France
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 France. 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 France contributed to 100 peer-reviewed articles citing GBIF use during 2023 and a total of 564 articles since 2008.

▶ Data availability in France

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animalia</td>
<td>71,922,710</td>
</tr>
<tr>
<td>Plantae</td>
<td>75,302,576</td>
</tr>
<tr>
<td>Fungi</td>
<td>982,795</td>
</tr>
<tr>
<td>Unknown</td>
<td>186,067</td>
</tr>
<tr>
<td>Protozoa</td>
<td>85,169</td>
</tr>
<tr>
<td>Bacteria</td>
<td>183,708</td>
</tr>
<tr>
<td>Virus</td>
<td>16,664</td>
</tr>
<tr>
<td>Chromista</td>
<td>1,161,419</td>
</tr>
<tr>
<td>Archaea</td>
<td>3,273</td>
</tr>
</tbody>
</table>

▶ Data mobilization
Institutions from France published 13,208,845 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 France

Users from France made 21,944 download requests representing 3.5% of all downloads during 2023.

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

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 France.

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/10.1080/09670262.2023.2256828

https://doi.org/10.1016/j.tree.2023.10.001

Hostens, Van Meerbeek, Wiegmans et al. (2023) The drivers of dark diversity in the Scandinavian mountains are metric-dependent. *Journal of Vegetation Science.*
https://doi.org/10.1111/jvs.13212

Guo, Serra-Diaz, Eiserhardt et al. (2023) Climate change and land use threaten global hotspots of phylogenetic endemism for trees. *Nature Communications.*
https://doi.org/10.1038/s41467-023-42671-y

https://doi.org/10.1127/entomologia/2023/2073

See all research from this country or area gbif.org/country/FR/publications/from
Data availability

Total data available for selected taxonomic groups in France

- **Mammals**: 7,087,496 occurrences
- **Birds**: 35,670,673 occurrences
- **Bony fish**: 10,031,216 occurrences
- **Amphibians**: 883,791 occurrences
- **Insects**: 14,186,997 occurrences
- **Reptiles**: 723,055 occurrences
- **Molluscs**: 984,697 occurrences
- **Arachnids**: 801,507 occurrences
- **Flowering plants**: 71,363,072 occurrences
- **Ferns**: 1,646,414 occurrences
- **Gymnosperms**: 951,848 occurrences
- **Mosses**: 932,146 occurrences
- **Sac fungi**: 324,229 occurrences
- **Basidiomycota**: 654,046 occurrences

- **Mammals** = Class *Mammalia*
- **Birds** = Class *Aves*
- **Bony fish** = Superclass *Osteichthyes* p.p.
- **Amphibians** = Class *Amphibia*
- **Insects** = Class *Insecta*
- **Reptiles** = Class *Testudines, Sphenodon, 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 France**

**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 France

PCS PNG, 2022-2023. Published by TotalEnergies
https://doi.org/10.15468/yg8b8t

PCS Papua New Guinea, 2022-2023. Published by TotalEnergies
https://doi.org/10.15468/gbz4m4

Environmental Baseline Survey and Post-Drill Environmental Survey, Offshore, Namibia - 2022 - TotalEnergies E&P Namibia. Published by TotalEnergies
https://doi.org/10.15468/yemucu

TotalEnergies EP Brasil| Projeto de Caracterização Ambiental (PCA)/Environmental Baseline Study (EBS) do Bloco C-M-541, Bacia de Campos: Meiofauna. Published by TotalEnergies
https://doi.org/10.15468/a6cwum

TotalEnergies EP Brasil| Projeto de Caracterização Ambiental (PCA)/Environmental Baseline Study (EBS) do Bloco C-M-541, Bacia de Campos: Macrofauna. Published by TotalEnergies
https://doi.org/10.15468/xs48gt

TotalEnergies EP Brasil| Projeto de Caracterização Ambiental (PCA)/Environmental Baseline Study (EBS) do Bloco C-M-541, Bacia de Campos: Zooplâncton. Published by TotalEnergies
https://doi.org/10.15468/c8mdk7

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

Newest publishers from France

Réseau Initiatives des Eco-Explorateurs de la Mer
Le Beffroi Musée Boucher de Perthes - Manessier
ENGIE
Université de Nantes
Pierre Fabre

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

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

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

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

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

Top data contributors about biodiversity in France

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>France</td>
<td>142,505,703</td>
</tr>
<tr>
<td>2</td>
<td>Netherlands</td>
<td>2,342,683</td>
</tr>
<tr>
<td>3</td>
<td>United States of America</td>
<td>1,939,159</td>
</tr>
<tr>
<td>4</td>
<td>Belgium</td>
<td>1,108,336</td>
</tr>
<tr>
<td>5</td>
<td>United Kingdom</td>
<td>613,640</td>
</tr>
<tr>
<td>6</td>
<td>Switzerland</td>
<td>348,056</td>
</tr>
<tr>
<td>7</td>
<td>Germany</td>
<td>224,039</td>
</tr>
<tr>
<td>8</td>
<td>Spain</td>
<td>178,388</td>
</tr>
<tr>
<td>9</td>
<td>Luxembourg</td>
<td>164,862</td>
</tr>
<tr>
<td>10</td>
<td>International organization or unknown country</td>
<td>75,481</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about France

INPN - Données flore des CBN agrégées par la FCBN. 20,946,186 occurrences in France. (Last updated 7 Nov 2017)

Données acquises par le Conservatoire botanique national du Bassin parisien et son réseau (bénévoles, associations, autres structures professionnelles) - Flore du Bassin parisien (CBNB). 7,038,620 occurrences in France. (Last updated 16 Dec 2022)

Données piscicoles et astacicoles des cours d'eau de France métropolitaine bancarisées dans ASPE (OFB) - Données acquises selon le protocole de pêche complète à un ou plusieurs passages - ASPE - OFB. 5,085,452 occurrences in France. (Last updated 17 Dec 2022)

Observations du Conservatoire botanique national du Bassin parisien.. 4,688,951 occurrences in France. (Last updated 9 Mar 2018)

Centralisation des observations floristiques dans le cadre du SINP - Observations floristiques - plateforme SINP régionale SILENE PACA. 4,395,195 occurrences in France. (Last updated 17 Dec 2022)
See all contributing countries and areas or datasets: gbif.org/country/FR/about
France 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/79ZRBGx5dNXyPr2jHKebK

**Atlas of Living France**
*2015–2015*
The Atlas of Living France provides open access to primary biodiversity data from French institutions.
https://www.gbif.org/project/82969

**Plinian Core for plant-pollinator interactions**
*Capacity Enhancement Support Programme, 2023–2024*
https://www.gbif.org/project/CESP2023-011

**International Living Atlases workshop**
*Capacity Enhancement Support Programme, 2017–2018*
This project will support and strengthen the growing international community of practice around open-source software developed by the Atlas of Living Australia.
https://www.gbif.org/project/83337

**Mentoring between GBIF Benin and GBIF France**
*Capacity Enhancement Support Programme, 2017–2018*
GBIF France will support GBIF Benin to mobilize both new data and data types using on tools and practices developed within the GBIF network.
https://www.gbif.org/project/83340

**Mentoring Madagascar (MadBIF) - GBIF France**
Guidance and technical support for Madagascar to implement a better data mobilization strategy and to mobilize and publish new data using the tools developed by GBIF.
https://www.gbif.org/project/82213

**International Living Atlases workshop: how to improve data use with Atlas of Living Australia modules**
*Capacity Enhancement Support Programme, 2018–2019*
This project will provide international and technical training around the implementation of ALA platform analysis modules in addition to documentation of national atlases for end-users.
https://www.gbif.org/project/6AxerPwlnacq6S28iKOGKi

**Mobilization and strengthening of biodiversity data supporting sustainable development in Côte d'Ivoire**
*BID: Biodiversity Information for Development, 2021–2023*
https://www.gbif.org/project/BID-AF2020-128-NAC

**Progress towards a regional data platform of West and Central African herbaria**
*BID: Biodiversity Information for Development, 2021–2023*
https://www.gbif.org/project/BID-AF2020-040-REG

**Mentoring of GBIF Cameroon by GBIF Benin and GBIF France**
*Capacity Enhancement Support Programme, 2021–2022*
https://www.gbif.org/project/CESP2021-002