



generated July 2018

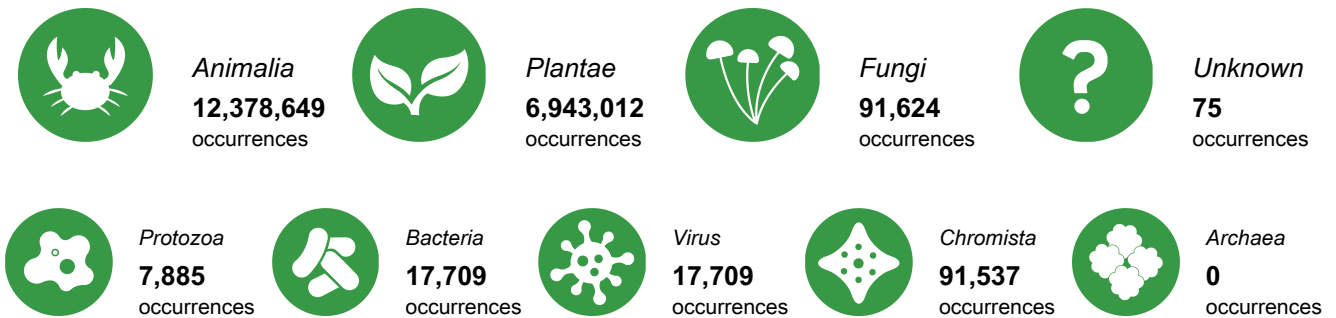
## Belgium

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 Belgium. 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.

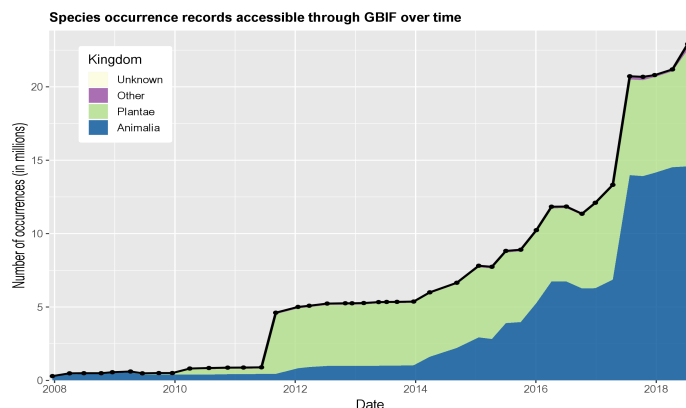
### ► Access and usage



### ► Data availability in Belgium



### ► Data mobilization

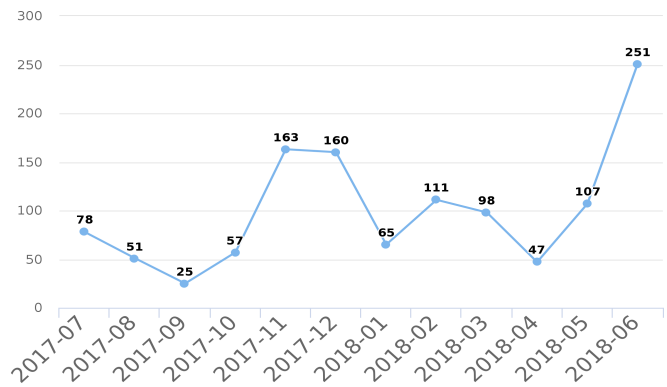
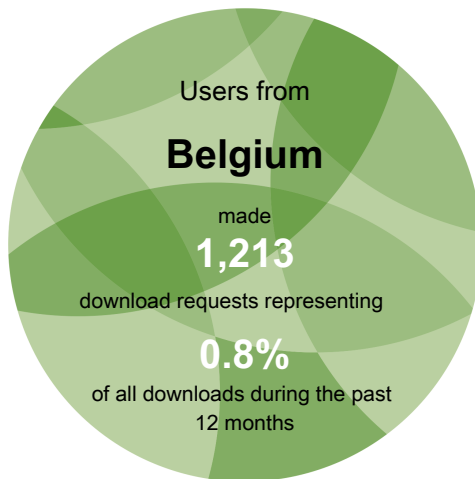


Number of records published by institutions in Belgium, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in Belgium



Monthly downloads requested by users in Belgium

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

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 Belgium.

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

Duffy, Jacquemyn. (2018) Climate change increases ecogeographic isolation between closely related plants. *Journal of Ecology*.

<https://doi.org/10.1111/1365-2745.13032>

Wetzel, Bingham, Groom *et al.* (2018) Unlocking biodiversity data: Prioritization and filling the gaps in biodiversity observation data in Europe. *Biological Conservation*.

<https://doi.org/10.1016/j.biocon.2017.12.024>

Marques-Souza, Prates, Fouquet *et al.* (2018) Reconquering the water: Evolution and systematics of South and Central American aquatic lizards (Gymnophthalmidae). *Zoologica Scripta*.

<https://doi.org/10.1111/zsc.12273>

Boets, Gobeyn, Dillen *et al.* (2018) Assessing the suitable habitat for reintroduction of brown trout ( *Salmo trutta forma fario* ) in a lowland river: A modeling approach. *Ecology and Evolution*.

<https://doi.org/10.1002/ece3.4022>

Moreau, Mah, Agüera *et al.* (2018) Antarctic and Sub-Antarctic Asteroidea database. *ZooKeys*.

<https://doi.org/10.3897/zookeys.747.22751>

See all research from this country or area  
[gbif.org/country/BE/publications](https://gbif.org/country/BE/publications)

## Data availability

### Total data available for selected taxonomic groups in Belgium



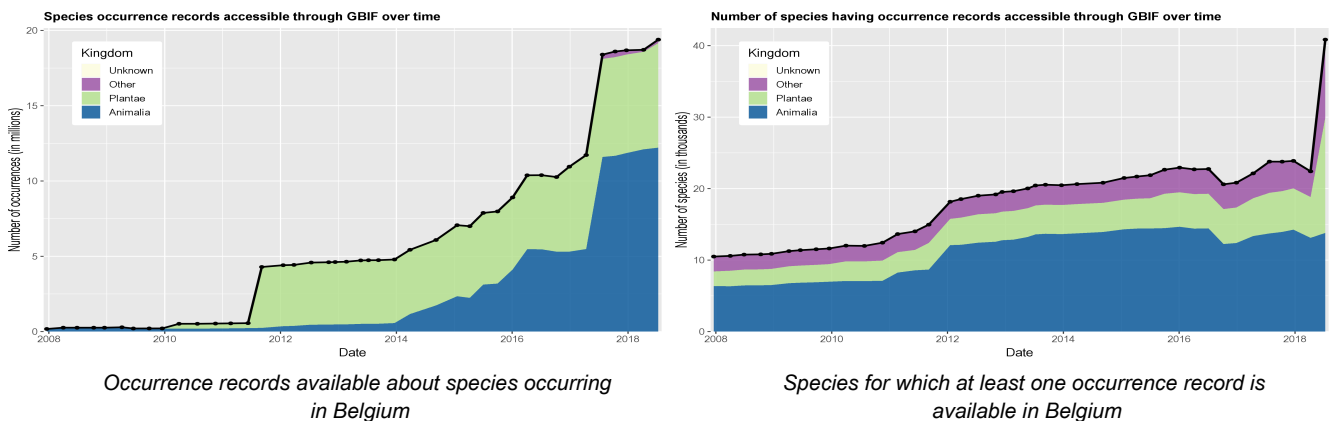
Mammals = Class Animalia  
 Birds = Class Aves  
 Bony fish = Superclass Osteichthyes  
 Amphibians = Class Amphibia

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 Belgium



#### 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 Belgium

RINSE - Pathways and vectors of biological invasions in Northwest Europe. *Published by Research Institute for Nature and Forest (INBO)*  
<https://doi.org/10.15468/guejza>

Living plant collection of Meise Botanic Garden. *Published by Botanic Garden Meise*  
<https://doi.org/10.15468/yefl6d>

ECOPOT\_2: Phytoplankton in Flemish waterbodies. *Published by Ghent University*  
<https://doi.org/10.15468/jz1cdj>

RINSE - Registry of non-native species in the Two Seas region countries (Great Britain, France, Belgium and the Netherlands). *Published by Research Institute for Nature and Forest (INBO)*  
<https://doi.org/10.15468/focajn>

ECOPOT\_1: Phytoplankton in Flemish Waterbodies. *Published by Ghent University*  
<https://doi.org/10.15468/3pxfji>

Exotic plant occurrences in Wallonia. *Published by Service Public de Wallonie – Département d'Etude du Milieu Naturel et Agricole (SPW – DEMNA)*  
<https://doi.org/10.15468/cqfrx0>

See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=BE](https://gbif.org/dataset/search?publishing_country=BE)

## Newest publishers from Belgium

Natagriwal asbl

BCCM - Belgian Coordinated Collections of Micro-organisms

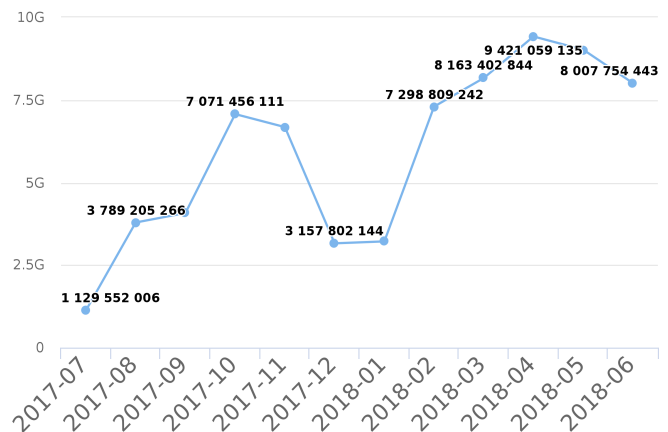
Université de Namur Département de Biologie

Flanders Environment Agency (VMM)

University of Liège

See all publishers from this country or area  
[gbif.org/publisher/search?country=BE](https://gbif.org/publisher/search?country=BE)

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

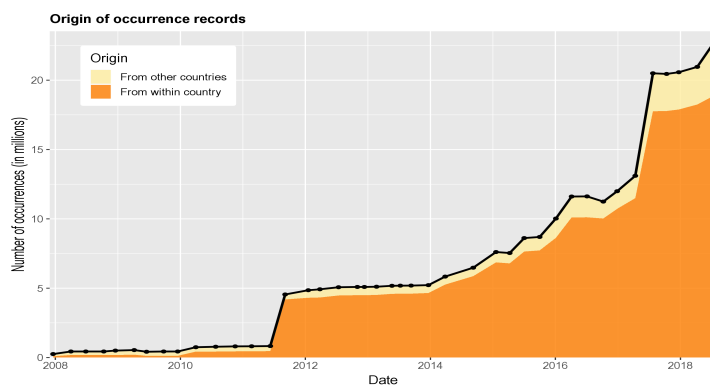


Number of occurrence records downloaded via GBIF.org published by institutions in Belgium

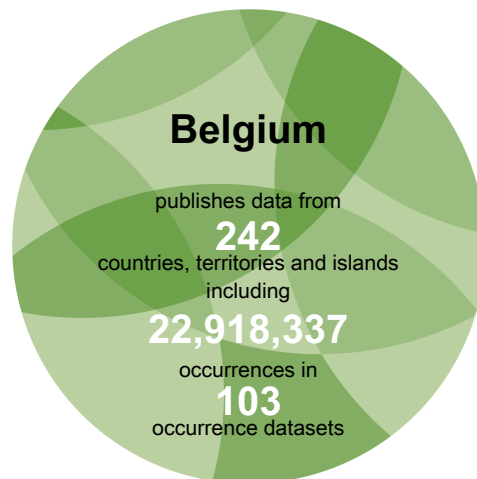


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Belgium

Rank	Country or area	No. of occurrences
1	Belgium	19,093,323
2	Germany	280,013
3	Netherlands	72,804
4	United States of America	53,734
5	Luxembourg	10,494
6	United Kingdom	5,727
7	Colombia	4,655
8	France	4,650
9	Spain	4,221
10	Canada	3,672

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

### Top datasets contributing data about Belgium

Bird tracking - GPS tracking of Lesser Black-backed Gulls and Herring Gulls breeding at the southern North Sea coast. *6,858,179 occurrences in Belgium.* (Last updated 13 Dec 2017)

Florabank1 - A grid-based database on vascular plant distribution in the northern part of Belgium (Flanders and the Brussels Capital region). *3,937,284 occurrences in Belgium.* (Last updated 25 May 2018)

Waarnemingen.be - Plant occurrences in Flanders and the Brussels Capital Region, Belgium. *1,199,926 occurrences in Belgium.* (Last updated 13 Dec 2017)

Belgian IFBL Flora Checklists (1939-1971). *1,045,806 occurrences in Belgium.* (Last updated 5 Mar 2018)

Waarnemingen.be - Butterfly occurrences in Flanders and the Brussels Capital Region, Belgium. *899,407 occurrences in Belgium.* (Last updated 13 Dec 2017)

See all contributing countries and areas or datasets: [gbif.org/country/BE/about](http://gbif.org/country/BE/about)



## Belgium participates in the following projects coordinated by GBIF

### Internationalization of the ALA node portal

*Capacity Enhancement Support Programme, 2015–2016*

Translation of ALA portal's user interface and technical documentation, such as installation and operation guides, into French, Portuguese and Spanish for use by the GBIF network.

<https://www.gbif.org/project/82202>

### European Bireme: EU Nodes in biodiversity reporting mechanisms

*Capacity Enhancement Support Programme, 2017–2018*

By detailing national reporting processes and data flows in several European Union member states, this project will explore how changes to GBIF tools and procedures could streamline and improve biodiversity reporting across the region.

<https://www.gbif.org/project/83336>

### International workshop on invasive species in the sub-Saharan area

*Capacity Enhancement Support Programme, 2014–2015*

This bilingual regional training event will promote knowledge exchange between biodiversity experts and establish a coordinated early warning and response network for invasive alien species across the entire sub-Saharan region (Maghreb and Sahel).

<https://www.gbif.org/project/82223>

### Strengthening GBIF Philippines

*BIFA: Biodiversity Information Fund for Asia, 2016–2017*

This project aims at strengthening PhilBIF by enhancing the capacities of partners in the publishing of biodiversity information according to GBIF standards.

<https://www.gbif.org/project/82652>

See all GBIF projects  
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)