

generated January 2025

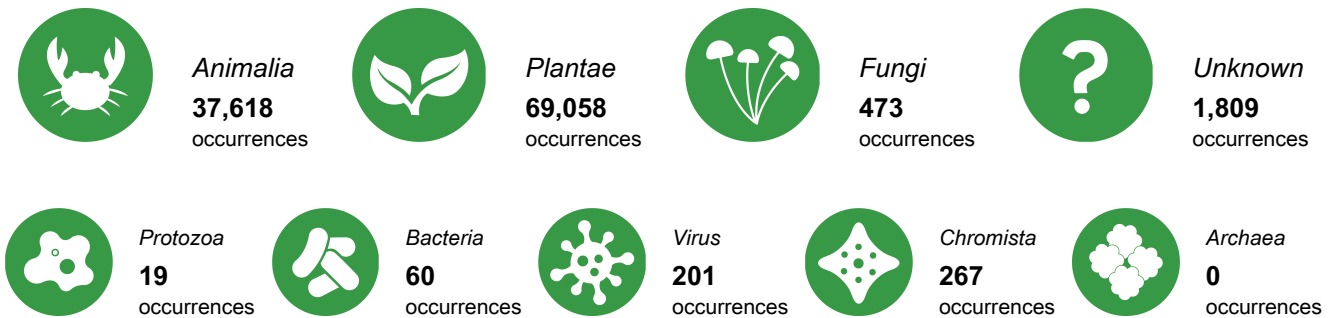
## Niger

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 Niger. 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.

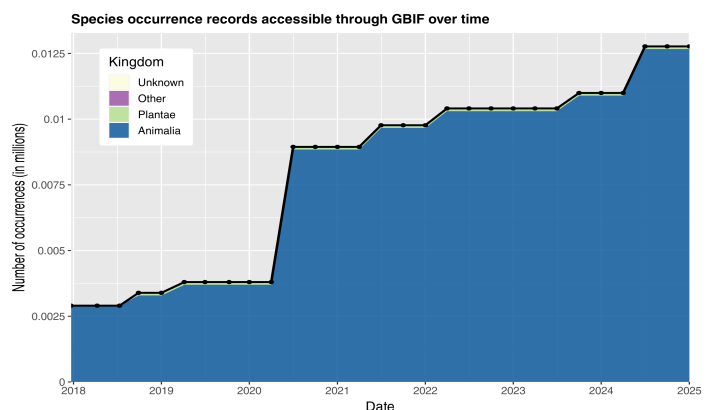
### ► Access and usage



### ► Data availability in Niger



### ► Data mobilization

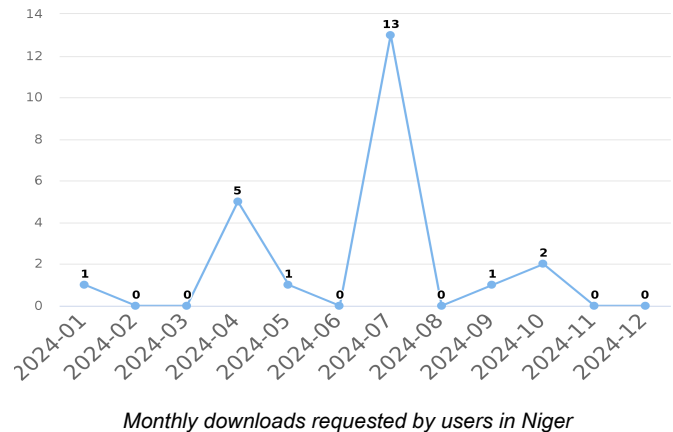
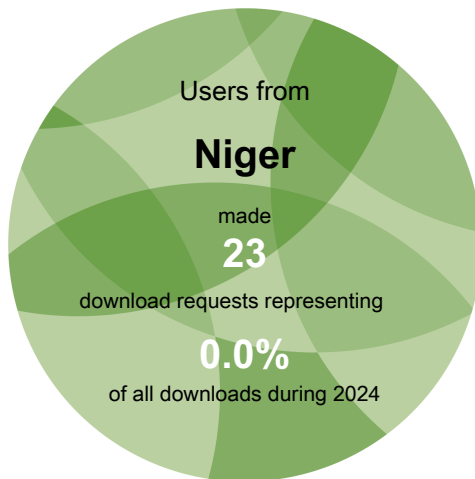


Number of records published by institutions in Niger, categorized by kingdom



## Access and usage

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



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

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 Niger.

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).

Sina, Soumana, Garba *et al.* (2024) Influence of Climatic Changes and Anthropogenic Activities on the Distribution and Habitats of *Senegalia senegal* in Niger: A Forecast and Ecological Analysis. *Journal of Geoscience and Environment Protection*.  
<https://doi.org/10.4236/gep.2024.1211002>

Kanda, Da, Maârrouhi *et al.* (2024) Assessment of Climate Change Impact on Future Distribution of Palm Trees in Niger, West Africa. *Discover Sustainability*.  
<https://doi.org/10.1007/s43621-024-00387-z>

ALI, GARBA. (2023) Impact of Climate Change on the Extent of Favorable Areas for the Future Distribution of Multipurpose Agro Forestry Species in Niger: The Case of *Vitellaria Paradoxa* C.F. Gaertn. *International Journal of Innovative Science and Research Technology*.  
<https://doi.org/10.5281/zenodo.8126010>

Ramirez-Villegas, Khoury, Achicanoy *et al.* (2022) State of ex situ conservation of landrace groups of 25 major crops. *Nature Plants*.  
<https://doi.org/10.1038/s41477-022-01144-8>

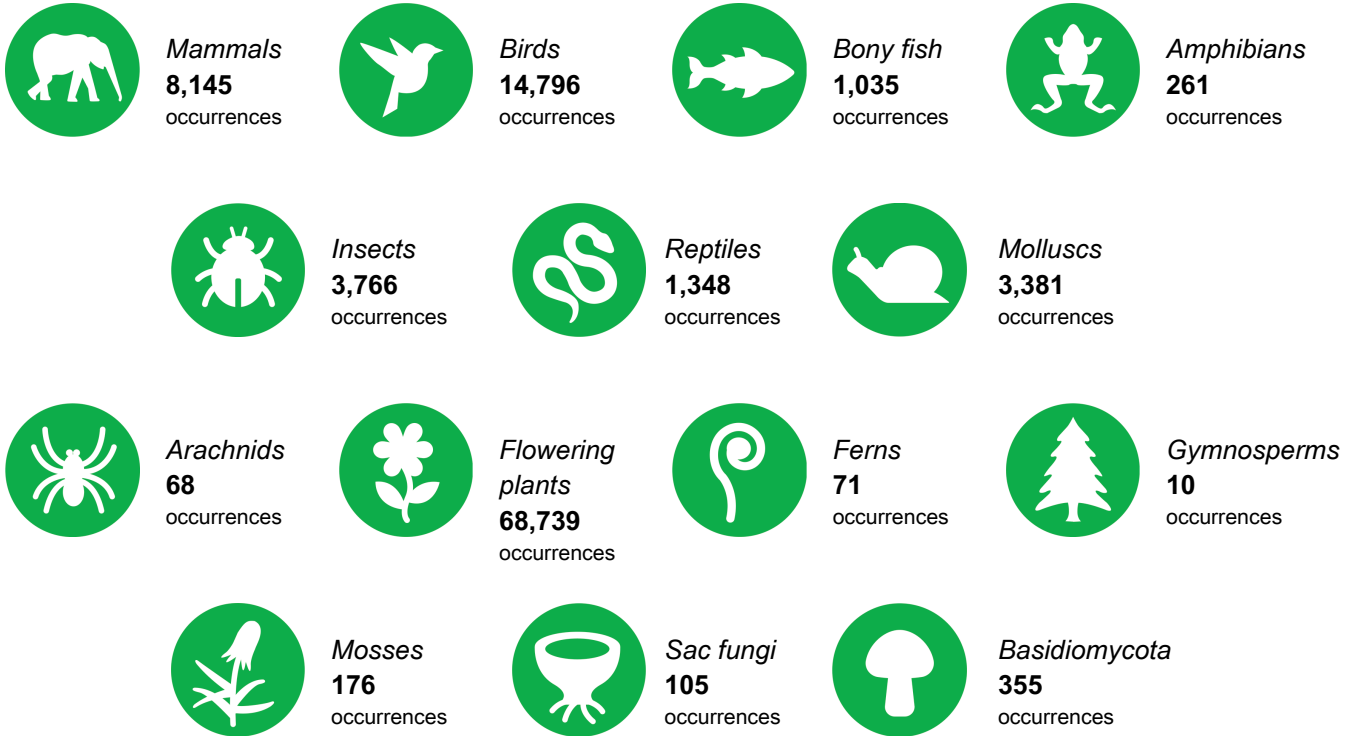
Issoufou, Soumana, Issaharou Matchi *et al.* (2022) Forecasting the distribution of *Anogeissus leiocarpa* (DC.) Guill. & Perr. by using an ensemble modelling in Niger, West Africa. *Discover Sustainability*.  
<https://doi.org/10.1007/s43621-022-00076-9>

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



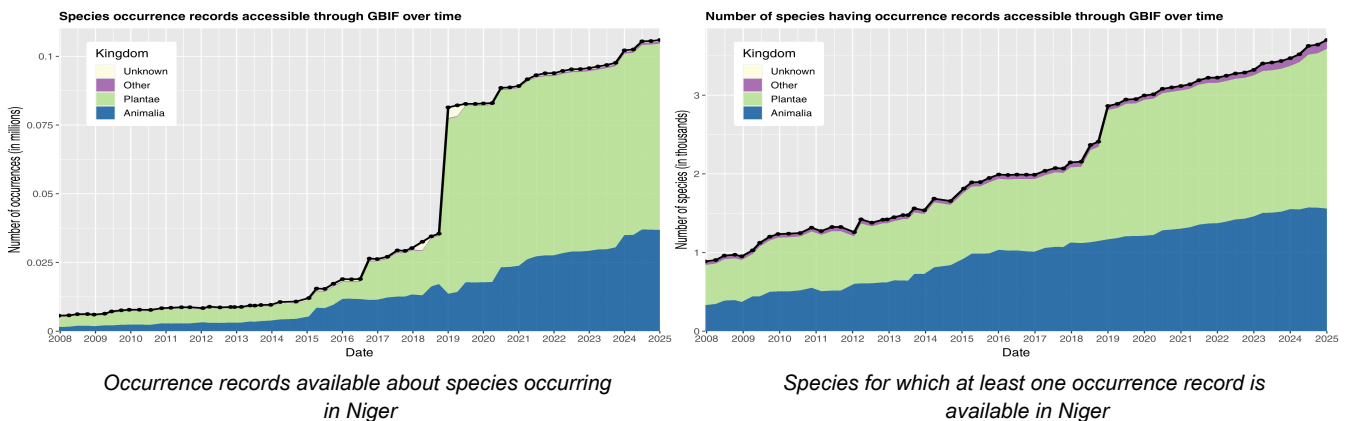
### Data availability

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



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 Niger



**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 Niger

Specimens d'herbier de la flore du Niger. *Published by Centre National des Semences Forestières*  
<https://doi.org/10.15468/we6uaw>

Répertoire des espèces de poisson inventoriées dans le fleuve Niger, de Niamey à Say. *Published by Direction de la Pêche et de l'Aquaculture*  
<https://doi.org/10.15468/vzj8dk>

Inventaire de la faune aviaire et de l'Ichtyofaune de la mare de l'Abarkaizé et des Oiseaux de Dan Saga. *Published by Faculté d'Agronomie et Sciences de l'Environnement / Université Dan Dicko Dankoulodo de Maradi-Niger*  
<https://doi.org/10.15468/luzvny>

Les espèces du genre *Micrasterias* de milieux humides du fleuve Niger (Niamey). *Published by FAST/ Département de Biologie/Université Abdou Moumouni*  
<https://doi.org/10.15468/xqxdzk>

Inventaire des espèces végétales de la vallée de Gounti Yéna (Niamey). *Published by FAST/ Département de Biologie/Université Abdou Moumouni*  
<https://doi.org/10.15468/jgnvoj>

Pedestrian mammals census in W National Park. *Published by Direction de la Faune de la Chasse et des Aires Protégées*  
<https://doi.org/10.15468/lmjrsu>

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

## Newest publishers from Niger

FAST/Département de Biologie/Université Abdou Moumouni

Faculté d'Agronomie et Sciences de l'Environnement / Université Dan Dicko Dankoulodo de Maradi-Niger

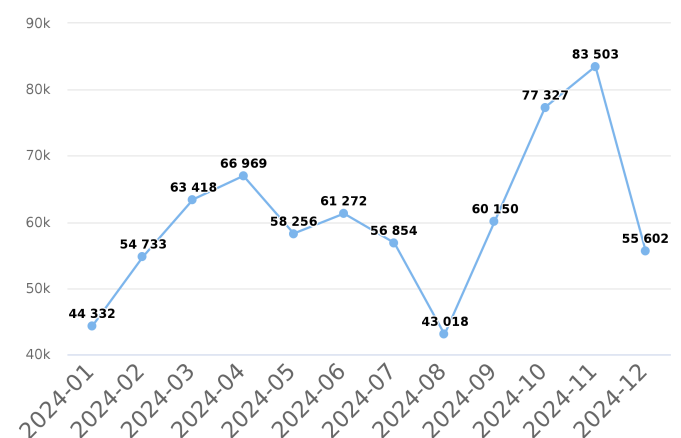
Direction de la Faune de la Chasse et des Aires Protégées

Centre National des Semences Forestières

Direction de la Pêche et de l'Aquaculture

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

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

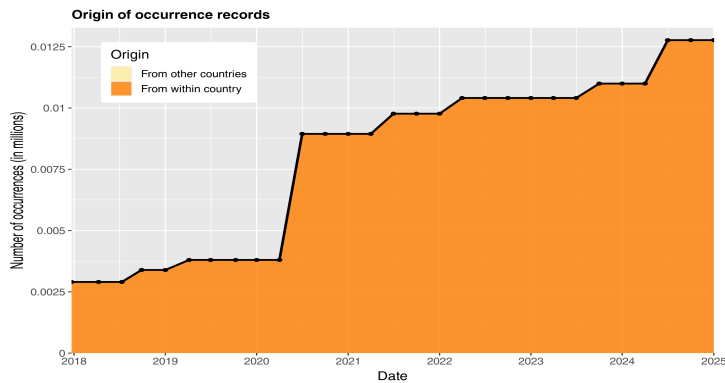


Number of occurrence records downloaded via GBIF.org published by institutions in Niger

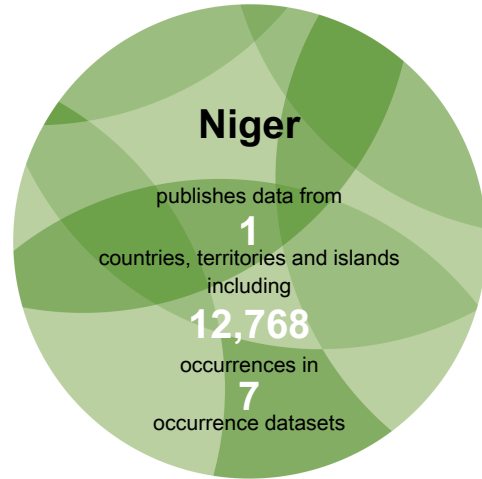


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Niger

Rank	Country or area	No. of occurrences
1	France	50,526
2	Niger	12,768
3	United Kingdom	10,383
4	Colombia	7,972
5	United States of America	7,777
6	International organization or unknown country	4,487
7	Hong Kong	4,152
8	Belgium	2,800
9	Taiwan	1,188
10	Netherlands	915

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

### Top datasets contributing data about Niger

FLOTROP, a massive contribution to plant diversity data for open ecosystems in Tropical Africa.. 45,998 occurrences in Niger. (Last updated 28 Aug 2019)

EOD – eBird Observation Dataset. 12,279 occurrences in Niger. (Last updated 27 Sep 2024)

A global database for the distributions of crop wild relatives. 7,971 occurrences in Niger. (Last updated 9 Feb 2024)

Natural History Museum (London) Collection Specimens. 7,856 occurrences in Niger. (Last updated 3 Jan 2025)

Data from: Rodent trapping studies as an overlooked information source for understanding endemic and novel zoonotic spillover. 4,152 occurrences in Niger. (Last updated 17 Oct 2023)

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



## Niger 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/79ZRBGx5dNXYP2ijHKebK>

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