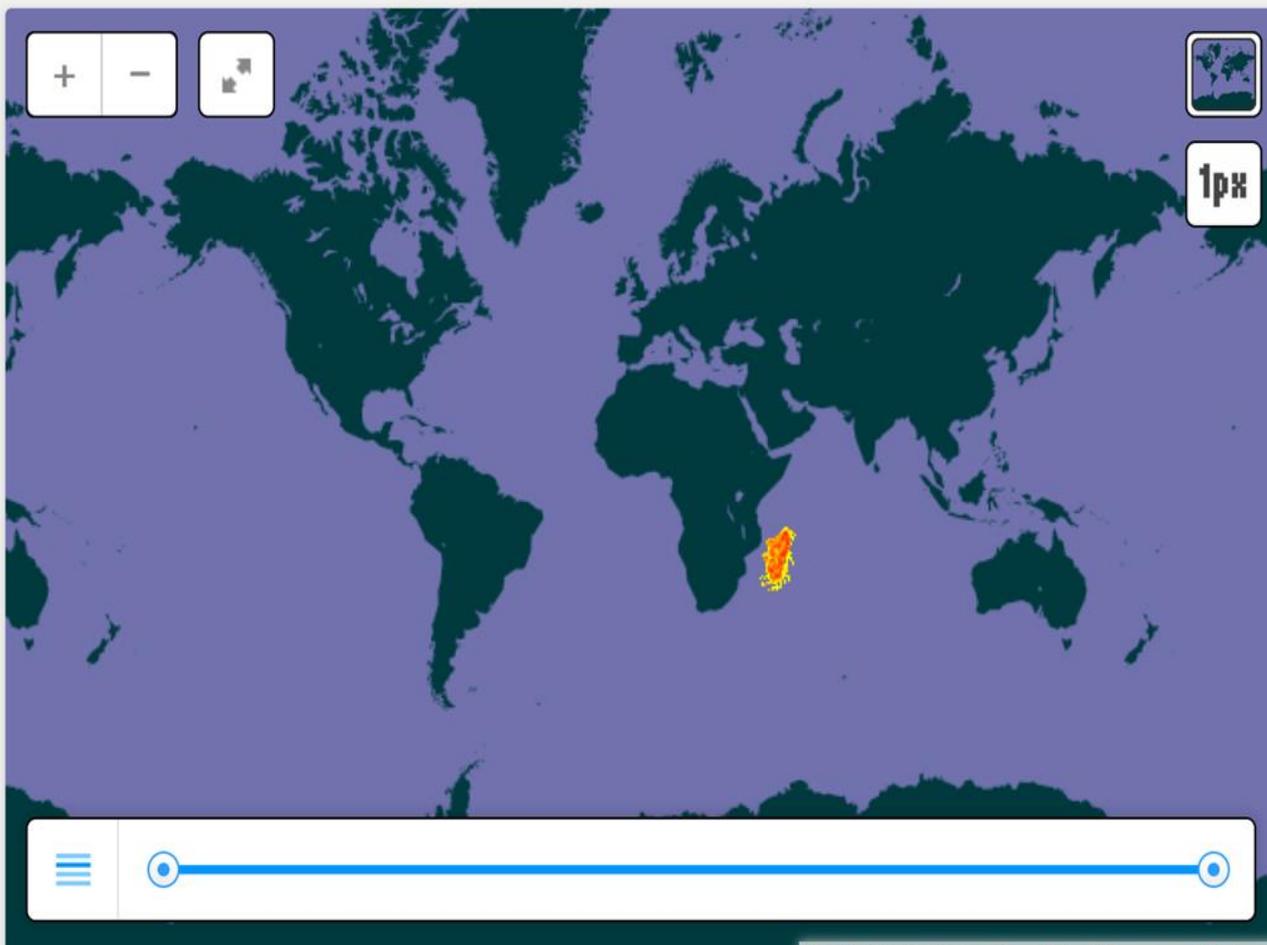
Data About

Data Publishing

Participation

News and Events

Publications



Data about Madagascar

- [552 occurrence datasets](#) with [1,187,819 records](#).
- No checklist datasets.
- No metadata-only datasets relevant to Madagascar.
- [36 countries](#) contribute data about Madagascar.

[View records shown on the map](#)

Madagascar

A GBIF Voting Participant from Africa

Names of countries, territories and islands are based on the ISO 3166-1 standard.

Summary

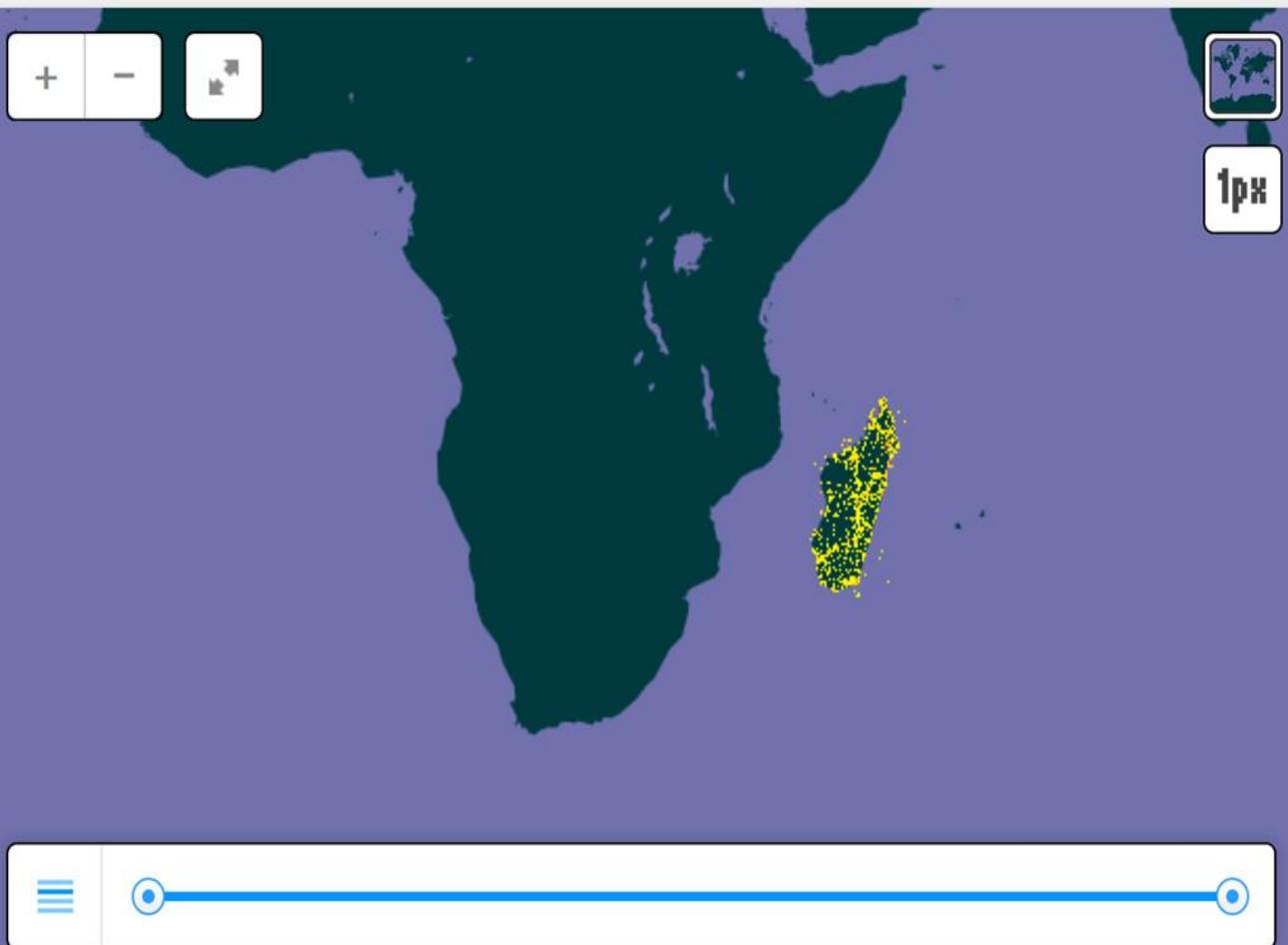
Data About

Data Publishing

Participation

News and Events

Publications



Data from Madagascar

- [3 occurrence datasets](#) with [18,748 records](#).
- No checklist datasets.
- No metadata-only datasets.
- Madagascar publishes data covering [1 countries, territories and islands](#).

[View records shown on the map](#)

Participation

MEMBER STATUS

Voting Participant

GBIF PARTICIPANT SINCE

2003

GBIF REGION

Africa

HEAD OF DELEGATION

[Félicitée Rejo Fienena](#)

PARTICIPANT NODE MANAGER

[Jaona Ranaivo](#)

Node

NODE NAME

GBIF Madagascar

ADDRESS

Centre National de Recherches sur
l'Environnement

17, rue Rasamimanana FIADANANA
BP: 1739

101

Antananarivo

cnre@cnre.mg

002610202226469

NODE ESTABLISHED

2003

WEBSITE

Contacts

| | |
|---|---------------------|
| <i><u>Félicitée Rejo Fienena</u></i> | Head of Delegation |
| <i><u>Heriniaina Ramanankierana</u></i> | Additional Delegate |
| <i><u>Jaona Ranaivo</u></i> | Additional Delegate |
| <i><u>Hery Lisy Ranarijaona</u></i> | Additional Delegate |
| <i><u>Jaona Ranaivo</u></i> | Node Manager |
| <i><u>Andry Jean Marc Rakotomanjaka</u></i> | Node Team |

Endorsed Publishers

- [Centre National pour le Développement Rural - Madagascar \(FOFIFA\)](#)
A data publisher from Madagascar with 1 published dataset.
- [Madagascar Biodiversity Information Facility \(MadBIF\)](#)
A data publisher from Madagascar.
- [Parc Botanique et Zoologique de Tsimbazaza \(P.B.Z.T.\)](#)
A data publisher from Madagascar with 1 published dataset.
- [Réseau de la Biodiversité de Madagascar \(REBIOMA\)](#)
A data publisher from Madagascar.
- [Wildlife Conservation Society - Madagascar Program \(WCS - Mad\)](#)
A data publisher from Madagascar with 1 published dataset.



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OCCURRENCES

1,605,262

SPECIES

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DATASETS

745

DATA PUBLISHERS

Data ▾

News ▾

Community ▾

About ▾

Explore occurrences

Explore species

Explore dataset

Explore by country

Explore data trends

Publishing data

Using Data

Infrastructure

Sharing biodiversity data for re-use

[Learn about GBIF](#)

[Publish your data through GBIF](#)

[Technical infrastructure](#)

Providing evidence for research and decisions

[Using data through GBIF](#)

[Enabling biodiversity science](#)

[Supporting global targets](#)

Collaborating as a global community

[Current Participants](#)

[How GBIF is funded](#)

[Enhancing capacity](#)

Explore 542,356,572 occurrences

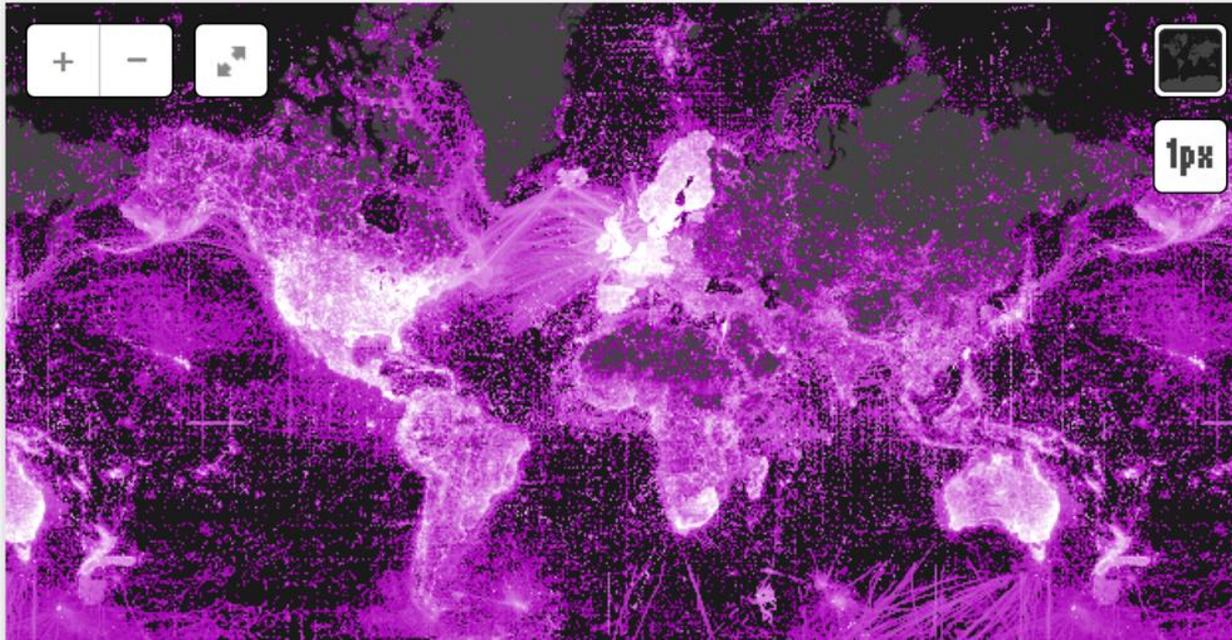
Occurrence records document evidence of a named organism in nature. Through this portal, you can [search](#), [view](#) and [download](#) records that are published through the GBIF network.

542,356,572

occurrences records

470,823,405

georeferenced records



Georeferenced data

VIEW RECORDS

[All records](#) | [In viewable area](#)

ABOUT

This map shows the density of all 470,823,405 georeferenced occurrence records published through the GBIF network.

To explore the records, zoom into the map or click on the links above and add further filters to

Taxonomic characteristics

The following provides a summary of number of records per kingdom. Further filters, such as a location or temporal filter, may be applied when [exploring the data](#).

373,953,187

(68.9497%)

Animalia records

143,597,774

(26.4766%)

Plantae records

10,467,907

(1.9301%)

Fungi records

5,038,555

(0.929%)

Protozoa records

2,401,264

(0.4427%)

Chromista records

1,142,362

(0.2106%)

Bacteria records

927,435

(0.171%)

Other records

18,467

(0.0034%)

Archaea records

8,838

(0.0016%)

Viruses records

Record type characteristics

Records may originate from a variety of means, such as a scientist collecting a specimen or an individual recording the sighting of an organism. This is classified by the [Darwin Core basisOfRecord](#) standard.

286,696,483

(52.861%)

Human Observation records

107,486,629

(19.818%)

Specimen records

100,919,492

(18.608%)

Observation records

39,976,851

(7.371%)

Unknown evidence records

4,537,320

(0.837%)

Fossil records

1,438,533

(0.265%)

Machine Observation records

833,192

(0.154%)

Living Specimen records

458,254

(0.084%)

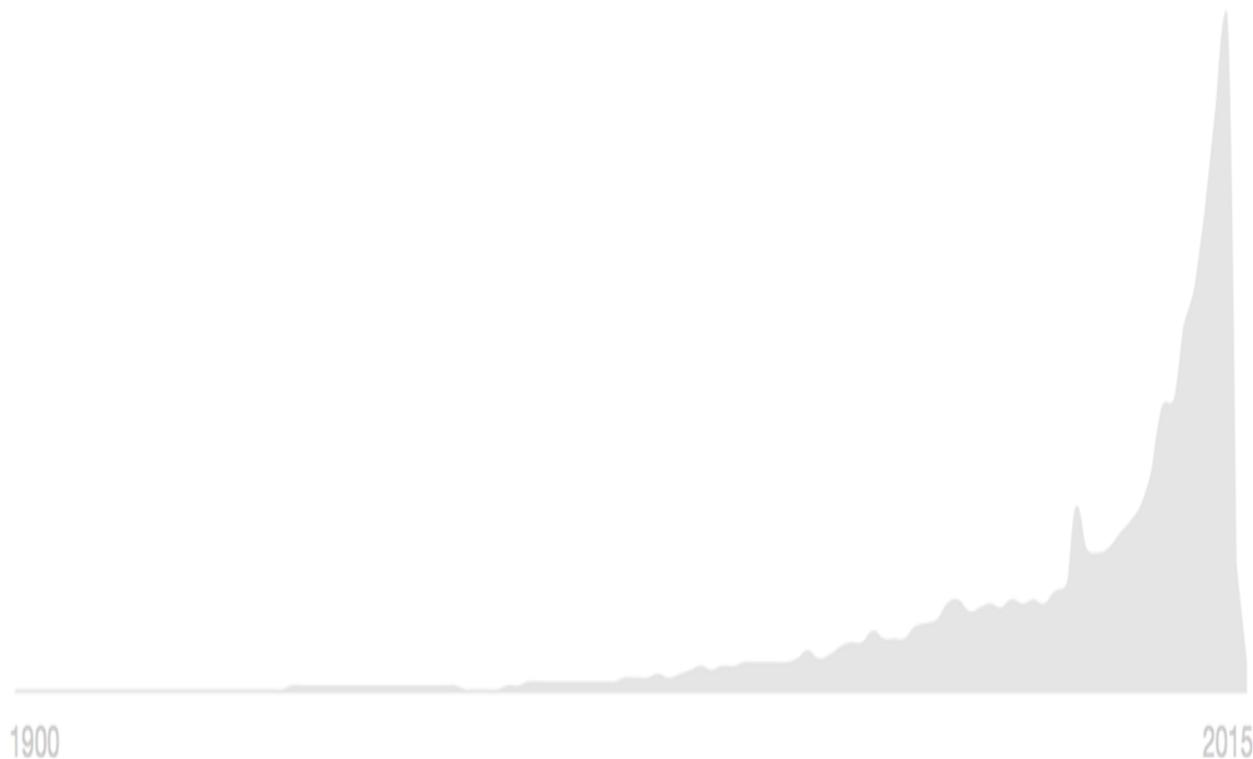
Literature Occurrence records

10,600

(0.002%)

Material sample records

Temporal characteristics



This visualization shows the growth in occurrences recorded [after 1900](#). GBIF provides access to many older records, and you can add date range filters to search content for any period.

For example, [here is a filtered view](#) for records between 1850 and 1950.

Search occurrences

Use the filters to customize search results

542,341,375

Occurrences

Download

542,341,375 results

 Configure  Add a filter

| | LOCATION | BASIS OF RECORD | DATE |
|---|----------------------------|-----------------|----------|
| 675557851 · Cat. 24317 Desmognathus fuscus (Rafinesque, 1820) Published in Biodiversity Research and Teaching Collections - TCWC Verteb... | United States N/A | Specimen | 1 / 2015 |
| 1075089726 · Cat. 548589 Amegilla murrayensis (Rayment, 1935) Published in Museum of Comparative Zoology, Harvard University | Australia -34.92/138.61 | Specimen | 1 / 2015 |
| 1075090386 · Cat. 548590 Amegilla murrayensis (Rayment, 1935) Published in Museum of Comparative Zoology, Harvard University | Australia -34.92/138.61 | Specimen | 1 / 2015 |

542,341,375 results

[Configure](#)
[Add a filter](#)

| | LOCATION | BASIS OF RECORD | |
|---|----------------------------|-------------------|--|
| 675557851 · Cat. 24317 Desmognathus fuscus (Rafinesque, 1820) Published in Biodiversity Research and Teaching Collections - TCWC Verteb... | United States N/A | Specimen | Scientific name Country Location Establishment Means Basis of record Type status Multimedia types Collector Record number OccurrenceID Collection date Year Month Last modified in GBIF Catalogue number Dataset Institution code Collection code Publishing country Elevation Depth Issues |
| 1075089726 · Cat. 548589 Amegilla murrayensis (Rayment, 1935) Published in Museum of Comparative Zoology, Harvard University | Australia -34.92/138.61 | Specimen | |
| 1075090386 · Cat. 548590 Amegilla murrayensis (Rayment, 1935) Published in Museum of Comparative Zoology, Harvard University | Australia -34.92/138.61 | Specimen | |
| 1074454842 · Cat. SPXC1501080W Opercularia varia Hook.f. Published in OEH Atlas of NSW Wildlife | Australia -35.39/150.43 | Human Observation | |
| 1074454875 · Cat. SPXC15010804 Lepidosperma laterale R.Br. Published in OEH Atlas of NSW Wildlife | Australia -35.39/150.43 | Human Observation | |
| 1074454905 · Cat. SPXC15010900 Polymeria calycina R.Br. Published in OEH Atlas of NSW Wildlife | Australia -35.39/150.43 | Human Observation | |
| 1074479133 · Cat. SPXE15012700 Cracticus torquatus (Latham, 1802) | Australia | Human Observation | |

1,187,831 results

 Configure  Add a filter

INSTITUTION CODE

Type an institution code...

FILTERS

MNHN ✕

Apply

COUNTRY

Madagascar ✕

| | LOCATION | BASIS OF RECORD | DATE |
|---|----------------------------|-------------------|----------|
| 1065605679 · Cat. 1215461 Malvaceae Juss. Published in iNaturalist research-grade observations | Madagascar -20.29/46.21 | Human Observation | 1 / 2015 |
| 1065603900 · Cat. 1209677 Disa caffra Bolus Published in iNaturalist research-grade observations | Madagascar -20.84/47.29 | Human Observation | 1 / 2015 |
| 1065604580 · Cat. 1211792 Calanthe sylvatica (Thouars) Lindl. Published in iNaturalist research-grade observations | Madagascar -20.72/47.22 | Human Observation | 1 / 2015 |

172,861 results

 [Configure](#)  [Add a filter](#)

INSTITUTION CODE

MNHN 

COUNTRY

Madagascar 

| | LOCATION | BASIS OF RECORD | DATE |
|---|----------------------------|-----------------|----------|
| 1019562796 · Cat. P00853035 Institution: MNHN Socratina Balle Published in Vascular plants collection (P) of the Muséum national d'Hist... | Madagascar -18.12/44.45 | Specimen | 3 / 2013 |
| 1019596646 · Cat. P02089071 Institution: MNHN Ravenea louvelii Beentje Published in Vascular plants collection (P) of the Muséum national d'Hist... | Madagascar -18.40/48.78 | Specimen | 1 / 2012 |
| 1019596634 · Cat. P02089070 Institution: MNHN Ravenea louvelii Beentje Published in Vascular plants collection (P) of the Muséum national d'Hist... | Madagascar -18.40/48.78 | Specimen | 1 / 2012 |
| 1019596625 · Cat. P02089069 Institution: MNHN Ravenea louvelii Beentje Published in Vascular plants collection (P) of the Muséum national d'Hist... | Madagascar -18.40/48.78 | Specimen | 1 / 2012 |

GBIF 197093258

Human Observation of *Eulemur mongoz* (Linnaeus, 1766) recorded on Feb 3, 1997

from Rapid Assessment Program (RAP) Biodiversity Survey Database dataset

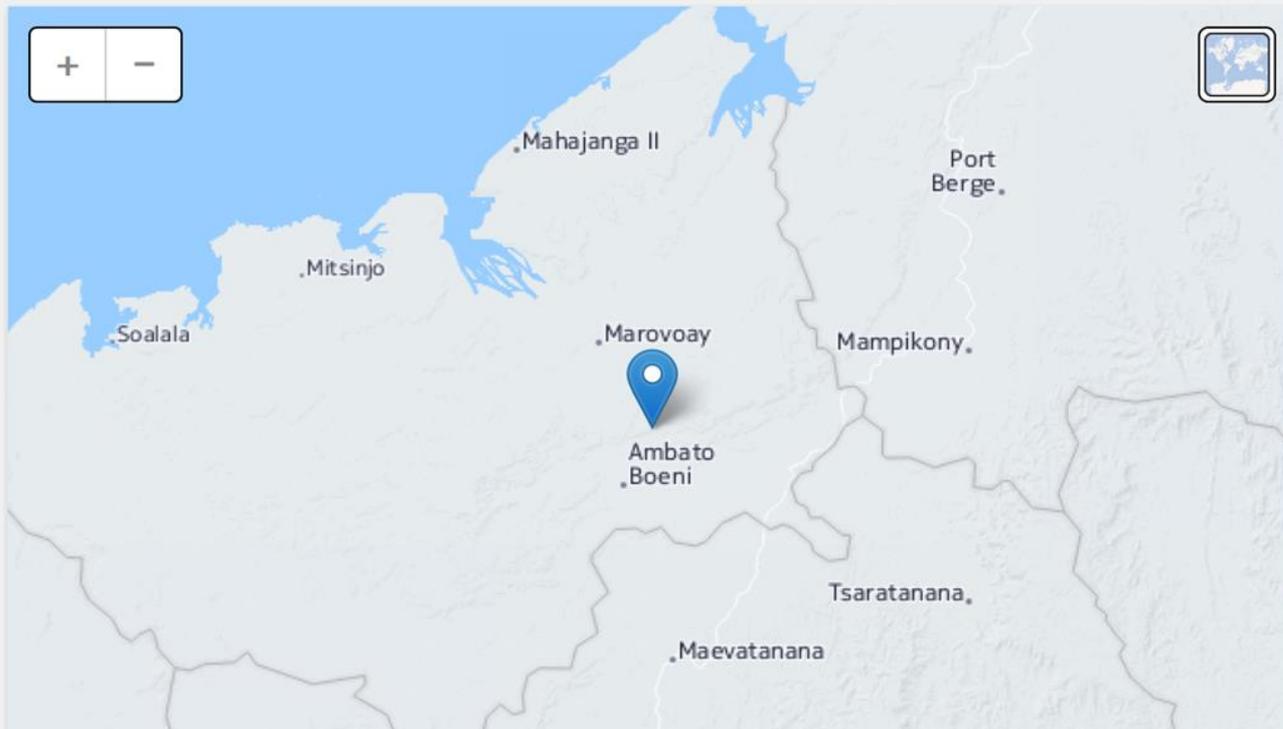
Information

Verbatim

INTERPRETATION ISSUES

GBIF found issues interpreting the verbatim content of this record:

- Geodetic datum assumed WGS84



Location

LOCALITY

Ankarokaroka, [Madagascar](#)

46.793, -16.338

Source details

DATA PUBLISHER

[Conservation International](#)

INSTITUTION CODE

Conservation International

DATASET

[Rapid Assessment Program \(RAP\) Biodiversity Survey Database](#)

COLLECTION CODE

30

BASIS OF RECORD

Human Observation

GBIF ID

197093258

CATALOG NUMBER

63383

Citation and licensing

DEFAULT CITATION

Conservation International: Rapid Assessment Program (RAP) Biodiversity Survey Database.
Accessed via <http://www.gbif.org/occurrence/197093258> on 2015-06-12



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OCCURRENCES

1,605,262

SPECIES

14,273

DATASETS

745

DATA PUBLISHERS

Data ▾

News ▾

Community ▾

About ▾

Explore occurrences

Explore species

Explore dataset

Explore by country

Explore data trends

Publishing data

Using Data

Infrastructure

Sharing biodiversity data for re-use

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[Technical infrastructure](#)

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[Using data through GBIF](#)

[Enabling biodiversity science](#)

[Supporting global targets](#)

Collaborating as a global community

[Current Participants](#)

[How GBIF is funded](#)

[Enhancing capacity](#)



Search 1,605,262 species

of the [GBIF Backbone Taxonomy](#)

[Mammals](#) · [Birds](#) · [Insects](#) · [Reptiles](#) · [Fishes](#) · [Butterflies](#) · [Fungi](#) · [Flowering Plants](#)

1,605,262

Confirmed species in the
[Catalogue of Life](#)

891,852

Names under review



Search species

Lemuridae



74 results for "Lemuridae"

ACCEPTED FAMILY

[Lemuridae](#) Gray, 1821

[Animalia](#) › [Chordata](#) › [Mammalia](#) › [Primates](#)

Lemuridae is a family of strepsirrhine primates native to Madagascar, and one of five famil...

ACCEPTED SPECIES

[Eulemur coronatus](#) (Gray, 1842)

[Animalia](#) › [Chordata](#) › [Mammalia](#) › [Primates](#) › [Lemuridae](#) › [Eulemur](#)

...e der Gewöhnlichen Makis (*Lemuridae*) innerhalb der Lemuren (Lemuriformes).

ACCEPTED SPECIES

[Eulemur macaco](#) (Linnaeus, 1766)

[Animalia](#) › [Chordata](#) › [Mammalia](#) › [Primates](#) › [Lemuridae](#) › [Eulemur](#)

...e der Gewöhnlichen Makis (*Lemuridae*) innerhalb der Lemuren (Lemuriformes). Der Blauaugenma...

ACCEPTED SPECIES

[Eulemur collaris](#) É. Geoffroy, 1812

[Animalia](#) › [Chordata](#) › [Mammalia](#) › [Primates](#) › [Lemuridae](#) › [Eulemur](#)

...ies of brown lemur in the *Lemuridae* family. It is only found in south-eastern Madagascar. ...

Refine your search

reset

DATASET

- [GBIF Backbone Taxonomy](#) (74)
- [IUCN Red List of Threatene...](#) (52)
- [NCBI Taxonomy](#) (42)
- [English Wikipedia - Specie...](#) (38)
- [Interim Register of Marine...](#) (36)
- [Catalogue of Life](#) (33)

[more](#) ›

HIGHER TAXON

- [Animalia](#) (73)
- [Chordata](#) (73)
- [Mammalia](#) (73)
- [Primates](#) (72)
- [Lemuridae](#) (66)
- [Eulemur](#) (22)

[more](#) ›

Lemuridae Gray, 1821

Family in GBIF Backbone Taxonomy

Animalia › Chordata › Mammalia › Primates

3,230

Occurrences

29

Species

[View occurrences](#)

Information

Overview

FULL NAME

Lemuridae Gray, 1821

COMMON NAMES

▪ *Gewöhnliche Makis* deu

[more](#) ›

TAXONOMIC STATUS

Accepted family

ACCORDING TO

The Catalogue of Life, 3rd January 2011

PUBLISHED IN

London Med. Repos. vol. 15 p. 296

HABITAT

Not marine



EXTERNAL LINKS

- [Encyclopedia of Life](#)
- [Catalogue of Life](#)
- [Biodiversity Heritage Library](#)

GBIF ID **5485**

Search occurrences

Use the filters to customize search results

3,249

Occurrences

Download

3,249 results

 [Configure](#)  [Add a filter](#)

SCIENTIFIC NAME

Lemuridae Gray, 1821 ✕

| | LOCATION | BASIS OF RECORD | DATE |
|---|----------------------------|-------------------|----------|
| 1088961604 · Cat. 1433545 Eulemur macaco (Linnaeus, 1766) Published in iNaturalist research-grade observations | Madagascar -13.41/48.37 | Human Observation | 2 / 2015 |
| 1065821741 · Cat. YPM MAM 005259 Lemur catta Linnaeus, 1758 Published in Vertebrate Zoology Division - Mammalogy, Yale Peabody Museum | N/A | Specimen | 4 / 2014 |
| 891726293 · Cat. 364629 Eulemur fulvus (É. Geoffroy Saint-Hilaire, 1810) Published in iNaturalist research-grade observations | Madagascar -18.92/48.49 | Human Observation | 8 / 2013 |
| 812666601 · Cat. Mammal-30580 Lemur catta Linnaeus, 1758 Published in iNaturalist research-grade observations | N/A | Specimen | - / 2012 |



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542,356,572

OCCURRENCES

1,605,262

SPECIES

14,273

DATASETS

745

DATA PUBLISHERS

Data ▾

News ▾

Community ▾

About ▾

Explore occurrences

Explore species

Explore dataset

Explore by country

Explore data trends

Publishing data

Using Data

Infrastructure

Sharing biodiversity data for re-use

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[Technical infrastructure](#)

Providing evidence for research and decisions

[Using data through GBIF](#)

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[Current Participants](#)

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Search 

12,594

occurrences datasets

1,650

checklists

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[Photos of Berlin herbarium](#)



tef-database

Occurrence dataset published by [Centre National pour le Développement Rural - Madagascar \(FOFIFA\)](#)

8,097

Occurrences

[View occurrences](#)[Information](#)[Stats](#)[Activity](#)

Summary

FULL TITLE

tef-database

DESCRIPTION

L'Herbier du FO.FI.FA (TEF) a été créé en 1948 par René Capuron comme partie intégrante du service national des forêts. Il est actuellement géré par le Centre national de la recherche appliquée au développement rural (FO.FI.FA). Ses collections sont principalement composées d'arbres indigènes collectés à partir d'un réseau de zones protégées, forêts classées et stations forestières de [Madagascar](#). L'un des principaux objectifs du TEF est d'assurer la conservation d'une collection de référence de la flore ligneuse de [Madagascar](#). Il se consacre aussi à la collecte et à la conservation de données primaires permettant de déterminer le cadre taxinomique délimitant les espèces. C'est enfin une source d'information géographique sur la distribution des espèces. On estime que le TEF contient 60 000 spécimens. Un catalogue manuscrit complet des spécimens collectés par les agents du service forestier du FO.FI.FA est maintenu à jour. La numérisation des collections a débuté en 1992 en collaboration avec le Jardin botanique du Missouri (MBG). De nombreux spécimens du TEF sont

DOI [doi:10.15468/pucjqn](https://doi.org/10.15468/pucjqn)

PUBLISHED BY

[Centre National pour le Développement Rural - Madagascar \(FOFIFA\)](#)

REGISTRATION DATE

Mar 30, 2011

HOSTED BY

[Madagascar Biodiversity Information Facility \(MadBIF\)](#)

SERVED BY

[Madagascar Biodiversity Information Facility \(MadBIF\) IPT](#)

Search data publishers

Search by publisher title, country, contact email etc.



Results are ordered by the date of publisher registration, starting with the most recent.
Newly registered institutions yet to publish data, or awaiting endorsement, may be included in the results.



928 results

Museu Botânico Municipal

A data publisher from Curitiba, Brazil with 1 published datasets

Endorsed by [GBIF Brazil](#)

Natuurpunt

A data publisher from Mechelen, Belgium

Endorsed by [Belgium Biodiversity Information Facility](#)



Universidade Federal do Rio Grande do Sul

A data publisher from Porto Alegre, Brazil with 1 published datasets

Endorsed by [GBIF Brazil](#)

Instituto Federal de Educação, Ciência e Tecnologia do Amazonas

A data publisher from Manaus, Brazil with 1 published datasets

Centre National pour le Développement Rural - Madagascar (FOFIFA)

Data publisher. More info at: <http://www.fofifa.mg>

Information

Data publisher information

FULL TITLE

Centre National pour le Développement Rural - Madagascar (FOFIFA)

DESCRIPTION

Le FOFIFA représente la composante principale du Système National de Recherche Agricole à Madagascar. Placé sous la tutelle du Ministère de l'Education Nationale et de la Recherche Scientifique, il réalise toute les recherches intéressant le développement rural à part certaines recherches d'accompagnement exécutées dans des structures de production (cas du blé, de la pomme de terre).

TECHNICAL CONTACT

[Andry Rakotomanjaka](#)

ADDRESS

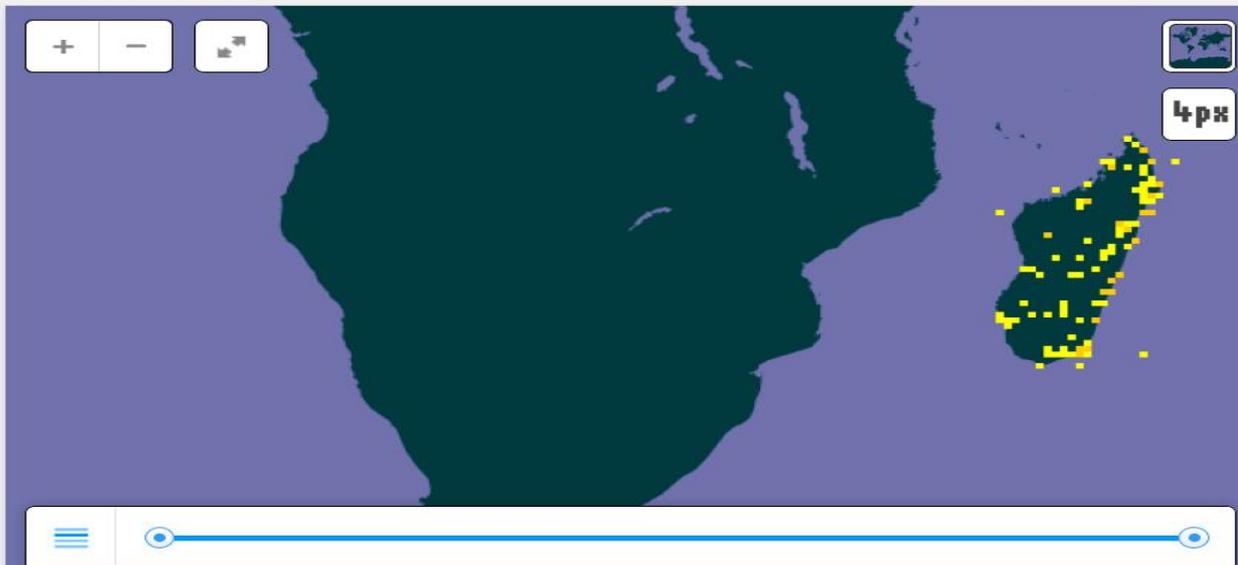
Centre National pour le Développement Rural - Madagascar (FOFIFA)
Madagascar

WEBSITE

<http://www.fofifa.mg>

ENDORSED BY

[GBIF Madagascar](#)



Georeferenced data

ABOUT

The map shows georeferenced data for all datasets published. 80% of all data is georeferenced.

Nouveau portail : exemple de Diveboard

www.diveboard.com



[Photo de Doug Anderson](#)

Diveboard est une **plate-forme de science participative sur la plongée**, où les plongeurs peuvent numériser ou enregistrer leurs plongées.

Cette base de données contient toutes les observations faites par les Diveboarders à travers le monde (principalement des poissons)

Les données sont connectées au portail **GBIF** : **15669 occurrences** actuellement et reliées à Encyclopedia of Life.

Travaux pratique 1 : l'exemple de Divebord

Ces données permettent de visualiser l'expansion d'espèces invasives, comme le poisson *Pterois* spp. :

Faire une recherche par espèce pour le taxon « Pterois ».

Cliquer sur le premier résultat (« Accepted Genus, *Pterois* Oken 1817 »)

Jouer avec le curseur temporel sous la carte pour voir quand apparait le « Pterois » dans la région des Caraïbe

Zoomer sur la carte au niveau des Caraïbes, cliquez sur le lien à droite « View records in viewable area » → beaucoup d'enregistrements individuels ont été fournis par des membres de Diveboard.

Cliquer sur n'importe quel enregistrement individuel et vous verrez la localisation exacte de l'observation, l'heure, la profondeur et le nom du plongeur.



Travaux pratique 2 : recherche d'occurences

Combien y a-t-il de spécimen de « *Psychrolutes marcidus* » récoltés avant 1980 en Australie ?



Travaux pratique 3 : recherche d'occurences

Combien d'occurrences récoltées par Grandidier à Madagascar sont connectées au GBIF ?



Contacts

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