![GBIF logo] **GBIF** | Global Biodiversity Information Facility

Country Report 🇫🇷

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.
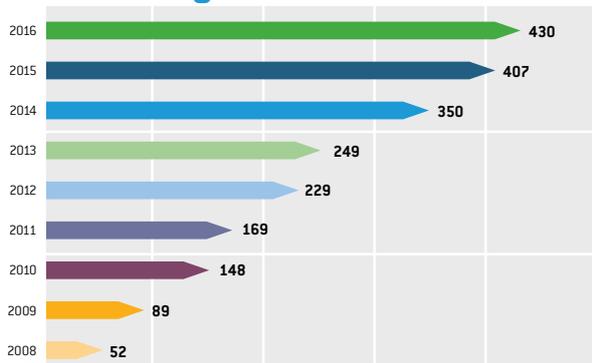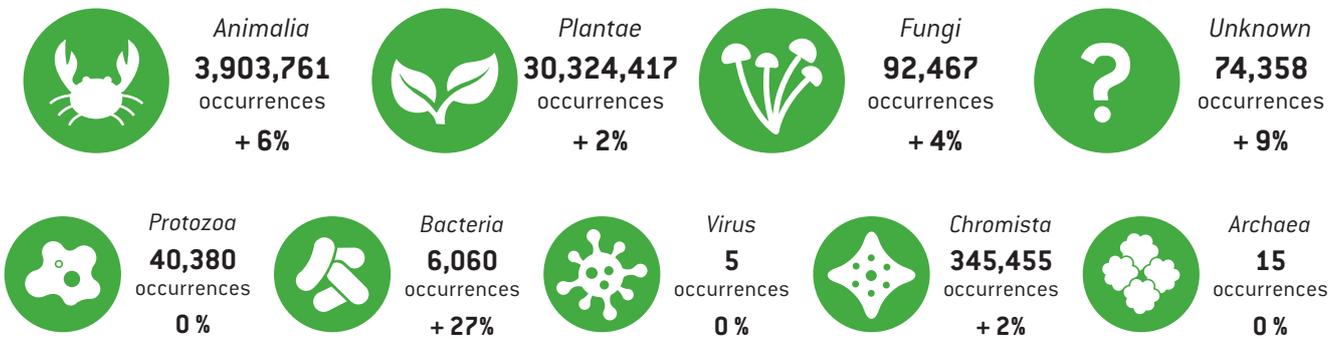
> Access and usage

Year	Value
2016	430
2015	407
2014	350
2013	249
2012	229
2011	169
2010	148
2009	89
2008	52

*Figure 1. Number of peer-reviewed publications citing use of **global** GBIF-mediated data*

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

Animalia
3,903,761
occurrences
+ 6%

Plantae
30,324,417
occurrences
+ 2%

Fungi
92,467
occurrences
+ 4%

Unknown
74,358
occurrences
+ 9%

Protozoa
40,380
occurrences
0 %

Bacteria
6,060
occurrences
+ 27%

Virus
5
occurrences
0 %

Chromista
345,455
occurrences
+ 2%

Archaea
15
occurrences
0 %

> Data mobilization

Institutions from

France

published

747,523

new occurrence records during this reporting period for a total of

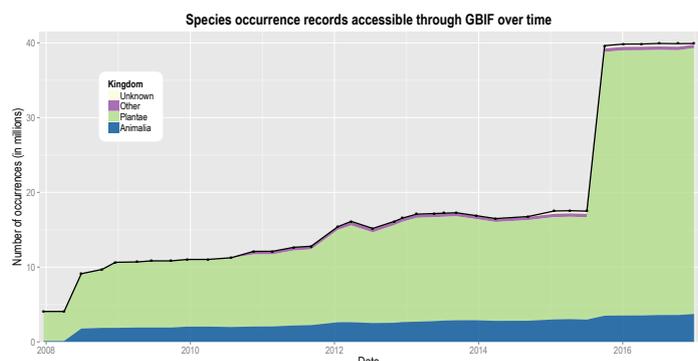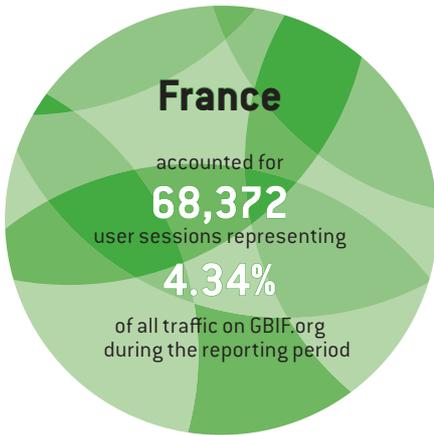**39,915,530**

occurrence records

Figure 2. Number of records published by institutions in France, categorized by kingdom

Access and usage

Web traffic on GBIF.org from France

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

Rank	City	No. of sessions	% of total traffic
1	Paris	11,084	0.70%
2	Montpellier	3,665	0.23%
3	Toulouse	2,422	0.15%
4	Lyon	1,924	0.12%
5	Marseille	1,543	0.10%

Table 1. Top five cities by number of sessions
in France
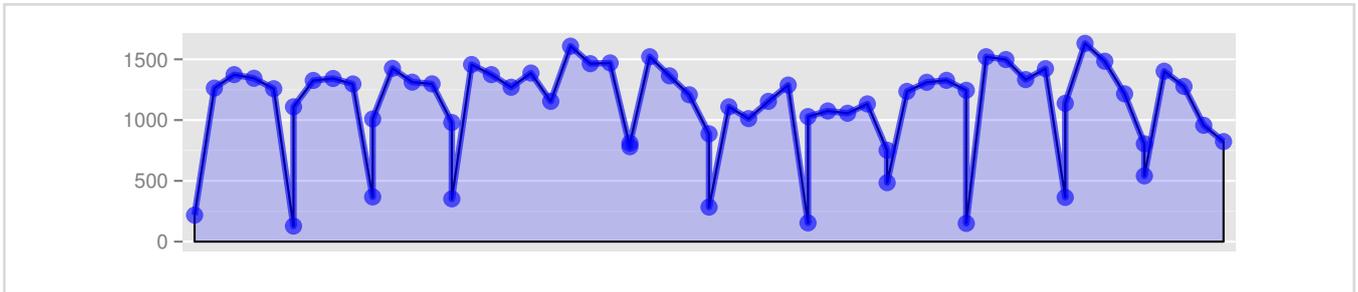
Figure 3. Number of sessions by week originating
in France

	Worldwide	National	National portal
User sessions	1,574,854	68,372	-
Pages per session	4.46	3.69	-
Avg. session duration	7:06	5:42	-
Bounce rate	61.94	69.39	-
% of new sessions	63.43	55.53	-

Table 2. 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

Users from

France

made

1,246

download requests representing

1.19%

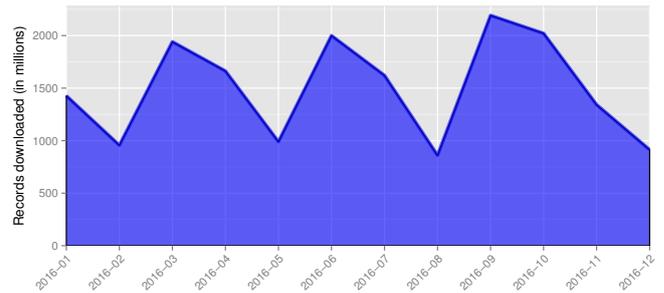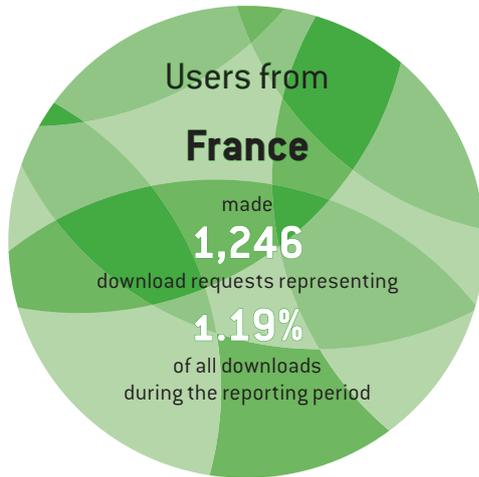of all downloads
during the reporting period

Figure 4. Number of occurrence records downloaded via GBIF.org published by institutions 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.

Araújo, Assis, Aguillar et al. (2016) Status, trends and drivers of kelp forests in Europe: an expert assessment *Biodiversity and Conservation.* 25(7):1319-1348.
http://dx.doi.org/10.1007/s10531-016-1141-7

Bellard, Genovesi & Jeschke (2016) Global patterns in threats to vertebrates by biological invasions *Proceedings of the Royal Society B: Biological Sciences.* 283(1823):20152454.
http://dx.doi.org/10.1098/rspb.2015.2454

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

Bocksberger, Schnitzler, Chatelain et al. (2016) Climate and the distribution of grasses in West Africa *Journal of Vegetation Science.*
http://dx.doi.org/10.1111/jvs.12360

Boucher, Lavergne, Basile et al. (2016) Evolution and biogeography of the cushion life form in angiosperms *Perspectives in Plant Ecology, Evolution and Systematics.* 20:22-31.
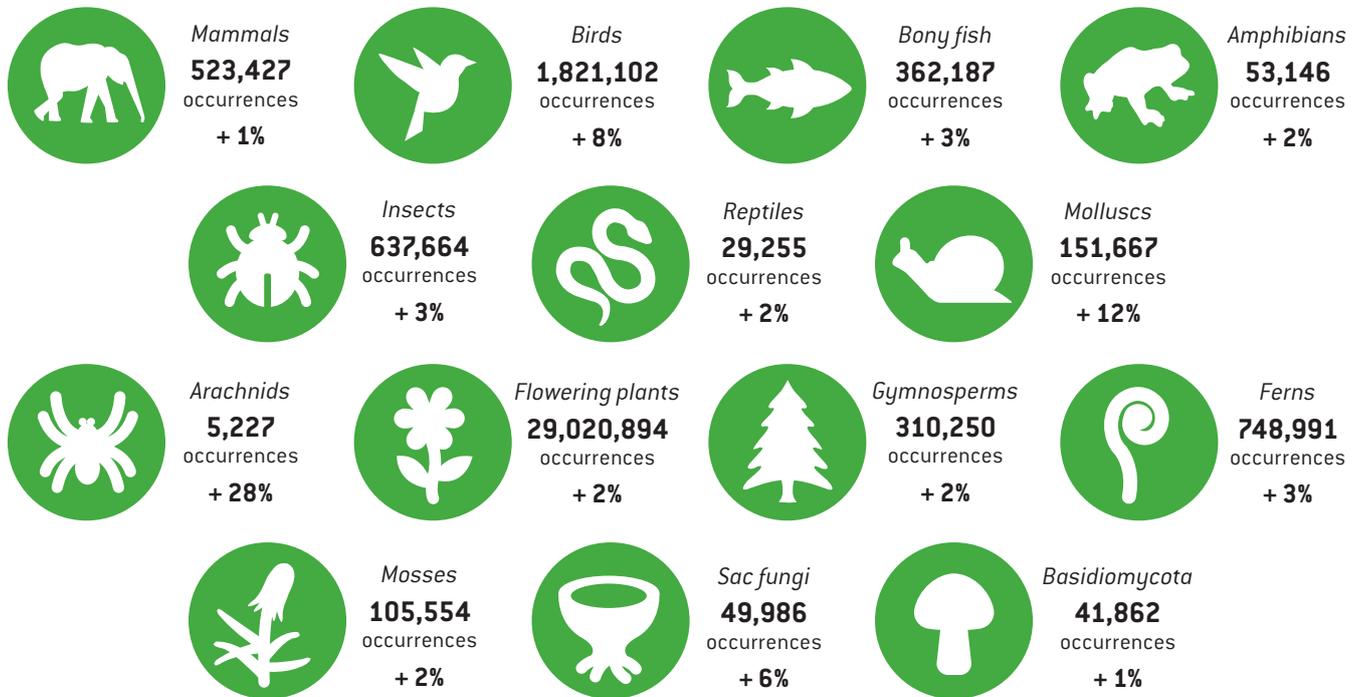http://dx.doi.org/10.1016/j.ppees.2016.03.002

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

Mammals
523,427
occurrences
+ 1%

Birds
1,821,102
occurrences
+ 8%

Bony fish
362,187
occurrences
+ 3%

Amphibians
53,146
occurrences
+ 2%

Insects
637,664
occurrences
+ 3%

Reptiles
29,255
occurrences
+ 2%

Molluscs
151,667
occurrences
+ 12%

Arachnids
5,227
occurrences
+ 28%

Flowering plants
29,020,894
occurrences
+ 2%

Gymnosperms
310,250
occurrences
+ 2%

Ferns
748,991
occurrences
+ 3%

Mosses
105,554
occurrences
+ 2%

Sac fungi
49,986
occurrences
+ 6%

Basidiomycota
41,862
occurrences
+ 1%

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

Ferns = phylum Pteridophyta
Mosses = phylum bryophyta
Sac fungi = phylum Ascomycota
Basidiomycota = phylum Basidiomycota

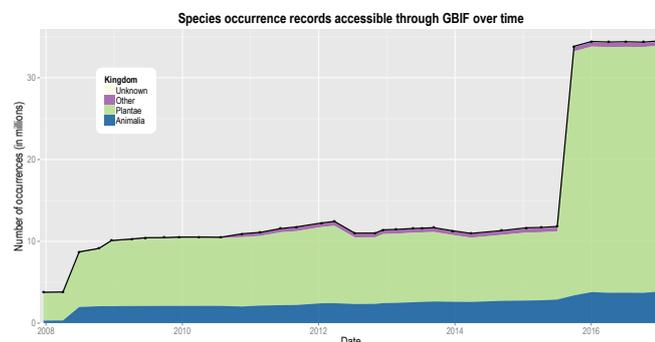## Change over time in records about biodiversity in France

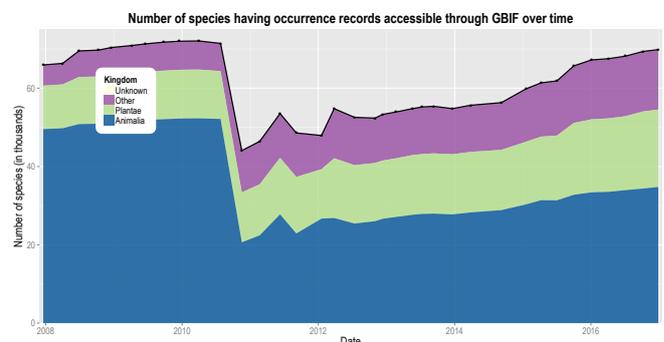*Figure 5. Occurrence records available about species occurring in France*

Figure 6. Species having occurrence records available from 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.

Data availability

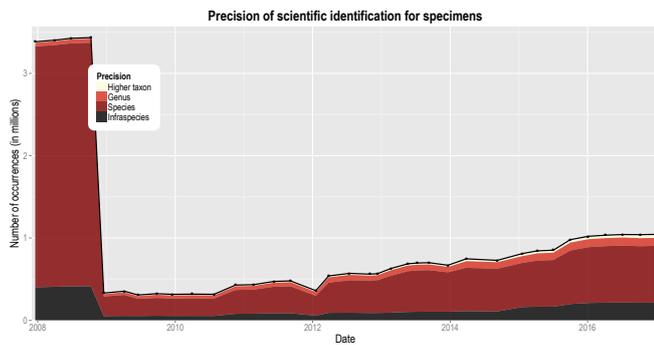## Change in taxonomic precision of records about biodiversity occurring in France

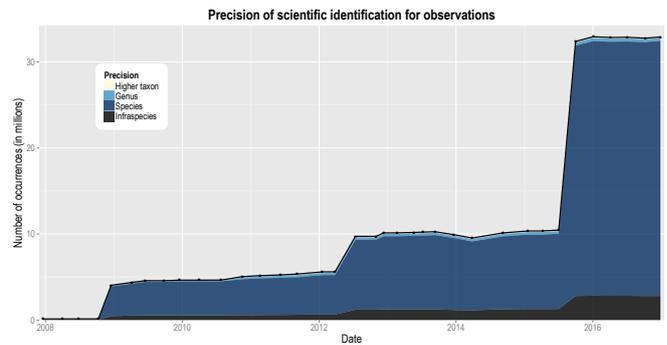*Figure 7. Taxonomic precision of specimen records occurring in France*

Figure 8. Taxonomic precision of observation records occurring 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
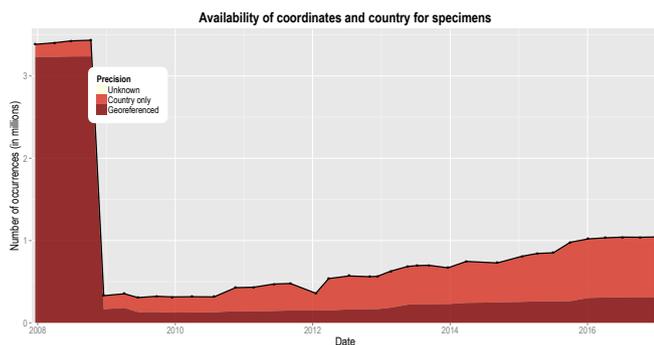

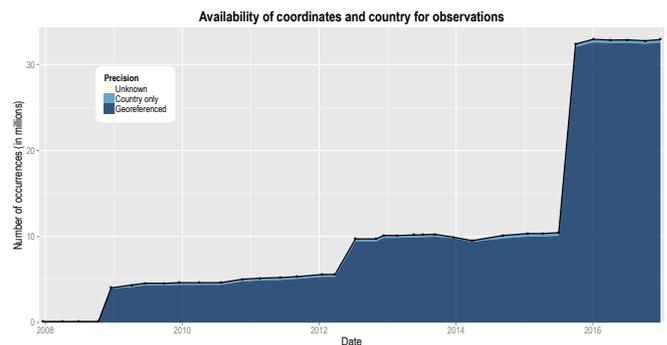*Figure 9. Geographic precision of specimen records occurring in France*

Figure 10. Geographic precision of observation records 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.

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

Data mobilization

Trends in biodiversity data published by national institutions in France
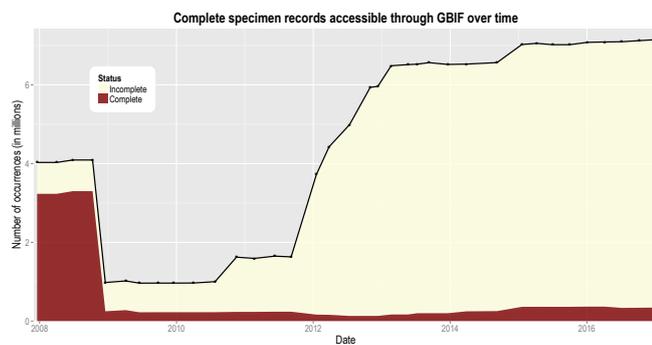

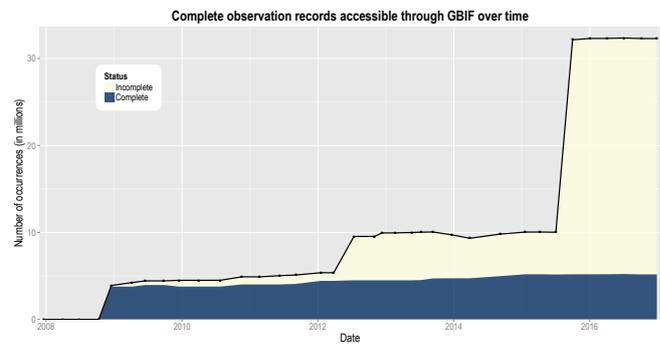Figure 11. Completeness of specimen records published by institutions from France

Figure 12. Completeness of observation records published by institutions from 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.)

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

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.

The fishes collection (IC) of the Muséum national d'Histoire naturelle (MNHN - Paris). Occurrence dataset. Updated 02 Dec, 2016. 134,555 records. Published by MNHN - Museum national d'Histoire naturelle.

The Diptera collection (ED) of the Muséum national d'Histoire naturelle (MNHN - Paris). Occurrence dataset. Updated 02 Dec, 2016. 10,468 records. Published by MNHN - Museum national d'Histoire naturelle.

The crustaceans collection (IU) of the Muséum national d'Histoire naturelle (MNHN - Paris). Occurrence dataset. Updated 02 Dec, 2016. 65,201 records. Published by MNHN - Museum national d'Histoire naturelle.

The birds collection (ZO) of the Muséum national d'Histoire Naturelle (MNHN - Paris). Occurrence dataset. Updated 02 Dec, 2016. 33,394 records. Published by MNHN - Museum national d'Histoire naturelle.

See all datasets
http://www.gbif.org/dataset/search?publishingCountry=FR

Newest publishers from France

Université de Montpellier, Institut des Sciences de l'Evolution

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 all publishers
http://www.gbif.org/country/FR/publishers

Data mobilization

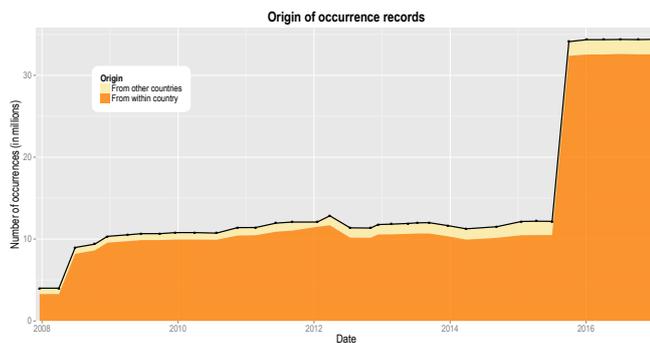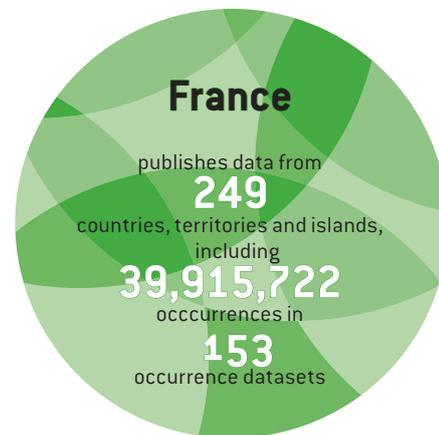## Data sharing with country of origin by national institutions in France

Figure 13. Data sharing with country of origin

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

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

Table 3. Ranking of countries contributing data about France

See all contributing countries
http://www.gbif.org/country/FR/about/countries
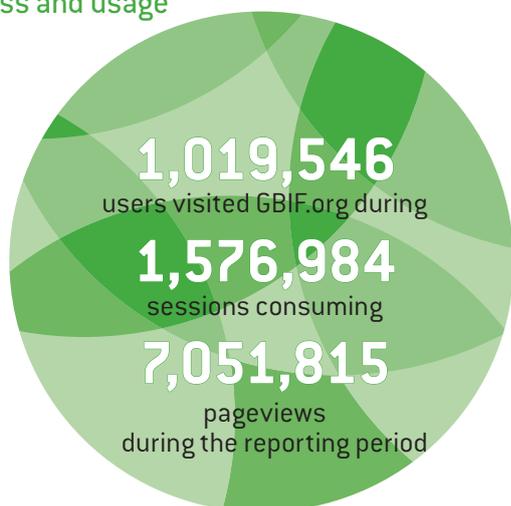
Top datasets contributing data about France

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

GBIF

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

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

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

See data for all countries
http://www.gbif.org/country

Recent news
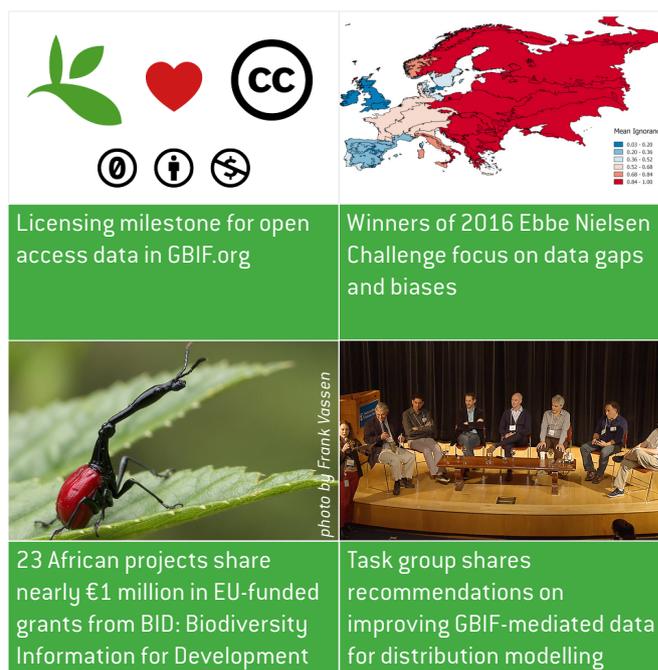
Licensing milestone for open
access data in GBIF.org

Winners of 2016 Ebbe Nielsen
Challenge focus on data gaps
and biases

photo by Frank Vassen

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

Read all news
http://www.gbif.org/newsroom/news