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
Researchers from Senegal contributed to 0 peer-reviewed articles citing GBIF use during 2023 and a total of 7 articles since 2008.

▶ Data availability in Senegal
- Animalia: 491,023 occurrences
- Plantae: 130,942 occurrences
- Fungi: 1,256 occurrences
- Unknown: 1,233 occurrences
- Protozoa: 26 occurrences
- Bacteria: 9,687 occurrences
- Virus: 939 occurrences
- Chromista: 7,675 occurrences
- Archaea: 21 occurrences

▶ Data mobilization
Institutions from Senegal published 51,466 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.

Number of records published by institutions in Senegal, categorized by kingdom
Access and usage

Data downloads on GBIF.org from users in Senegal

Users from Senegal made 64 download requests representing 0.0% of all downloads during 2023.

Monthly downloads requested by 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.


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, Rodriguez 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

Data availability

Total data available for selected taxonomic groups in Senegal

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Number of Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>15,025</td>
</tr>
<tr>
<td>Birds</td>
<td>392,977</td>
</tr>
<tr>
<td>Bony fish</td>
<td>23,818</td>
</tr>
<tr>
<td>Amphibians</td>
<td>1,622</td>
</tr>
<tr>
<td>Insects</td>
<td>17,303</td>
</tr>
<tr>
<td>Reptiles</td>
<td>2,986</td>
</tr>
<tr>
<td>Molluscs</td>
<td>16,811</td>
</tr>
<tr>
<td>Arachnids</td>
<td>405</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>129,892</td>
</tr>
<tr>
<td>Ferns</td>
<td>414</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>27</td>
</tr>
<tr>
<td>Mosses</td>
<td>174</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>229</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>699</td>
</tr>
</tbody>
</table>

Mammals = Class Mammalia
Birds = Class Aves
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

Species occurrence records accessible through GBIF over time

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

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

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

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

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

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Senegal</td>
<td>313,969</td>
</tr>
<tr>
<td>2</td>
<td>France</td>
<td>100,012</td>
</tr>
<tr>
<td>3</td>
<td>Belgium</td>
<td>65,238</td>
</tr>
<tr>
<td>4</td>
<td>Netherlands</td>
<td>40,918</td>
</tr>
<tr>
<td>5</td>
<td>United States of America</td>
<td>37,201</td>
</tr>
<tr>
<td>6</td>
<td>United Kingdom</td>
<td>19,548</td>
</tr>
<tr>
<td>7</td>
<td>Germany</td>
<td>17,934</td>
</tr>
<tr>
<td>8</td>
<td>Sweden</td>
<td>11,899</td>
</tr>
<tr>
<td>9</td>
<td>Denmark</td>
<td>8,201</td>
</tr>
<tr>
<td>10</td>
<td>Colombia</td>
<td>6,242</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Senegal

EOD – eBird Observation Dataset. 284,761 occurrences in Senegal. (Last updated 20 Aug 2023)

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. 32,049 occurrences in Senegal. (Last updated 12 Dec 2023)

Meise Botanic Garden Herbarium (BR). 16,876 occurrences in Senegal. (Last updated 6 Apr 2023)

LBBG_ZEEBRUGGE - Lesser black-backed gulls (Larus fuscus, Laridae) breeding at the southern North Sea coast (Belgium and the Netherlands) [subsampled representation]. 15,567 occurrences in Senegal. (Last updated 10 Jun 2022)

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