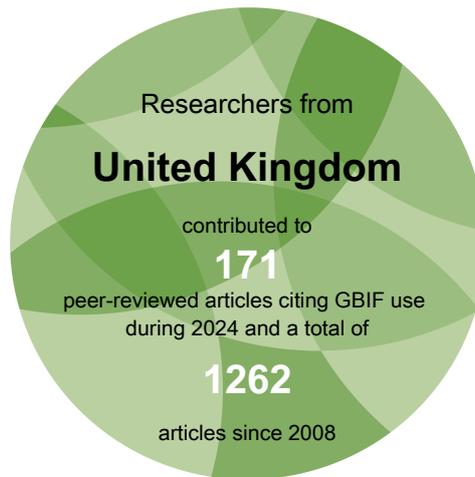


generated January 2025

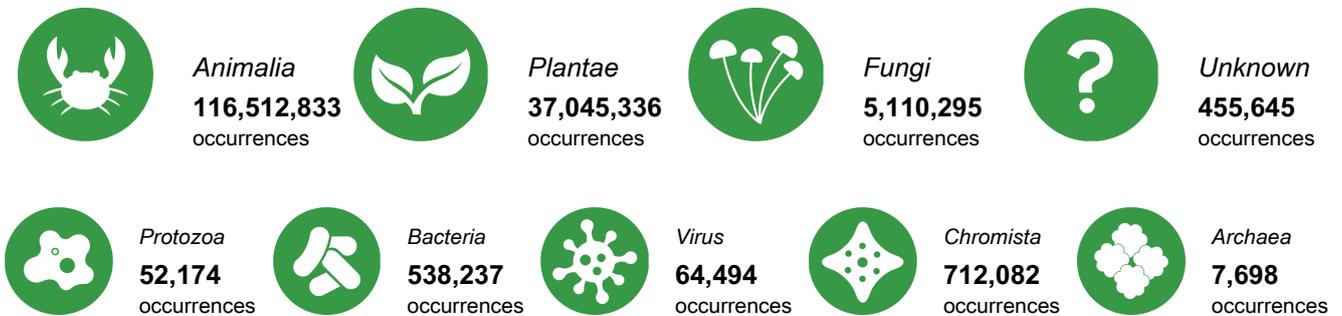
## United Kingdom

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 United Kingdom. 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.

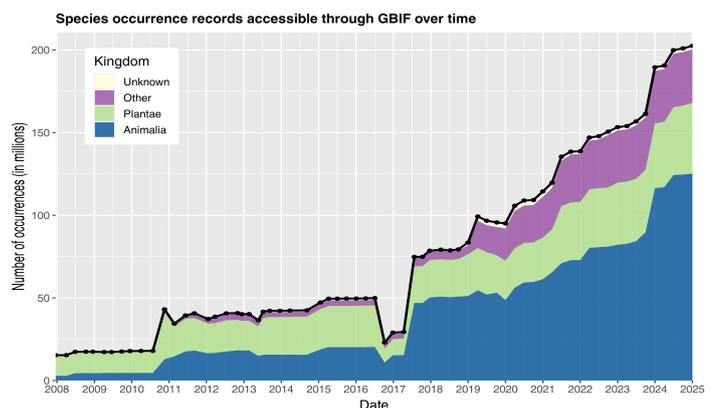
### ► Access and usage



### ► Data availability in United Kingdom



### ► Data mobilization

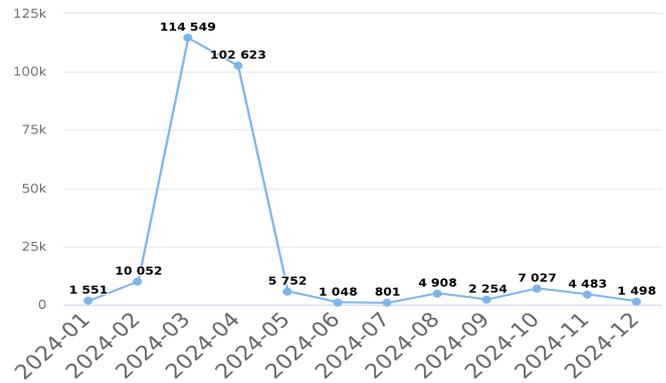
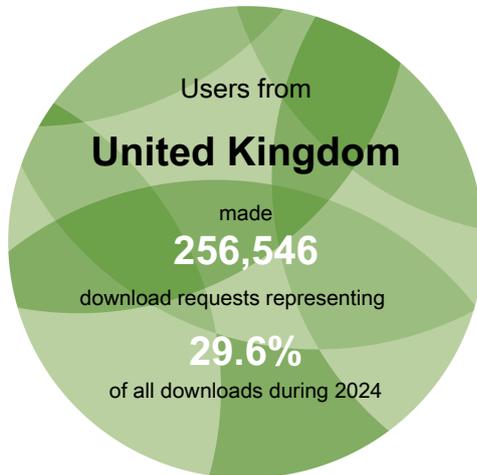


Number of records published by institutions in United Kingdom, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in United Kingdom



Monthly downloads requested by users in United Kingdom

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

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 United Kingdom.

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).

Jain, Cunha, Bunsen *et al.* (2024) Insect Identification in the Wild: The AMI Dataset. *Lecture Notes in Computer Science, Computer Vision – ECCV 2024*.

[https://doi.org/10.1007/978-3-031-72913-3\\_4](https://doi.org/10.1007/978-3-031-72913-3_4)

Song, Wambulwa, Milne *et al.* (2024) Deep plastid phylogeographic divergence of beaked hickory (*Carya sinensis*) calls for transboundary conservation in a biodiversity hotspot. *Tree Genetics & Genomes*.

<https://doi.org/10.1007/s11295-024-01683-5>

Chowdhury, Cardillo, Chapman *et al.* (2024) Protected area coverage of the full annual cycle of migratory butterflies. *Conservation Biology*.

<https://doi.org/10.1111/cobi.14423>

Fallert, Li, Cabral. (2024) metaRange: A framework to build mechanistic range models. *Methods in Ecology and Evolution*.

<https://doi.org/10.1111/2041-210x.14461>

González-Moreno, Anđelković, Adriaens *et al.* (2024) Citizen science platforms can effectively support early detection of invasive alien species according to species traits. *People and Nature*.

<https://doi.org/10.1002/pan3.10767>

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



## Data availability

### Total data available for selected taxonomic groups in United Kingdom



**Mammals**  
2,621,718  
occurrences



**Birds**  
48,456,926  
occurrences



**Bony fish**  
727,063  
occurrences



**Amphibians**  
346,321  
occurrences



**Insects**  
57,652,184  
occurrences



**Reptiles**  
163,458  
occurrences



**Molluscs**  
1,877,582  
occurrences



**Arachnids**  
402,898  
occurrences



**Flowering plants**  
31,314,436  
occurrences



**Ferns**  
1,154,185  
occurrences



**Gymnosperms**  
263,442  
occurrences



**Mosses**  
3,019,385  
occurrences



**Sac fungi**  
3,228,246  
occurrences



**Basidiomycota**  
1,709,070  
occurrences

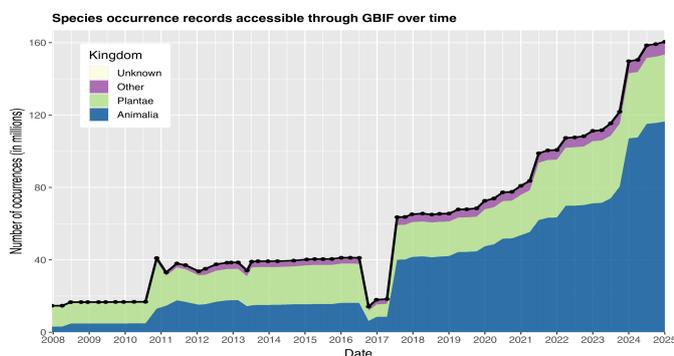
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

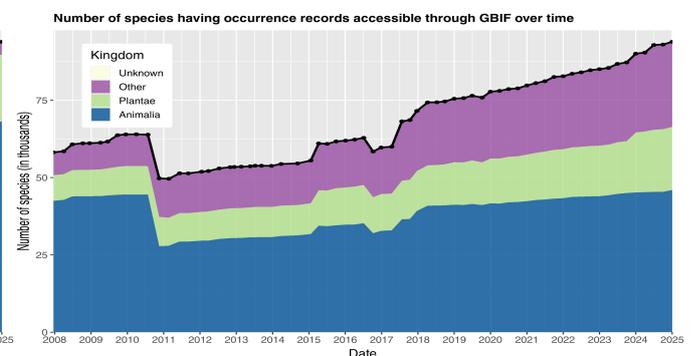
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

Ferns = Phylum *Pteridophyta*  
Mosses = Phylum *Bryophyta*  
Sac fungi = Phylum *Ascomycota*  
Basidiomycota = Phylum  
*Basidiomycota*

## Change over time in records about biodiversity in United Kingdom



Occurrence records available about species occurring in United Kingdom



Species for which at least one occurrence record is available in United Kingdom

### 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 United Kingdom

Sediments and biological samples from the 27th expedition of Peru (ANTARXXVII Leg 2) to Antarctica (Bransfield Strait, South Shetland Islands and Hope Bay) - data. *Published by SCAR - AntOBIS*  
<https://doi.org/10.15468/697wuf>

Holy Loch Food Web. *Published by Holy Loch Nature Reserve*  
<https://doi.org/10.15468/sf86ac>

2023 FISP: Ecosystem Benefits of UK Oyster Aquaculture Sites Pembrokeshire Sediment Sampling Survey. *Published by Marine Biological Association*  
<https://doi.org/10.17031/663b2a1f12ced>

2015 Marine Biological Association of the United Kingdom (MBA) Whitsand bay Sandy Shore Box Cores. *Published by Marine Biological Association*  
<https://doi.org/10.17031/66a3c4f841842>

2015 SSE Renewables Beatrice Offshore Wind Farm pre-construction benthic grab survey. *Published by Marine Biological Association*  
<https://doi.org/10.17031/6452722f2110c>

1999 - 2010 Alien species of Bugula (Bryozoa) along the Atlantic coasts of Europe Surveys of Marinas and Harbours. *Published by Marine Biological Association*  
<https://doi.org/10.17031/66a39ffc38c8a>

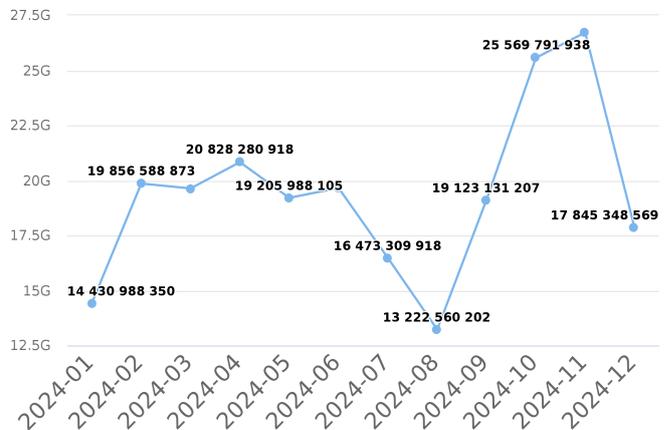
See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=GB](http://gbif.org/dataset/search?publishing_country=GB)

### Newest publishers from United Kingdom

- Holy Loch Nature Reserve
- Cambridge University Herbarium (CGE)
- MammalWeb
- Amphibian and Reptile Conservation
- iSpot

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

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

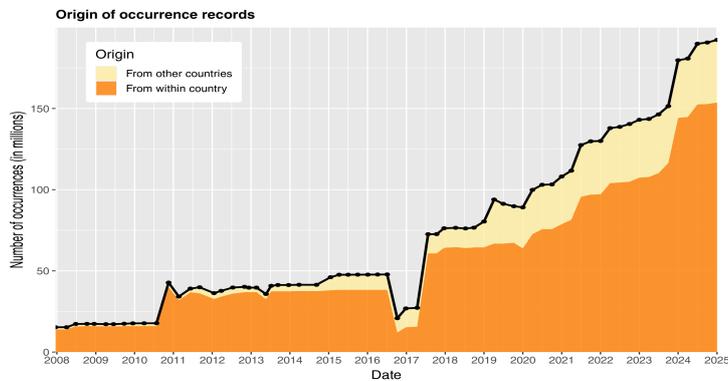


Number of occurrence records downloaded via GBIF.org published by institutions in United Kingdom

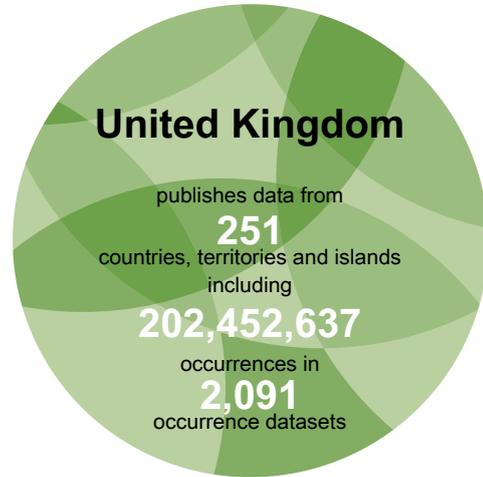


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in United Kingdom

Rank	Country or area	No. of occurrences
1	United Kingdom	153,644,289
2	United States of America	2,989,409
3	Belgium	1,714,976
4	France	714,317
5	Netherlands	603,086
6	International organization or unknown country	255,132
7	Ireland	175,431
8	Germany	62,502
9	Colombia	49,500
10	Norway	37,046

Table 1. Ranking of countries or areas contributing data about United Kingdom

### Top datasets contributing data about United Kingdom

- EOD – eBird Observation Dataset. *32,810,292 occurrences in United Kingdom.* (Last updated 27 Sep 2024)
- Macro-moth distribution records for the UK from Butterfly Conservation, up to 2019. *30,510,792 occurrences in United Kingdom.* (Last updated 21 Nov 2024)
- BSBI data from several English counties, up to 2018. *9,842,417 occurrences in United Kingdom.* (Last updated 27 Nov 2024)
- UK Butterfly Monitoring Scheme (UKBMS). *8,165,207 occurrences in United Kingdom.* (Last updated 28 Nov 2024)
- Other BSBI Scottish data up to 2018. *5,867,642 occurrences in United Kingdom.* (Last updated 21 Nov 2024)

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



## United Kingdom participates in the following projects coordinated by GBIF

### Atlas of Living Scotland

, 2016–2016

The Atlas of Living Scotland was created in 2015 to provide a platform for the collection, aggregation, analysis and use of biological data in Scotland.

<https://www.gbif.org/project/82973>

### 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>

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