Activity report

generated January 2024

Ukraine

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 Ukraine. 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

Researchers from

Ukraine

contributed to

25

peer-reviewed articles citing GBIF use during 2023 and a total of

75

articles since 2008

▸ Data availability in Ukraine

Animalia
1,277,462
occurrences

Plantae
1,134,770
occurrences

Fungi
71,153
occurrences

Unknown
11,530
occurrences

Protozoa
9,013
occurrences

Bacteria
4,645
occurrences

Virus
1,087
occurrences

Chromista
9,195
occurrences

Archaea
152
occurrences

▸ Data mobilization

Institutions from

Ukraine

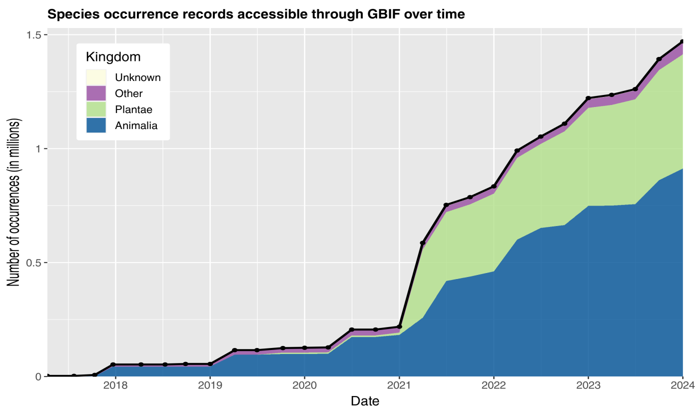
published

248,830

new occurrence records during 2023 out of a total of

355,993,458

occurrence records added globally to GBIF.org



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

Access and usage

Data downloads on GBIF.org from users in Ukraine

Users from

Ukraine

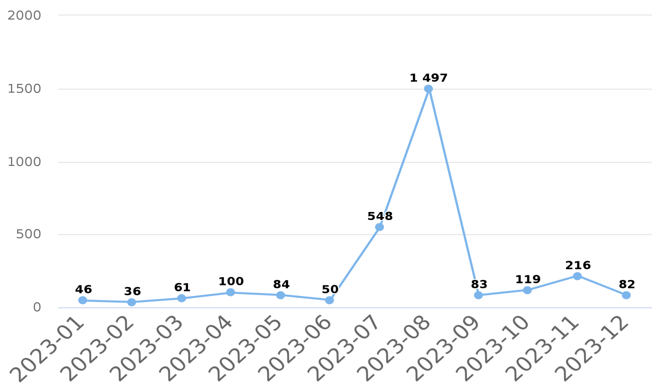
made

2,922

download requests representing

0.5%

of all downloads during 2023



Monthly downloads requested by users in Ukraine

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

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 Ukraine.

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

Lloyd, Leontyev, Moreno *et al.* (2023) Tasmaniomyxa umbilicata , a new genus and new species of myxomycete from Tasmania. *Mycologia.* https://doi.org/10.1080/00275514.2023.2274252

Dorosh, Sakal, Derkulskyi *et al.* (2023) Applying GIS in Strategic Environmental Assessment of Land Management Documentation in Ukraine. *International Conference of Young Professionals "GeoTerrace-2023".*

Orlov, Danylyk, Zhukovskyi *et al.* (2023) Viscum album subsp. austriacum (Santalaceae R. Br.) in Volyn Polissia and Zhytomyr Polissia (Ukraine): current distribution, ecology and prediction of future spread. *Studia Biologica.* https://doi.org/10.30970/sbi.1703.722

Onysko, Loboda, Ostras *et al.* (2023) ASSESSMENT PROBLEMS CAUSED TO FISH FAUNA AND AQUATIC HABITATS WITHIN THE SIVERSKY DONETS RIVER BASIN IN UKRAINE DURING THE RUSSIAN INVASION. *ВІДНОВЛЕННЯ ДОВКІЛЛЯ УКРАЇНИ ВНАСЛІДОК ЗБРОЙНОЇ АГРЕСІЇ РОСІЇ.*

Puchałka, Paź-Dyderska, Dylewski *et al.* (2023) Forest herb species with similar European geographic ranges may respond differently to climate change. *Science of The Total Environment.* https://doi.org/10.1016/j.scitotenv.2023.167303

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

Data availability

Total data available for selected taxonomic groups in Ukraine

Mammals
88,607
occurrences

Birds
829,369
occurrences

Bony fish
45,067
occurrences

Amphibians
22,376
occurrences

Insects
208,824
occurrences

Reptiles
14,781
occurrences

Molluscs
24,193
occurrences

Arachnids
17,133
occurrences

Flowering plants
1,088,936
occurrences

Ferns
16,205
occurrences

Gymnosperms
10,282
occurrences

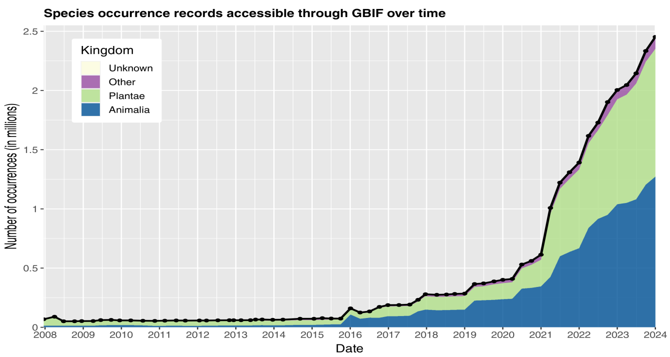
Mosses
12,719
occurrences

Sac fungi
40,227
occurrences

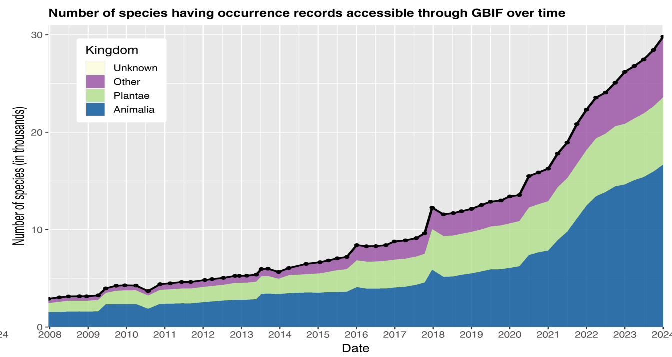
Basidiomycota
30,463
occurrences

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 Ukraine



Occurrence records available about species occurring in Ukraine



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

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 Ukraine

Some findings of common, protected, and invasive species in Ukraine recorded in 2016-2023. *Published by Ukrainian Nature Conservation Group (NGO)*
https://doi.org/10.15468/faxymw

An annotated list of rare flora of the Lower Dnipro sands (Kherson and Mykolaiv regions, Ukraine). *Published by Ukrainian Nature Conservation Group (NGO)*
https://doi.org/10.15468/p3w9r8

Results of bird surveys in the North-Western Azov region in 1988-2000. *Published by Azov-Black Sea Ornithological Station*
https://doi.org/10.15468/trtj25

Records of some plant species in the «Kreydiani vidslonennya» Local Reserve, Ukraine. *Published by Luhansk Nature Reserve NAS of Ukraine*
https://doi.org/10.15468/eme67x

An annotated list of the flora in the Plavni tract (Tiligulskyi Regional Landscape Park, vicinity of Kobleve village, Mykolaiv region, Ukraine). *Published by Kherson State University*
https://doi.org/10.15468/6ec3rr

Observation of spiders according to literary sources of Kharkov Entomological Society gazette. *Published by Ukrainian Nature Conservation Group (NGO)*
https://doi.org/10.15468/8c32t3

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

Newest publishers from Ukraine

Azov-Black Sea Ornithological Station

West-Ukrainian Ornithological Society

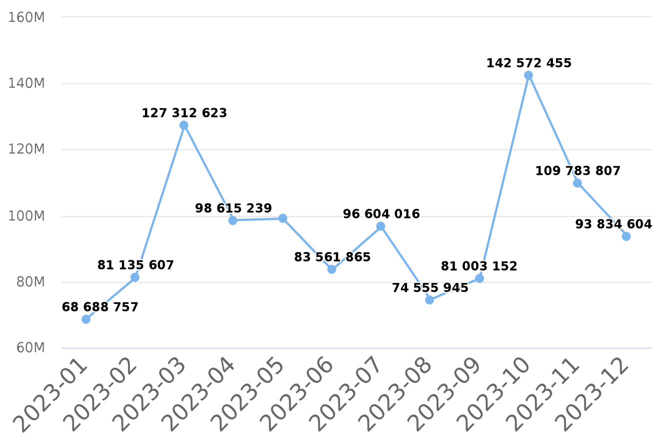
State Museum of Natural History of the National Academy of Sciences of Ukraine

National Antarctic Scientific Center of Ukraine

Zhytomyr Ivan Franko State University

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

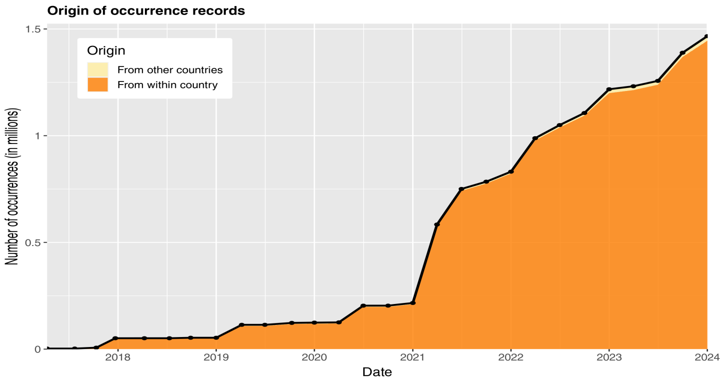
Occurrence records downloaded from GBIF.org, published by institutions in Ukraine



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

Data mobilization

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



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Ukraine

Rank	Country or area	No. of occurrences
1	Ukraine	1,449,811
2	United States of America	575,989
3	Russian Federation	115,345
4	Netherlands	73,235
5	Estonia	60,631
6	Colombia	43,689
7	International organization or unknown country	36,901
8	France	33,780
9	Israel	28,803
10	Poland	27,118

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

Top datasets contributing data about Ukraine

iNaturalist Research-grade Observations. *597,527 occurrences in Ukraine.* (Last updated 2 Jan 2024)

EOD – eBird Observation Dataset. *493,617 occurrences in Ukraine.* (Last updated 20 Aug 2023)

Records of vascular plants, bryophytes and lichens from Ukrainian Grassland Database. *247,027 occurrences in Ukraine.* (Last updated 29 Aug 2022)

Moscow University Herbarium (MW). *65,883 occurrences in Ukraine.* (Last updated 27 Dec 2023)

EBCC Atlas of European Breeding Birds. *61,633 occurrences in Ukraine.* (Last updated 8 Sep 2017)

See all contributing countries and areas or datasets: gbif.org/country/UA/about