

generated January 2025

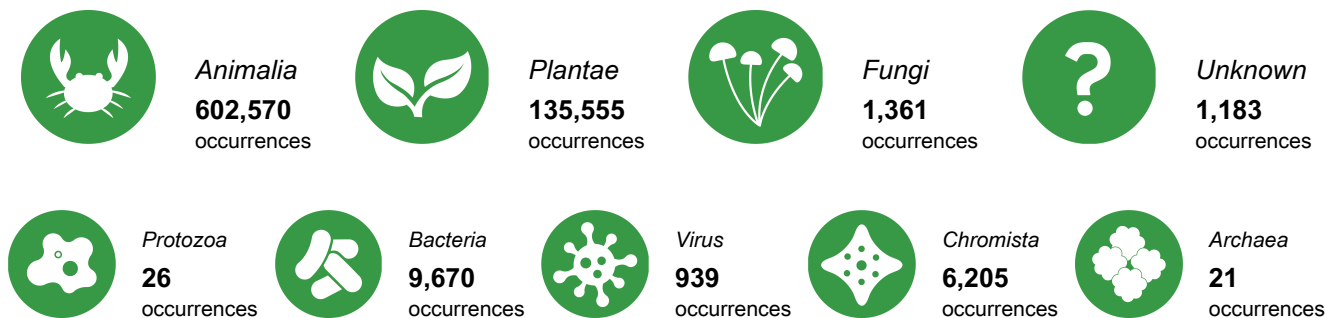
Senegal

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 Senegal. 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.

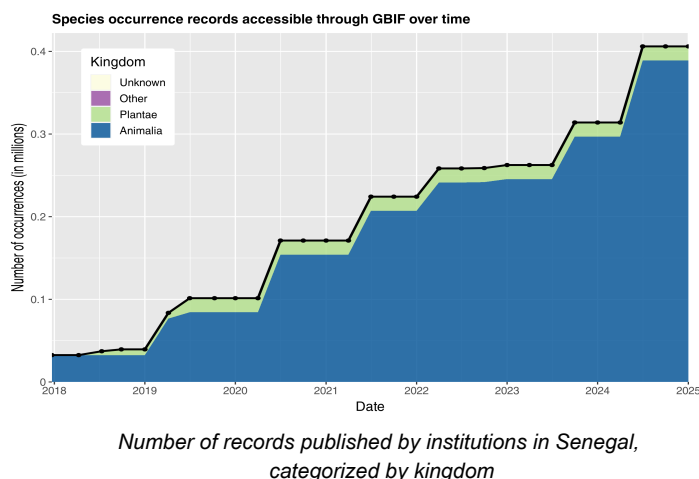
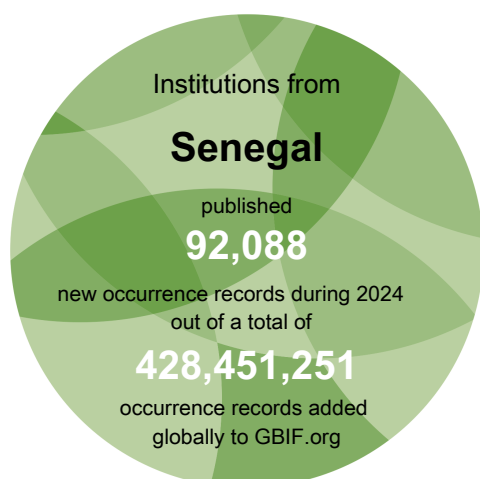
► Access and usage



► Data availability in Senegal



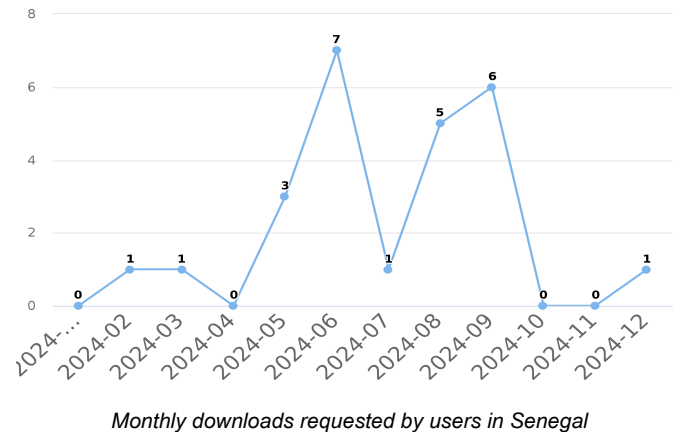
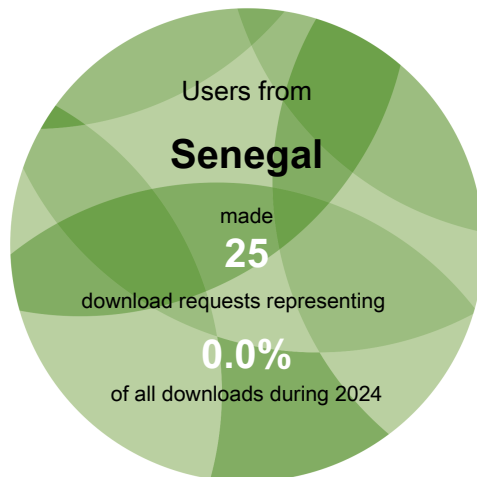
► Data mobilization





Access and usage

Data downloads on GBIF.org from users in Senegal



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

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 Senegal.

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

Sambou, Koné, Sane *et al.* (2024) Impact of climate change on the habitat range and distribution of *Cordyla pinnata*, *Faidherbia albida* and *Balanites aegyptiaca* in Senegal. *Modeling Earth Systems and Environment*.
<https://doi.org/10.1007/s40808-023-01935-8>

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>

Mingou, Gueye, Abotsi *et al.* (2021) Three new records of fern species (Polypodiopsida) in Senegal, from Dindefelo Falls, Kedougou region. *Check List*.
<https://doi.org/10.15560/17.3.923>

Kirchhof, Lyra, Rodríguez *et al.* (2021) Mitogenome analyses elucidate the evolutionary relationships of a probable Eocene wet tropics relic in the xerophile lizard genus *Acanthodactylus*. *Scientific Reports*.
<https://doi.org/10.1038/s41598-021-83422-7>

Taugourdeau, Daget, Chatelain *et al.* (2019) FLOTROP, a massive contribution to plant diversity data for open ecosystems in northern tropical Africa. *Scientific Data*.
<https://doi.org/10.1038/s41597-019-0120-8>

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



Data availability

Total data available for selected taxonomic groups in Senegal



Mammals
15,634
occurrences



Birds
501,460
occurrences



Bony fish
23,981
occurrences



Amphibians
1,655
occurrences



Insects
18,534
occurrences



Reptiles
3,120
occurrences



Molluscs
17,372
occurrences



Arachnids
382
occurrences



Flowering plants
134,414
occurrences



Ferns
423
occurrences



Gymnosperms
28
occurrences



Mosses
194
occurrences



Sac fungi
287
occurrences



Basidiomycota
708
occurrences

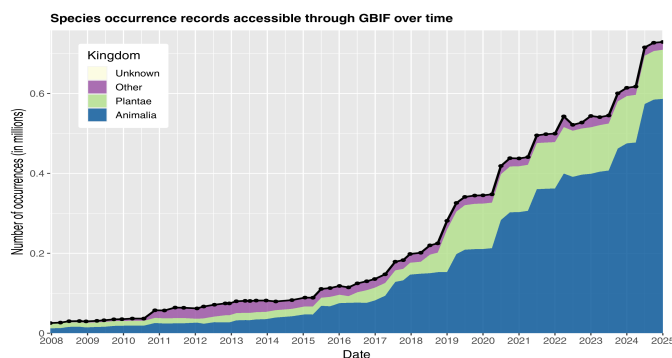
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

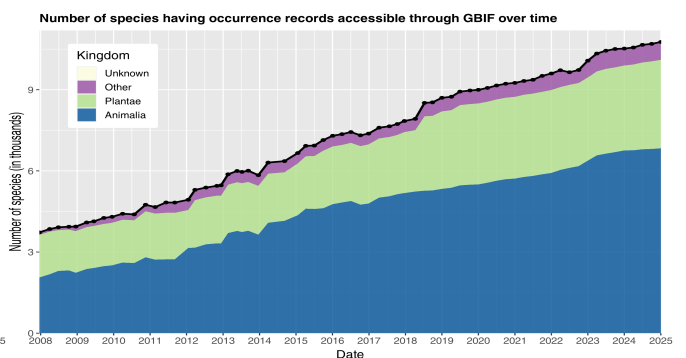
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Senegal



Occurrence records available about species occurring in Senegal



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

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 Senegal

Bird biodiversity in Ferlo (North of Senegal). *Published by Observatoire Hommes-Milieux international Téssékéré*
<https://doi.org/10.15468/u484g6>

Large wild mammals in Ferlo (North of Senegal)_Trapping data. *Published by Observatoire Hommes-Milieux international Téssékéré*
<https://doi.org/10.15468/tr6zfp>

Large wild mammals in Ferlo (North of Senegal). *Published by Observatoire Hommes-Milieux international Téssékéré*
<https://doi.org/10.15468/k6vut5>

Oiseaux du réseau des Aires Marines Communautaires Protégées du Sénégal. *Published by Institut des Sciences de l'Environnement*
<https://doi.org/10.15468/4qfkyw>

Données d'observation sur l'avifaune du Sénégal dans la région de Saint Louis. *Published by Institut des Sciences de l'Environnement*
<https://doi.org/10.15468/hcpflu>

Dénombrement des oiseaux d'eau du Sénégal de 2016 à 2018. *Published by Institut des Sciences de l'Environnement*
<https://doi.org/10.15468/ypcbdi>

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

Newest publishers from Senegal

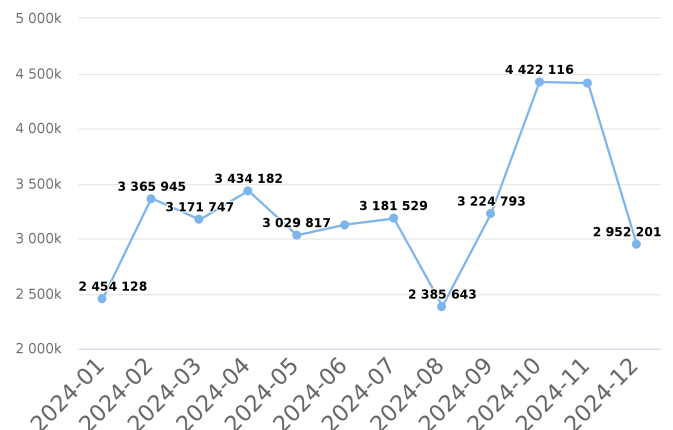
Observatoire Hommes-Milieux international Téssékéré

Institut Fondamental d'Afrique Noire / Cheikh Anta Diop
(IFAN Ch. A. Diop)

Institut des Sciences de l'Environnement

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

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

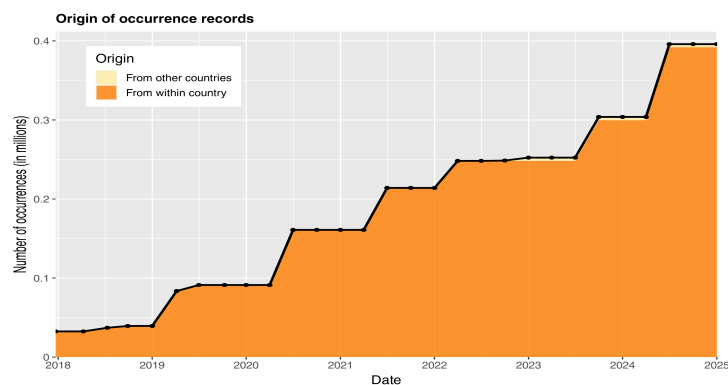


Number of occurrence records downloaded via
GBIF.org published by institutions in Senegal

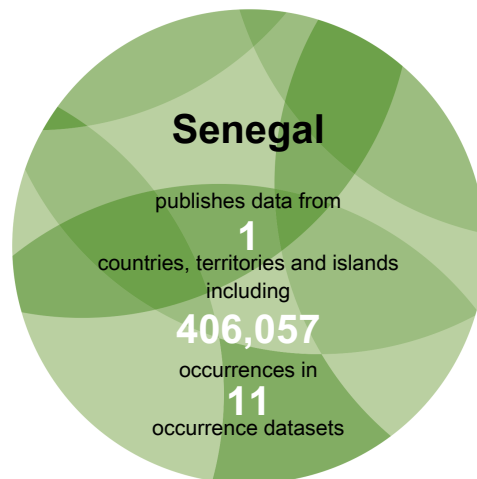


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Senegal

Rank	Country or area	No. of occurrences
1	Senegal	406,057
2	France	100,428
3	Belgium	75,063
4	Netherlands	46,712
5	United States of America	43,632
6	United Kingdom	18,261
7	Germany	16,742
8	Sweden	12,280
9	Denmark	8,211
10	Colombia	6,032

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

Top datasets contributing data about Senegal

EOD – eBird Observation Dataset. 376,849 occurrences in Senegal. (Last updated 27 Sep 2024)

FLOTROP, a massive contribution to plant diversity data for open ecosystems in Tropical Africa.. 57,138 occurrences in Senegal. (Last updated 28 Aug 2019)

Observation.org, Nature data from around the World. 37,572 occurrences in Senegal. (Last updated 3 Jan 2025)

Meise Botanic Garden Herbarium (BR). 16,921 occurrences in Senegal. (Last updated 8 Dec 2024)

LBBG_ZEEBRUGGE - Lesser black-backed gulls (Larus fuscus, Laridae) breeding at the southern North Sea coast (Belgium and the Netherlands). 15,567 occurrences in Senegal. (Last updated 4 Sep 2024)

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



Senegal participates in the following projects coordinated by GBIF

Senegalese National Information System on Biodiversity - SENBIO-INFOS

BID: Biodiversity Information for Development, 2016–2018

This project establishes the Senegalese National Information System on Biodiversity - SENBIO-INFOS to enable access to data related to species in the country.

<https://www.gbif.org/project/82736>

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