



generated January 2025

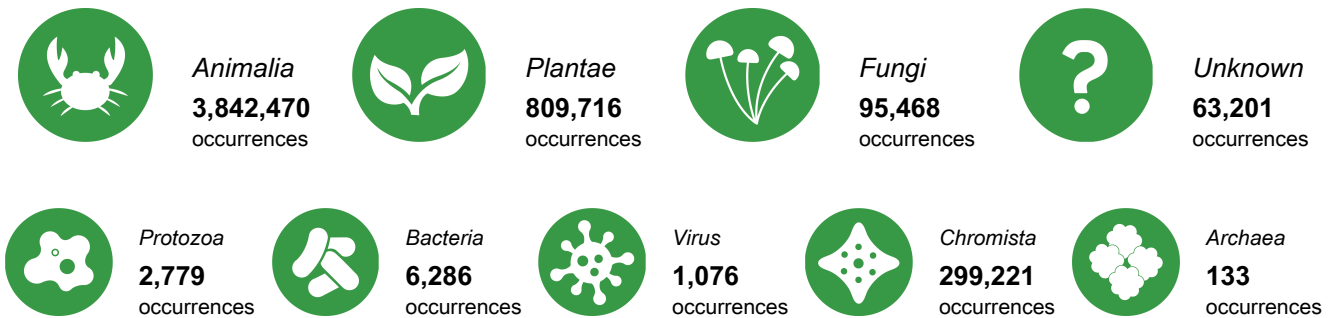
## Ireland

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 Ireland. 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.

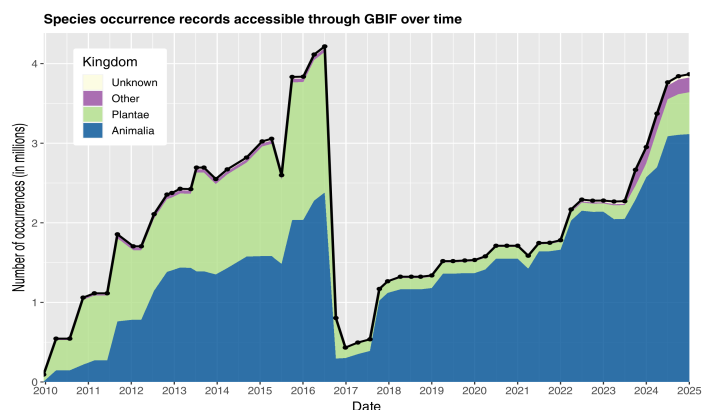
### ► Access and usage



### ► Data availability in Ireland



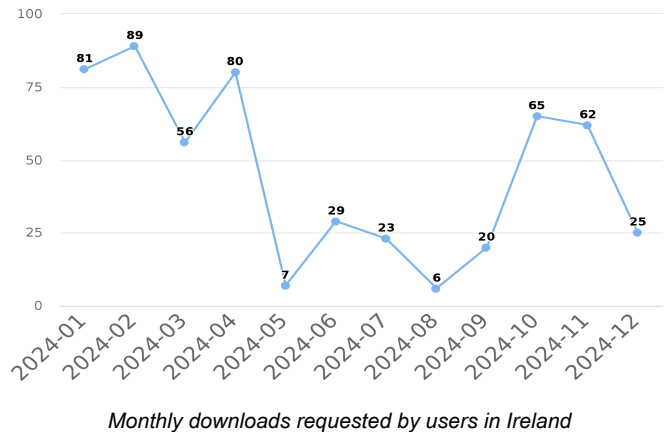
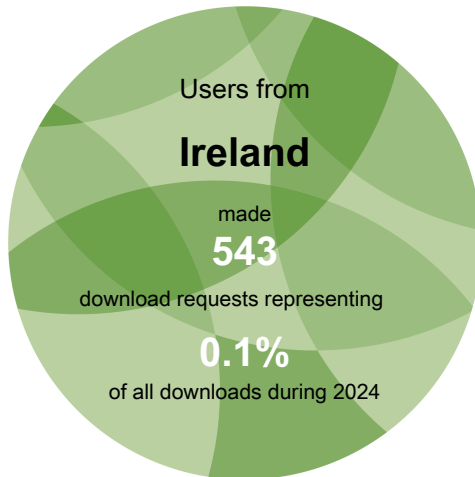
### ► Data mobilization





## Access and usage

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



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

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 Ireland.

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).

Echeverri, Batista, Wolny *et al.* (2024) Toward Sustainable Biocultural Ecotourism: An Integrated Spatial Analysis of Cultural and Biodiversity Richness in Colombia. *People and Nature*.  
<https://doi.org/10.1002/pan3.10755>

Beca-Carretero, Varela, Rossiter *et al.* (2024) An integrated mapping approach highlights extended distribution and high environmental status of Irish seagrass meadows. *Marine Pollution Bulletin*.  
<https://doi.org/10.1016/j.marpolbul.2024.117082>

Kosch, Crawford, Mueller *et al.* (2024) Comparative analysis of amphibian genomes: An emerging resource for basic and applied research. *Molecular Ecology Resources*.  
<https://doi.org/10.1111/1755-0998.14025>

Gross, Duffy, Hovel *et al.* (2024) A Latitudinal Cline in the Taxonomic Structure of Eelgrass Epifaunal Communities is Associated With Plant Genetic Diversity. *Global Ecology and Biogeography*.  
<https://doi.org/10.1111/geb.13918>

Clubley, Silva, Wood *et al.* (2024) Multi-generational dispersal and dynamic patch occupancy reveals spatial and temporal stability of seascapes. *Science of The Total Environment*.  
<https://doi.org/10.1016/j.scitotenv.2024.175762>

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



## Data availability

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



**Mammals**  
**96,991**  
occurrences



**Birds**  
**2,318,776**  
occurrences



**Bony fish**  
**75,342**  
occurrences



**Amphibians**  
**6,301**  
occurrences



**Insects**  
**796,589**  
occurrences



**Reptiles**  
**4,295**  
occurrences



**Molluscs**  
**123,215**  
occurrences



**Arachnids**  
**10,584**  
occurrences



**Flowering plants**  
**531,874**  
occurrences



**Ferns**  
**18,715**  
occurrences



**Gymnosperms**  
**3,209**  
occurrences



**Mosses**  
**128,356**  
occurrences



**Sac fungi**  
**76,540**  
occurrences



**Basidiomycota**  
**18,329**  
occurrences

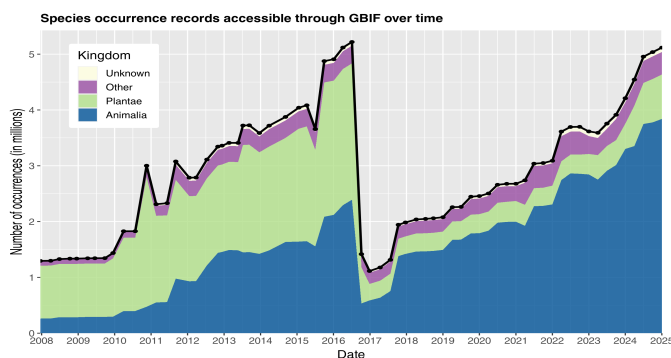
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

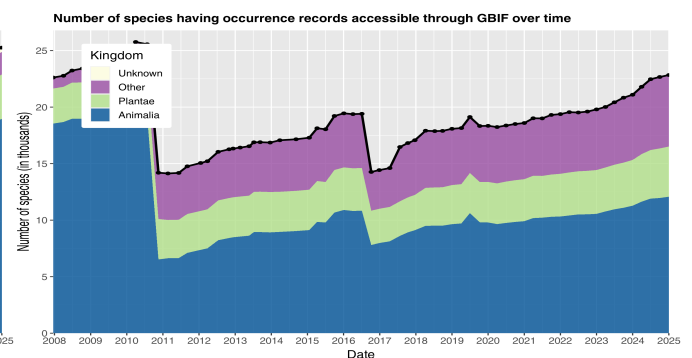
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

## Change over time in records about biodiversity in Ireland



Occurrence records available about species occurring in Ireland



Species for which at least one occurrence record is available in Ireland

### 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 Ireland

Vascular plants: Online Atlas of Vascular Plants 2012 Onwards. *Published by National Biodiversity Data Centre*  
<https://doi.org/10.15468/a2hped>

Tortoise Beetles (Cassidinae) of Ireland. *Published by National Biodiversity Data Centre*  
<https://doi.org/10.15468/b4fhck>

False Blister Beetles (Oedemeridae) of Ireland. *Published by National Biodiversity Data Centre*  
<https://doi.org/10.15468/pes3vf>

Handsome Fungus Beetles (Endomychidae) of Ireland. *Published by National Biodiversity Data Centre*  
<https://doi.org/10.15468/kc4zvk>

Irish Stoats of Ireland. *Published by National Biodiversity Data Centre*  
<https://doi.org/10.15468/7ttbku>

Citizen Science Harvestman records for Ireland. *Published by National Biodiversity Data Centre*  
<https://doi.org/10.15468/a4hzpq>

National Invasive Species Database. *Published by National Biodiversity Data Centre*  
<https://doi.org/10.15468/au9t2a>

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

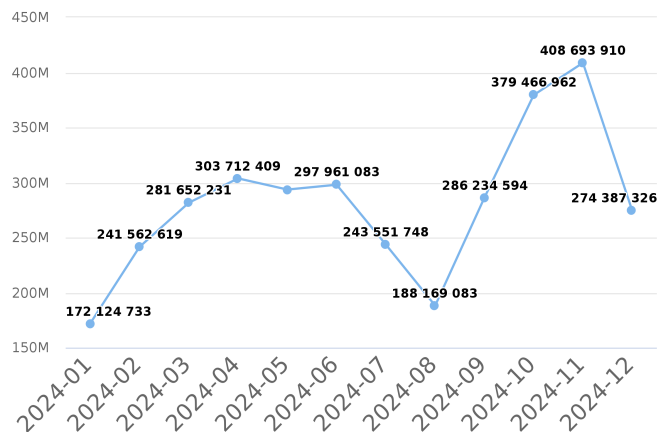
### Newest publishers from Ireland

Trinity College Dublin Geological Museum

National Biodiversity Data Centre

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

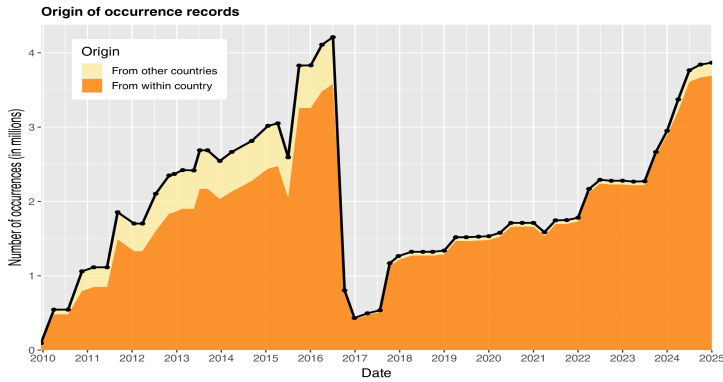
### Occurrence records downloaded from GBIF.org, published by institutions in Ireland



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

## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Ireland

Rank	Country or area	No. of occurrences
1	Ireland	3,692,300
2	United Kingdom	786,111
3	United States of America	240,285
4	Belgium	196,986
5	Netherlands	78,484
6	France	51,904
7	Germany	41,715
8	International organization or unknown country	5,613
9	Colombia	3,072
10	Canada	2,668

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

### Top datasets contributing data about Ireland

- EOD – eBird Observation Dataset. 1,394,284 occurrences in Ireland. (Last updated 27 Sep 2024)
- Bird Atlas 2007 - 2011. 455,959 occurrences in Ireland. (Last updated 28 Jul 2017)
- Vascular plants: Online Atlas of Vascular Plants 2012 Onwards. 304,419 occurrences in Ireland. (Last updated 3 Jan 2025)
- The CPR Survey. 281,147 occurrences in Ireland. (Last updated 23 Feb 2022)
- A national macroinvertebrate dataset collected for the biomonitoring of Ireland’s river network, 2007–2018 (EPA). 185,886 occurrences in Ireland. (Last updated 4 Mar 2022)

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



## Ireland participates in the following projects coordinated by GBIF

### 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 explored how changes to GBIF tools and procedures could streamline and improve biodiversity reporting across the region.

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

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