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 at global and national scales. These metrics represent change over the past 12 months, unless otherwise noted. Taken together, the elements of this report can help guide and measure progress toward the information needs for national and international commitments on biodiversity and sustainable development.

> Access and usage

Researchers from France contributed to 37 peer-reviewed articles citing GBIF use during this reporting period and a total of 110 articles since 2008.

> Data availability in France

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Count</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animalia</td>
<td>3,903,761</td>
<td>+6%</td>
</tr>
<tr>
<td>Plantae</td>
<td>30,324,417</td>
<td>+2%</td>
</tr>
<tr>
<td>Fungi</td>
<td>92,467</td>
<td>+4%</td>
</tr>
<tr>
<td>Unknown</td>
<td>74,358</td>
<td>+9%</td>
</tr>
<tr>
<td>Protozoa</td>
<td>40,380</td>
<td>0%</td>
</tr>
<tr>
<td>Bacteria</td>
<td>6,060</td>
<td>+27%</td>
</tr>
<tr>
<td>Virus</td>
<td>5</td>
<td>0%</td>
</tr>
<tr>
<td>Chromista</td>
<td>345,455</td>
<td>+2%</td>
</tr>
<tr>
<td>Archaea</td>
<td>15</td>
<td>0%</td>
</tr>
</tbody>
</table>

> Data mobilization

Institutions from France published 747,523 new occurrence records during this reporting period for a total of 39,915,530 occurrence records.
Access and usage

Web traffic on GBIF.org from France

Table 1. Top five cities by number of sessions in France

<table>
<thead>
<tr>
<th>Rank</th>
<th>City</th>
<th>No. of sessions</th>
<th>% of total traffic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Paris</td>
<td>11,084</td>
<td>0.70%</td>
</tr>
<tr>
<td>2</td>
<td>Montpellier</td>
<td>3,665</td>
<td>0.23%</td>
</tr>
<tr>
<td>3</td>
<td>Toulouse</td>
<td>2,422</td>
<td>0.15%</td>
</tr>
<tr>
<td>4</td>
<td>Lyon</td>
<td>1,924</td>
<td>0.12%</td>
</tr>
<tr>
<td>5</td>
<td>Marseille</td>
<td>1,543</td>
<td>0.10%</td>
</tr>
</tbody>
</table>

France accounted for 68,372 user sessions representing 4.34% of all traffic on GBIF.org during the reporting period.

Table 2. Comparative view of web traffic for GBIF.org from users worldwide, from France and to the country’s national portal (where available)

<table>
<thead>
<tr>
<th></th>
<th>Worldwide</th>
<th>National</th>
<th>National portal</th>
</tr>
</thead>
<tbody>
<tr>
<td>User sessions</td>
<td>1,574,854</td>
<td>68,372</td>
<td>-</td>
</tr>
<tr>
<td>Pages per session</td>
<td>4.46</td>
<td>3.69</td>
<td>-</td>
</tr>
<tr>
<td>Avg. session duration</td>
<td>7:06</td>
<td>5:42</td>
<td>-</td>
</tr>
<tr>
<td>Bounce rate</td>
<td>61.94</td>
<td>69.39</td>
<td>-</td>
</tr>
<tr>
<td>% of new sessions</td>
<td>63.43</td>
<td>55.53</td>
<td>-</td>
</tr>
</tbody>
</table>

Figure 3. Number of sessions by week originating in France

Worldwide

Table 3. Comparative view of web traffic for GBIF.org from users worldwide, from France and to the country’s national portal (where available)
Access and usage
Data downloads on GBIF.org from users in France

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 of the authors’ institutional affiliations. The citations below represent the five most recent journal articles with at least one co-author from this country.

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

http://dx.doi.org/10.1007/s10531-016-1141-7


http://dx.doi.org/10.1098/rspb.2015.2454

http://dx.doi.org/10.1016/j.ppees.2016.03.002

Bellard, Leroy, Thuiller et al. [2016] Major drivers of invasion risks throughout the world. Ecosphere. 7[3].
http://dx.doi.org/10.1002/ecs2.1241

See all research from this country http://www.gbif.org/country/FR/publications
Data availability
Total data available & annual percentage change for selected taxonomic groups in France

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Species Count</th>
<th>Percentage Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>523,427</td>
<td>+1%</td>
</tr>
<tr>
<td>Birds</td>
<td>1,821,102</td>
<td>+8%</td>
</tr>
<tr>
<td>Bony fish</td>
<td>362,187</td>
<td>+3%</td>
</tr>
<tr>
<td>Amphibians</td>
<td>53,146</td>
<td>+2%</td>
</tr>
<tr>
<td>Insects</td>
<td>637,664</td>
<td>+3%</td>
</tr>
<tr>
<td>Reptiles</td>
<td>29,255</td>
<td>+3%</td>
</tr>
<tr>
<td>Molluscs</td>
<td>151,667</td>
<td>+12%</td>
</tr>
<tr>
<td>Arachnids</td>
<td>5,227</td>
<td>+28%</td>
</tr>
<tr>
<td>Flowering plants</td>
<td>29,020,894</td>
<td>+2%</td>
</tr>
<tr>
<td>Gymnosperms</td>
<td>310,250</td>
<td>+2%</td>
</tr>
<tr>
<td>Mosses</td>
<td>105,554</td>
<td>+2%</td>
</tr>
<tr>
<td>Sac fungi</td>
<td>49,986</td>
<td>+6%</td>
</tr>
<tr>
<td>Basidiomycota</td>
<td>41,862</td>
<td>+1%</td>
</tr>
<tr>
<td>Bony fish</td>
<td>362,187</td>
<td>+8%</td>
</tr>
<tr>
<td>Amphibians</td>
<td>53,146</td>
<td>+2%</td>
</tr>
</tbody>
</table>

Mammals = class Mammalia  
Birds = class Aves  
Bony fish = superclass Osteichthyes  
Amphibians = class Amphibia

Insects = class Insecta  
Reptiles = class Reptilia  
Molluscs = phylum Mollusca  
Arachnids = class Arachnida

Flowering plants = phylum Magnoliophyta  
Gymnosperms = superclass Gymnospermae  
Mosses = phylum Pteridophyta  
Sac fungi = phylum Ascomycota  
Basidiomycota = phylum Basidiomycota

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Birds = class Aves  
Bony fish = superclass Osteichthyes  
Amphibians = class Amphibia

Insects = class Insecta  
Reptiles = class Reptilia  
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Flowering plants = phylum Magnoliophyta  
Gymnosperms = superclass Gymnospermae  
Mosses = phylum Pteridophyta  
Sac fungi = phylum Ascomycota  
Basidiomycota = phylum Basidiomycota

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.
Data availability

Change in taxonomic precision of records about biodiversity occurring in France

These charts illustrate changes in the number of available records which include an identification at least to the species rank. The numbers of records identified to an infraspecific rank or to a genus are also shown.

Change in geographic precision of records about species occurring in France

These charts illustrate changes in the number of available records which include coordinates for which no known issues have been detected. For records without accepted valid coordinates, these charts also show the number of records for which the country of occurrence is known.
Data mobilization
Trends in biodiversity data published by national institutions in France

These charts illustrate changes over time in the number of records considered complete, here defined to include the following:

- identification at least to species rank
- valid coordinates
- full date of occurrence
- given basis of record (e.g. observation, specimen, etc.)

Figure 11. Completeness of specimen records published by institutions from France
Figure 12. Completeness of observation records published by institutions from France

Most recent datasets from publishers in France

Diveboard - Scuba diving citizen science observations. Occurrence dataset. Updated 17 Dec, 2016. 31,825 records. Published by Diveboard.


Newest publishers from France

Université de Montpellier, Institut des Sciences de l’Évolution

Observatoire PELAGIS, UMS 3462 Système d’Observation pour la Conservation des Mammifères et Oiseaux Marins, Université de la Rochelle-CNRS

Herbiers Universitaires de Clermont-Ferrand [CLF]

Laboratoire EDB "Evolution et Diversité Biologique"

See more trends in data about France
http://www.gbif.org/analytics/country/FR/published

See all datasets

See all publishers
http://www.gbif.org/country/FR/publishers
Data mobilization
Data sharing with country of origin by national institutions in France

The chart above shows the number of records shared over time by publishers within the country, with separate colours for records about species occurring within the country and those occurring in other countries.

Top data contributors about biodiversity in France

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>France</td>
<td>32,814,978</td>
</tr>
<tr>
<td>2</td>
<td>United States</td>
<td>501,567</td>
</tr>
<tr>
<td>3</td>
<td>Netherlands</td>
<td>276,297</td>
</tr>
<tr>
<td>4</td>
<td>Belgium</td>
<td>238,289</td>
</tr>
<tr>
<td>5</td>
<td>United Kingdom</td>
<td>221,161</td>
</tr>
<tr>
<td>6</td>
<td>Luxembourg</td>
<td>154,511</td>
</tr>
<tr>
<td>7</td>
<td>Germany</td>
<td>149,967</td>
</tr>
<tr>
<td>8</td>
<td>Spain</td>
<td>143,119</td>
</tr>
<tr>
<td>9</td>
<td>Switzerland</td>
<td>84,239</td>
</tr>
<tr>
<td>10</td>
<td>Colombia</td>
<td>45,003</td>
</tr>
</tbody>
</table>

Table 3. Ranking of countries contributing data about France

See all contributing countries  http://www.gbif.org/country/FR/about/countries

Top datasets contributing data about France

INPN - Données flore des CBN agrégées par la FCBN. 20,946,186 occurrences in France [last updated 2016-08-18].

Observations du Conservatoire botanique national du Bassin parisien.. 4,697,245 occurrences in France [last updated 2016-08-18].

Inventaire National du Patrimoine Naturel : Flore Franco-Belge. 1,578,995 occurrences in France [last updated 2016-08-18].

Inventaire National du Patrimoine Naturel : Oiseaux hivernants de France. 755,529 occurrences in France [last updated 2016-08-18].

Données ONF Faune-Flore-FOnge. 637,398 occurrences in France [last updated 2016-10-17].

Données ONF Faune-Flore-FOnge. 637,398 occurrences in France [last updated 2016-08-18].

See all contributing datasets  http://www.gbif.org/country/FR/about/datasets
Global overview

Access and usage

1,019,546 users visited GBIF.org during 1,576,984 sessions consuming 7,051,815 pageviews during the reporting period.

Data availability

GBIF.org provides access to 702,911,384 species occurrence records from 30,712 datasets held by 862 publishers.

Data mobilization

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>United States</td>
<td>83,774,897</td>
</tr>
<tr>
<td>2</td>
<td>Germany</td>
<td>15,837,819</td>
</tr>
<tr>
<td>3</td>
<td>United Kingdom</td>
<td>15,217,220</td>
</tr>
<tr>
<td>4</td>
<td>Netherlands</td>
<td>13,098,430</td>
</tr>
<tr>
<td>5</td>
<td>South Africa</td>
<td>9,630,896</td>
</tr>
<tr>
<td>6</td>
<td>Norway</td>
<td>4,519,715</td>
</tr>
<tr>
<td>7</td>
<td>Colombia</td>
<td>4,122,621</td>
</tr>
<tr>
<td>8</td>
<td>Denmark</td>
<td>4,048,381</td>
</tr>
<tr>
<td>9</td>
<td>Spain</td>
<td>3,175,906</td>
</tr>
<tr>
<td>10</td>
<td>Belgium</td>
<td>2,366,452</td>
</tr>
</tbody>
</table>

Table 4. Top ten countries publishing new data during the reporting period.

Recent news

- Licensing milestone for open access data in GBIF.org
- Winners of 2016 Ebbe Nielsen Challenge focus on data gaps and biases
- 23 African projects share nearly €1 million in EU-funded grants from BID: Biodiversity Information for Development
- Task group shares recommendations on improving GBIF-mediated data for distribution modelling

See data for all countries: [http://www.gbif.org/country](http://www.gbif.org/country)

Read all news: [http://www.gbif.org/newsroom/news](http://www.gbif.org/newsroom/news)