South Sudan

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 South Sudan. 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 South Sudan contributed to 1 peer-reviewed articles citing GBIF use during 2023 and a total of 1 articles since 2008.

▶ Data availability in South Sudan

- **Animalia**: 25,992 occurrences
- **Plantae**: 1,340 occurrences
- **Fungi**: 2 occurrences
- **Unknown**: 59 occurrences
- **Protozoa**: 4 occurrences
- **Bacteria**: 0 occurrences
- **Virus**: 9 occurrences
- **Chromista**: 24 occurrences
- **Archaea**: 0 occurrences

▶ Data mobilization

Institutions from South Sudan published 2,459 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.
Access and usage

Data downloads on GBIF.org from users in South Sudan

Users from South Sudan made 0 download requests representing 0.0% of all downloads during 2023.

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

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 South Sudan.

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


https://doi.org/10.1007/s40808-023-01889-x
Data availability

Total data available for selected taxonomic groups in South Sudan

- **Mammals**: 3,344 occurrences
- **Birds**: 16,729 occurrences
- **Bony fish**: 214 occurrences
- **Amphibians**: 185 occurrences
- **Insects**: 4,309 occurrences
- **Reptiles**: 568 occurrences
- **Molluscs**: 88 occurrences
- **Arachnids**: 135 occurrences
- **Flowering plants**: 1,264 occurrences
- **Ferns**: 53 occurrences
- **Gymnosperms**: 2 occurrences
- **Mosses**: 1 occurrence
- **Sac fungi**: 2 occurrences
- **Basidiomycota**: 0 occurrences

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Number of Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>3,344</td>
</tr>
<tr>
<td>Birds</td>
<td>16,729</td>
</tr>
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<td>Bony fish</td>
<td>214</td>
</tr>
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<td>Amphibians</td>
<td>185</td>
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<tr>
<td>Basidiomycota</td>
<td>0</td>
</tr>
</tbody>
</table>

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

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

**Arachnids = Class Arachnida**
**Flowering plants = Phylum Magnoliophyta**
**Mosses = Phylum Pteridophyta**
**Sac fungi = Phylum Ascomycota**
**Basidiomycota = Phylum Basidiomycota**

Change over time in records about biodiversity in South Sudan

**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 South Sudan

Population status, Distribution and Threats to the Nile lechwe (Kobus megaceros, M.T.Von Heuglin,1853) in the Sudd Wetland, South Sudan (2012). Published by Ministry of Environment and Forestry
https://doi.org/10.15468/oayffr

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

Newest publishers from South Sudan

Ministry of Environment and Forestry

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

Number of occurrence records downloaded via GBIF.org published by institutions in South Sudan
Data mobilization

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

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

Top data contributors about biodiversity in South Sudan

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Estonia</td>
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<tr>
<td>2</td>
<td>South Sudan</td>
<td>5,586</td>
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<tr>
<td>3</td>
<td>United States of America</td>
<td>3,885</td>
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<tr>
<td>4</td>
<td>Finland</td>
<td>2,147</td>
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<tr>
<td>5</td>
<td>United Kingdom</td>
<td>1,174</td>
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<tr>
<td>6</td>
<td>Kenya</td>
<td>1,095</td>
</tr>
<tr>
<td>7</td>
<td>International organization or unknown country</td>
<td>803</td>
</tr>
<tr>
<td>8</td>
<td>Netherlands</td>
<td>645</td>
</tr>
<tr>
<td>9</td>
<td>Denmark</td>
<td>644</td>
</tr>
<tr>
<td>10</td>
<td>Australia</td>
<td>222</td>
</tr>
</tbody>
</table>

Table 1. Ranking of countries or areas contributing data about South Sudan

Top datasets contributing data about South Sudan

- BirdMap Data - GPS tracking of Storks, Cranes and birds of prey, breeding in Northern and Eastern Europe. [10,023 occurrences in South Sudan.](gbif.org/dataset/37865796) (Last updated 17 May 2022)
- EOD – eBird Observation Dataset. [5,525 occurrences in South Sudan.](gbif.org/dataset/37865796) (Last updated 20 Aug 2023)
- Coleoptera World (Luomus) (CW). [2,014 occurrences in South Sudan.](gbif.org/dataset/37865796) (Last updated 27 Dec 2023)
- NMNH Extant Specimen Records (USNM, US). [1,465 occurrences in South Sudan.](gbif.org/dataset/37865796) (Last updated 2 Jan 2024)
- Museum of Comparative Zoology, Harvard University. [1,177 occurrences in South Sudan.](gbif.org/dataset/37865796) (Last updated 28 Dec 2023)

See all contributing countries and areas or datasets: [gbif.org/country/SS/about](gbif.org/country/SS/about)
South Sudan participates in the following projects coordinated by GBIF

Enhancing capacity of GBIF South Sudan
*Capacity Enhancement Support Programme, 2021–2023*
https://www.gbif.org/project/CESP2021-009

Development of National Biodiversity Database System (NBDS)
*BID: Biodiversity Information for Development, 2017–2019*
National Biodiversity Database System (NBDS) aims to contribute to the development, maintenance and update of biodiversity facility to mobilize data and information for different users to aid reporting and decision making process related to sustainable biodiversity conservation and management in the Republic of South Sudan and beyond through a data sharing protocol and agreements.
https://www.gbif.org/project/J1REqx8zAlU2i2SYsSAsi