

generated January 2026

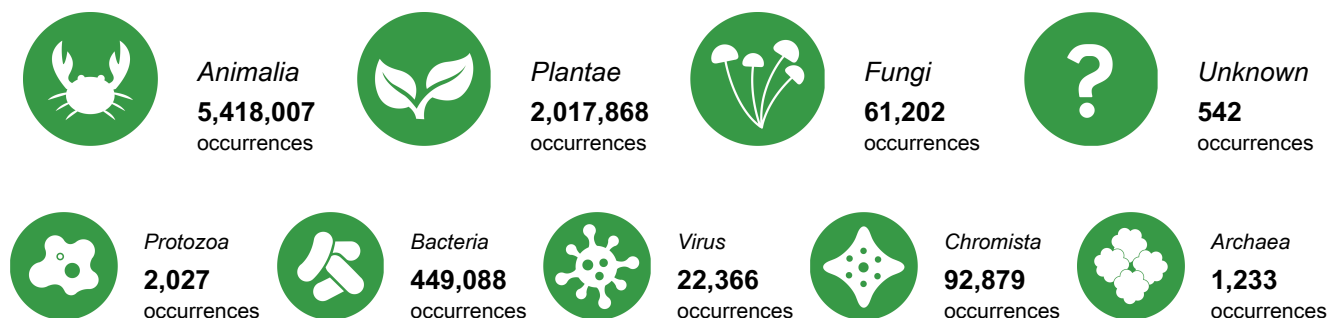
Republic of Korea

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.

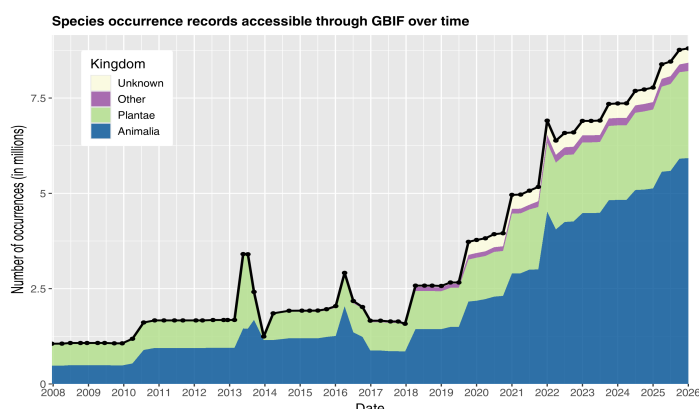
► Access and usage



► Data availability in Republic of Korea



► Data mobilization

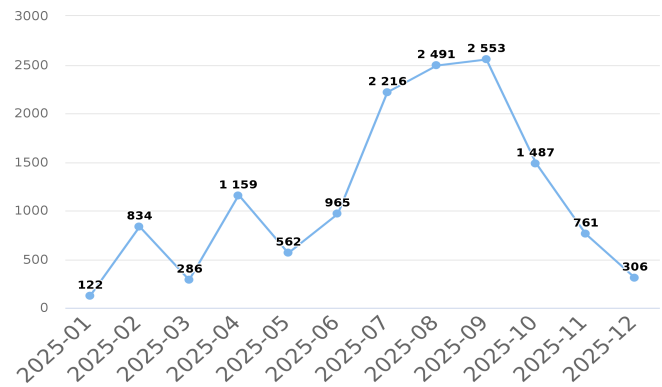
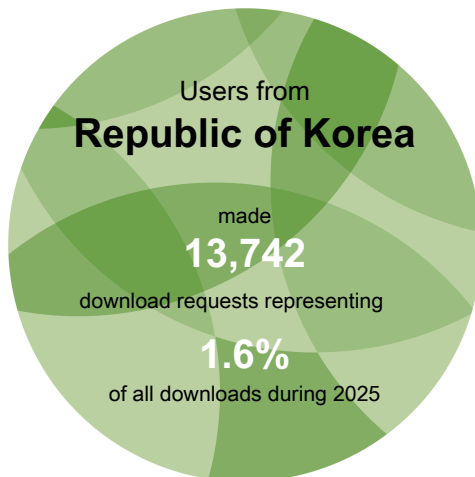


Number of records published by institutions in Republic of Korea, categorized by kingdom



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.

Simões, Shimpale, Rattanakrajang *et al.* (2024) Reinstating Palaeotropical genera of Convolvulaceae: *Argyreia*, *Stictocardia*, *Turbina* and *Astripomoea* (tribe Ipomoeae, subtribe Argyreineae). *Rhedeia*.
<https://doi.org/10.22244/rhedeia.2024.34.05.15>

Lee, Kanturski, Kim *et al.* (2025) First record and integrative analysis of the invasive aphid *Cinara pilicornis* in South Korea. *Scientific Reports*.
<https://doi.org/10.1038/s41598-025-12656-6>

정지원, 박태철, 엄새봄 *et al.* (2025) 기후변화에 따른 미국흰불나방의 한국 내 잠재 서식지 예측. 한국응용곤충학회지.
<https://doi.org/10.5656/ksae.2025.03.0.007>

Jung, Youn, Kim. (2025) Prediction of Potential Habitat for Korean Endemic Firefly, *Luciola unmunsana* Doi, 1931 (Coleoptera: Lampyridae), Using Species Distribution Models. *Land*.
<https://doi.org/10.3390/land14071480>

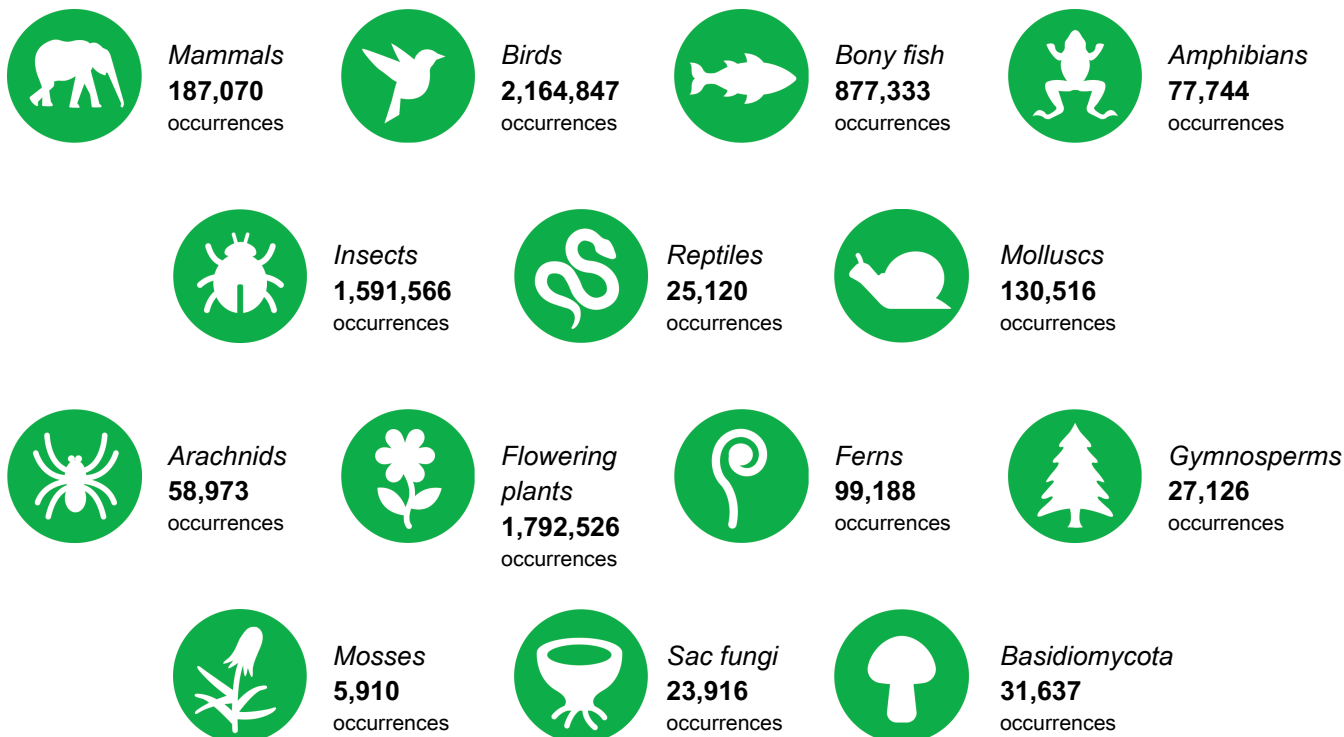
Rahimi, Jung. (2025) Investigating the Spatial Biases and Temporal Trends in Insect Pollinator Occurrence Data on GBIF. *Insects*.
<https://doi.org/10.3390/insects16080769>

See all research from this country or area
gbif.org/country/KR/publications/from



Data availability

Total data available for selected taxonomic groups in Republic of Korea



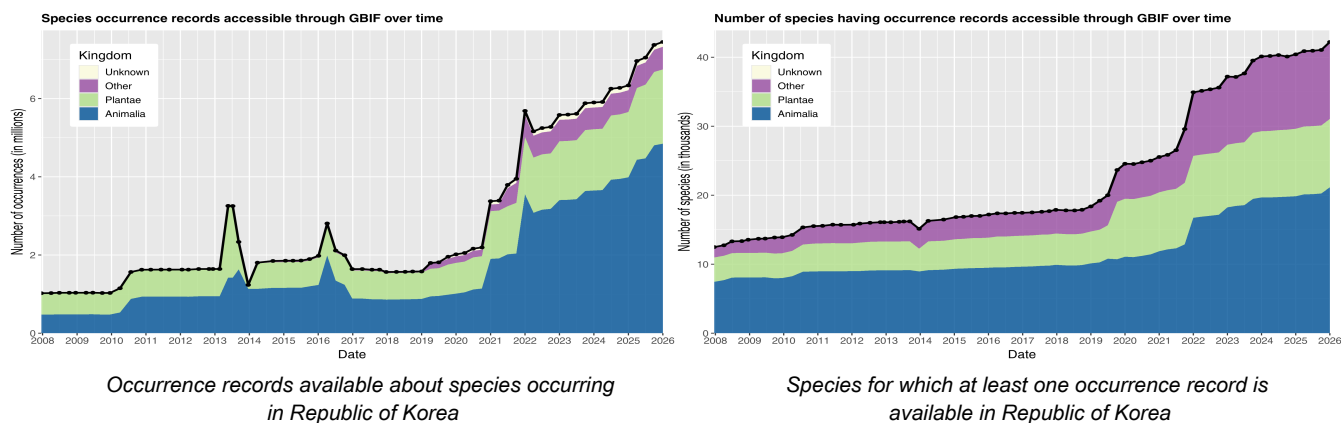
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

mabik_la. *Published by National Marine Biodiversity Institute Of Korea*

<https://doi.org/10.15468/cjfs9t>

2024_kbif_joint_survey_Plant_specimen_information_SMNH_73. *Published by Seodaemun Museum of Natural History*

<https://doi.org/10.15468/9uf8ty>

2024_kbif_joint_survey_Plant_specimen_information_GNWP_48. *Published by National Science Museum of Korea*

<https://doi.org/10.15468/bpnn5h>

2024_kbif_joint_survey_insect_specimen_information_YPIM_181. *Published by National Science Museum of Korea*

<https://doi.org/10.15468/q83urt>

2024_monitoring_of_invasive_Alien_Species_in_the_Korean_PI_18. *Published by National Science Museum of Korea*

<https://doi.org/10.15468/3935xv>

2024_monitoring_of_invasive_Alien_Species_in_the_Korean_AR_7. *Published by National Science Museum of Korea*

<https://doi.org/10.15468/kvguxh>

See all datasets from this country or area: gbif.org/dataset/search?publishing_country=KR

Newest publishers from Republic of Korea

Wildlife Conservation Laboratory, Kyungpook National University

NATURING

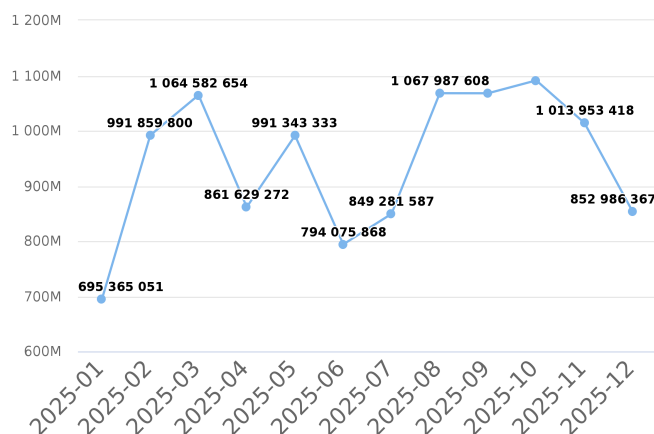
Seongnam City Hall

한국수목원정원관리원 - Korea Arboreta and Gardens Institute

DMZ Botanic Garden

See all publishers from this country or area
gbif.org/publisher/search?country=KR

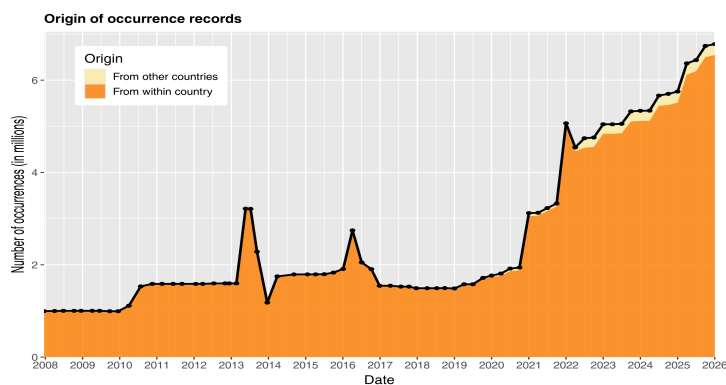
Occurrence records downloaded from GBIF.org, published by institutions in Republic of Korea



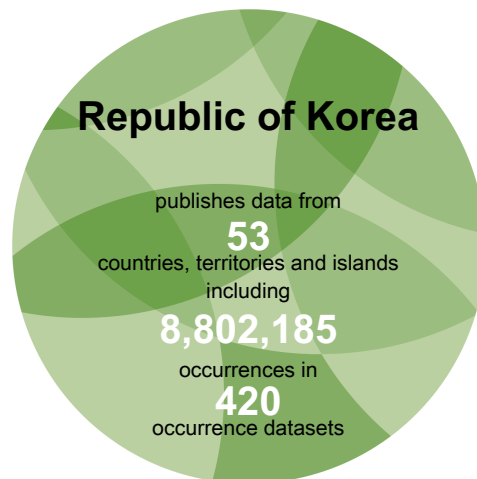
Number of occurrence records downloaded via
GBIF.org published by institutions in Republic of Korea

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	7,505,750
2	United Kingdom	516,645
3	United States of America	284,267
4	Sweden	49,602
5	Japan	24,904
6	International organization or unknown country	20,479
7	Colombia	14,374
8	Estonia	9,029
9	Germany	4,766
10	Netherlands	4,653

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

Top datasets contributing data about Republic of Korea

EOD – eBird Observation Dataset. 1,070,885 occurrences in Republic of Korea. (Last updated 29 Oct 2025)

NIEK_NES. 1,000,134 occurrences in Republic of Korea. (Last updated 7 May 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



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)