

ДЕПОЗИТАРИЙ
ЖИВЫХ СИСТЕМ
«НОЕВ КОВЧЕГ»



Digitization of biodiversity in Russia

for conservation purposes

Dr. Alexey P. Seregin,
Herbarium Curator, Moscow State University



Select a collection...

MAST Observations by Object Name or RA/Dec

MAST Observations by Object Name or RA/Dec

MAST Observations by Observation ID

MAST Observations by Proposal ID

All Virtual Observatory Collections

Hubble Source Catalog (HSCv3)

Hubble Source Catalog (HSCv2)

Hubble Source Catalog Spectra

Hubble Spectroscopic Legacy Archive

MAST Catalogs

WFC3 PSF

WFPC2 PSF

Observations in a DOI

JWST Instrument Keywords

JWST WSS

and enter target:

Enter object name or RA and Dec to cone search

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MAST Mikulski Archive for Space Telescopes

The MAST Portal is a central place for all astronomical datasets all in one place. Use the search tools, and images.

Note: This site uses cookies in order to monitor feature usage, track user preferences, and provide authentication for some services. By using this site you consent to the use of cookies for such purposes.

What's New

JWST data became public starting July 13th with the release of "Webb First Images" (ERO) products, followed by Cycle 1 and Commissioning data July 14th.

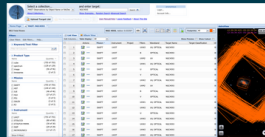
- Users are strongly encouraged to make use of bulk download scripts to retrieve [ERO/Commissioning data](#) and [Commissioning Data Highlights](#) through the cloud. These are free to use and do not require any accounts to use.
- At this early stage of the mission, with the current operational pipeline and available reference files, calibration products may show a variety of known issues. Please check the [JWST Calibration Pipeline Caveats](#) page in JDox

Understanding JWST Data
Working with JWST data

File Conventions and Data Products
JWST data files and data products

Pipeline Documentation
JWST's data reduction pipeline

Search Tools



MAST Portal
Search multiple missions using target names or coordinates.

```
{'service': 'MAST.Caom.Cone',  
'params': {'ra': 254.28746,  
'dec': -4.09933,  
'radius': 0.2},  
'format': 'json',  
'pagesize': 2000,  
'removeNullcolumns': True,  
'timeout': 30,  
'sort': 'ra',  
'sort_order': 'asc'}
```

MAST API
Tools for programmatically querying the MAST Portal



exo.MAST
Find MAST data for known planets, objects of interest, or TESS TCE's.

Documentation

[JWST User Documentation \(JDox\)](#)

[JWST Pipeline Documentation](#)

[JWST Archive Manual](#)

Supplemental Links

[JWST @ NASA](#)

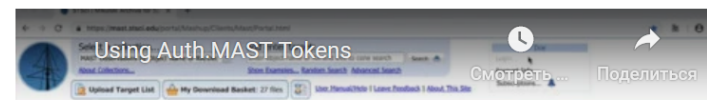
[JWST @ ESA](#)

[JWST @ CSA](#)

Currently available data collections:

- MAST Observations: Millions of observations from JWST, Hubble, Kepler, GALEX, IUE, FUSE, and more.
- Virtual Observatory: Search thousands of astronomical data archives from around the world for images, spectra, and catalogs.
- Hubble Source Catalog: A master catalog with a hundred million measurements of objects in Hubble images.
- MAST Catalogs: Access to catalog data such as Gaia and TESS Input Catalog, with more coming soon.

Featured tutorial: Using Auth.MAST, MAST's authorization token system.





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NCBI News & Blog

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29 Sep 2022

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NCBI Workshop at the ASM NGS 2022 Meeting

28 Sep 2022

NCBI Microbial Pathogen and SARS-CoV-2 Resources in the Cloud Get

Stephen Sherry, PhD, is the new NCBI Director and NLM Associate Director for Scientific Data Resources

27 Sep 2022

Sequence length

Custom range...

Release date

Custom range...

Revision date

Custom range...

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Items: 1 to 20 of 45

<< First < Prev Page 1 of 3 Next > Last >>

- ☐ [Allium roseum](#) haplotype 1 tRNA-Thr (trnT)_gene, partial sequence; trnT-rps4 intergenic spacer, complete sequence; and ribosomal protein S4 (rps4)_gene, partial cds; chloroplast

455 bp linear DNA

Accession: GU388392.1 GI: 322227678

[Protein](#) [Taxonomy](#)

[GenBank](#) [FASTA](#) [Graphics](#)

- ☐ [Allium roseum](#) haplotype 2 tRNA-Thr (trnT)_gene, partial sequence; trnT-rps4 intergenic spacer, complete sequence; and ribosomal protein S4 (rps4)_gene, partial cds; chloroplast

455 bp linear DNA

Accession: GU388391.1 GI: 322227676

[Protein](#) [Taxonomy](#)

[GenBank](#) [FASTA](#) [Graphics](#)

- ☐ [Allium roseum](#) haplotype 3 tRNA-Thr (trnT)_gene, partial sequence; trnT-rps4 intergenic spacer, complete sequence; and ribosomal protein S4 (rps4)_gene, partial cds; chloroplast

455 bp linear DNA

Accession: GU388390.1 GI: 322227674

[Protein](#) [Taxonomy](#)

[GenBank](#) [FASTA](#) [Graphics](#)

- ☐ [Allium roseum](#) haplotype 1 ribosomal protein L32 (rpl32)_gene, partial cds; and rpl32-trnL intergenic spacer, partial sequence; chloroplast

829 bp linear DNA

Accession: GU388389.1 GI: 322227672

[Protein](#) [Taxonomy](#)

[GenBank](#) [FASTA](#) [Graphics](#)

- ☐ [Allium roseum](#) haplotype 2 ribosomal protein L32 (rpl32)_gene, partial cds; and rpl32-trnL intergenic spacer, partial sequence; chloroplast

829 bp linear DNA

Accession: GU388388.1 GI: 322227670

[Protein](#) [Taxonomy](#)

[GenBank](#) [FASTA](#) [Graphics](#)

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 [Allium roseum \(45\)](#)

Nucleotide

 [Allium rotundum \(7\)](#)

Nucleotide

[See more...](#)

Национальный корпус русского языка

ИРЯ

Яндекс

Поиск

Меню

ENG

Войти

Национальный корпус русского языка — представительная коллекция текстов *на русском языке* общим объемом *более 2 млрд слов*, оснащенная лингвистической разметкой и инструментами поиска

Введите слово или фразу

Искать

Например, *мороженое* или *представь себе*

Портрет слова

Обзор возможностей

НКРЯ в школе

Руководство пользователя

Поиск по корпусам

Основной (389 млн)

Газетные 2 (884 млн)

Синтаксический (1,6 млн)

Социальные сети (161 млн)

Устный (14 млн)

Акцентологический (135 млн)

Мультимедийный (5,8 млн)

Мультимедийный 2 (528 тыс)

Параллельные 32 (214 млн)

Диалектный (665 тыс)

Обучающий (14 млн)

От 2 до 15 (4,4 млн)

Поэтический (14 млн)

Русская классика β (26 млн)

Исторические 5 (15 млн)

Панхронический (384 млн)

все корпуса 53

Распределение результатов поиска по датам (частота на миллион словоформ) с 1682 по 2022

Статистика рассчитана с учетом совпадающих слов

Детализация

по годам

Период с:

1858

по:

2022

со сглаживанием

10

Построить

Тексты представлены неравномерно, и сглаживание может исказить результаты

427

400

300

200

100

0

1858

1885

1912

1939

1966

1993

2022

Количество текстов

"НКРЯ"

Поиск

Результатов: примерно 12 700 (0,09 сек.)

rf] Согласование сказуемого с подлежащим, выраженным именной группой с количественным значением (по данным НКРЯ за 2000-2010 гг.)

ЮМ Кувшинская - Русский язык в научном освещении, 2013 - rjano.ruslang.ru

В предложениях с подлежащим, выраженным именной группой с количественным значением, наблюдаются варианты формы сказуемого: ед. ч. ср. р. или мн. ч.(На лекцию ...

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Похожие статьи

Все версии статьи (2)

Деривационная специфика наименований лица в славянских языках (на материале параллельного подкорпуса НКРЯ)

ОВ Негель - Русин, 2015 - cyberleninka.ru

В статье представлены результаты анализа формальной репрезентации наименований лица в славянских (русском, польском, украинском, белорусском, болгарском) и ...

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Похожие статьи

Все версии статьи (11)

rf] РЕТИВЫЙ, РЕТИВО: специфика семантики и функционирования в современных СМИ (по данным НКРЯ)

АА Федосеев, ИЮ Лидина - Russian Linguistic Bulletin, 2023 - cyberleninka.ru

Статья посвящена исследованию значения лексем «ретивый», «ретиво», формируемом в узусе, в массовом и регулярном их воспроизведении в современной речи. Как ...

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Цитируется: 4

Похожие статьи

rf] Сопоставление результатов лингвостатистического анализа перцептивных типов русского и английского слова (на материале НКРЯ, БНК, АНК)

ТН Чураева, ОВ Байбурова... - Теоретическая и ..., 2019 - scholar.archive.org

Корпусные исследования имеют неоспоримые преимущества, однако в соответствии со своими лингвистическими задачами лингвисты применяют различные подходы к ...

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Цитируется: 5

Похожие статьи

Все версии статьи (2)

National Corpus of the Russian Language

17.07.2025

Science special issue (2000)

BIOINFORMATICS FOR BIODIVERSITY

VIEWPOINT

The Quiet Revolution: Biodiversity Informatics and the Internet

Frank A. Bisby

The massive development of biodiversity-related information systems on the Internet has created much that appears exciting but chaotic, a diversity to match biodiversity itself. This richness and the arrays of new sources are counterbalanced by the maddening difficulty in knowing what is where, or of comparing like with like. But quietly, behind the first waves of exuberance, biologists and computer scientists have started to pull together in a rising tide of coherence and organization. The fledgling field of biodiversity informatics looks set to deliver major advances that could turn the Internet into a giant global biodiversity information system.

There is a resonance between the needs of biodiversity science and the opportunities for globalization and interoperability provided by the Internet. One is that biodiversity workers are distributed all over the globe, literally dotted about in every country and on every island. A second arises from our interdependence. Global events and global syntheses in

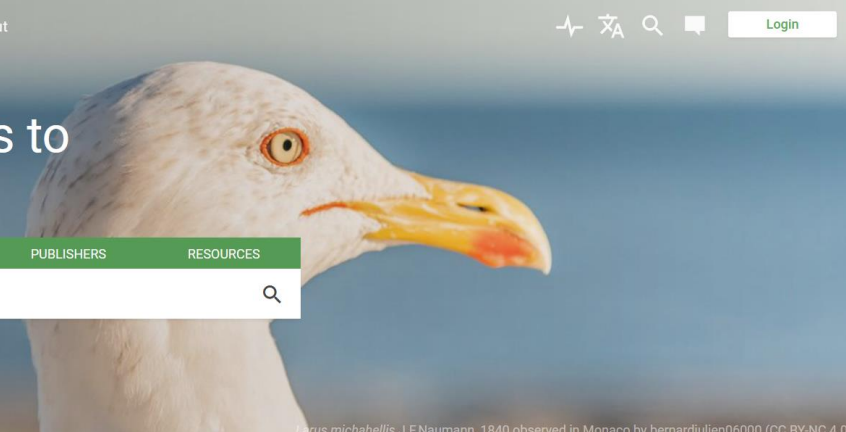
records. ERIN led the way by making the combined data available for Australia-wide Geographic Information System (GIS) analysis and modeling.

A number of interoperative systems are approaching the tasks originally offered by ERIN for its centralized data, but with the powerful possibility of extending to data

Australia (7) and by the European Natural History Specimen Information Network (ENHSIN) team in Europe (8).

A second area for networking and interoperability is the taxonomic framework itself. Again, there are centralized models from the 1990s where organizations bring together taxonomic treatments from authors and institutions to provide a centrally collated system. It now seems agreed that these taxonomic frameworks should be constructed “taxon-by-taxon” as in Species 2000 (1), the Integrated Taxonomic Information System (ITIS) (9), and the UNESCO-IOC Register of Marine Organisms (URMO) (10), thus avoiding the “flora-by-flora” work of integrating systems in which the taxonomies overlap, a contrast illustrated in Fig. 1. Only the International

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Datasets
65 324

Publishing institutions
1 791

Peer-reviewed papers using data
6 763

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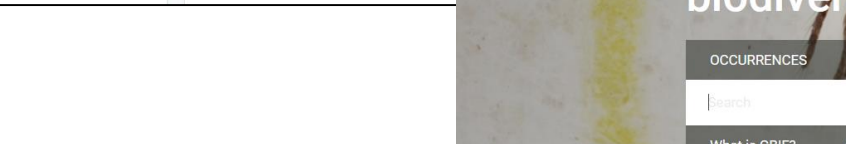
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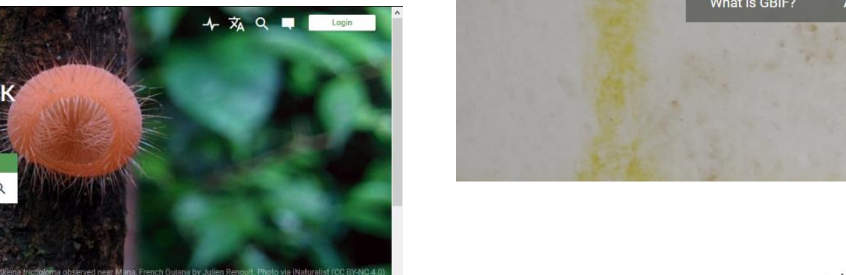
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Datasets
45 855

Publishing institutions
1 444

Peer-reviewed papers using data
3 859

News

Data use

News

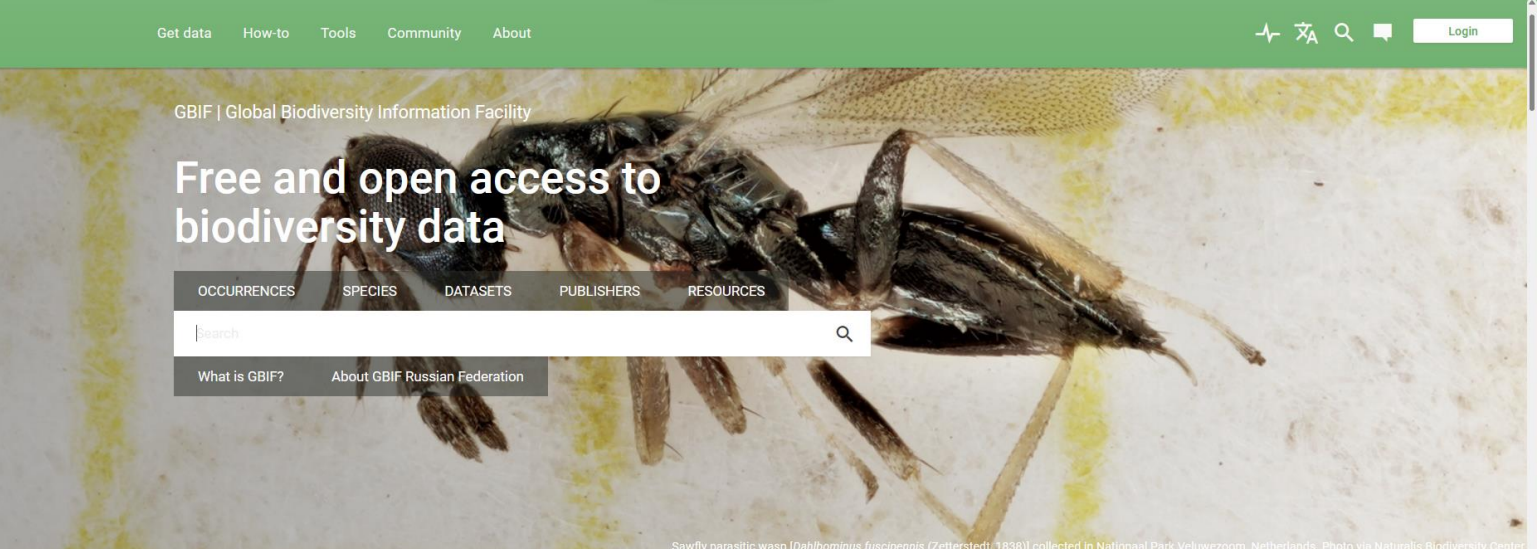
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GBIF-mediated occurrences of flying foxes predict Nipah virus transmission risk
22 August 2019

Belarus extends GBIF's European membership map eastward
16 July 2019

Programme seeks Biodiversity Open Data Ambassadors to expand best practices
10 July 2019

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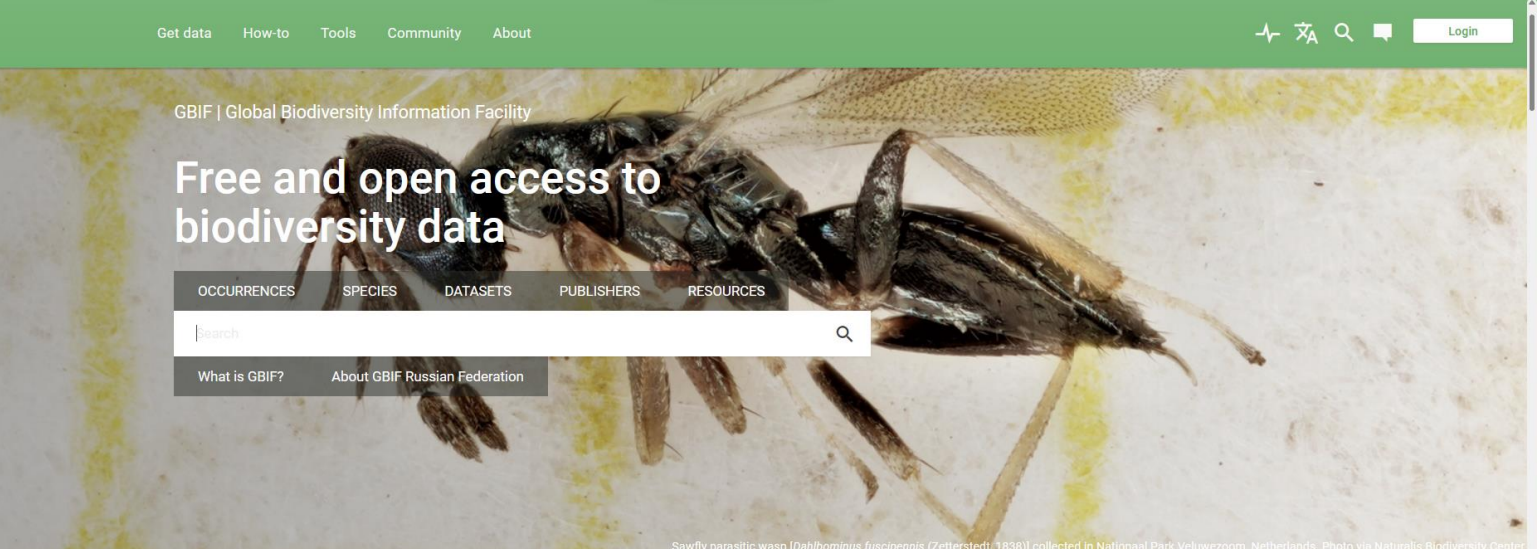
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Occurrence records
2 579 902 560

Datasets
90 048

Publishing institutions
2 127

Peer-reviewed papers using data
9 322



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1 351 874 752

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45 855

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Data use

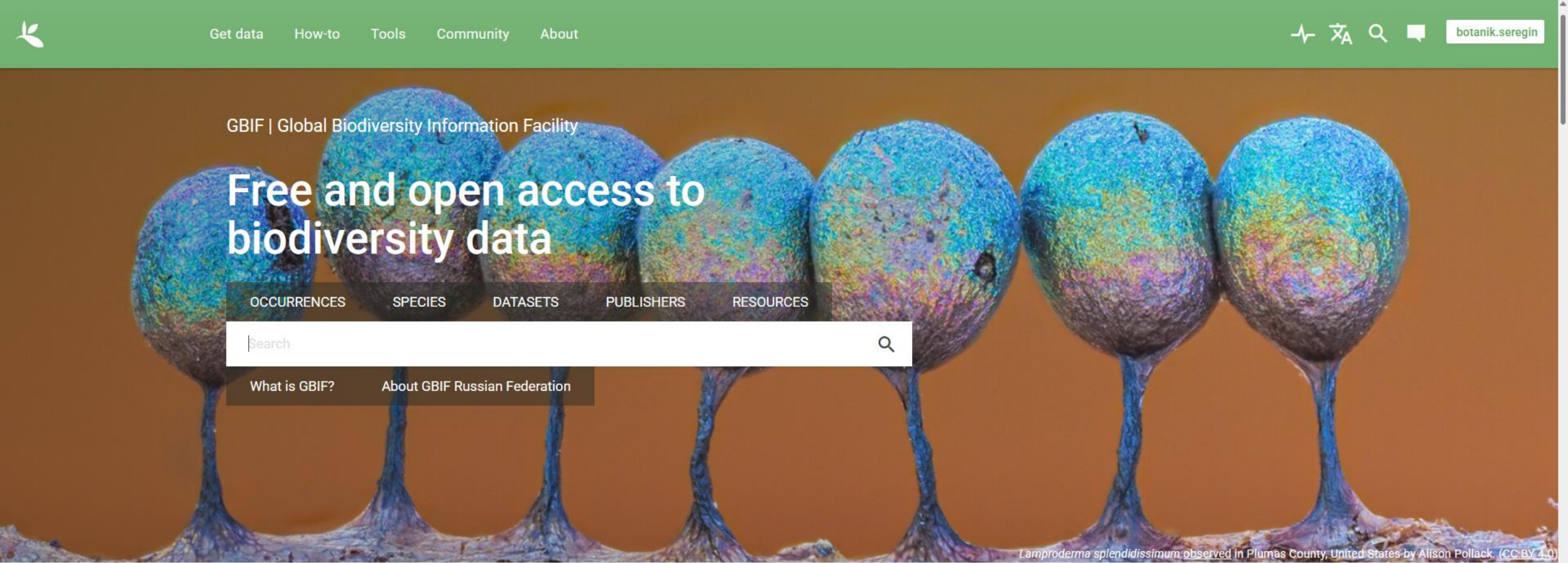
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News

GBIF-mediated occurrences of flying foxes predict Nipah virus transmission risk
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Belarus extends GBIF's European membership map eastward
16 July 2019

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10 July 2019



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Lamproderma splendidissimum observed in Plumas County, United States by Alison Pollack. (CC BY 4.0)



3 134 563 375
Occurrence records



115 357
Datasets



2 530
Publishing institutions



13 151
Peer-reviewed papers
using data



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Green elfcup (*Chlorociboria aeruginascens*) observed in New Mexico, USA by Christian Schwarz (CC BY-NC 4.0)



3 562 768 589

Occurrence records



118 822

Datasets



2 589

Publishing institutions

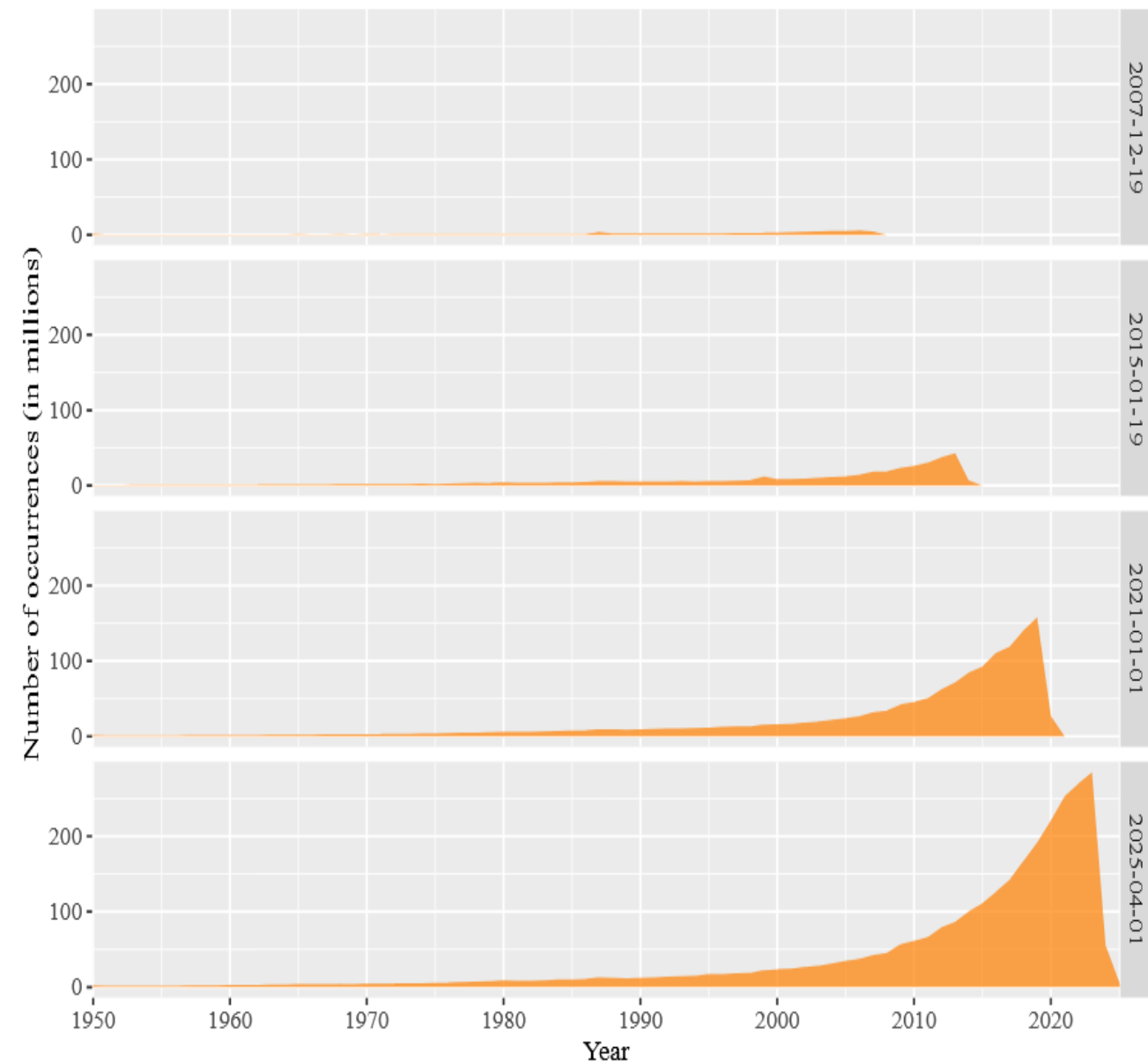


13 793

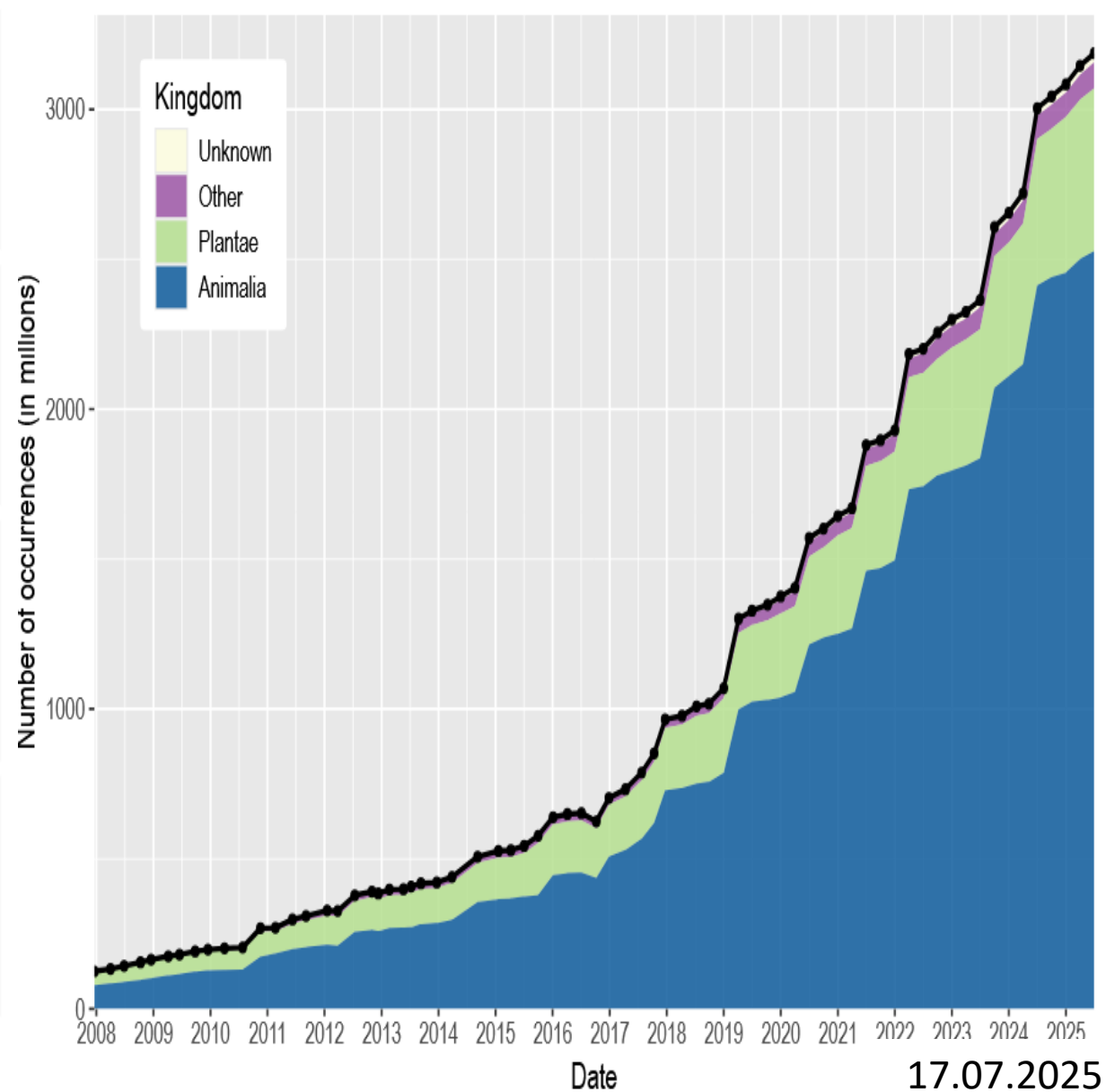
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using data

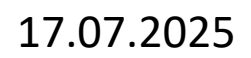
World GBIF stats

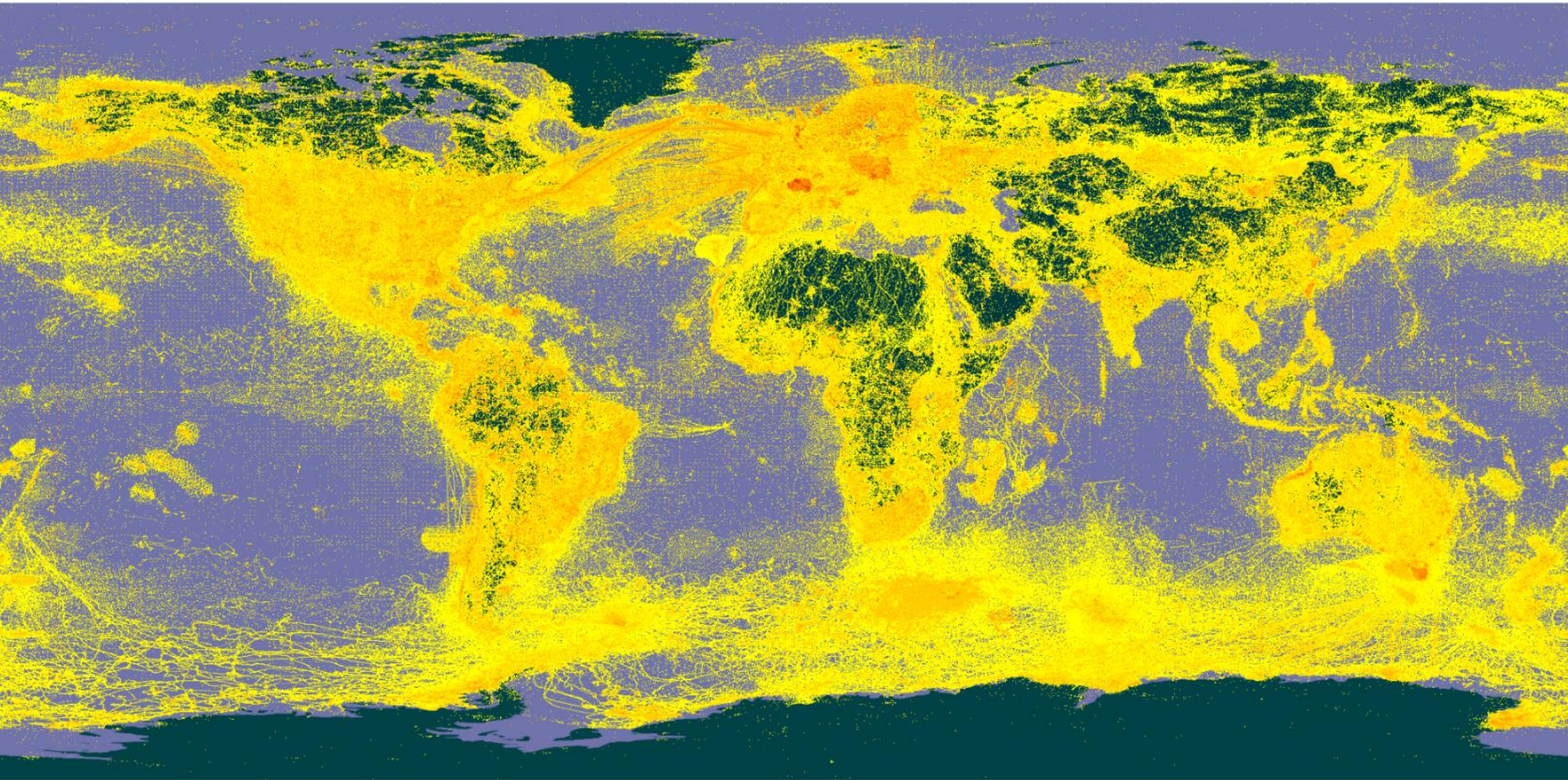
Number of occurrences per year



Species occurrence records accessible through GBIF over time

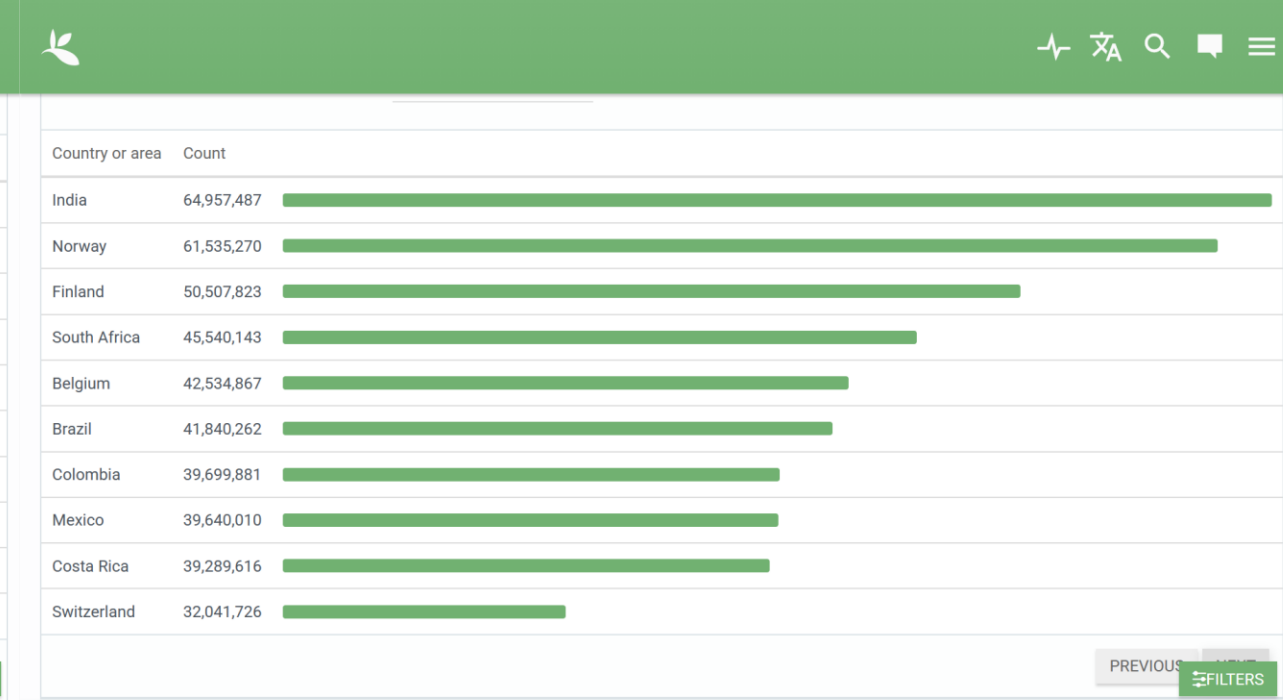
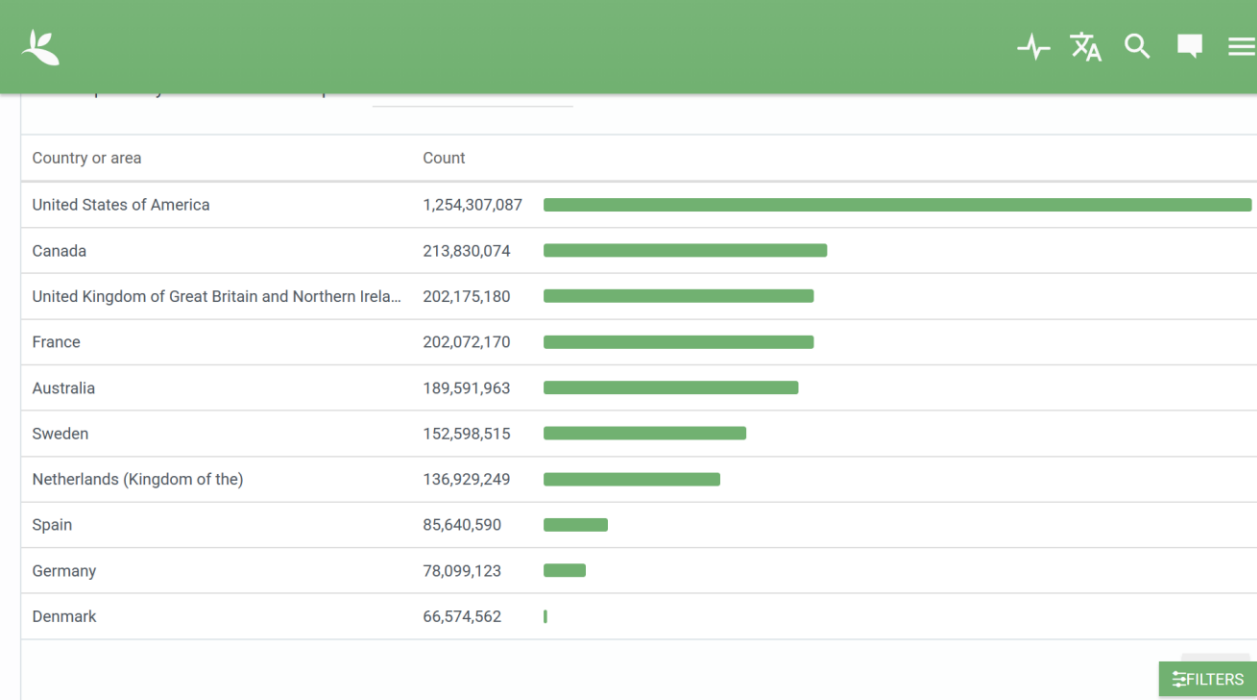






2,976,057,806 plotted points

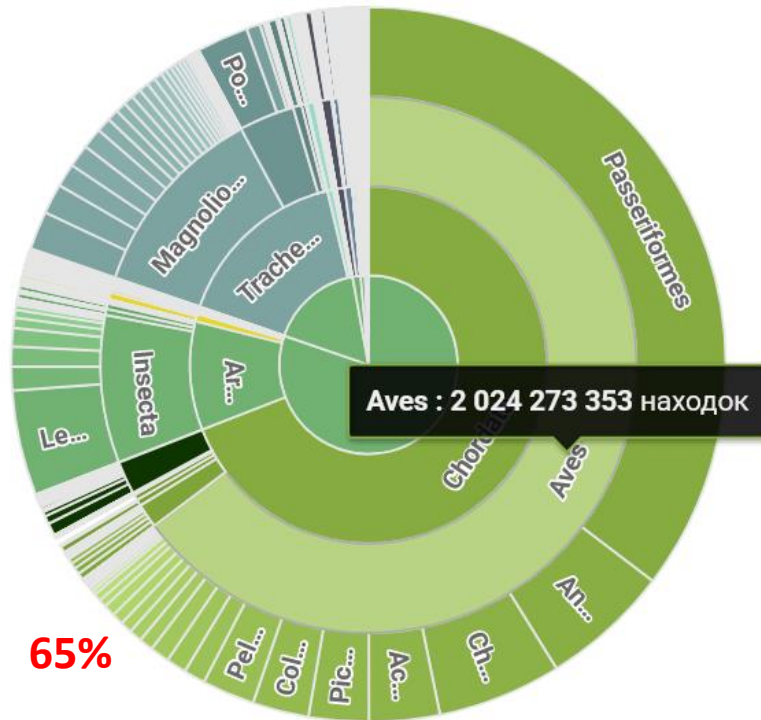
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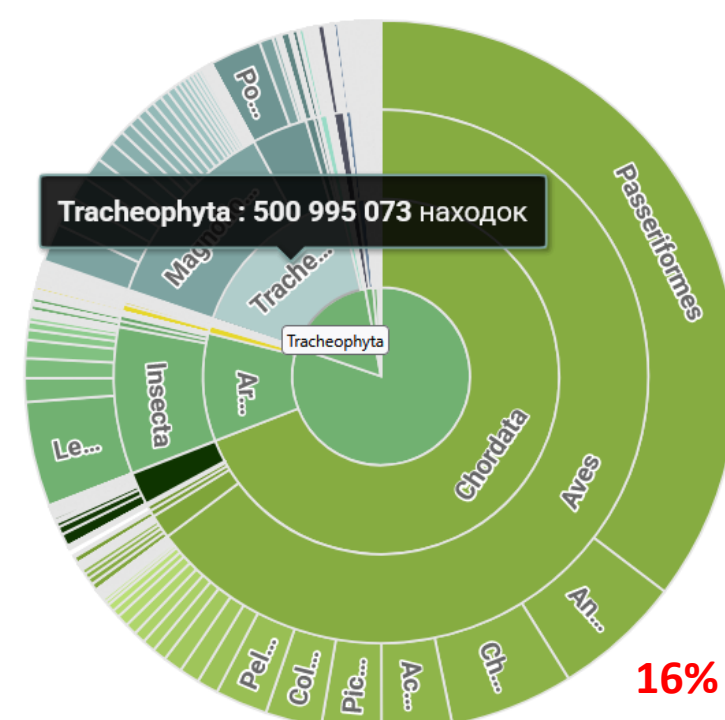
GBIF leading countries
by the number of occurrences

17.11.2025

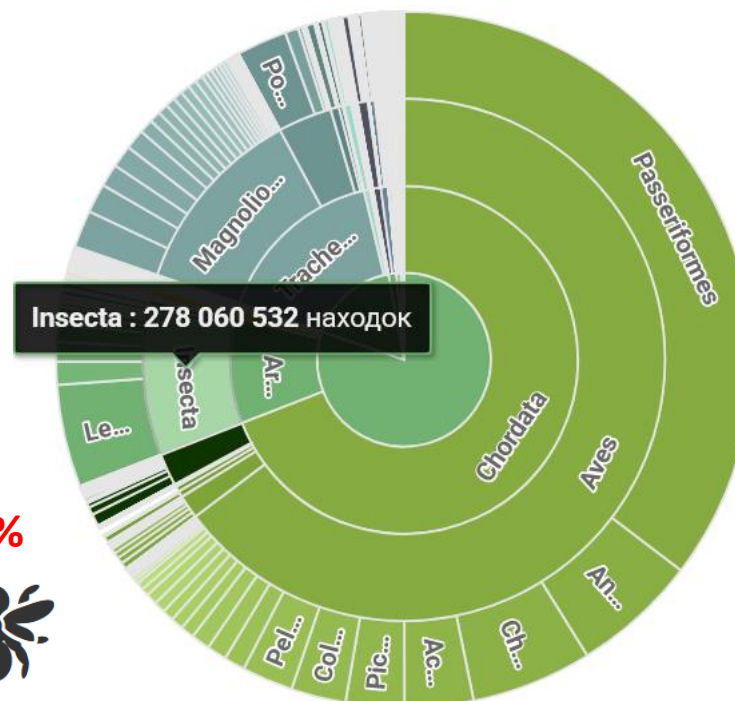
Animalia	2 508 278 562
Plantae	527 620 508
Fungi	45 322 763
Bacteria	25 093 378
Chromista	15 391 298
Protozoa	1 673 480
Viruses	862 699
Archaea	426 440



65%



16%



8%

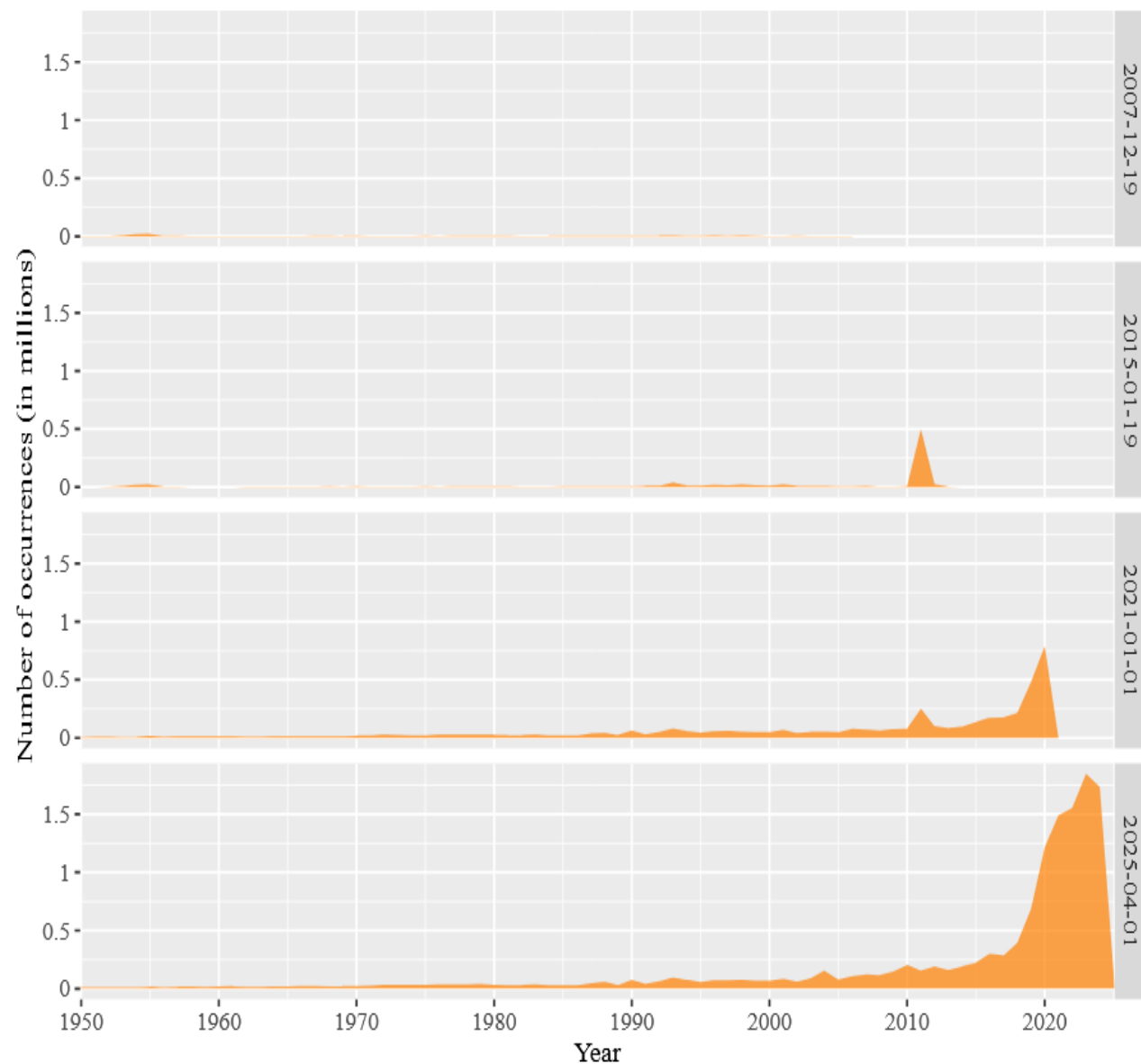


GBIF larger taxonomic groups
by the number of occurrences

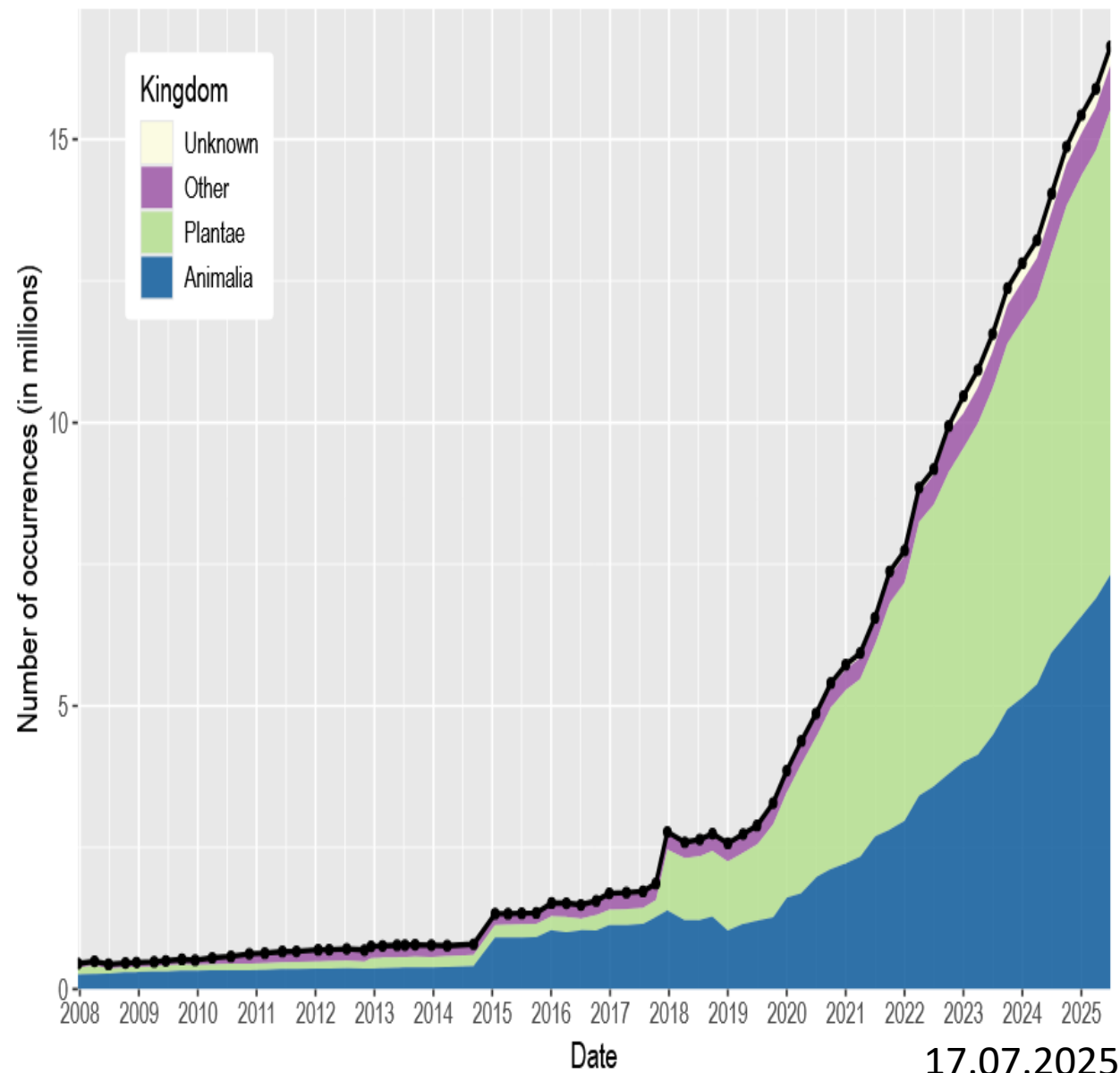
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GBIF stats for Russia

Number of occurrences per year



Species occurrence records accessible through GBIF over time

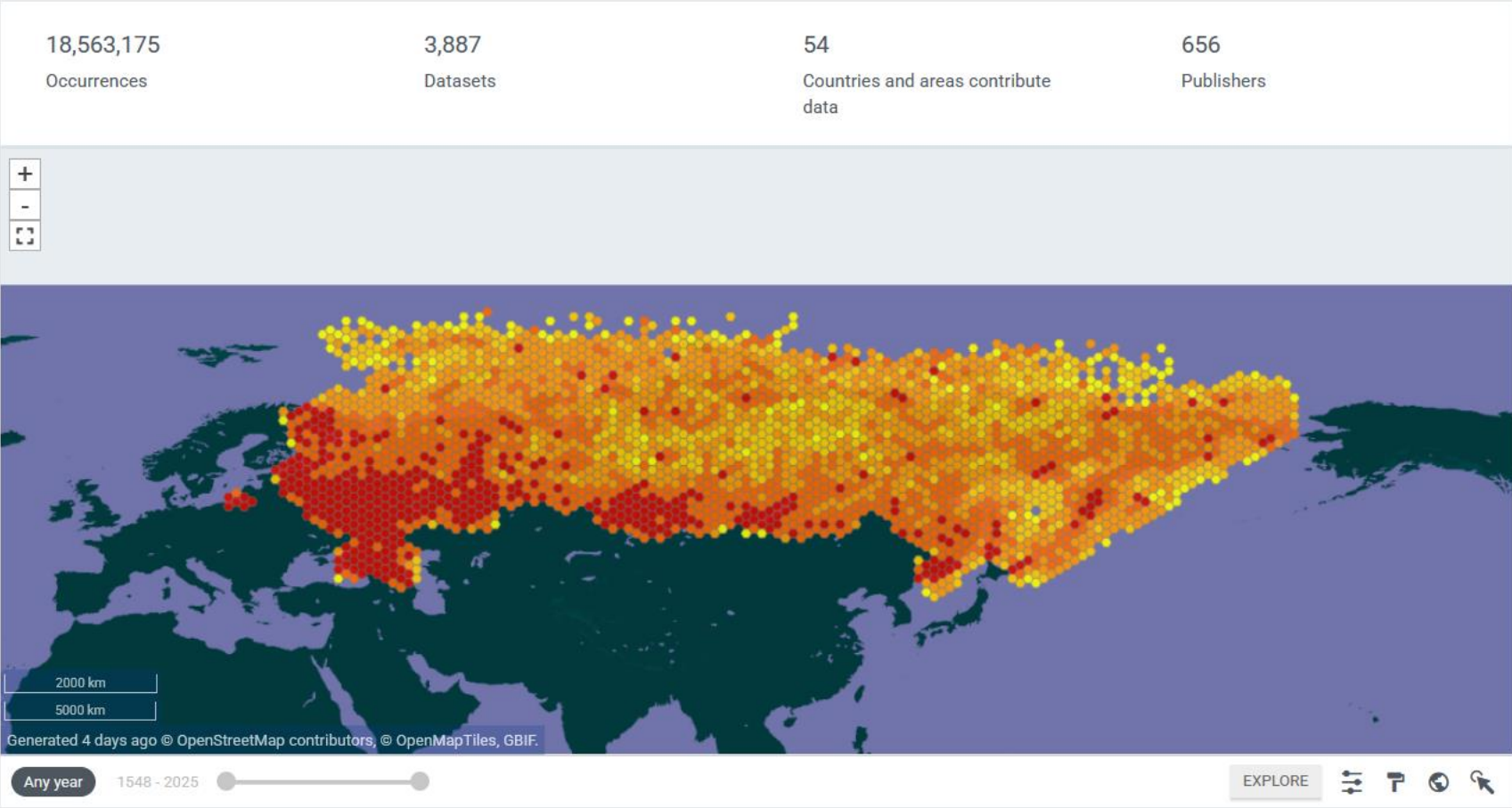


Russian Federation

Names of countries and areas are based on the [ISO 3166-1 standard](#)

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- ACTIVITY REPORT

DATA ABOUT RUSSIAN FEDERATION



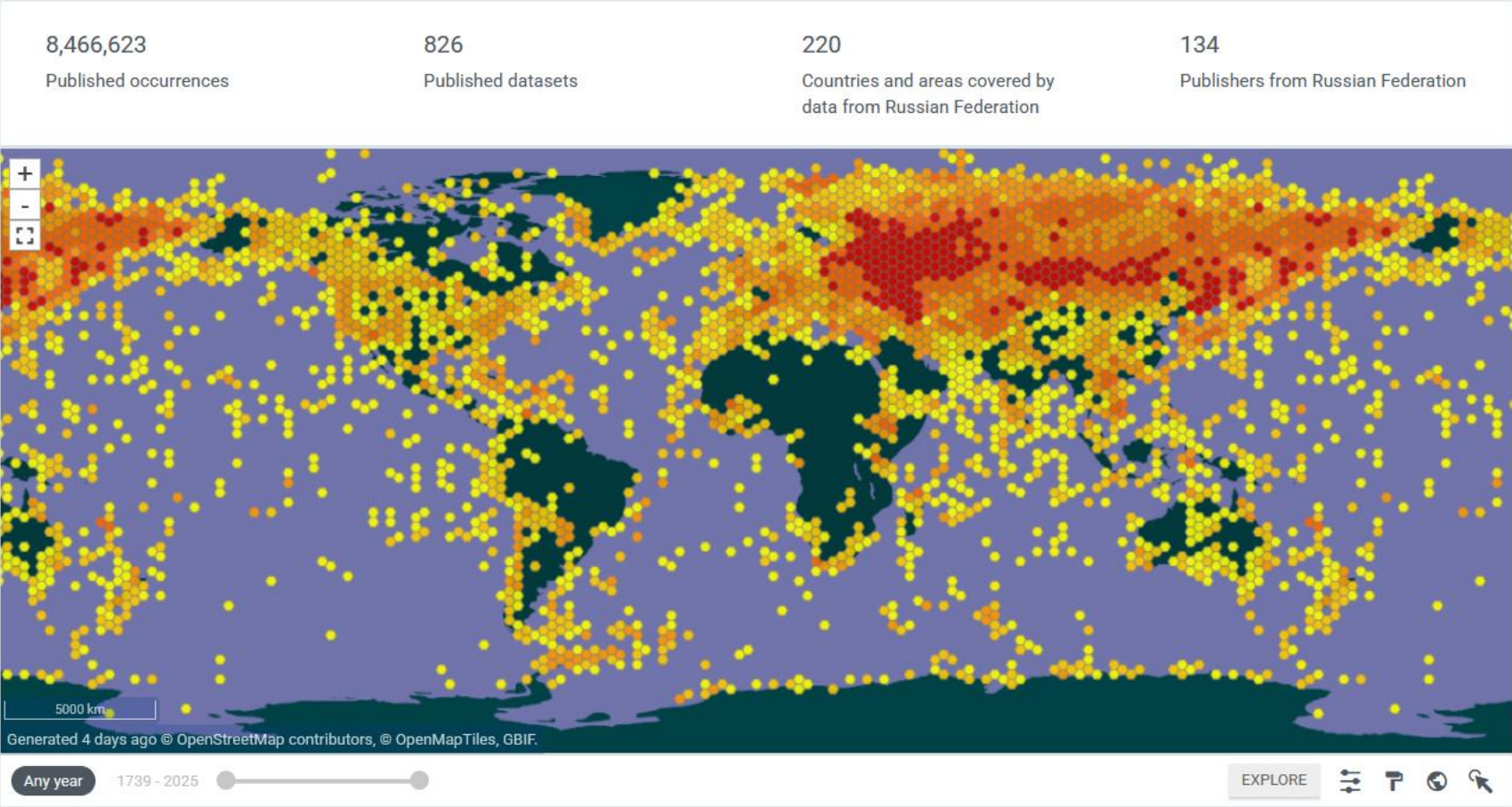
DATA FROM RUSSIAN FEDERATION

Russian Federation

Names of countries and areas are based on the [ISO 3166-1 standard](#)

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- ACTIVITY REPORT

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OCCURRENCES PER KINGDOM



OCCURRENCES PER KINGDOM



Animalia
8,547,206
occurrences



Plantae
8,737,269
occurrences



Fungi
777,805
occurrences



Archaea
1,905
occurrences



Bacteria
165,810
occurrences



Chromista
211,903
occurrences



Protozoa
55,516
occurrences



Viruses
9,504
occurrences

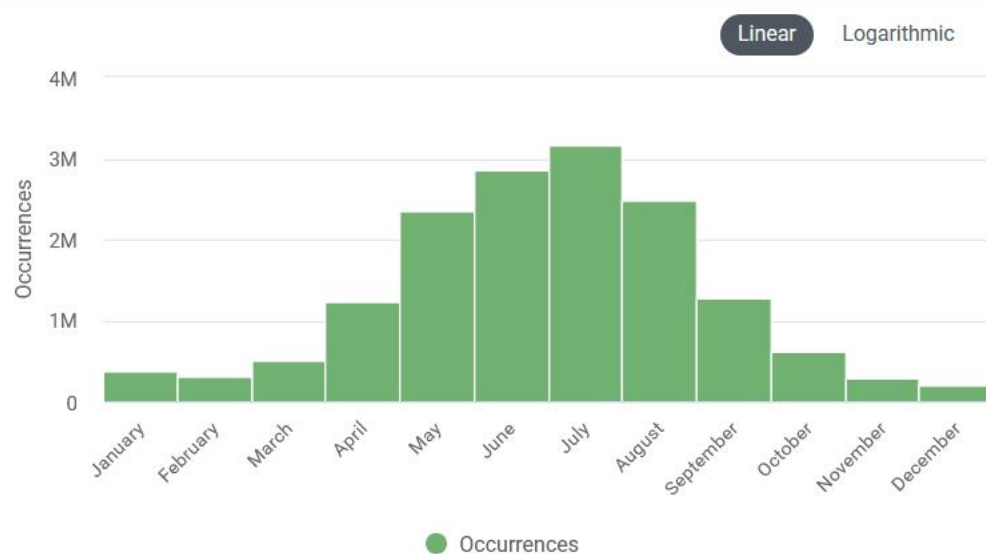


Incertae sedis
1,051
occurrences

OCCURRENCES PER MONTH



OCCURRENCES PER YEAR



2,888,849 other or unknown

This chart has custom filters

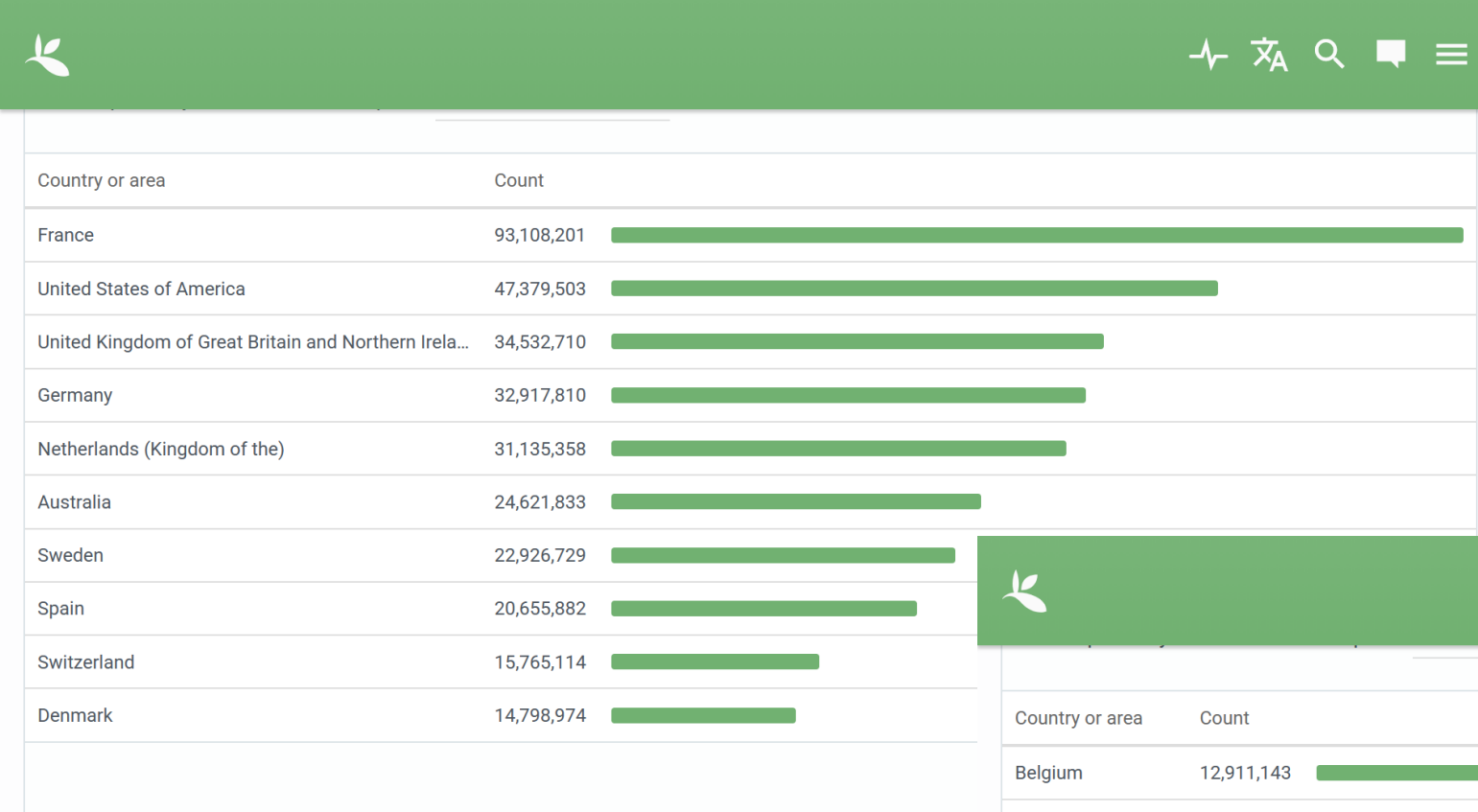


Click and drag in the plot area to zoom in



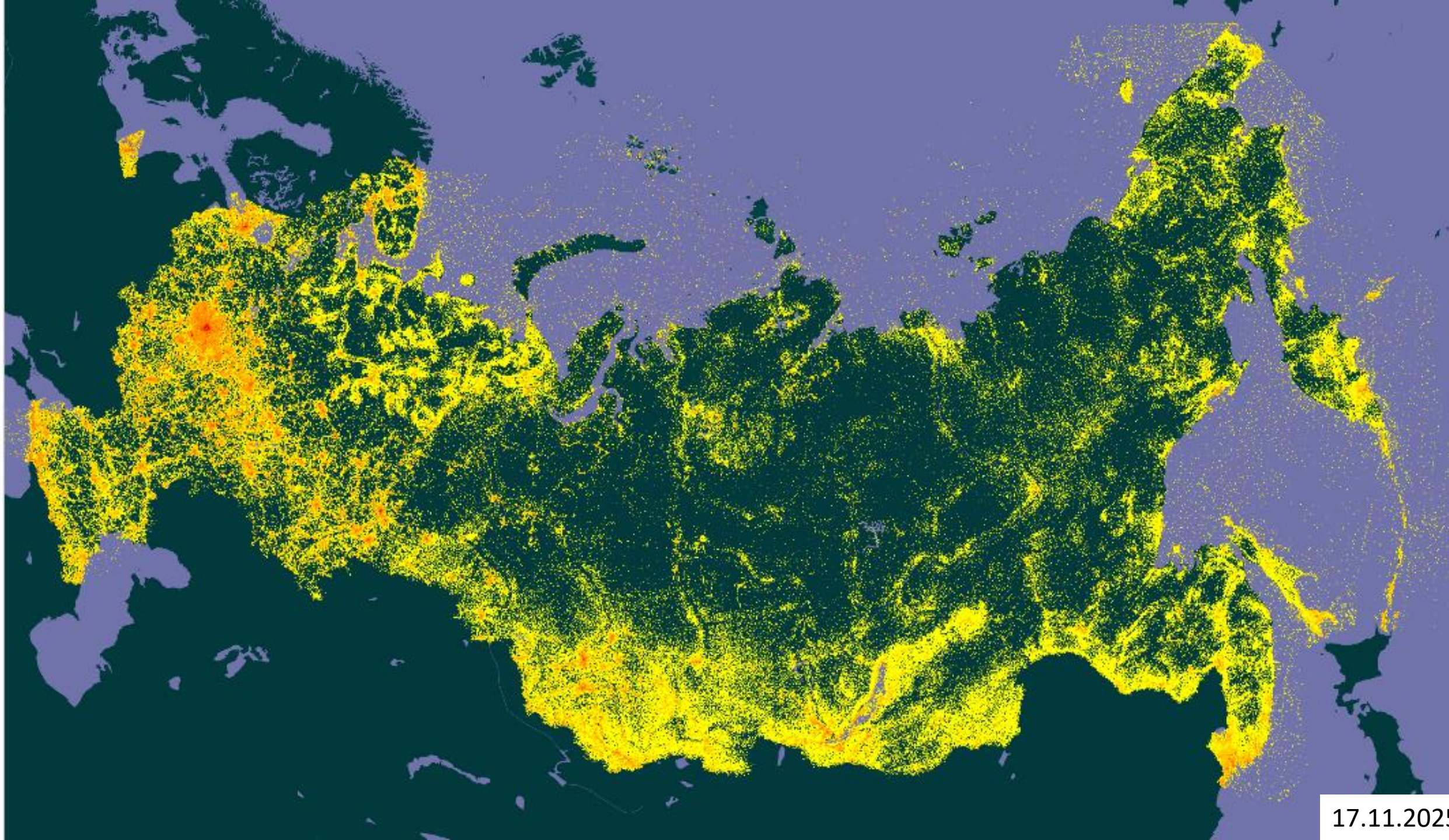
OCCURRENCES PER LICENCE





GBIF leading countries
by the number of occurrences
for vascular plants





17.11.2025



OCCURRENCES PER DATASET



Dataset	Count	
iNaturalist Research-grade Observations	8,023,990	
RU-BIRDS.RU, Birds observations database from Russ...	1,621,976	
EOD – eBird Observation Dataset	1,276,689	
Moscow University Herbarium (MW)	707,977	
Local floras of Russia: records from literature	672,072	
Global soil organisms	228,710	
FLORUS: miscellaneous records	225,225	
MHA Herbarium: collections of vascular plants	171,371	
Locations of plants on dot distribution maps in th...	169,854	
Vascular plants of the Soviet Far East (1985-2006)...	156,755	

GBIF leading datasets
by the number of occurrences for Russia

OCCURRENCE DATASET | REGISTERED FEBRUARY 9, 2012

iNaturalist Research-grade Observations

Published by [iNaturalist.org](#)

iNaturalist contributors • iNaturalist

[DATASET](#)[METRICS](#)[ACTIVITY](#)[DOWNLOAD](#)[HOME PAGE](#)

133,548,488 OCCURRENCES6,897 CITATIONS

Observations from iNaturalist.org, an online social network of people sharing biodiversity information to help each other learn about nature. Observations included in this archive met the following requirements: * Published under one of the following licenses or waivers: 1) <https://creativecommons.org/publicdomain/zero/1.0/>, 2) <https://creativecommons.org/licenses/by/4.0/>, 3) <https://creativecommons.org/licenses/by-nc/4.0/> * Achieved one of following iNaturalist quality grades: Research * C... [More](#)

iNaturalist

Publication date: November 10, 2025

Metadata last modified: November 17, 2025

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How to citeDOI10.15468/ab3s5x

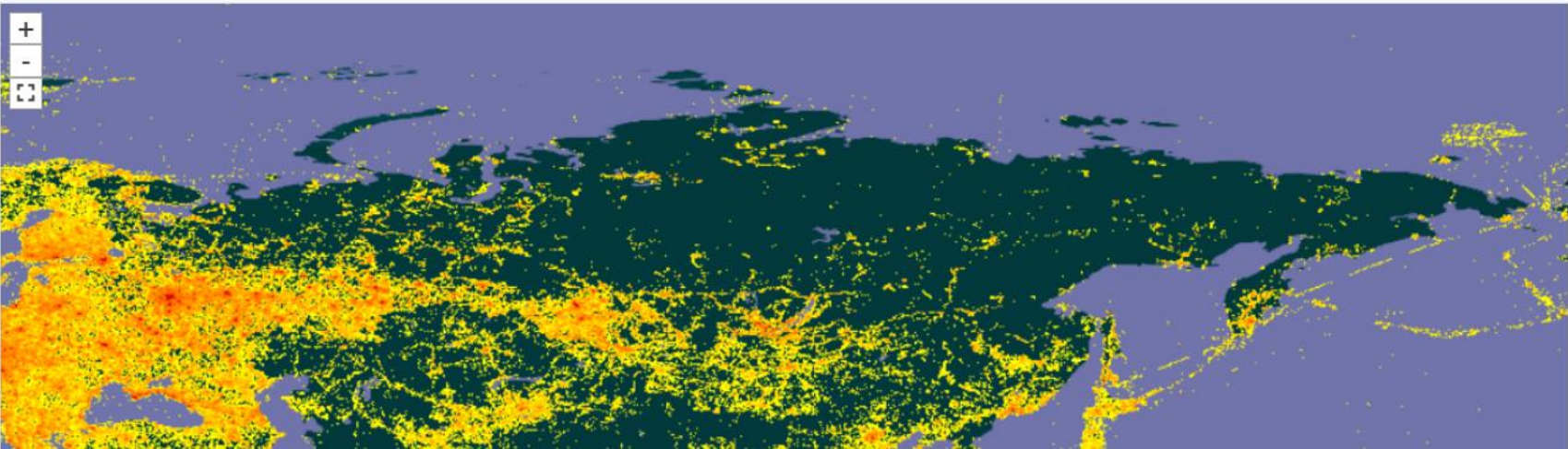
133,548,488
Occurrences

99.9%
With taxon match

99.7%
With coordinates

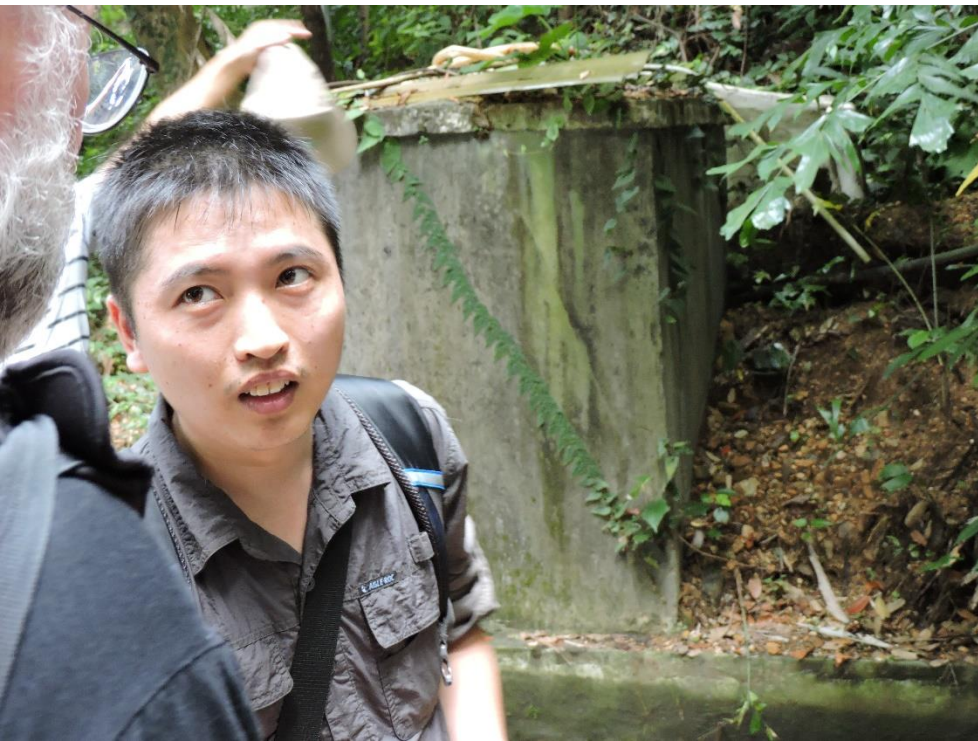
100%
With year

133,208,699 GEOREFERENCED RECORDS



8,047,419
records for
Russia

18.11.2025



Post-Congress field
Excursion, 2017
(IBC, Shenzhen, China)

[« Projects](#)[Terms & Rules](#) | [Join this project](#)

International Botanical Congress Field Trips - China

[Add Observations to This Project](#)

Stats

Totals

577

Observations »

350

Species »

4

People »

Most Observations

aaronliston
322 observationsapseregin
242 observationskuo_wenyu
12 observationsannwillyard
1 observation

Most Species

aaronliston
216 speciesapseregin
157 specieskuo_wenyu
5 speciesannwillyard
1 species

Most Observed Species

Rusty-haired Raspberry
5 observationsCochinchina Blastus
5 observationsBegonia fimbristipula
5 observationsOsteomeles subrotunda
5 observationsSkunk Vine
4 observations

3.08.2017
Photo by Aaron Liston



<https://www.inaturalist.org/observations/7456898>
Myrsine sequinii

Post-Congress field
Excursion, 2017
(IBC, Shenzhen, China)



Флора России и Крыма | Flora of Russia and the C...

Подробнее

Участники 3895

"Флора России" - портал для автоматического анализа данных региональных проектов по сосудистым растениям России.

СТРУКТУРА ПРОЕКТА. Сообщество "Флора

Читать далее >

Журнал проекта

Обзор 4 948 100
НАБЛЮДЕНИЙ

8 654
ВИДА

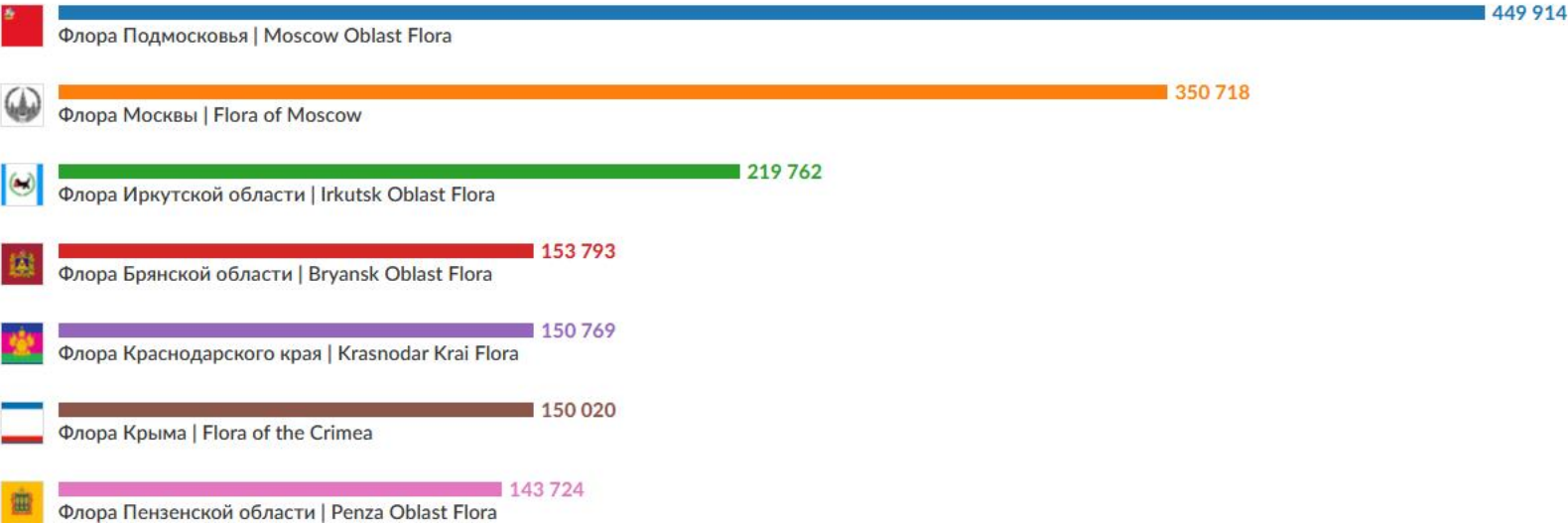
13 251
ЭКСПЕРТ

33 990
НАБЛЮДАТЕЛЕЙ

Статистика

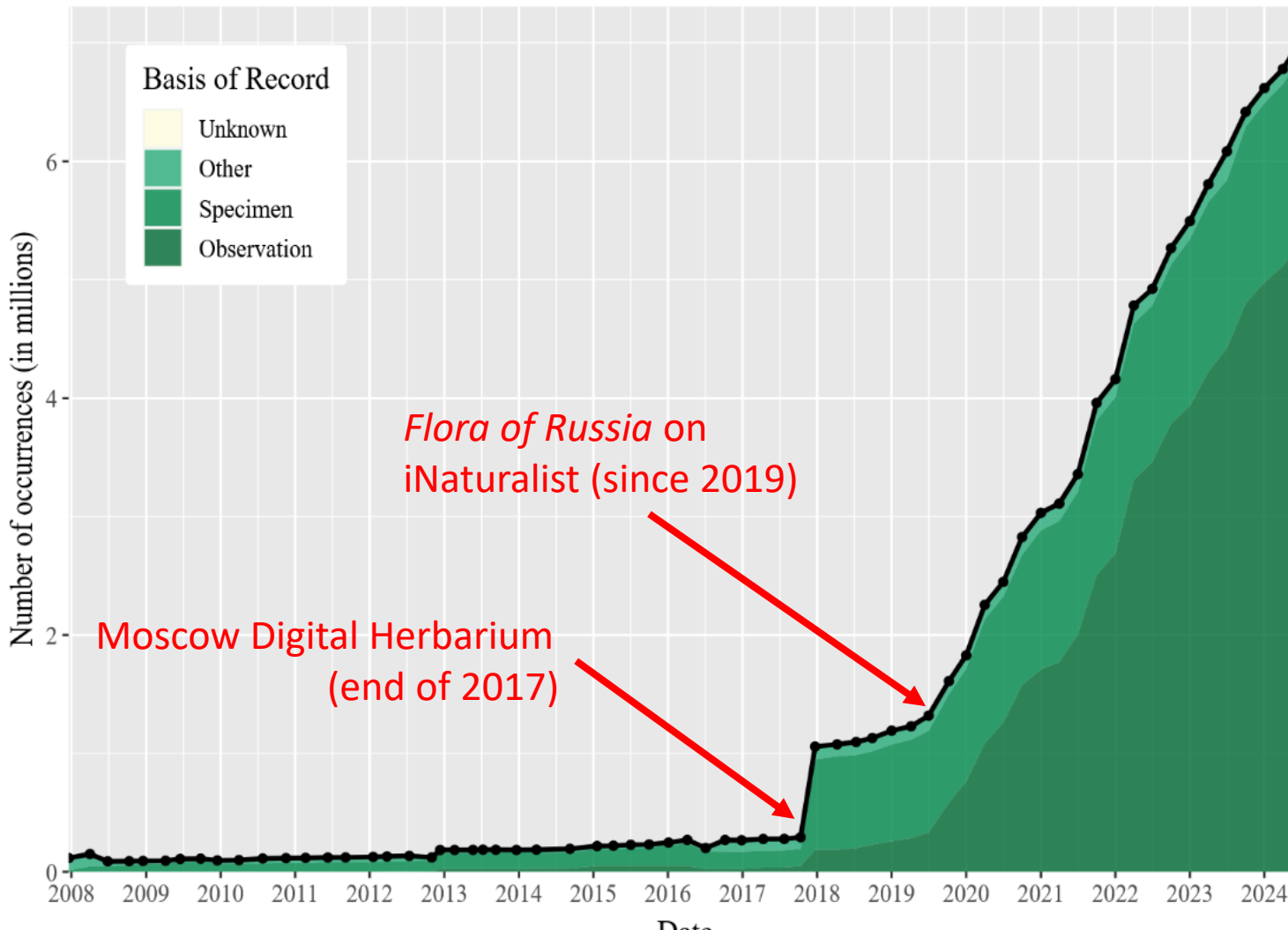
Лидер

Сортировать по: Наблюдения | Вид | Наблюдатели





Plantae records as observed in GBIF index over time



"Flora of Russia" on iNaturalist: a dataset

Alexey P. Seregin[‡], Dmitry A. Bochkov[‡], Julia V. Shner[‡], Eduard V. Garin[§], Igor N. Pospelov[‡], Vadim E. Prokhorov[‡], Pavel V. Golyakov[#], Sergey R. Mayorov[‡], Sergey A. Svirin[‡], Alexander N. Khimin^{*}, Marina S. Gorbunova^{*}, Ekaterina S. Kashirina^{*,‡}, Olga P. Kuryakova[‡], Boris V. Bolshakov[‡], Aleksandr L. Ebel[‡], Anatoliy A. Khapugin^{†,‡}, Maxim M. Mallatiev[‡], Sergey V. Mirvoda[‡], Sergey A. Lednev[‡], Dina V. Nesterkova[‡], Nadezhda P. Zelenova[‡], Svetlana A. Nesterova[‡], Viktoriya N. Zelenkova[‡], Georgiy M. Vinogradov[‡], Olga V. Biryukova[‡], Alla V. Verkhovina[‡], Alexey P. Zyryanov[‡], Sergey V. Gerasimov[‡], Ramazan A. Murtazaliev[‡], Yuriy M. Basov[‡], Kira Yu. Marchenkova^{‡,‡}, Dmitry R. Vladimirov^{‡,‡}, Dina B. Safina[‡], Sergey V. Dudov[‡], Nikolai I. Degtyarev[‡], Diana V. Tretyakova^{‡,‡}, Daba G. Chimitov^{‡,‡}, Evgenij A. Sklyar^{‡,‡}, Alesya N. Kandaurova^{‡,‡}, Svetlana A. Bogdanovich^{‡,‡}, Alexander V. Dubynin^{‡,‡}, Olga A. Chemyagina^{‡,‡}, Aleksandr V. Lebedev^{‡,‡}, Mikhail S. Knyazev^{‡,‡}, Irina Yu. Mitjushina^{‡,‡}, Nina V. Filippova^{‡,‡}, Kseniia V. Dudova^{‡,‡}, Igor V. Kuzmin^{‡,‡}, Tatyana Yu. Svetasheva^{‡,‡}, Vladimir P. Zakharov^{‡,‡}, Vladimir P. Travkin^{‡,‡}, Yaroslav O. Magazov^{‡,‡}, Vladimir Yu. Teploukhov^{‡,‡}, Andrey N. Efremov^{‡,‡}, Olesya V. Deineko^{‡,‡}, Viktor V. Stepanov^{‡,‡}, Eugene S. Popov^{‡,‡}, Dmitry V. Kuzmenckin^{‡,‡}, Tatiana L. Strus^{‡,‡}, Tatyana V. Zarubo^{‡,‡}, Konstantin V. Romanov^{‡,‡}, Alexei L. Ebel^{‡,‡}, Denis V. Tishin^{‡,‡}, Vladimir Yu. Arkhipov^{‡,‡}, Vladimir N. Korotkov^{‡,‡}, Svetlana B. Kutueva^{‡,‡}, Vladimir V. Gostev^{‡,‡}, Mikhail M. Krivosheev^{‡,‡}, Natalia S. Gamova^{‡,‡}, Veronica A. Belova^{‡,‡}, Oleg E. Kosterin^{‡,‡}, Sergey V. Prokopenko^{‡,‡}, Rinat R. Sultanov^{‡,‡}, Irina A. Kobuzeva^{‡,‡}, Nikolay V. Dorofeev^{‡,‡}, Alexander A. Yakovlev^{‡,‡}, Yuriy V. Danilevsky^{‡,‡}, Irina B. Zolotukhina^{‡,‡}, Damir A. Yumagulov^{‡,‡}, Valerii A. Glazunov^{‡,‡}, Vladimir A. Bakutov^{‡,‡}, Andrey V. Danilin^{‡,‡}, Igor V. Pavlov^{‡,‡}, Elena S. Pushay^{‡,‡}, Elena V. Tikhonova^{‡,‡}, Konstantin V. Samodurov^{‡,‡}, Dmitrii V. Epikhin^{‡,‡}, Tatyana B. Silaeva^{‡,‡}, Andrei I. Pyak^{‡,‡}, Yulia A. Fedorova^{‡,‡}, Evgeniy S. Samarin^{‡,‡}, Denis S. Shilov^{‡,‡}, Valentina P. Borodulina^{‡,‡}, Ekaterina V. Kropocheva^{‡,‡}, Gennadiy L. Kosenkov^{‡,‡}, Uladzimir V. Buryi^{‡,‡}, Anna E. Mitroshenkova^{‡,‡}, Tatiana A. Karpenko^{‡,‡}, Ruslan M. Osmanov^{‡,‡}, Maria V. Kozlova^{‡,‡}, Tatiana M. Gavrilova^{‡,‡}, Stepan A. Senator^{‡,‡}, Maxim I. Khomutovskiy^{‡,‡}, Eugene A. Borovichev^{‡,‡}, Ilya V. Filippov^{‡,‡}, Serguei V. Ponomarenko^{‡,‡}, Elena A. Shumikhina^{‡,‡}, Dmitry F. Lyskov^{‡,‡}, Evgeny A. Belyakov^{‡,‡}, Mikhail N. Kozhin^{‡,‡}, Leonid S. Poryadin^{‡,‡}, Artem V. Leostrin^{‡,‡}

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[‡] Lomonosov Moscow State University (Sevastopol Branch), Sevastopol, Russia

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[‡] Tomsk State University, Tomsk, Russia

[‡] Joint Directorate of the Mordovia State Nature Reserve and National Park "Smolny", Saransk, Russia



OCCURRENCE DATASET | REGISTERED OCTOBER 14, 2019

RU-BIRDS.RU, Birds observations database from Russia and neighboring regions. Zoological Museum of M.V. Lomonosov Moscow State University.

Published by [Lomonosov Moscow State University](#).

Ukolov I • Kalyakin M • Voltzit O

[DATASET](#) [METRICS](#) [ACTIVITY](#) [DOWNLOAD](#)

1,705,939 OCCURRENCES 184 CITATIONS

[RU-BIRDS.RU](#), Birds observations from Russia and neighboring regions.

Project ID: [N-Eurasia-Russia2021](#)

Publication date: October 9, 2019

Metadata last modified: March 15, 2022

Hosted by: [Lomonosov Moscow State University](#)

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How to cite DOI [10.15468/5cjsx70](#)

1,705,939
Occurrences

100%
With taxon match

99.9%
With coordinates

100%
With year

1,705,447 GEOREFERENCED RECORDS



1,621,976
records for
Russia

18.11.2025

[Главная страница](#)[Описание](#)[Инструкция](#)[Карта наблюдений](#)[Места наблюдений](#)[Большой год](#)[Обратная связь](#)

Меню

[▶ Регистрация](#)[▶ Вход в базу данных](#)

Бёрдочер месяца

Август 2021 г.

**Моисейкин Виктор
Александрович (218)**

При поддержке

База данных **"Онлайн дневники наблюдений птиц"** - интернет-система учета наблюдаемых птиц, построенная на основе современных информационных технологий. База данных позволяет вести учет карточек наблюдений и маршрутных учетов птиц, формировать различные аналитические отчеты и многое другое. Самое главное - это интуитивно понятный интерфейс для людей, минимально знакомых с компьютерными технологиями. Владелец и заказчиком базы данных является [Зоомузей МГУ](#).

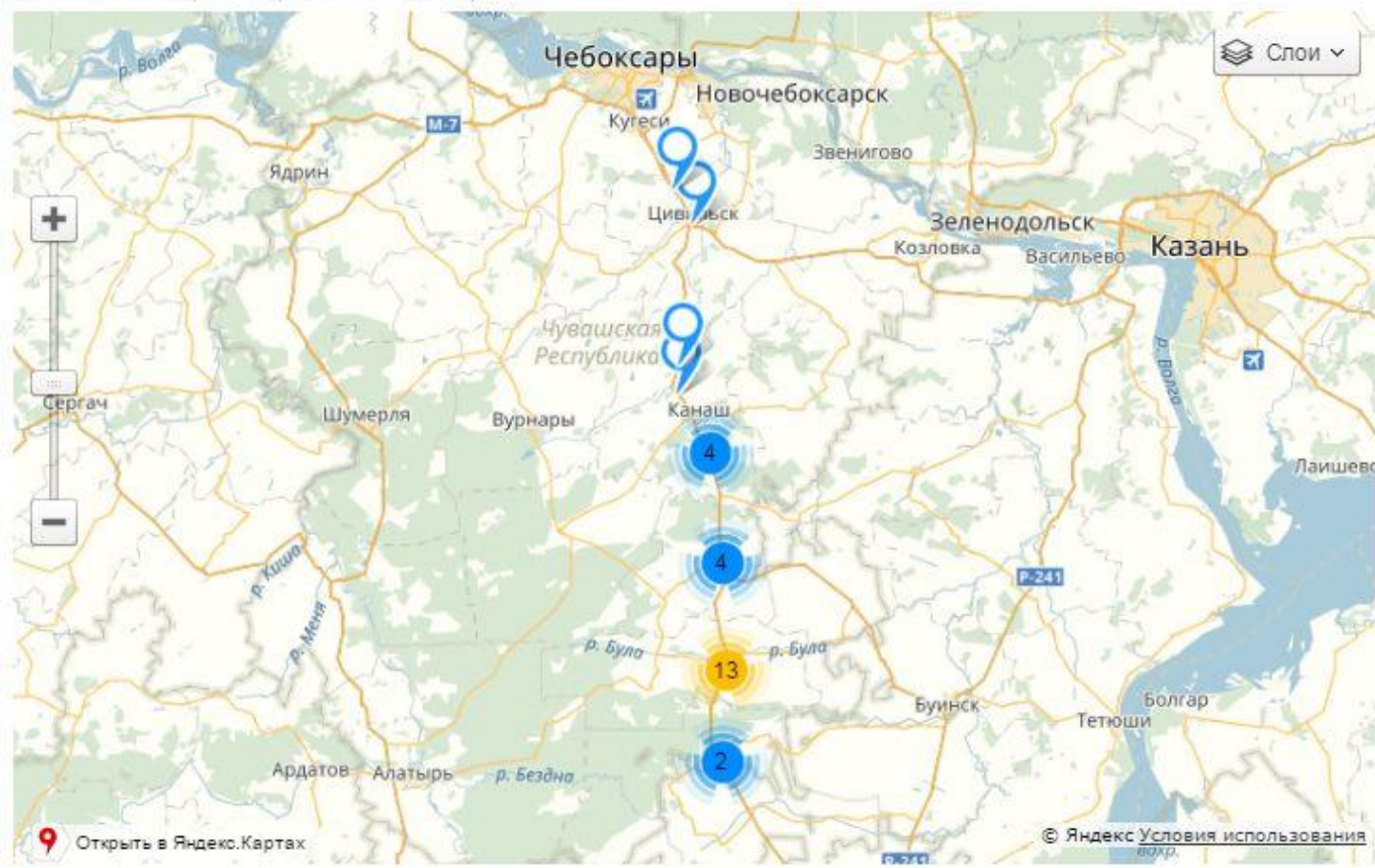
Основные цели создания онлайн-базы данных:

- Не дать пропасть в небытие наблюдениям простых любителей птиц
- Дать любителям возможность самостоятельного ведения карточек
- Дать доступ всем заинтересованным людям к сводной информации по наблюдениям



Мобильное приложение
для учета птиц
BIRD RECORD 2.0

08.04.2015 22:42:47	4 950	Карточка наблюдений	Пощехонский район
09.04.2015 0:00:00	4 934	Карточка наблюдений	Беларусь
09.04.2015 0:00:00	4 944	Карточка наблюдений	Владивосток г.
09.04.2015 10:03:51	4 937	Карточка наблюдений	Томский р-н
09.04.2015 10:08:14	4 939	Карточка наблюдений	Томский р-н
09.04.2015 10:08:59	4 938	Карточка наблюдений	Томский р-н
09.04.2015 12:08:19	4 941	Карточка наблюдений	Москва
09.04.2015 14:44:26	4 942	Карточка наблюдений	Москва
09.04.2015 14:49:10	3	Гнездовая карточка	Москва
09.04.2015 14:54:51	4	Гнездовая карточка	Москва
09.04.2015 16:56:55	4 946	Карточка наблюдений	Первомайский р-н
09.04.2015 16:57:48	4 945	Карточка наблюдений	Первомайский р-н
09.04.2015 16:59:32	4 947	Карточка наблюдений	Первомайский р-н
09.04.2015 19:56:58	4 951	Карточка наблюдений	Костромской р-н
09.04.2015 19:59:21	4 953	Карточка наблюдений	Себежский р-н
09.04.2015 20:01:43	4 952	Карточка наблюдений	Череповецкий р-н
09.04.2015 20:36:40	4 957	Карточка наблюдений	Москва



Карточка наблюдений		
Дата	Регион	
12.06.2016	Приморский край	>
18.06.2016	Ярославская область	>
19.06.2016	Сергиево-Посадский район	>
19.06.2016	Ярославская область	>
24.06.2016	Москва	>
05.07.2016	Москва	>
23.07.2016	Ярославская область	>
25.07.2016	Московская область	>
28.07.2016	Москва	>
01.08.2016	Московская область	>
06.08.2016	Московская область	>
17.08.2016	Московская область	>
20.08.2016	Владимирская область	>
20.08.2016	Владимирская область	>

Карта наблюдений Сформировать

ВЫВЕСТИ НА КАРТУ НАБЛЮДЕНИЯ ЗА ПЕРИОД

С 23.08.2015 по 23.08.2016

ВИД ПТИЦЫ (НЕОБЯЗАТЕЛЬНО)

Вид птицы Подорлик малый (Aquila po... >

Использовать собственные наблюдения в смартфоне ☐

Использовать данные RU-BIRDS (требуется наличие интернета) ☒

OCCURRENCE DATASET | REGISTERED SEPTEMBER 16, 2010

EOD – eBird Observation Dataset

Published by [Cornell Lab of Ornithology](#)

Imani J • Audette C • Auer T • Barker S • Barry J • Charnoky M • Crowley C • Curtis J • Davies I • Davis C • Diaz R • Feinberg A • Fink D • Ganger J • Garrett J • Gerbracht J • Hanks C • Hayes M • Hochachka W • Iliff M • Jordan A • Ligocki S • Long T • Morris W • Morrow S • Oldham L • Padilla Obregon F • Robinson O • Rodewald A • Ruiz-Gutierrez V • Schloss M • Smith A • Smith J • Stillman A • Stokowski M • Strimas-Mackey M • Sullivan B • Tedeschi A • Weber D • Wolf H • Wood C

DATASET

METRICS

ACTIVITY

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1,775,781,186 OCCURRENCES

1,244 CITATIONS

eBird is a collective enterprise that takes a novel approach to citizen science by developing cooperative partnerships among experts in a wide range of fields: population ecologists, conservation biologists, quantitative ecologists, statisticians, computer scientists, GIS and informatics specialists, application developers, and data administrators. Managed by the Cornell Lab of Ornithology eBird's goal is to increase data quantity through participant recruitment and engagement globally, but also... [More](#)

Publication date: August 8, 2025

Metadata last modified: October 29, 2025

Hosted by: [Cornell Lab of Ornithology](#)

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 [How to cite](#) [DOI](#) [10.15468/aomfnb](#)

1,775,781,186

Occurrences

100%

With taxon match

99.9%

With coordinates

99.9%

With year

1,775,515,330 GEOREFERENCED RECORDS

1,276,689 records for Russia

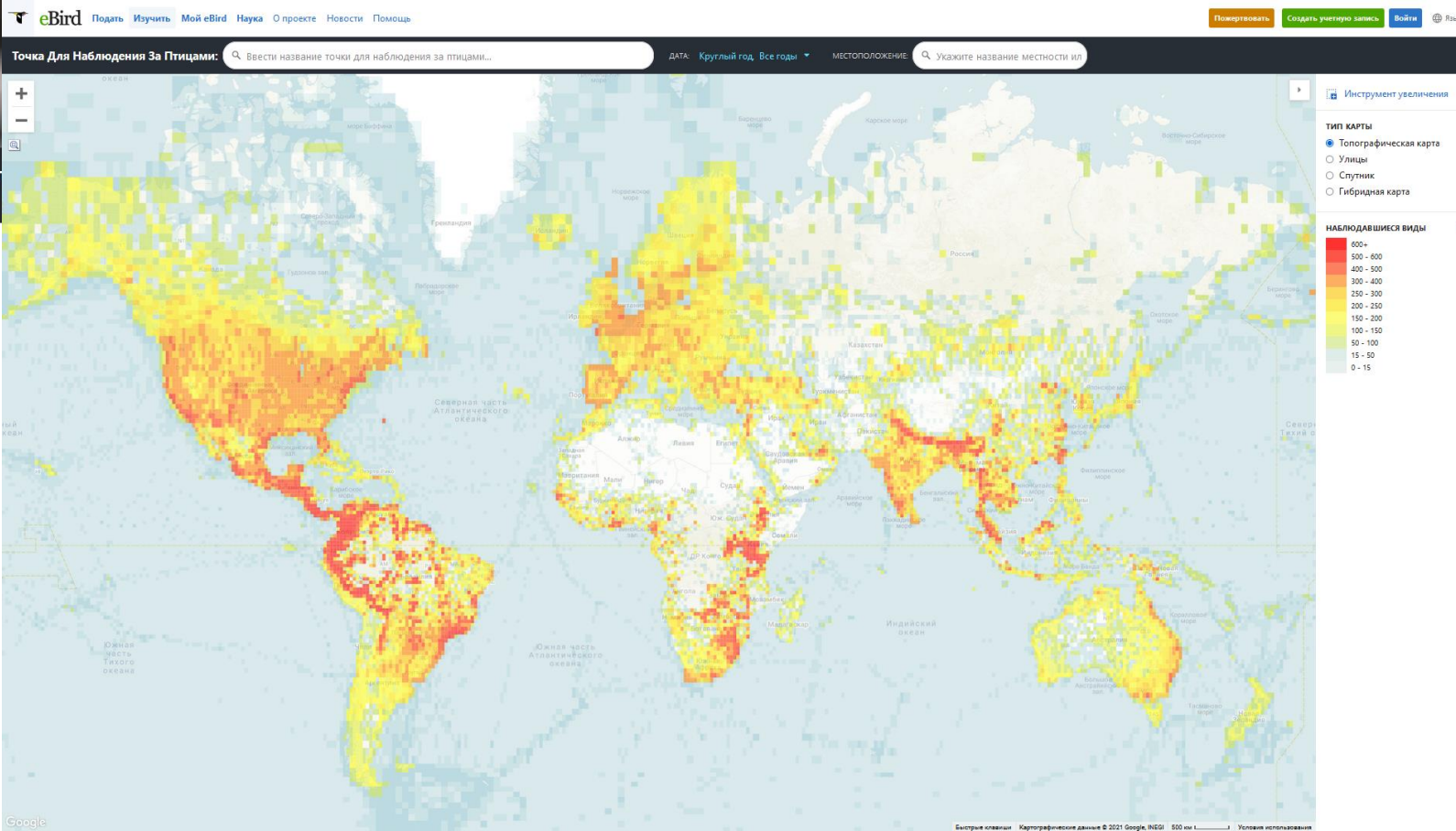
18.11.2025

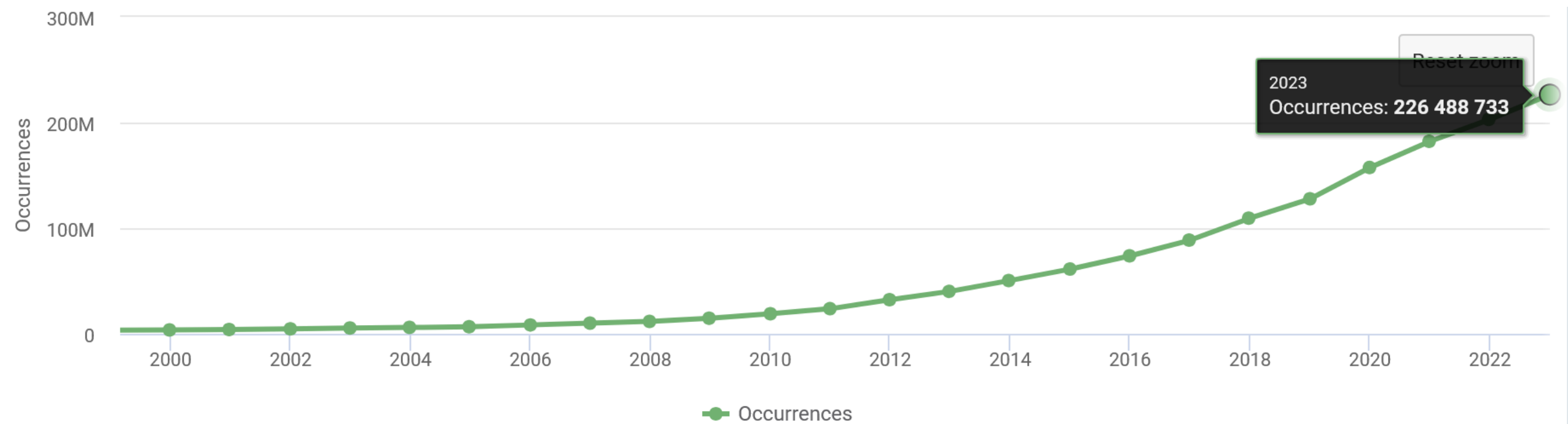
Откройте для себя
новый мир
бёрдинга...

Дополнительная информация Начать



Рыжегорлая оляп
Macaulay Library





Number of eBird occurrences in GBIF
by year

17.07.2025

Digitization of plant collections across the world



Naturalis (the Netherlands)



Paris (France)



Smithsonian (US)



New York (US)



Kew (UK)



Digitization backstage
in the Moscow University
Herbarium (2018 – 2023)



ДЕПОЗИТАРИЙ
ЖИВЫХ СИСТЕМ
«НОЕВ КОВЧЕГ»

Microorganisms and fungi

Plants

Animals

Human biodata

Bio. information

...

RU EN



Seregin A. P.
[Cabinet](#) ([Log out](#))

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[Collections](#)

[Contacts](#)

[Links](#)

[Infrastructure](#)

[Cite As](#)

Database contains (herbarium specimens only):

Specimens: [1 378 930](#) Images: [1 355 564](#) Species: [37 311](#) Georeferenced: [1 050 030](#) Labels + OCR: [720 967](#) + [655 482](#)
 Collectors: [19 395](#) Views: [13 581 230](#) FLORUS maps: [9 885](#) Contributions by volunteers: [1 238 373](#) Books: [22 643](#)
 Institutions: [11](#) GBIF-links: [45 034](#) iNaturalist-links: [5 113](#) Volunteers: [329](#) Types in MW: [5 155](#)

Search

All fields



Suprageneric taxa



Genus / Species



[Advanced search](#)

[Label & OCR search](#)

[Taxonomic browser](#)

National Depository Bank of Live Systems

Moscow Digital Herbarium

The project of the Moscow State University "Noah's Ark" is dedicated to the creation of multi-functional network depository of biological material.

It is planned to work with all possible biomaterials from single biological molecules to separate living organisms.

The main purpose of depository bank creation is to preserve the biodiversity of our planet and create new ways of biomaterials usage.

17.11.2025

■ **MAKING THE RUSSIAN FLORA VISIBLE:
FAST DIGITISATION OF THE MOSCOW
UNIVERSITY HERBARIUM (MW) IN 2015**

Digitisation of collections (databasing of label information and imaging) is a recent trend in herbarium management (Flannery, 2012). Public access to such information via the Internet makes collections more broadly useful and improves scientific research (Smith & Blagoderov, 2012).

Today, at least 61 herbaria have over 1M physical specimens. World leaders in herbarium digitisation are P. L. NY, PE and US (Table 1). This list is a compilation of data published in open sources and may not be complete, but it shows that we are far from full digitisation of the world’s largest herbaria. This “digital ranking” is unstable due to varying number and productivity of scanners used in world herbaria depending on budget fluctuation. For instance, NY is currently adding 20K scans per month, K and BM have recently announced a large-scale digitisation project using DigiStreet system based in Amsterdam making 3K scans per day, and US is currently

is focused on the flora of temperate Eurasia with a pronounced emphasis on the flora of Russia. With five staff members, it is the second-largest herbarium in Russia after the Komarov Institute (LE). Collections of MW include 989K specimens of 36,289 species of vascular plants and 2001 species of bryophytes. MW holds some important historical collections by G.F. Hoffmann, J.F. Ehrhart, C.B. Trinius, J.R. and J.G.A. Forster, etc. So far we have found 4.5K type specimens.

Approximately 600 type specimens were previously digitized—thanks to financial support from RFBR – and are available online (http://herba.msu.ru/pictures/mw_type/index.html). Sixty-three historical specimens derived from Carl Linnaeus collections were published on CD *Herbarium Linnaeanum* (Balandin & al., 2001).

In 2015, as a result of the Global Plants Initiative, LE digitised ca. 6.1K specimens and became the largest virtual herbarium in Russia. Also, ca. 5K have been scanned in St. Petersburg University Herbarium (LECB) (V.A. Bubyreva, pers. comm.), but they are not available online.

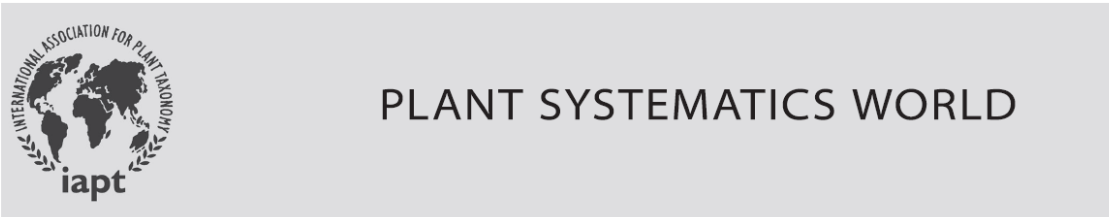
■ **THE LARGEST DIGITAL HERBARIUM IN
RUSSIA IS NOW AVAILABLE ONLINE!**

The Moscow University Herbarium (MW) is the second-largest herbarium in Russia after the Komarov Institute (LE) in St. Petersburg. As of January 2018, it holds 1,030,669 specimens of vascular plants and bryophytes. We recently employed new technical staff to facilitate further growth of herbarium. As a result, we added 22,013 specimens in 2016 and 19,416 specimens in 2017 creating the most actively growing herbarium in the post-Soviet countries. In 2017 we incorporated 5.5K new accessions from Eastern Europe, 3.2K from Asian Russia, 2.5K from Middle Asia, 1.6K from Caucasus, 0.9K from South Asia, 0.8K from Africa, 0.7K from Western Europe, 0.7K from the Crimea, etc. These figures include both the results of our current field activities and the processing of

were exhausted (Seregin, 2016). As of January 2018, 910,816 sheets from MW have been imaged by a commercial partner. These represent 89% of our collections. We did not scan those from Western Europe and Australia which largely represent well studied floras or are duplicates from large digitised herbaria. Unfortunately, because of economic reasons (scanning of fragile unmounted specimens is 20 times more expensive) we left unimaged the important historical collections by G.F. Hoffmann, J.F. Ehrhart, C.B. Trinius, I. and G. Forster and the small *Herbarium Linnaeanum* (Balandin & al., 2001).

Online access

Our goal was to facilitate free full online access to all imaged specimens from the Moscow University Herbarium. In August 2016, we introduced a trial access to a new web-portal named *Moscow Digital Herbarium* (<https://plant.depo.msu.ru/>). As far



Edited by Levent Can



■ **MOSCOW DIGITAL HERBARIUM:
A CONSORTIUM SINCE 2019**

The herbaria of the World, with 387.5M specimens (Thiers, 2019), are being rapidly digitized. At least 77M plant specimens (20%) are already databased throughout the globe in the standard form of GBIF-mediated data. About 55M specimens are imaged, but only 21.6M of them are concentrated in the top-ten largest digital herbaria – P. L. NY, US, PE, BR, MEXU, MW, K, and MPU. The contribution of smaller herbaria has been steadily growing in the last few years due

collected in the last 70 years, whereas MW holdings are fairly evenly distributed in time through 200 years. Altogether, MW and MHA have 130K+ specimens from the Moscow area, making it the most densely sampled region across Russia. The idea of the regional research proposal was to digitize and georeference this large dataset for proper understanding of changes in the flora around Moscow through time and space. From March to October 2019, the MHA team imaged 49.7K herbarium specimens of vascular plants at 600 dpi using a Microtek Object Scan 1600 scanner. In the following few months, 60% of them were georeferenced at Moscow University.

■ **GEOREFERENCING OF THE MOSCOW
UNIVERSITY HERBARIUM
(MW) DATASET IS COMPLETED**

Ten years ago we started scanning the Moscow University Herbarium collections (Seregin, 2016). Since 2016, we have been publishing them online on the Moscow Digital Herbarium website (<https://plant.depo.msu.ru/>). Later, we launched a GBIF-mediated dataset to promote large-scale access to the collections (<https://doi.org/>

(4) specimens which do not have sufficient information to generate georeferenced data.

(1) **Coordinates available from labels** (151,743 records, or 19%). Labels from specimens collected in the 21st century usually contain geographic coordinates of the collection site. They are entered in a tabular form by label data operators. Since December 2022, such input is carried out by volunteers in the “Pomogator” module (<https://plant.depo.msu.ru/pomogator>) with automatic error control based upon double independent data entry.

Search

All fields

Suprageneric taxa

Genus / Species

Advanced search

Label & OCR search

Taxonomic browser

Collection

Acronym

Keyword

Personalities

Contributions from the members of the Moscow Digital Herbarium consortium

MW (Moscow University Herbarium)

 Specimens: 1 095 608
  Images: 1 072 769
  Species: 36 658
  Georeferenced: 833 701
  Labels + OCR: 586 398 + 506 738

MHA (Herbarium of the Main Botanical Garden RAS, Moscow), since 1 Apr 2019

 Specimens: 193 444
  Images: 192 967
  Species: 5 654
  Georeferenced: 135 198
  Labels + OCR: 56 152 + 137 291

IRKU (Herbarium of Irkutsk State University), since 11 Sep 2020

 Specimens: 42 297
  Images: 42 154
  Species: 1 030
  Georeferenced: 35 788
  Labels + OCR: 30 911 + 11 386

KUZ (Herbarium of the Kuzbass Botanical Garden SB RAS, Kemerovo), since 14 May 2020

 Specimens: 20 136
  Images: 20 227
  Species: 1 366
  Georeferenced: 20 129
  Labels + OCR: 20 131 + 5

TUL (Herbarium of Leo Tolstoy Tula State Pedagogical University), since 25 Dec 2019

 Specimens: 10 098
  Images: 10 122
  Species: 1 147
  Georeferenced: 10 089
  Labels + OCR: 10 097 + 0

TULGU (Herbarium of Tula State University), since Jul 2021

 Specimens: 5 054
  Images: 5 054
  Species: 768
  Georeferenced: 5 047
  Labels + OCR: 5 053 + 0

KULPOL (Herbarium of the Museum-Reserve "Kulikovo Field", Tula), since Jul 2021

 Specimens: 3 657
  Images: 3 656
  Species: 548
  Georeferenced: 3 657
  Labels + OCR: 3 657 + 0

MAG (Herbarium of the Institute of Biological Problems of the North FEB RAS, Magadan), since 22 Dec 2020

 Specimens: 2 604
  Images: 2 604
  Species: 99
  Georeferenced: 2 541
  Labels + OCR: 2 598 + 6

TKM (Herbarium of the Tula Regional Museum of Local Lore), since Jul 2021

 Specimens: 2 967
  Images: 2 948
  Species: 794
  Georeferenced: 2 930
  Labels + OCR: 2 958 + 4

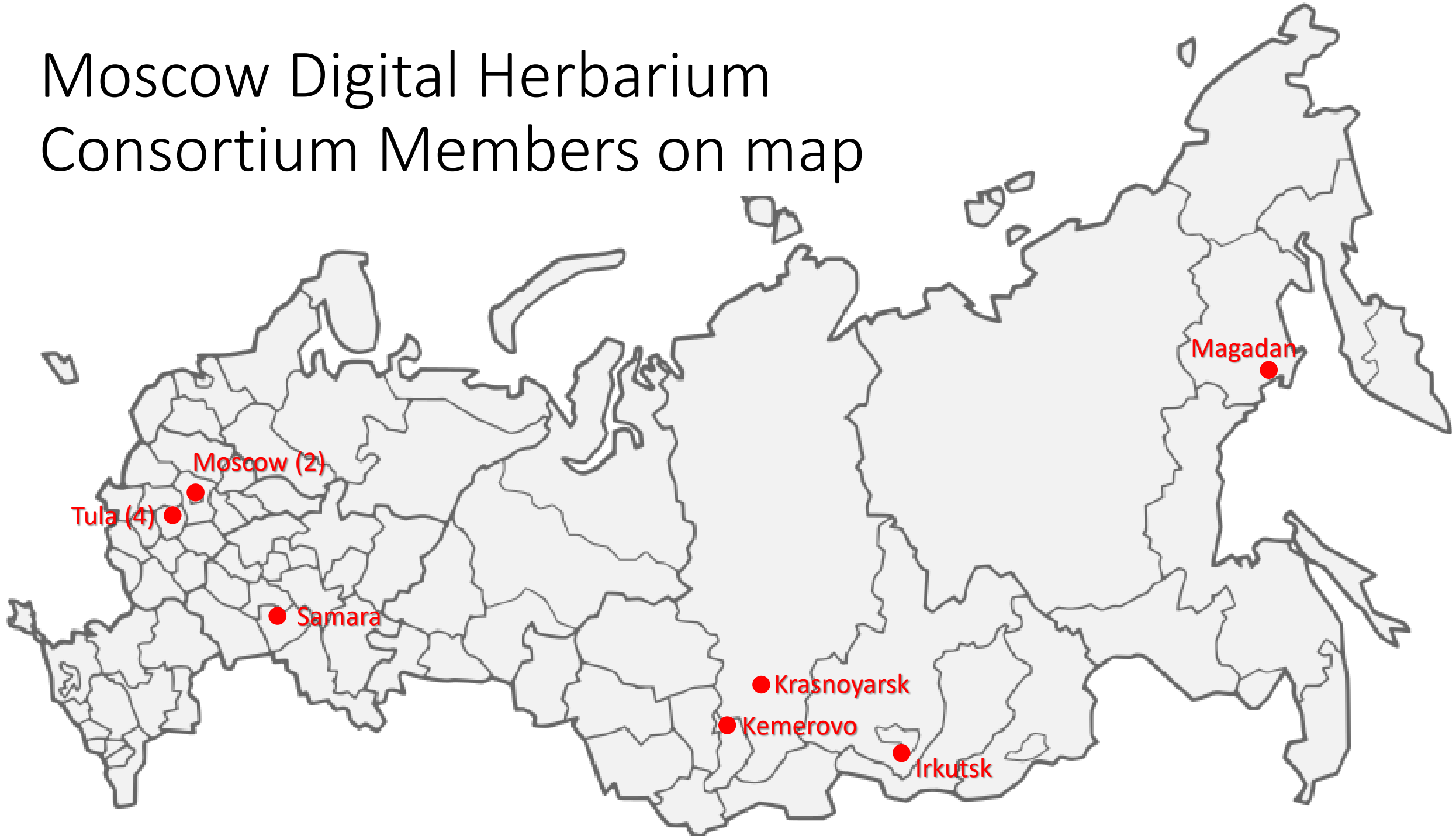
SMR (Herbarium of Samara National Research University named after Academician S.P. Korolev), since 7 Apr 2025

 Specimens: 1 796
  Images: 1 796
  Species: 631
  Georeferenced: 865
  Labels + OCR: 1 796 + 0

KRSU (Herbarium of Siberian Federal University, Krasnoyarsk), since 17 Dec 2024

 Specimens: 1 268
  Images: 1 267
  Species: 309
  Georeferenced: 85
  Labels + OCR: 1 216 + 52

Moscow Digital Herbarium Consortium Members on map



Leading digitized herbaria of Russia

1	MW	1 084 944	https://plant.depo.msu.ru/	GBIF
2	LE	243 521	https://herbariumle.ru/?t=occ	4,8%
3	MHA	174 711	https://plant.depo.msu.ru/	GBIF
4	VBGI	120 837	https://botsad.ru/herbarium/	-
5	NS, NSK	112 080	http://84.237.85.99:8081/	51%
6	SVER	78 942	https://herbarium.ipae.uran.ru/	0,8%
7	ALTB	65 777	http://altb.asu.ru/	GBIF
8	IRKU	42 297	https://plant.depo.msu.ru/	GBIF
9	ABGI	27 560	https://botsad.ru/herbarium/	-
10	KUZ	20 136	https://plant.depo.msu.ru/	GBIF

OCCURRENCE DATASET | REGISTERED JANUARY 16, 2022

Local floras of Russia: records from literature

Published by [Lomonosov Moscow State University](#)

Bochkov D A • Seregin A P

[DATASET](#)PROJECTMETRICSACTIVITYDOWNLOAD

682,130 OCCURRENCES324 CITATIONS

BECAUSE YOU ARE TRUSTED CONTACT

HISTORY

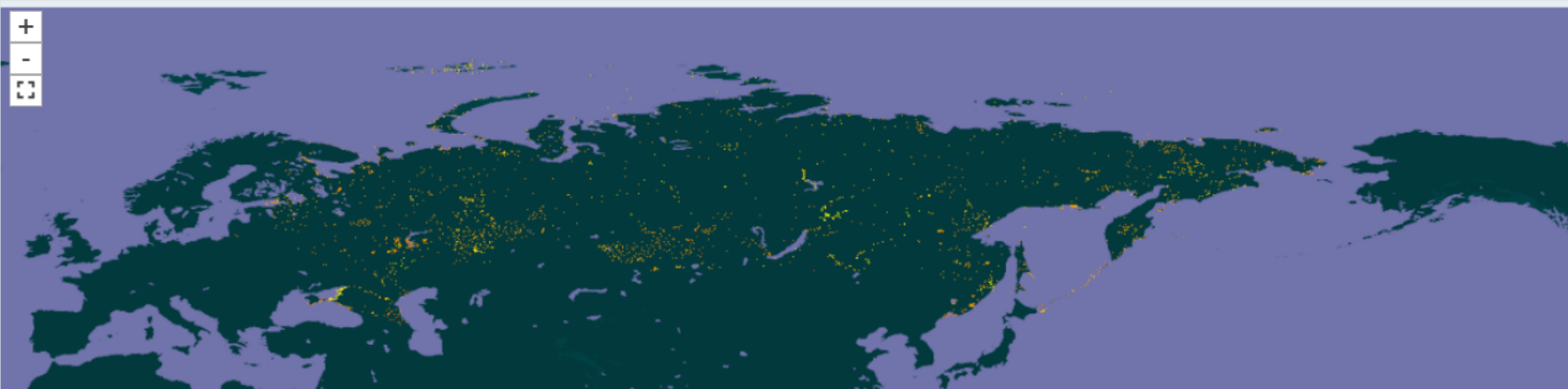
INGEST NOWLOGS

This is a compilative dataset based upon digitisation and databasing of multiple references. The mission of this resource is to enable direct access to a large array of floristic data published in 1975-2021 in hardly available journals, serials, monographs, dissertations and technical reports written in Russian. Submit a new reference | Отправить новый источник: https://docs.google.com/forms/d/e/1FAIpQLSeZt1z6e4lbn7mr7NECkRYcRfO8n9KlCSnc-XmtuCklcz7taQ/viewform?usp=sf_link All records within one ... [More](#)

Project ID: 21-77-20042
Publication date: April 1, 2024
Metadata last modified: April 1, 2024
Hosted by: [Lomonosov Moscow State University](#)
Licence: CC BY 4.0
[How to cite](#) [DOI](#) 10.15468/rxtjt2

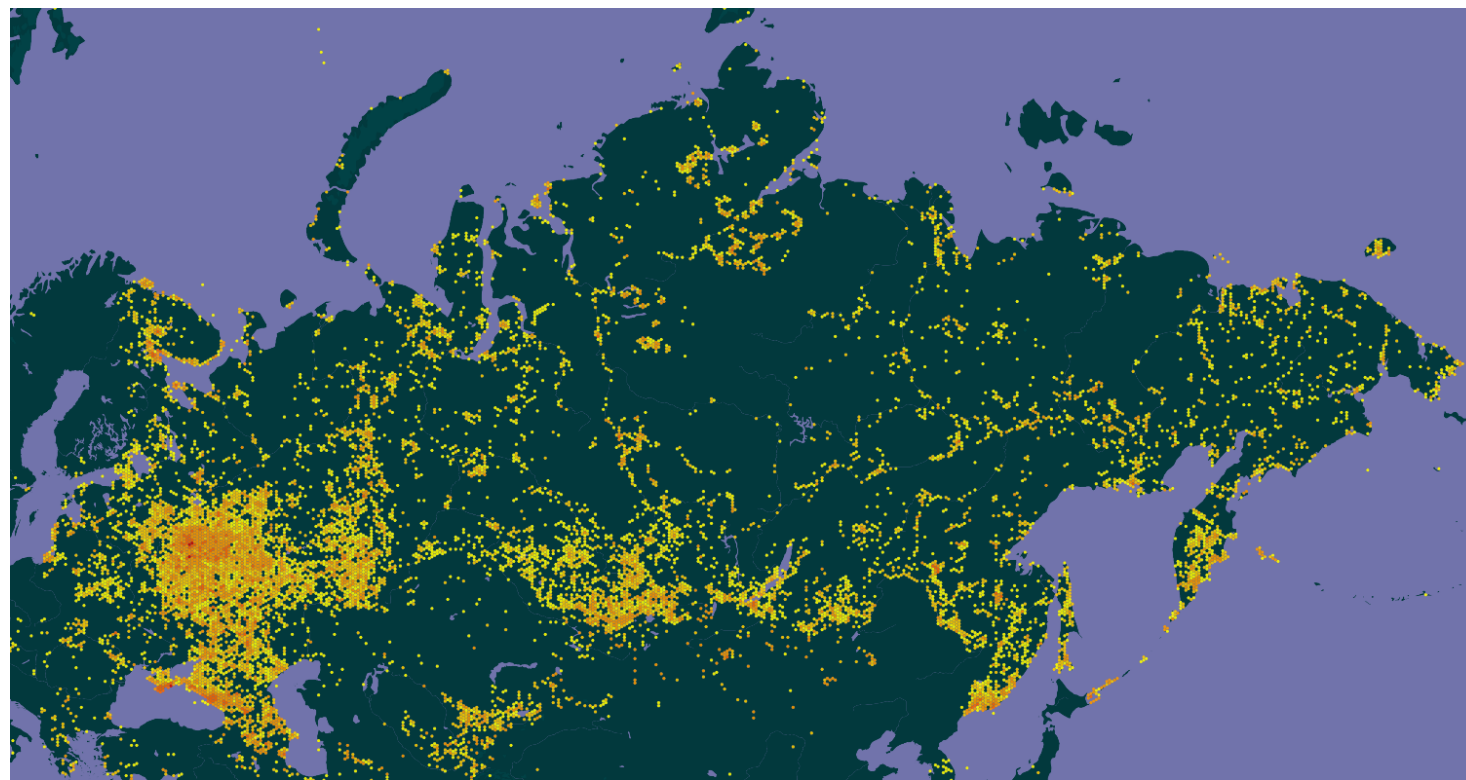
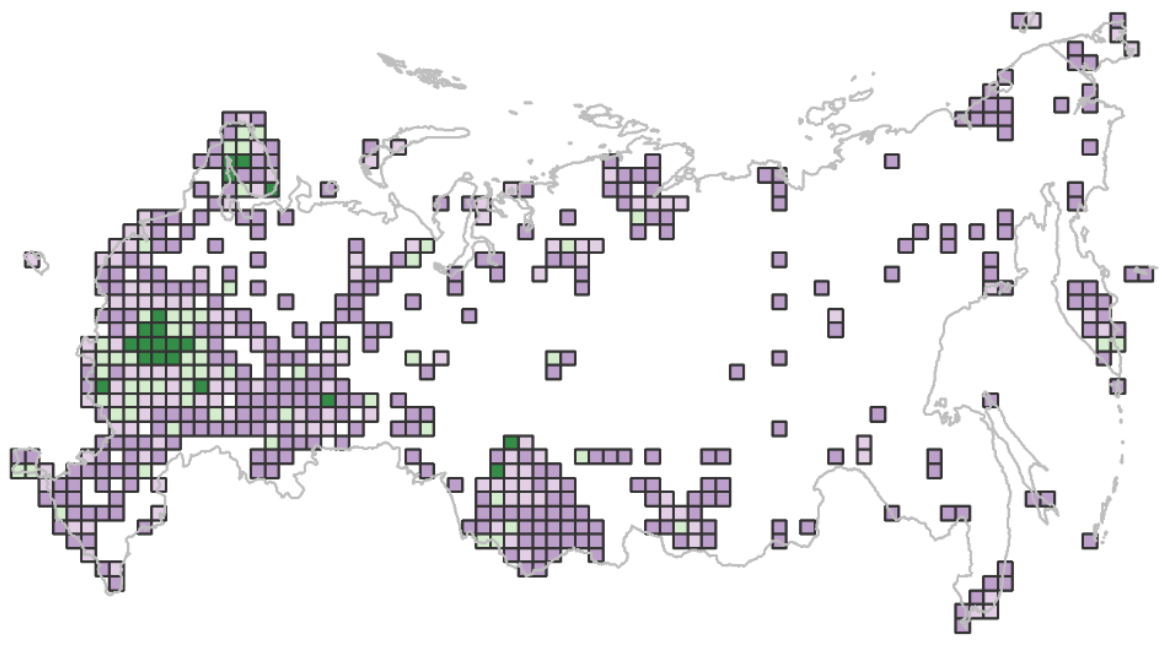


681,602 GEOREFERENCED RECORDS

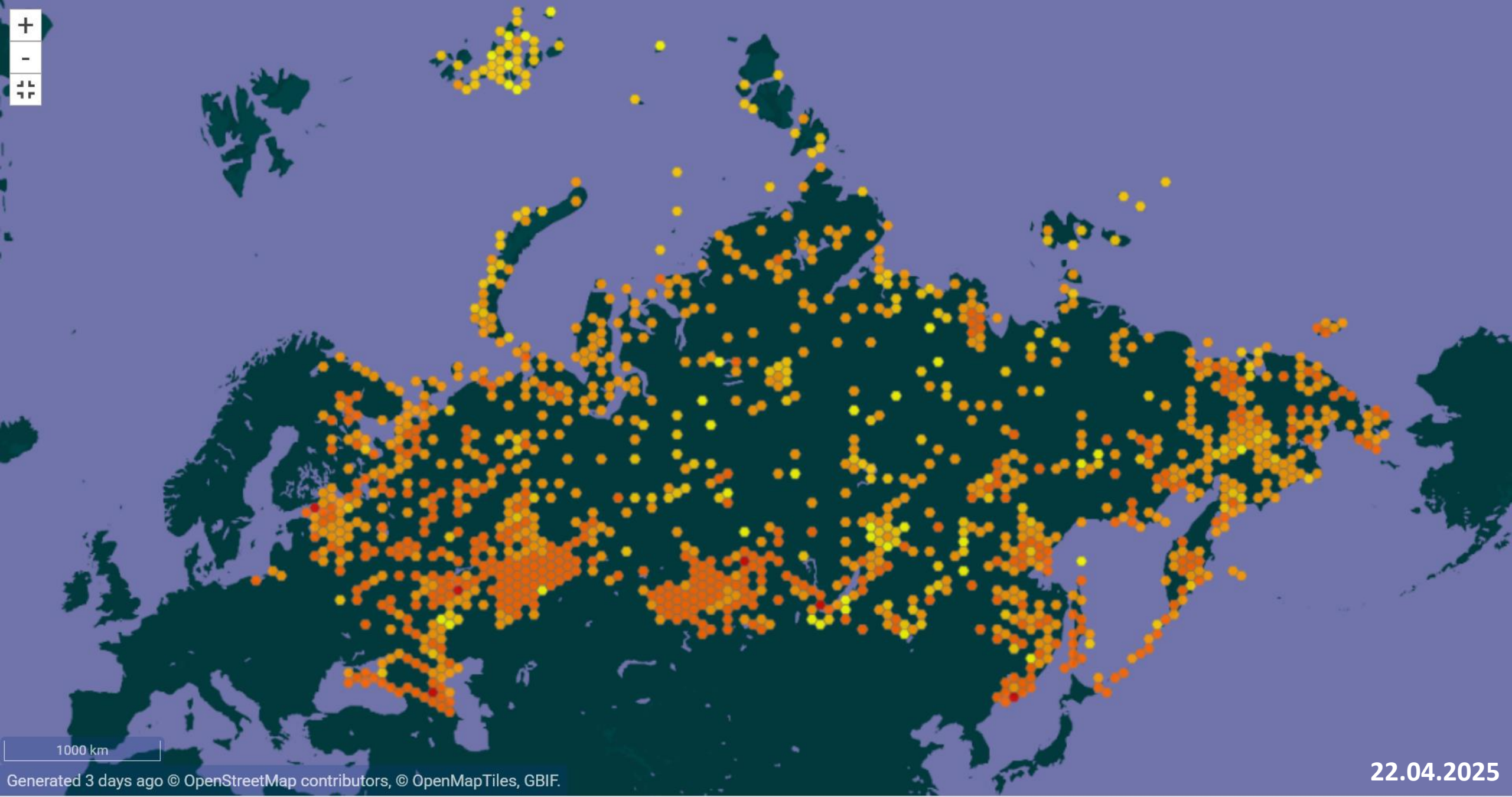


672,072
records for
Russia

18.11.2025



19.04.2022



1000 km

22.04.2025

Generated 3 days ago © OpenStreetMap contributors, © OpenMapTiles, GBIF.

Any year

EXPLORE



www.gbif.org/dataset/4d1b5fed-e12f-48e8-94cb-88cf80115dd1

OCCURRENCE DATASET | REGISTERED OCTOBER 7, 2022

Global soil organisms

Published by [PlutoF](#)

[DATASET](#) [PROJECT](#) [METRICS](#) [ACTIVITY](#) [DOWNLOAD](#)

7,064,657 OCCURRENCES 245 CITATIONS

Global distribution of soil organisms. Data deposited in this project represent unique (non-clustered) sequences. These sequences are members of the curated OTU list (tag-jump filtered and chimera-free, clustered at 98% similarity threshold) from the GSMc dataset (Tedersoo et al., Fungal Diversity, 2021, <https://doi.org/10.1007/s13225-021-00493-7>). For each OTU in each sample, within-OTU sequences were dereplicated ignoring terminal gaps; in the presence of sequence variants differing only in th... [More](#)

Metadata last modified: February 27, 2023

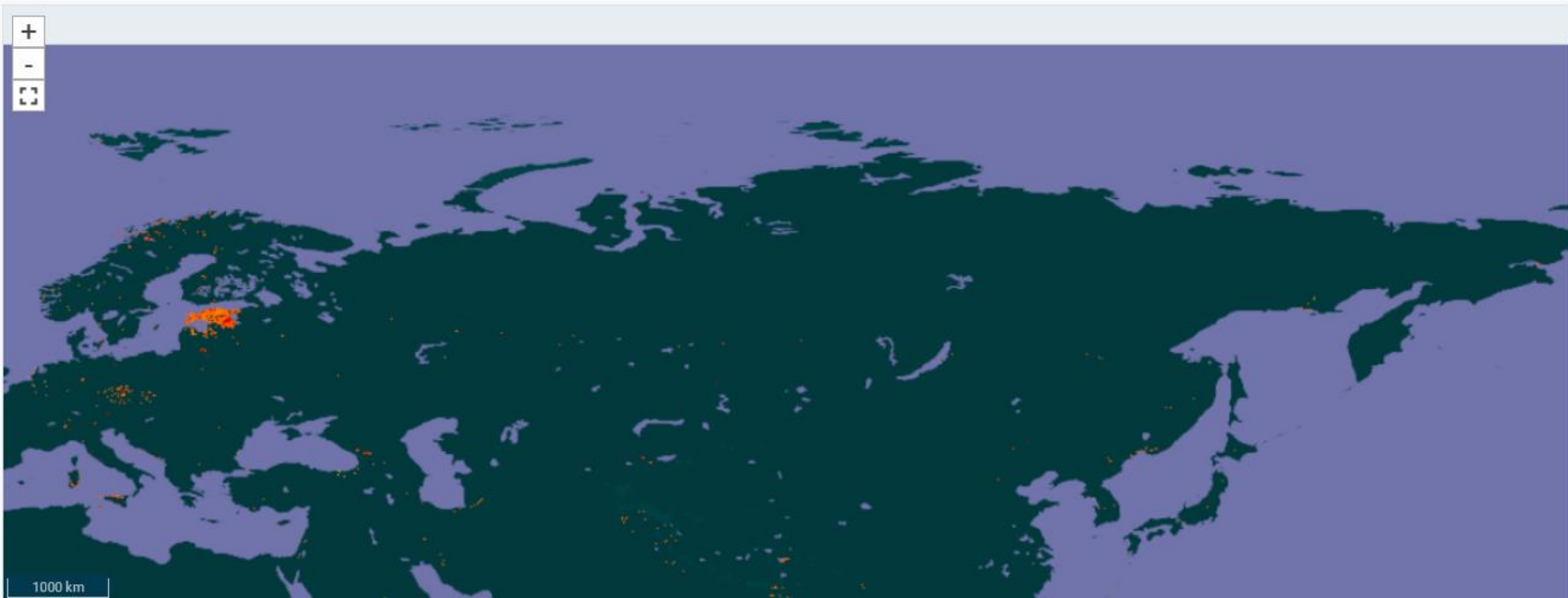
Hosted by: [PlutoF](#)

Licence: [CC0 1.0](#)

 How to cite [DOI](#) 10.15468/fdpeaw



6,850,486 GEOREFERENCED RECORDS



228,710
records for
Russia

18.11.2025

OCCURRENCE DATASET | REGISTERED SEPTEMBER 24, 2021

FLORUS: miscellaneous records

Published by [Lomonosov Moscow State University](#)

FLORUS Community

DATASETMETRICSACTIVITYDOWNLOAD

234,186 OCCURRENCES392 CITATIONS

FLORUS is a steadily growing compilation of miscellaneous records mobilised from various sources on the Russian flora (relevés, literature, specimens, online resources, etc.). The aim of the dataset is to enable access to those FLORUS data which are not currently indexed in GBIF. Clustered records from overlapping datasets will be consequently excluded. The dataset covers distributional data on vascular plants from all subjects of the Russian Federation with greatest strength on (77) the City of... [More](#)



Publication date: August 20, 2024

Metadata last modified: August 20, 2024

Hosted by: [Lomonosov Moscow State University](#)

Licence: CC BY 4.0

How to citeDOI10.15468/ekpd4b

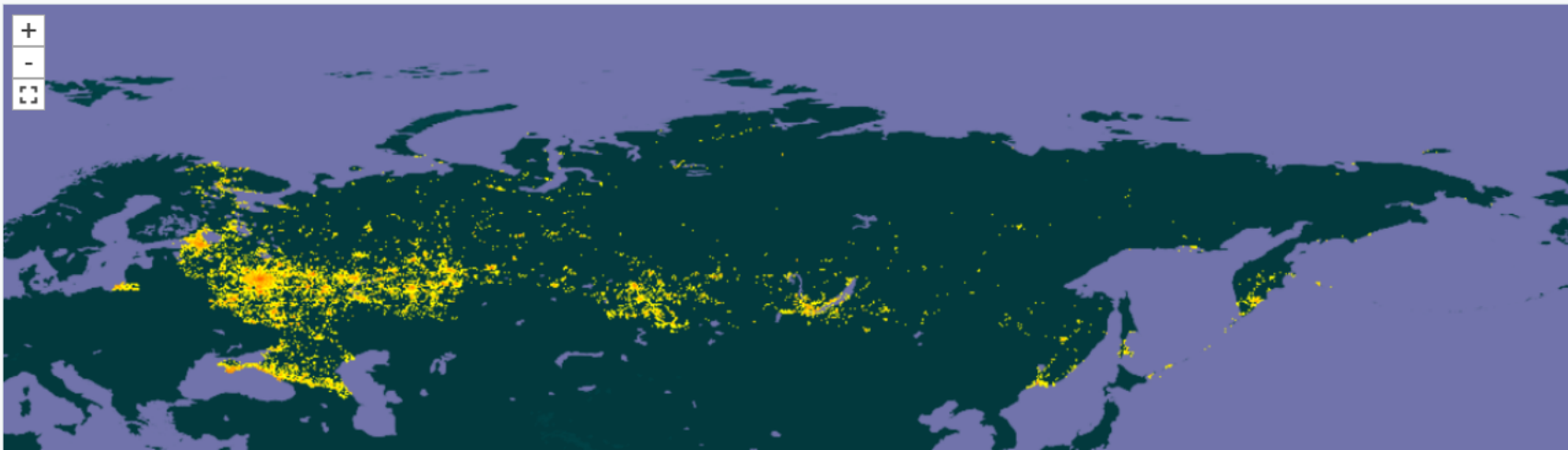
234,186
Occurrences

100%
With taxon match

99.9%
With coordinates

100%
With year

234,182 GEOREFERENCED RECORDS



225,225
records for
Russia

18.11.2025

OCCURRENCE DATASET | REGISTERED SEPTEMBER 20, 2019

MHA Herbarium: collections of vascular plants

Published by [Tsitsin Main Botanical Garden Russian Academy of Sciences](#)

Seregin A • Stepanova N

[DATASET](#) [METRICS](#) [ACTIVITY](#) [DOWNLOAD](#)

193,444 OCCURRENCES708 CITATIONS

BECAUSE YOU ARE TRUSTED CONTACT

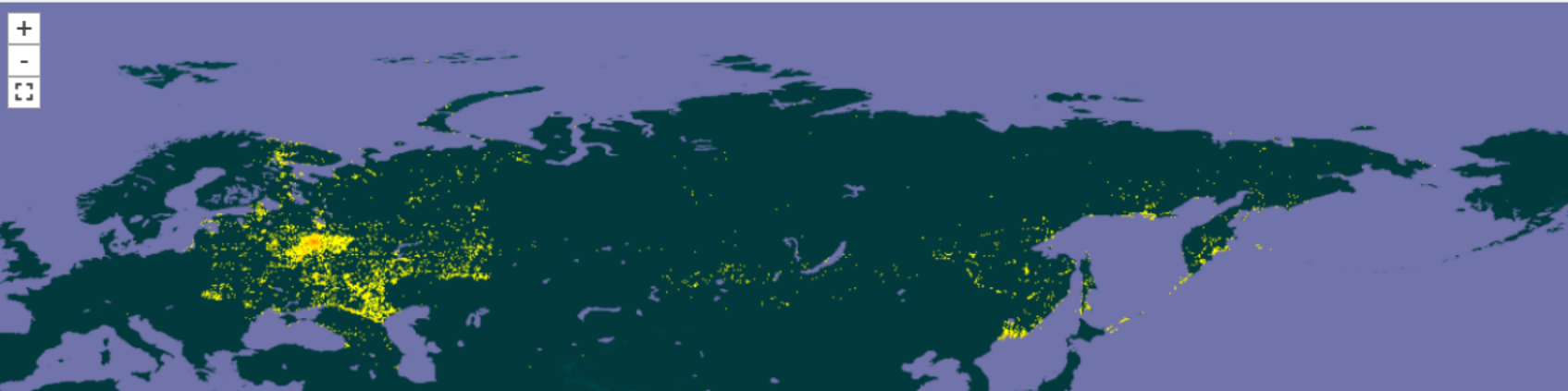
[HISTORY](#)[INGEST NOW](#)[LOGS](#)

The official name of the collection is the Skvortsov Herbarium of the Main Botanical Garden, Russian Academy of Sciences (acronym MHA). In 2020, the herbarium was named after well-known Russian botanist Alexey Konstantinovich Skvortsov (1920–2008). For 36 years, he was the scientific supervisor of the MHA Herbarium.1. History. The herbarium was launched soon after the founding of the Main Botanical Garden of the Academy of Sciences of the USSR in 1945. Initially, some minor collections of dry pl... [More](#)

Project ID: [N-Eurasia-Russia2020-W-Urals](#)
Publication date: November 18, 2025
Metadata last modified: November 18, 2025
Hosted by: [Lomonosov Moscow State University](#)
Licence: [CC BY 4.0](#)
[How to cite](#) [DOI](#) [10.15468/827lk2](#)



135,185 GEOREFERENCED RECORDS



171,364
records for
Russia

18.11.2025

OCCURRENCE DATASET | REGISTERED FEBRUARY 25, 2020

Locations of plants on dot distribution maps in the Flora of Siberia (Flora Sibiraea, 1987–1997)

Published by [Central Siberian Botanical Garden SB RAS](#)

Artemov I • Egorova A

[DATASET](#)PROJECTMETRICSACTIVITYDOWNLOAD

169,854 OCCURRENCES357 CITATIONS

In 1987-1997 the 13 volumed collective monograph Flora of Siberia was published where data on systematics, ecology and distribution of 4302 native and naturalised alien vascular plant species and subspecies were presented (Flora Sibiraea, 1987–1997). Dot distribution maps for 2569 of them were made by authors of the monograph on the base of specimens stored in herbaria of Novosibirsk (NS, NSK), Tomsk (TK), Moscow (MW, MHA) and Saint Petersburg (LE). The total number of locations on the maps are 169854. The resource contains coordinates of the locations which were geocoded by means of the standard ArcView GIS procedures.

Project ID: AAAA-A17-117012610055-3

Publication date: April 13, 2021

Metadata last modified: March 18, 2024

Hosted by: [Central Siberian Botanical Garden SB RAS](#)

Licence: [CC BY 4.0](#)

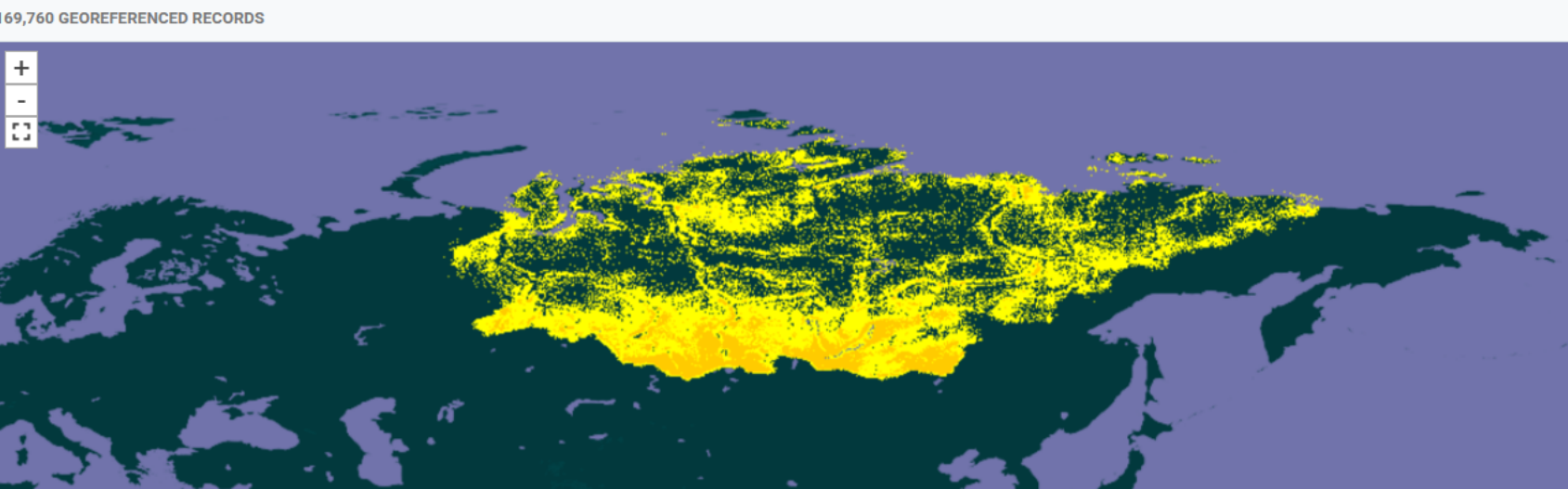
 [How to cite](#)  [DOI](#) [10.15468/jb84wg](#)

169,854
Occurrences

100%
With taxon match

99.9%
With coordinates

100%
With year

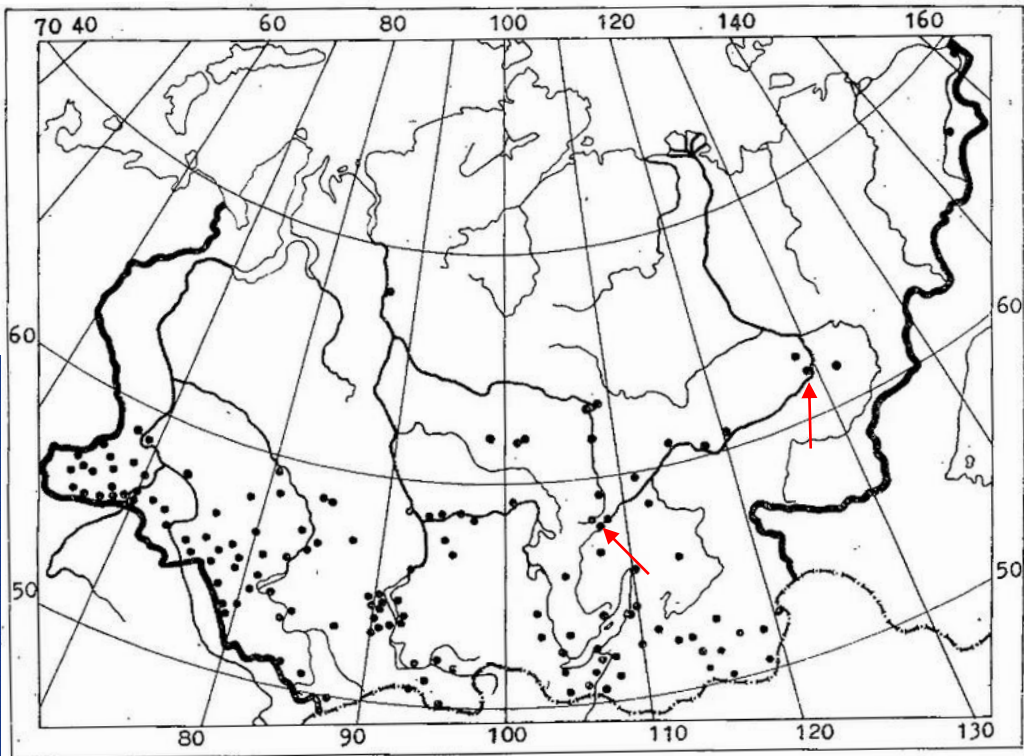
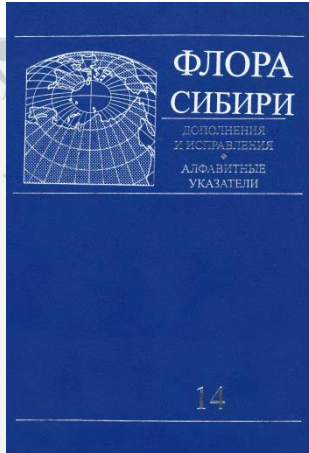


Occurrences 2

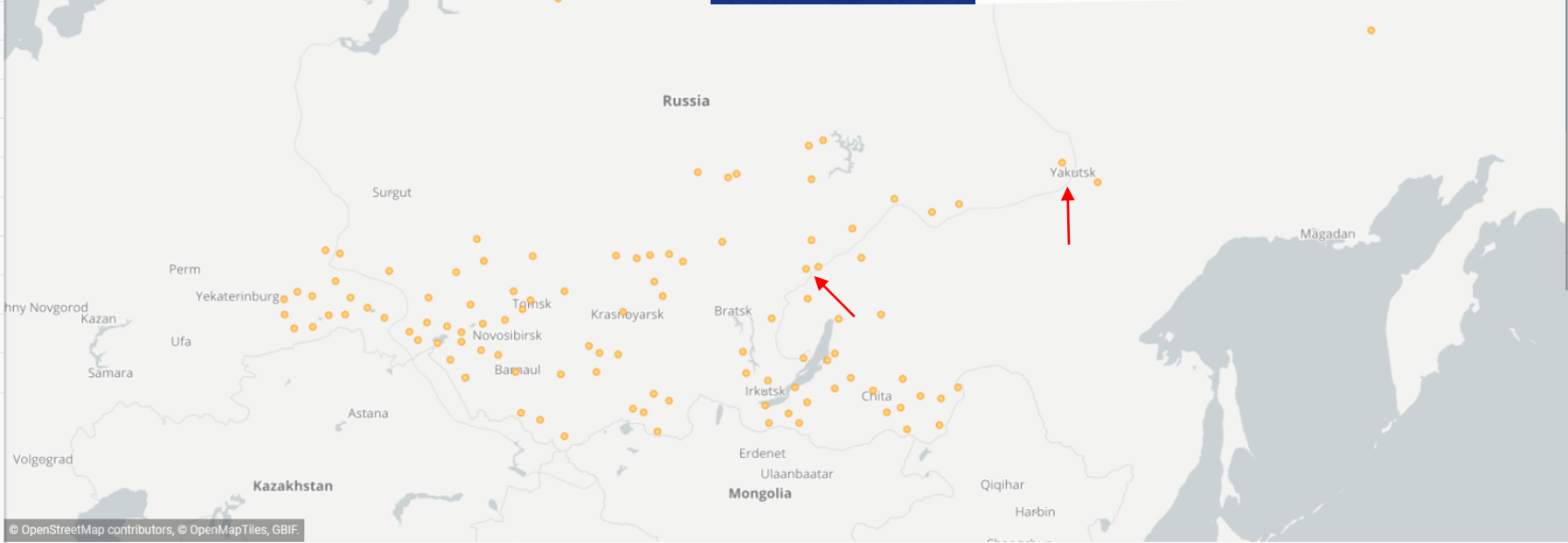
- Scientific name
- ☒ Potamogeton pectinatus L.
= Stuckenia pectinata (L.) Börner
- Basis of record
- Location
- Administrative areas (gadm.org)
- Coordinate uncertainty in metres
- Year
- Month
- Dataset
- ☒ Locations of plants on dot distribution maps in the Flora of Siberia (Flora Sibiraea, 1987–1997)
- Country or area
- Continent
- Issues and flags
- Media type
- Publisher
- Institution code
- Collection code
- Catalogue number
- Type status
- IUCN Global Red List Category

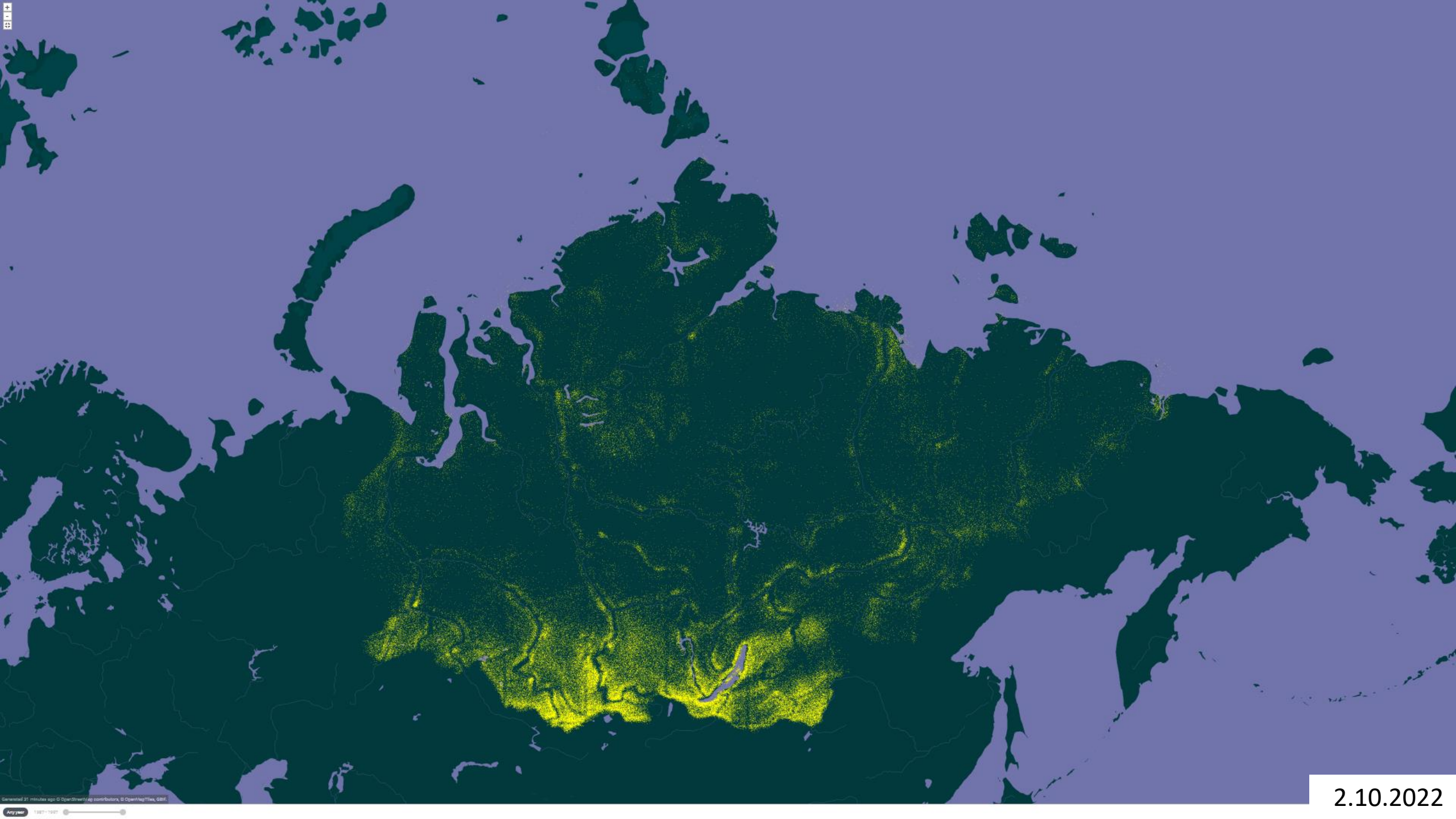
SEARCH OCCURRENCES | 137 WITH COORDINATES

TABLE GALLERY MAP TAXONOMY METRICS DOWNLOAD



102. Potamogeton pectinatus.





OCCURRENCE DATASET | REGISTERED MARCH 27, 2023

Vascular plants of the Soviet Far East (1985-2006): georeferenced records from dot maps

Published by [Lomonosov Moscow State University](#)

Pospelov I N • Seregin A P

DATASET

METRICS

ACTIVITY

DOWNLOAD

156,755 OCCURRENCES

121 CITATIONS

BECAUSE YOU ARE TRUSTED CONTACT

HISTORY

INGEST NOW

LOGS

All georeferenced records from dot maps of the nine-volume monograph "Vascular plants of the Soviet Far East" (1985-2006).

Details: http://herba.msu.ru/shipunov/school/books/sosud_rast_sov_dv2006_dop.pdf

Publication date: April 3, 2025

Metadata last modified: April 3, 2025

Hosted by: [Lomonosov Moscow State University](#)

Licence: CC BY 4.0

 How to cite  DOI [10.15468/pa3dv8](https://doi.org/10.15468/pa3dv8)

156,755 Occurrences

100% With taxon match

100% With coordinates

0% With year

156,755 GEOREFERENCED RECORDS

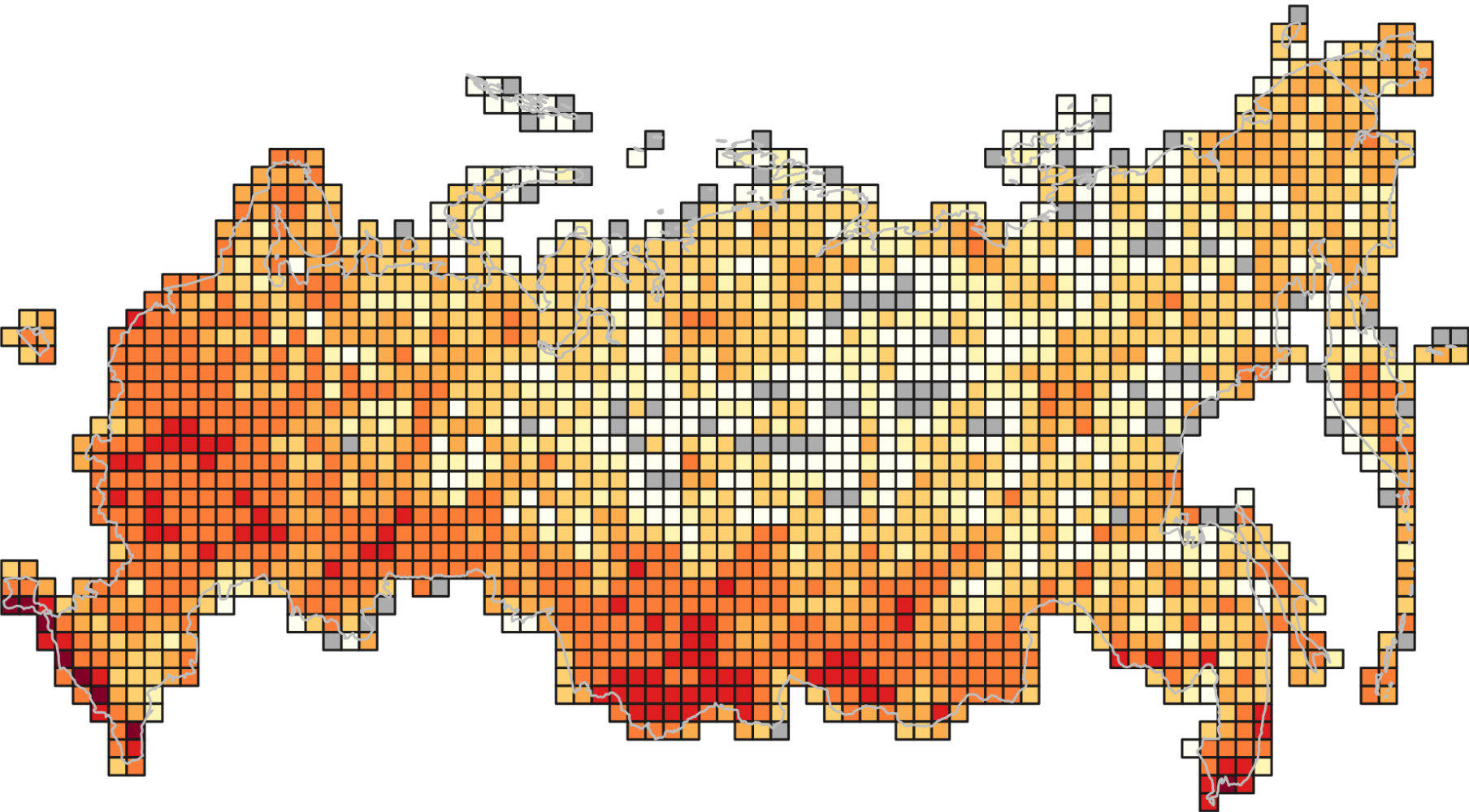


156,755
records for
Russia

18.11.2025

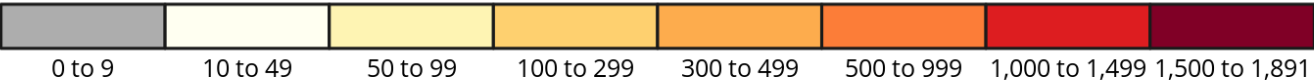
FLORUS Dataset

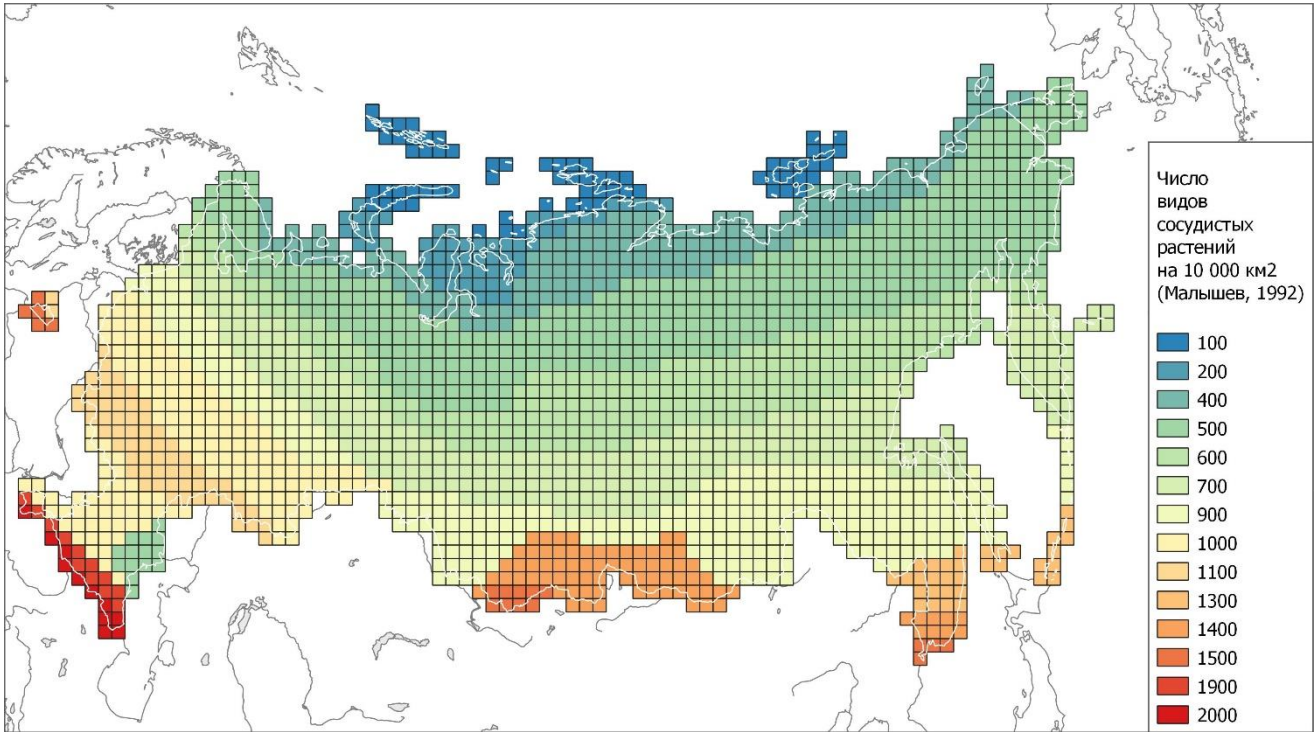
Number of species per 100x100 km grid



8,724 species
as of Sep 2023

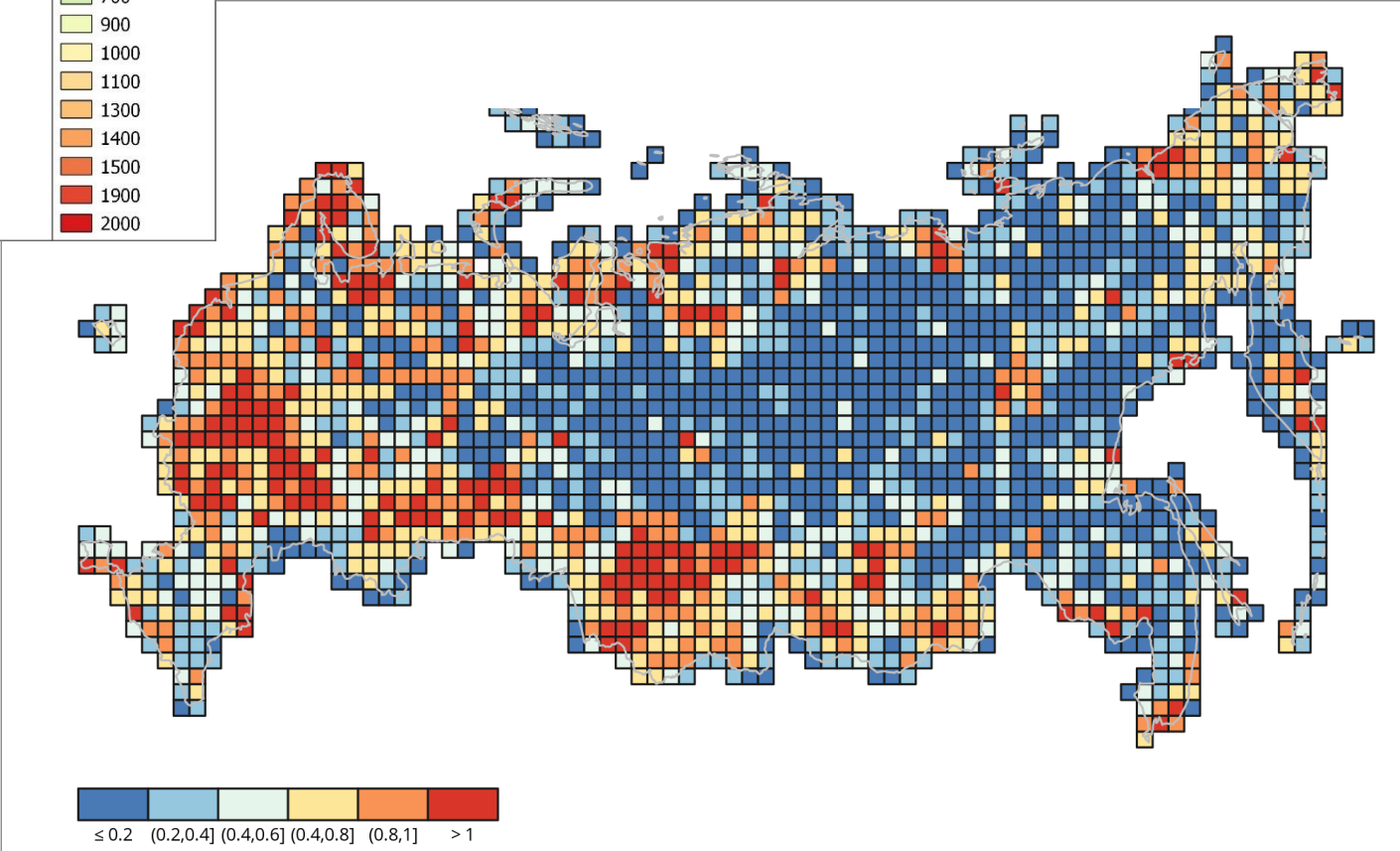
Catalogue of Life
external taxonomy



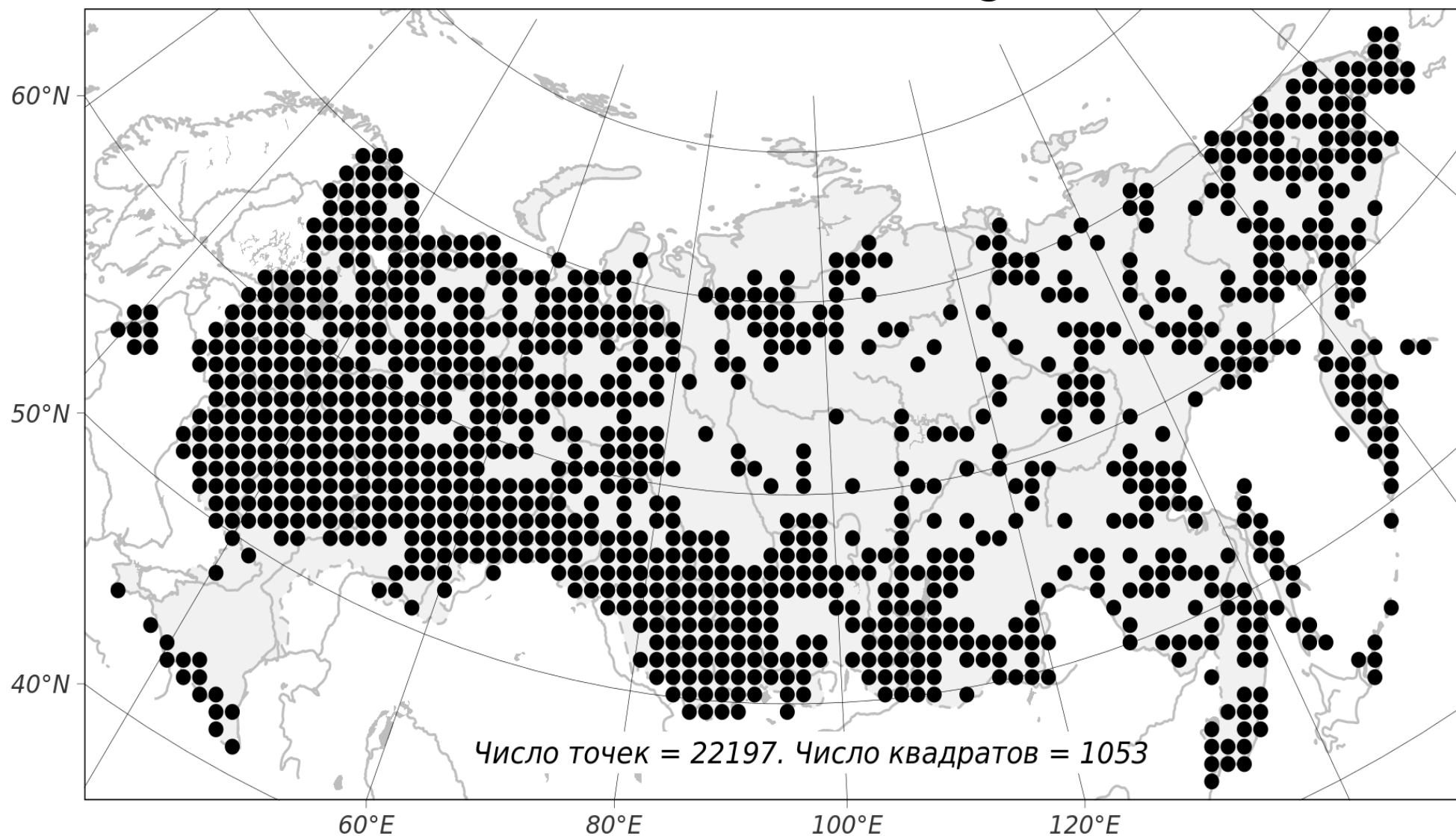


**Grid representation of expected plant
diversity upon 10,000 km²
(Malyshev, 1992)**

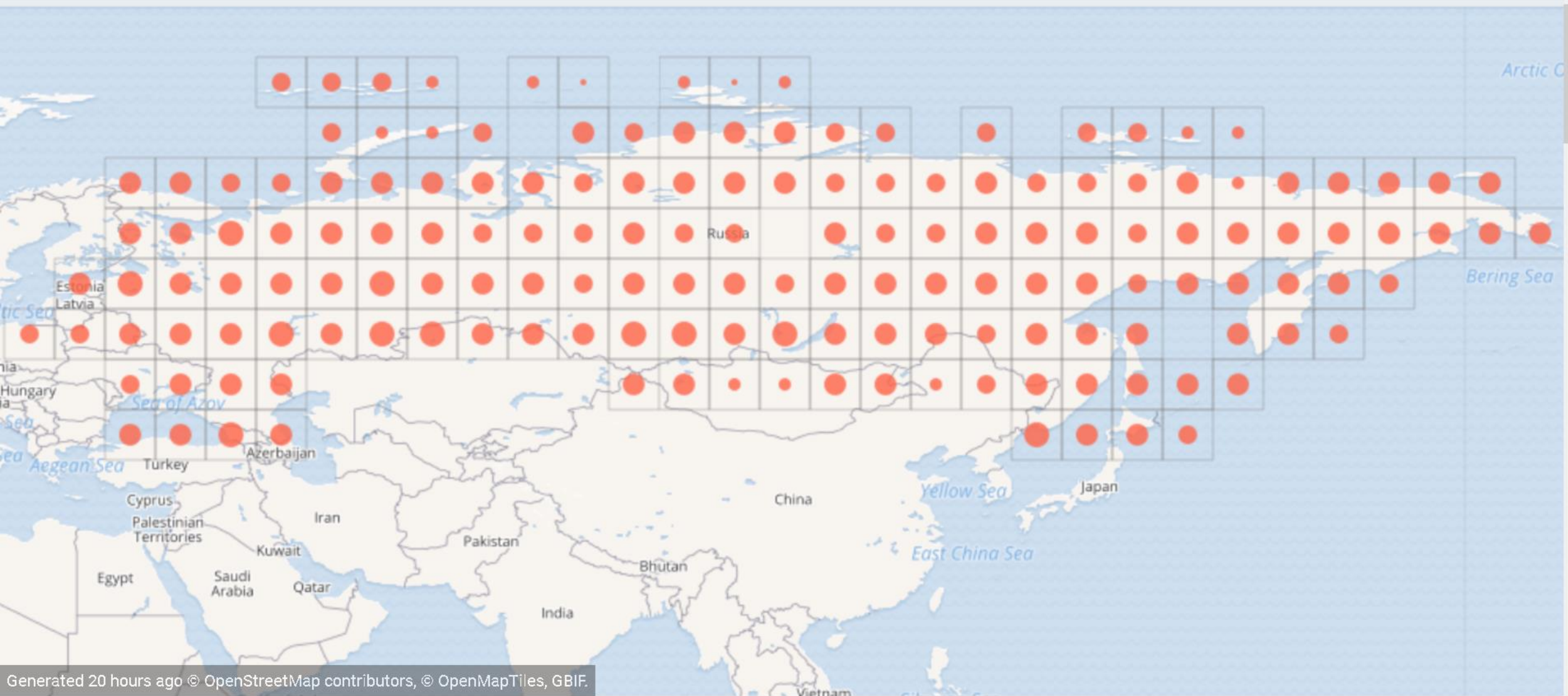
Proportion of recorded species vs. expected species



Chamaenerion angustifolium



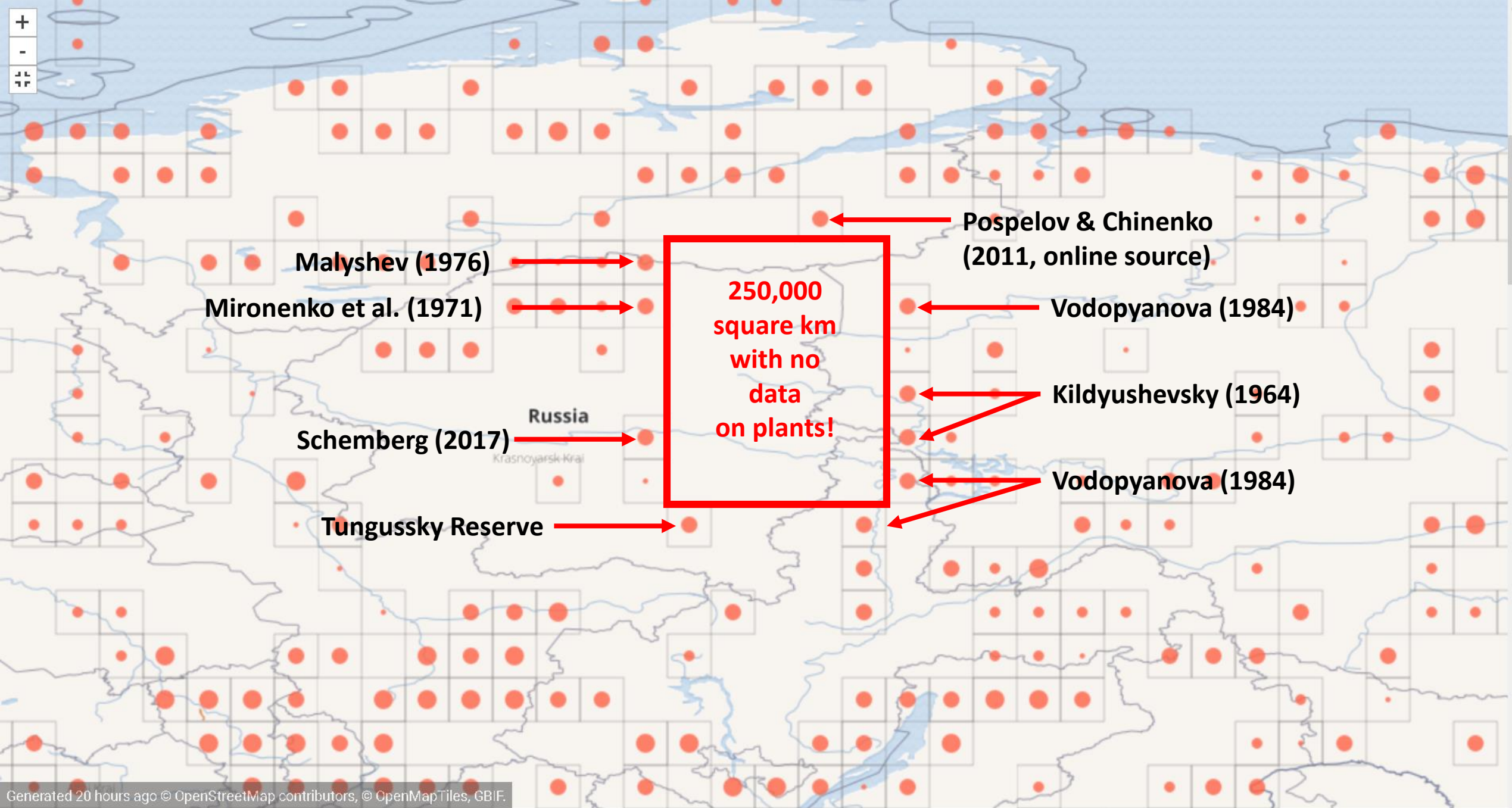
22,197 occurrences & 1,053 grid squares



Any year

EXPLORE AREA







Digitization of biodiversity in Russia

for conservation purposes

Dr. Alexey P. Seregin,
Herbarium Curator, Moscow State University