



generated January 2025

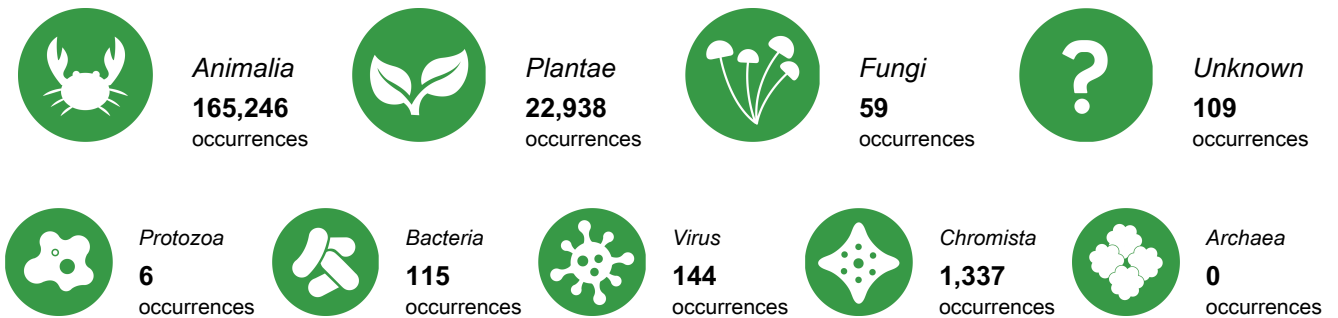
## Mauritania

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 Mauritania. 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.

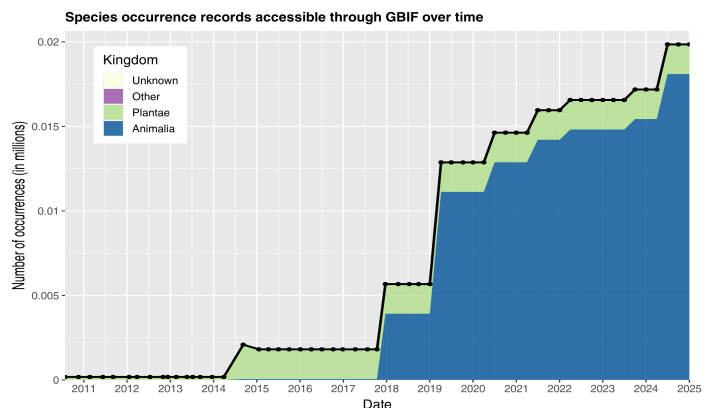
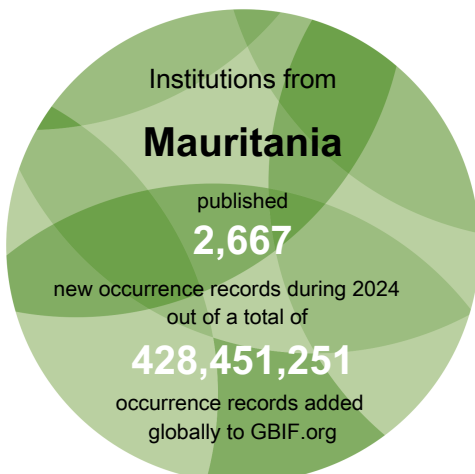
### ► Access and usage



### ► Data availability in Mauritania



### ► Data mobilization

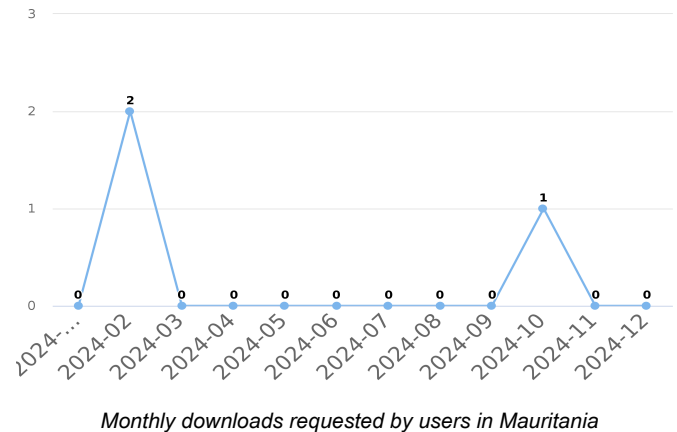
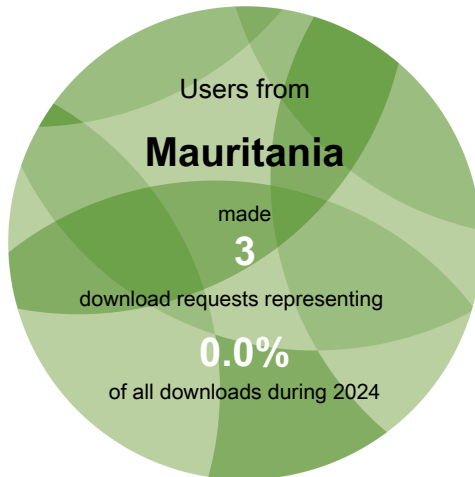


Number of records published by institutions in Mauritania, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in Mauritania



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

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 Mauritania.

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

Tavares, Assis, Larkin *et al.* (2023) Long range gene flow beyond predictions from oceanographic transport in a tropical marine foundation species. *Scientific Reports*.  
<https://doi.org/10.1038/s41598-023-36367-y>

Brito, Sow, Vale *et al.* (2022) Diversity, distribution and conservation of land mammals in Mauritania, North-West Africa. *PLOS ONE*.  
<https://doi.org/10.1371/journal.pone.0269870>

Tavares, Assis, Patrício *et al.* (2022) Seagrass Connectivity on the West Coast of Africa Supports the Hypothesis of Grazer-Mediated Seed Dispersal. *Frontiers in Marine Science*.  
<https://doi.org/10.3389/fmars.2022.809721>

Chefaoui, Duarte, Tavares *et al.* (2021) Predicted regime shift in the seagrass ecosystem of the Gulf of Arguin driven by climate change. *Global Ecology and Conservation*.  
<https://doi.org/10.1016/j.gecco.2021.e01890>

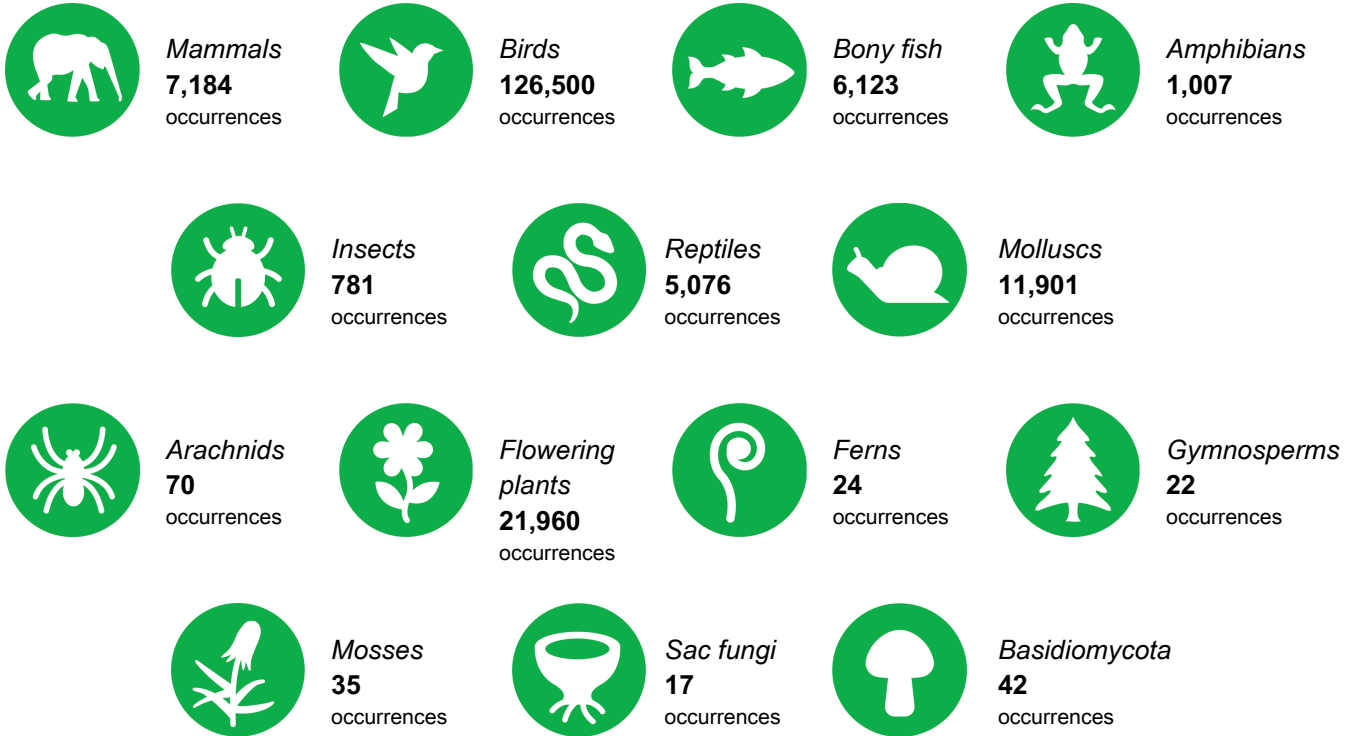
Robalo, Francisco, Vendrell *et al.* (2020) Against all odds: a tale of marine range expansion with maintenance of extremely high genetic diversity. *Scientific Reports*.  
<https://doi.org/10.1038/s41598-020-69374-4>

See all research from this country or area  
[gbif.org/country/MR/publications/from](https://gbif.org/country/MR/publications/from)



### Data availability

#### Total data available for selected taxonomic groups in Mauritania



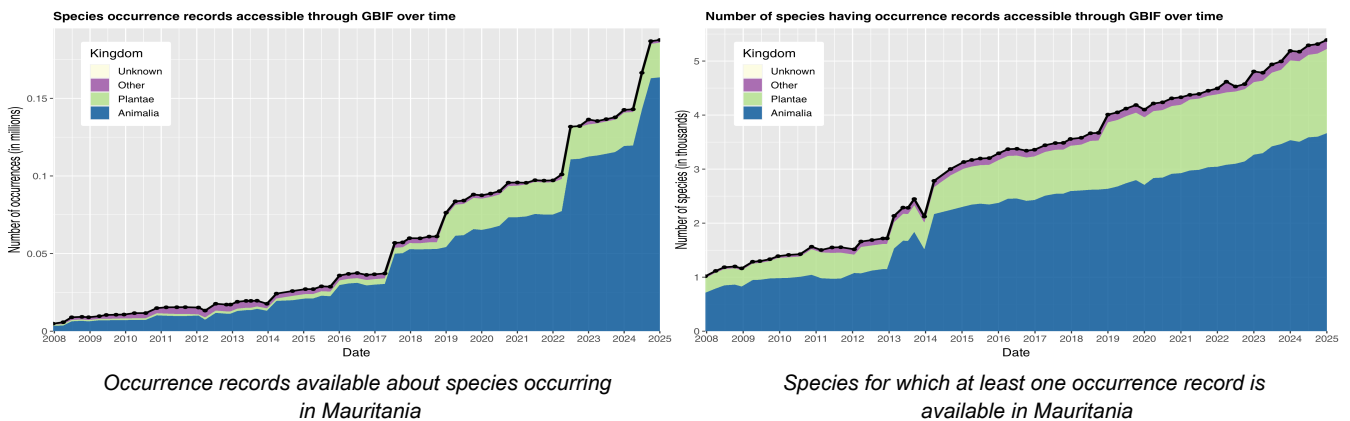
Mammals = Class *Mammalia*  
 Birds = Class *Aves*  
 Bony fish = Superclass *Osteichthyes* p.p.  
 Amphibians = Class *Amphibia*

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 Mauritania



**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 Mauritania

Liste des plantes du Parc National du Banc D'Arguin. *Published by le Parc National du Banc d'Arguin*  
<https://doi.org/10.15468/r9wlyy>

reptiles. *Published by Ecole Normale Supérieure de Nouakchott*  
<https://doi.org/10.15468/wcjri5>

crocodylus. *Published by Ecole Normale Supérieure de Nouakchott*  
<https://doi.org/10.15468/swok5h>

Fabaceae. *Published by Ecole Normale Supérieure de Nouakchott*  
<https://doi.org/10.15468/9lmgpb>

Herbier National de Mauritanie (HNM). *Published by Ecole Normale Supérieure de Nouakchott*  
<https://doi.org/10.15468/mz2hp2>

See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=MR](https://gbif.org/dataset/search?publishing_country=MR)

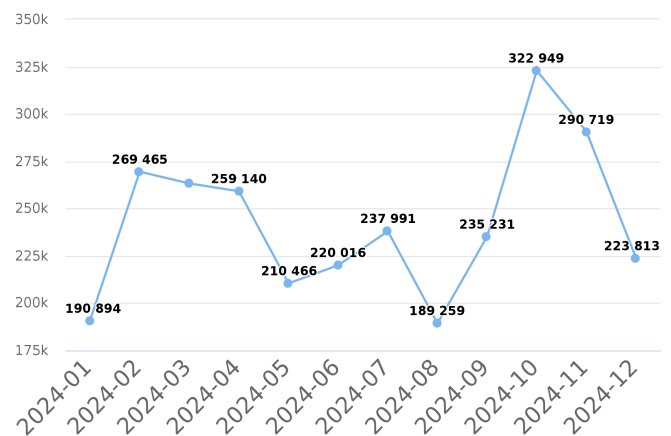
## Newest publishers from Mauritania

le Parc National du Banc d'Arguin

Ecole Normale Supérieure de Nouakchott

See all publishers from this country or area  
[gbif.org/publisher/search?country=MR](https://gbif.org/publisher/search?country=MR)

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

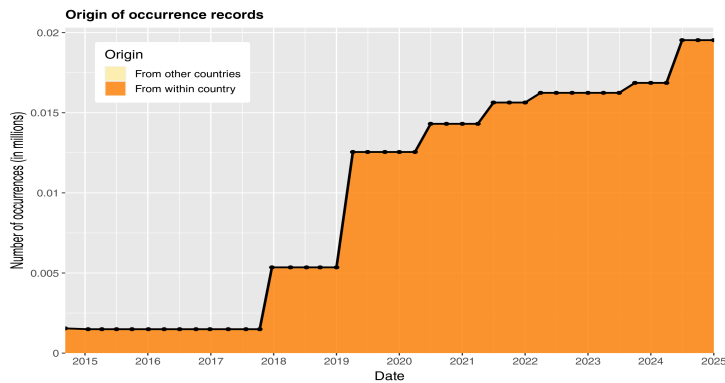


Number of occurrence records downloaded via GBIF.org published by institutions in Mauritania

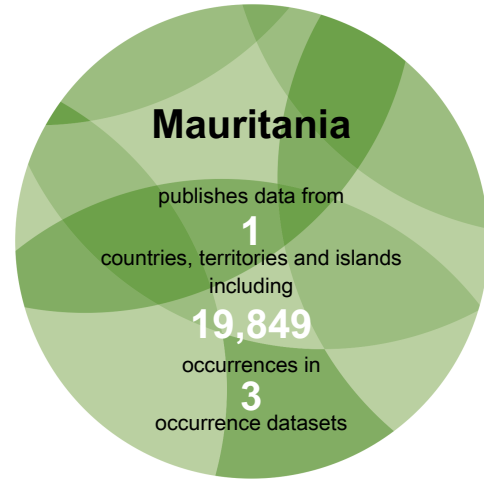


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Mauritania

Rank	Country or area	No. of occurrences
1	Belgium	97,379
2	France	22,400
3	Mauritania	19,849
4	Netherlands	18,848
5	Estonia	6,873
6	United States of America	6,158
7	Portugal	3,843
8	Germany	3,200
9	Spain	2,812
10	United Kingdom	2,551

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

### Top datasets contributing data about Mauritania

LBBG\_ZEEBRUGGE - Lesser black-backed gulls (*Larus fuscus*, Laridae) breeding at the southern North Sea coast (Belgium and the Netherlands). 39,699 occurrences in Mauritania. (Last updated 4 Sep 2024)

DELTATRACK - Herring gulls (*Larus argentatus*, Laridae) and lesser black-backed gulls (*Larus fuscus*, Laridae) breeding at Neeltje Jans (Netherlands). 21,059 occurrences in Mauritania. (Last updated 3 Sep 2024)

EOD – eBird Observation Dataset. 18,037 occurrences in Mauritania. (Last updated 27 Sep 2024)

FLOTROP, a massive contribution to plant diversity data for open ecosystems in Tropical Africa.. 15,454 occurrences in Mauritania. (Last updated 28 Aug 2019)

BOP\_RODENT - Rodent specialized birds of prey (*Circus*, *Asio*, *Buteo*) in Flanders (Belgium). 15,298 occurrences in Mauritania. (Last updated 3 Sep 2024)

See all contributing countries and areas or datasets: [gbif.org/country/MR/about](https://gbif.org/country/MR/about)



## Mauritania participates in the following projects coordinated by GBIF

### International workshop on invasive species in the sub-Saharan area

*Capacity Enhancement Support Programme, 2014–2015*

This bilingual regional training event will promote knowledge exchange between biodiversity experts and establish a coordinated early warning and response network for invasive alien species across the entire sub-Saharan region (Maghreb and Sahel).

<https://www.gbif.org/project/82223>

### Enhancing capacity to mobilize and use biodiversity data to support sustainable development in West Africa

*Capacity Enhancement Support Programme, 2020–2023*

The overall goal of this project is to enhance capacity for biodiversity data mobilization and development of information products in support of sustainable development in West Africa

<https://www.gbif.org/project/ImAtw3uVGVpjrpiYHAXvD>

### 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>

### GBIF Africa Nodes data mobilization, ecological niche modelling and data paper training and mentorship

*Capacity Enhancement Support Programme, 2015–2016*

This project is centred on providing practical training on ecological niche modelling and the preparation of data papers to participants from up to 10 nodes in Africa using real datasets for threatened or invasive species to be published to the GBIF network.

<https://www.gbif.org/project/82204>

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