

generated January 2025

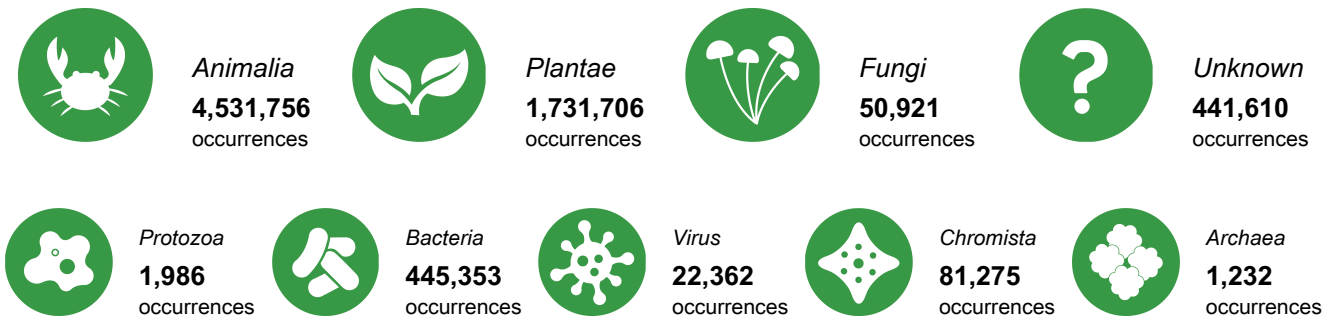
## Republic of Korea

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 Republic of Korea. 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.

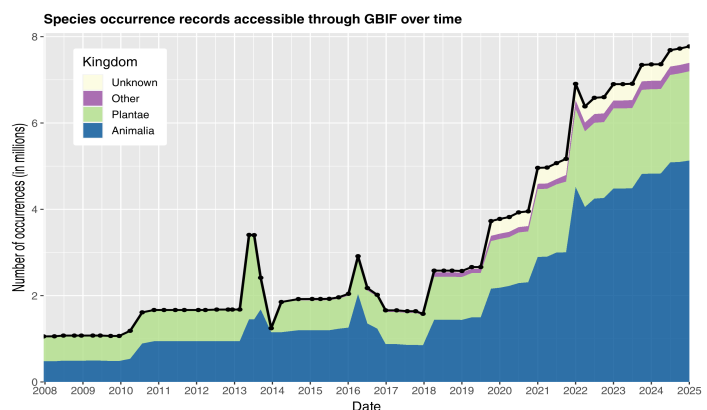
### ► Access and usage



### ► Data availability in Republic of Korea



### ► Data mobilization

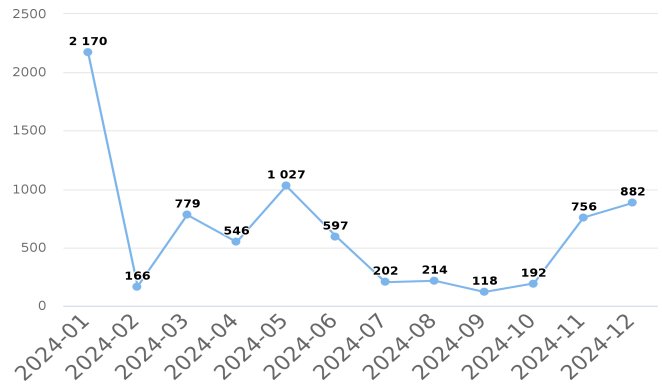
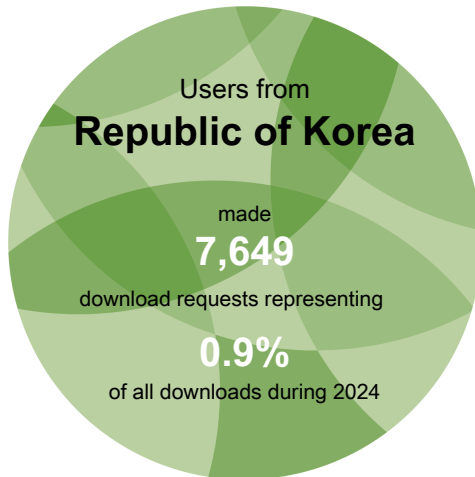


Number of records published by institutions in Republic of Korea, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in Republic of Korea



Monthly downloads requested by users in Republic of Korea

### Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Republic of Korea

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 Republic of Korea.

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).

Rahimi, Jung. (2024) A New SDM-Based Approach for Assessing Climate Change Effects on Plant-Pollinator Networks. *Insects*.

<https://doi.org/10.3390/insects15110842>

Kim, Shim, An *et al.* (2024) Screening potential habitats of non-indigenous freshwater fish using a climate zone habitat suitability assessment. *Biological Invasions*.

<https://doi.org/10.1007/s10530-024-03480-6>

Rahimi, Jung. (2024) A Global Estimation of Potential Climate Change Effects on Pollinator-Dependent Crops. *Agricultural Research*.

<https://doi.org/10.1007/s40003-024-00802-x>

Park, Lee, Yang *et al.* (2024) 한국에 자생하는 준맹그로브 황근의 분포와 식생 특성. *Korean Journal of Environment and Ecology*.

<https://doi.org/10.13047/kjee.2024.38.4.354>

Ong, Jung, Kim *et al.* (2024) Population connectivity and size reductions in the Anthropocene: the consequence of landscapes and historical bottlenecks in white forsythia fragmented habitats. *BMC Ecology and Evolution*.

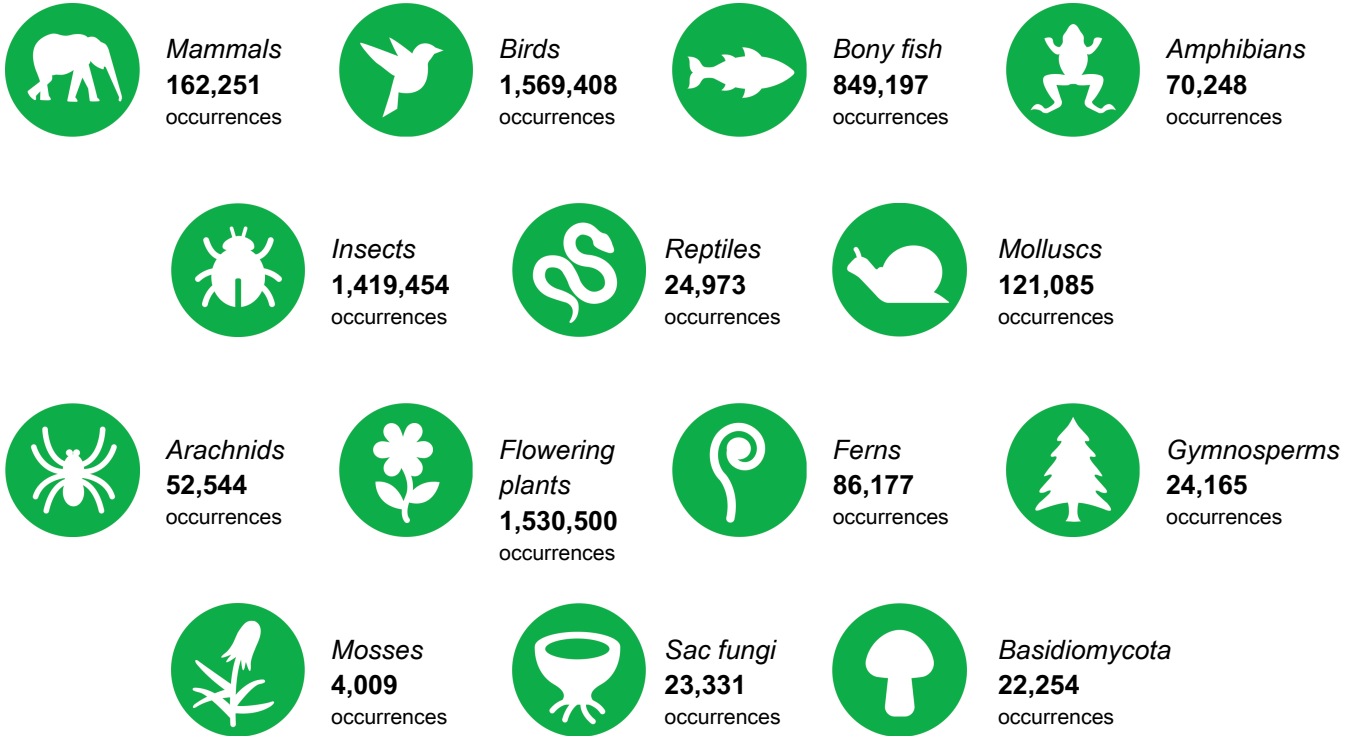
<https://doi.org/10.1186/s12862-024-02308-0>

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



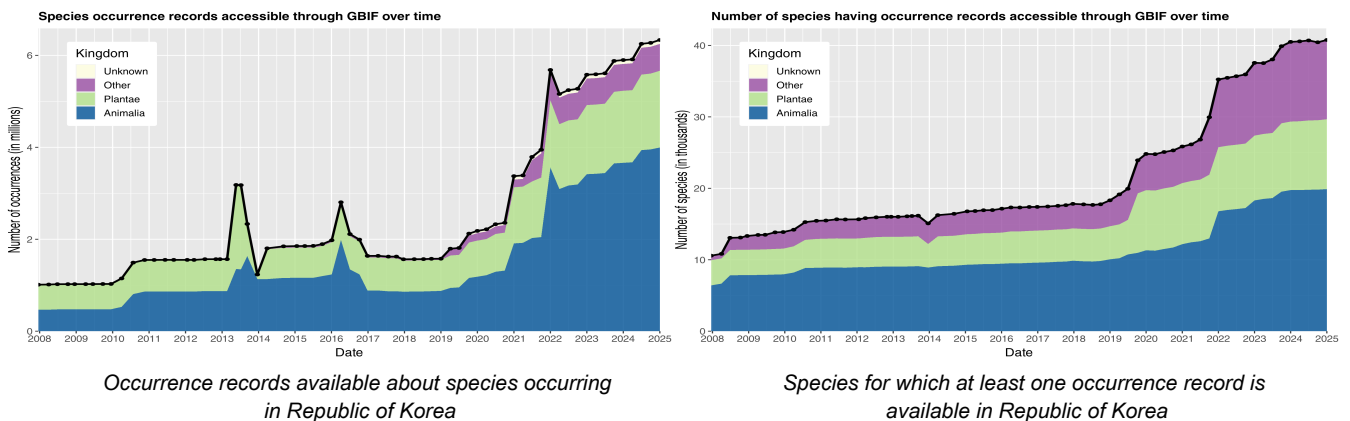
### Data availability

### Total data available for selected taxonomic groups in Republic of Korea



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 Republic of Korea



**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 Republic of Korea

2024 insect\_observation\_nsmk\_2656. *Published by National Science Museum of Korea*  
<https://doi.org/10.15468/fdmxcb>

2024\_naturing\_observation\_all\_9020. *Published by NATURING*  
<https://doi.org/10.15468/b8qdah>

2024\_naturing\_observation\_all\_13970. *Published by NATURING*  
<https://doi.org/10.15468/ps4gu2>

Vegetation survey data of Forest genetic resources protected areas of Korea. *Published by DMZ Botanic Garden*  
<https://doi.org/10.15468/yn5hmq>

2023 insect\_specimen\_ijib\_1003. *Published by National Science Museum of Korea*  
<https://doi.org/10.15468/wpxnsg>

2023 marine\_specimen\_enhm\_750. *Published by Ewha Womans University Natural History Museum*  
<https://doi.org/10.15468/jtmjsb>

2023 plant\_specimen\_enhm\_250. *Published by Ewha Womans University Natural History Museum*  
<https://doi.org/10.15468/tssv62>

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

### Newest publishers from Republic of Korea

NATURING

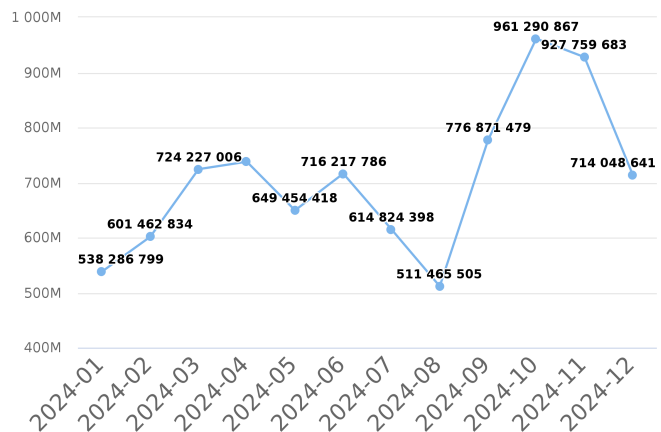
Seongnam City Hall

한국수목원정원관리원 - Korea Arboreta and Gardens Institute

DMZ Botanic Garden

National Marine Biodiversity Institute Of Korea

### Occurrence records downloaded from GBIF.org, published by institutions in Republic of Korea



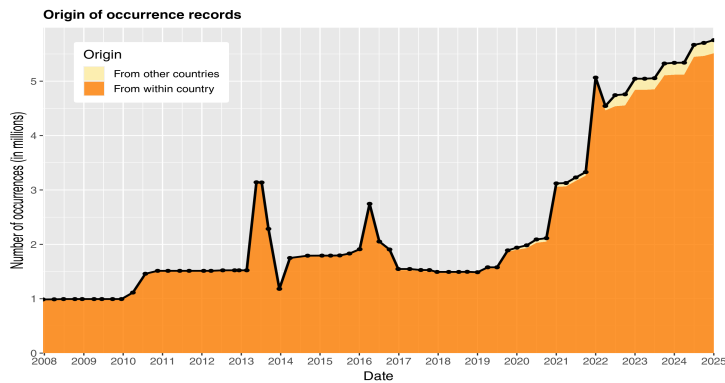
See all publishers from this country or area  
[gbif.org/publisher/search?country=KR](https://gbif.org/publisher/search?country=KR)

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

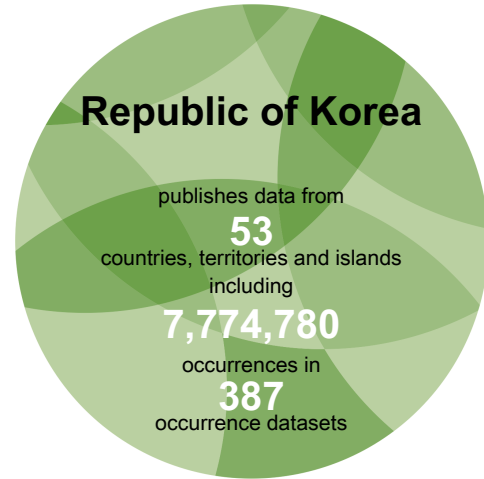


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Republic of Korea

Rank	Country or area	No. of occurrences
1	Republic of Korea	6,478,930
2	United Kingdom	513,710
3	United States of America	219,725
4	Japan	24,930
5	International organization or unknown country	16,840
6	Colombia	14,369
7	Estonia	9,017
8	Netherlands	3,994
9	China	3,871
10	Germany	3,260

Table 1. Ranking of countries or areas contributing data about Republic of Korea

### Top datasets contributing data about Republic of Korea

NIEK\_NES. *1,000,134 occurrences in Republic of Korea.* (Last updated 7 May 2024)

EOD – eBird Observation Dataset. *748,629 occurrences in Republic of Korea.* (Last updated 27 Sep 2024)

niek\_2022. *654,766 occurrences in Republic of Korea.* (Last updated 18 Jan 2022)

Plant. *565,816 occurrences in Republic of Korea.* (Last updated 18 Aug 2016)

flora&fauna(NIBR)2019. *555,992 occurrences in Republic of Korea.* (Last updated 19 Nov 2020)

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



## Republic of Korea participates in the following projects coordinated by GBIF

### Mobilization and georeferencing data from North Korea in major historical collections

*BIFA: Biodiversity Information Fund for Asia, 2019–2020*

<https://www.gbif.org/project/23KzzhGG5Gljd3rwKciASk>

### Data mining of historical herbarium specimens from the Korean peninsula

*BIFA: Biodiversity Information Fund for Asia, 2018–2019*

This project will mobilize existing biodiversity information and knowledge within the Korean Peninsula using the BRAHMS database. Much of the historical biodiversity information about the Korean peninsula is held in institutions outside of the region

<https://www.gbif.org/project/1WAshWi9buQEeYQQM0QUA>

See all GBIF projects

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