



Уральский  
федеральный  
университет

**Подготовка данных и публикация  
статьи формата Data Paper  
на примере базы находок сорных растений  
Европейской части России**

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# Проект West of Urals 2020

Организаторы:

- Biodiversity Data Journal (BDJ)
- Finnish Biodiversity Information Facility (FinBIF)
- Pensoft Publishers

## Требования для участия статей в конкурсе:

1) Данные по Европейской  
части России

2) Не менее 5000 записей.



1	eventID	occurrenceID	occurrence	scientificName	taxonRank	kingdom
4994	LNG-Lom-Ngor-200	WpEupRu_4993	present	<i>Polygonum aviculare</i>	Species	Planta L
4995	LNG-Lom-Ngor-200	WpEupRu_4994	present	<i>Argentina anserina</i>	(Species	Planta L
4996	LNG-Lom-Ngor-200	WpEupRu_4995	present	<i>Galium aparine</i>	L. Species	Planta L
4997	LNG-Lom-Ngor-200	WpEupRu_4996	present	<i>Solanum nigrum</i>	L. Species	Planta L
4998	LNG-Lom-Ngor-200	WpEupRu_4997	present	<i>Amaranthus retrofle</i>	Species	Planta L
4999	LNG-Lom-Ngor-200	WpEupRu_4998	present	<i>Bidens tripartita</i>	L. Species	Planta L
5000	LNG-Lom-Ngor-200	WpEupRu_4999	present	<i>Senecio vulgaris</i>	L. Species	Planta L
5001	LNG-Lom-Ngor-200	WpEupRu_5000	present	<i>Sonchus arvensis</i>	L. Species	Planta L
5002	LNG-Lom-Ngor-200	WpEupRu_5001	present	<i>Chenopodium album</i>	Species	Planta L
5003	LNG-Lom-Ngor-200	WpEupRu_5002	present	<i>Lamium purpureum</i>	Species	Planta L
5004	LNG-Lom-Ngor-200	WpEupRu_5003	present	<i>Mentha arvensis</i>	L. Species	Planta L
5005	LNG-Lom-Ngor-200	WpEupRu_5004	present	<i>Stachys palustris</i>	L. Species	Planta L
5006	LNG-Lom-Ngor-200	WpEupRu_5005	present	<i>Plantago media</i>	L. Species	Planta L

## Авторский коллектив:

- Всероссийский институт защиты растений, г. Санкт-Петербург (Н. Н. Лунёва, Е. Н. Мысник);
- Удмуртский государственный университет, г. Ижевск (О. Г. Баранова);
- Башкирский научно-исследовательский институт сельского хозяйства, г. Уфа (Г. Р. Хасанова);
- Южно-Уральский ботанический сад, г. Уфа (С. М. Ямалов, М. В. Лебедева);
- Уральский федеральный университет, г. Екатеринбург (А. С. Третьякова, П. В. Кондратков, Н. Ю. Груданов).

## Типы наборов данных, доступных через GBIF

### Метаданные (METADATA only)

+

#### Таксономический список CHECKLIST

для публикации  
таксономических данных:  
списки охраняемых  
видов, тематические  
видовые списки и др.

1 строка – 1 таксон



+

#### Находки OCCURRENCE DATA

Находка - простое полевое  
наблюдение или  
коллекционный образец

1 строка = 1 особь или 1 группа  
особей

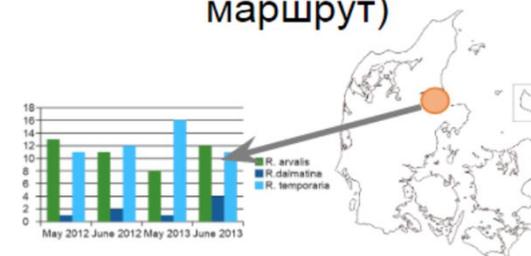


+

#### Описания, учеты или сборы SAMPLE EVENT DATA

2 таблицы: данные о сборе  
+ данные о находках

1 запись на листе event =  
1 событие (площадка,  
маршрут)



## Часть I. Публикация набора данных

### Этапы работы по публикации данных:

1. Отбор информации, подходящей под цели работы;
2. Сбор информации от разных авторов;
3. Проверка и восстановление недостающей информации, выбраковка сомнительных сведений;
4. Приведение информации к единому типу оформления в соответствии с требованиями GBIF и Darwin Core;
5. Объединение получившихся блоков в единый массив;
6. Подготовка метаданных;
7. Размещение набора данных с помощью IPT в системе GBIF.

## Sampling Events

eventID	sampleID	sampleInform	stateProv	county	municipality	habitat	decimalLatitude	decimalLongitude	coordinateSystem	eventDate	year	country	countryLanguage	institutionCode	rightsHolder
LNG-Tos-1999-1	vegeta	100 square	species	Leningrad	Tosnensky	wheat	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-10	vegeta	100 square	species	Leningrad	Tosnensky	barley	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-11	vegeta	100 square	species	Leningrad	Tosnensky	wheat	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-12	vegeta	100 square	species	Leningrad	Tosnensky	oat	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-2	vegeta	100 square	species	Leningrad	Tosnensky	potato	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-3	vegeta	100 square	species	Leningrad	Tosnensky	potato	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-4	vegeta	100 square	species	Leningrad	Tosnensky	potato	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-5	vegeta	100 square	species	Leningrad	Tosnensky	wheat	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution
LNG-Tos-1999-6	vegeta	100 square	species	Leningrad	Tosnensky	annual	59.51997	30.86516	100 WGS 84	1999-08-05	1999	RU	Russia	en	All-Russian Institute of Federal State Budget Scientific Institution

## Associated Occurrences

eventID	occurrenceID	occurrenceStatus	scientificName	taxonRank	kingdom	stateProv	county	municipality	habitat	decimalLatitude	decimalLongitude	coordinateSystem	geobasisOfRecord	eventDate	year	recordedBy
LNG-Tos-1999-1	WpEupRu_1	present	Tripleurospermum	ir	Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni
LNG-Tos-1999-1	WpEupRu_2	present	Persicaria lapathifol	Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	
LNG-Tos-1999-1	WpEupRu_3	present	Artemisia vulgaris	L. Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	
LNG-Tos-1999-1	WpEupRu_4	present	Thlaspi arvense	L. Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	
LNG-Tos-1999-1	WpEupRu_5	present	Senecio vulgaris	L. Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	
LNG-Tos-1999-1	WpEupRu_6	present	Convolvulus arvensi	Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	
LNG-Tos-1999-1	WpEupRu_7	present	Cirsium arvense	(L.) Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	
LNG-Tos-1999-1	WpEupRu_8	present	Equisetum arvense	I Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	
LNG-Tos-1999-1	WpEupRu_9	present	Polygonum aviculare	Species	Planta	Leningrad	Tosnensky	Distr wheat (T	59.51997	30.86516	100 WGS 84	HumanObs	1999-08-05	1999	Luneva N.N.   Mysni	

Название файла в наборе		Примерный перевод	Пример
Sampling Events	Associated Occurrences		
eventID	eventID	Идентификатор события	LNG-Tos-1999-1, BSHK-Uch-Kid-2003-7
samplingProtocol		Метод отбора проб	vegetation releve
sampleSizeValue		Значение размера пробы	100
sampleSizeUnit		Единица измерения размера пробы	square metre
informationWithheld		Скрытая информация	species abundance
	occurrenceID	Идентификатор наблюдения	WpEupRu_10
	occurrenceStatus	Статус наблюдения	present
	scientificName	Научное название	Senecio vulgaris L.
	taxonRank	Ранг таксона	Species
	kingdom	Царство	Plantae
stateProvince	stateProvince	Регион	Leningrad Oblast, Udmurt Republic
county	county	Район	Sarapulsky District, Gatchinsky District
municipality	municipality	Населённый пункт	Nicol'skoye, Novoyamovo

Название файла в наборе		Примерный перевод	Пример
Sampling Events	Associated Occurrences		
habitat	habitat	местообитание	wheat ( <i>Triticum aestivum</i> )
decimalLatitude	decimalLatitude	Широта в десятичном выражении	59.51997
decimalLongitude	decimalLongitude	Долгота в десятичном выражении	30.86516
coordinateUncertaintyInMeters	coordinateUncertaintyInMeters	Погрешность координат в метрах	100
geodeticDatum	geodeticDatum	Геодезическая система координат	WGS 84
	basisOfRecord	Основание появления записи	HumanObservation
eventDate	eventDate	Дата события	2014-07-15
year	year	Год	2009
	recordedBy	Запись сделана	Tretyakova   Kondratkov   Grudanov
countryCode	countryCode	Код страны	RU
country	country	Страна	Russia
language	language	Язык	en
institutionCode	institutionCode	Название учреждения	Bashkir State Agrarian University
rightsHolder	rightsHolder	Правообладатель	Federal State Autonomous Educational Institution of Higher Education «Ural Federal University named

## Размещение набора данных с помощью IPT в системе GBIF

### Basic Metadata (Основные метаданные)

В этом разделе указывается основная информация о наборе: название, публикующая организация, частота обновлений; тип и подтип набора; язык данных и метаданных. Выбирается лицензия. Указываются авторы и их данные.

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Resource Title [Weed plants of the European part of Russia](#)

### Basic Metadata

Please enter all the mandatory properties on the Basic Metadata page, and then continue entering metadata in the other pages that are applicable to your resource. The more metadata you provide, the greater the chance that your resource will be found, reused by other researchers, and cited.

Title\*

Publishing Organization* <input type="text" value="Federal State Autonomous"/>	Type* <input type="text" value="Sampling event"/>	Metadata Language* <input type="text" value="English"/>
Update Frequency* <input type="text" value="Unknown"/>	Subtype <input type="text" value="No subtype"/>	Data Language* <input type="text" value="English"/>

Data Licence\*

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[Description\\*](#)

### Section

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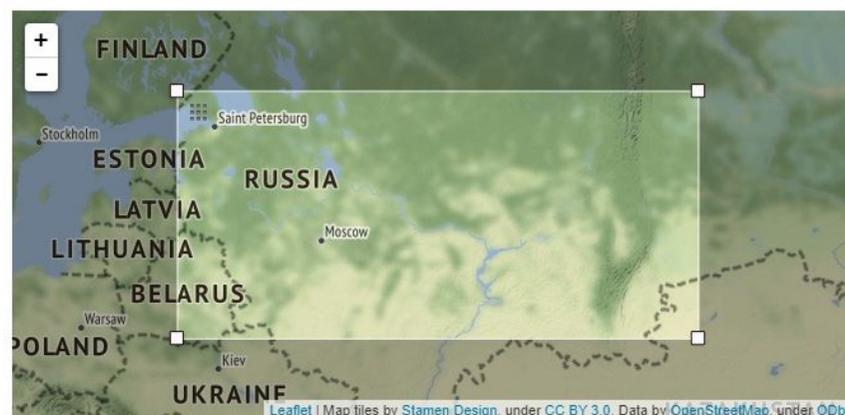
## Geographic Coverage (Географический охват)

В этом разделе можно выделить на карте обследованную территорию, при этом указываются координаты – 4 крайних точки. Можно добавить словесное описание географического положения и условий.

Resource Title [Weed plants of the European part of Russia](#)

### Geographic Coverage

Drag the markers or fill in the fields to set the geographic bounding box of the area covered by the resource.



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Set global coverage

West\*  East\*

South\*  North\*

Description\*  
The studies were carried out in the southeast and northwest of EPR. In the northwest there are Leningrad, Pskov, Novgorod and Vologda regions. This territory lies within the East European Plain. The relief is mostly low-hilly. Leningrad region is located within 58°31' - 59°20' N and 28°20' - 29°36' E. The region area is 84000 km2. In the north-south direction the region outstretch is 320

Save Cancel

## Taxonomic Coverage (Таксономический охват)

Здесь можно добавить, как словесное описание таксономической структуры данных набора, так и ссылки на отдельные таксоны, от царств до видов

## Подготовка данных и публикация статьи формата Data Paper на примере базы находок сорных растений Европейской части России

Груданов Н. Ю.

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### Taxonomic Coverage

Please enter metadata about the taxonomic areas covered by the resource.

[\[ Remove this taxonomic coverage. \]](#)

Description

[Add several taxa](#)

Scientific Name*	Common Name	Rank	
<input type="text" value="EQUISETOPHYTA"/>	<input type="text"/>	<input type="text" value="phylum"/>	
<input type="text" value="MAGNOLIOPHYTA"/>	<input type="text"/>	<input type="text" value="phylum"/>	
<input type="text" value="Equisetopsida"/>	<input type="text"/>	<input type="text" value="class"/>	
<input type="text" value="Liliopsida (Monocotyledones)"/>	<input type="text"/>	<input type="text" value="class"/>	
<input type="text" value="Magnoliopsida (Dicotyledones)"/>	<input type="text"/>	<input type="text" value="class"/>	

[Add new taxon](#)

[Add new taxonomic coverage](#)

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## Temporal Coverage (Временной охват)

В этом разделе  
указываются даты или  
отрезки времени, в ходе  
которых были собраны  
данные для создания  
набора.



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### Temporal Coverage

Please enter metadata about the time periods covered by the resource. First select the type of time period, then fill in the form fields that appear.

Temporal Coverage Type

Date Range

[\[ Remove this temporal coverage \]](#)

Start Date

1999-06-24

End Date

2019-07-30

[Add new temporal coverage](#)

Save Cancel

### Section

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## Keywords (Ключевые слова)

Здесь можно указать некоторые  
ключевые слова, характеризующие  
основные темы набора.

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### Keywords

Please enter sets of keywords for the resource, each with a thesaurus or controlled vocabulary.

[\[ Remove this keywords. \]](#)

Thesaurus/Vocabulary\*

[i](#) GBIF Dataset Type Vocabulary: [http://rs.gbif.org/vocabulary/gbif/dataset\\_type.xml](http://rs.gbif.org/vocabulary/gbif/dataset_type.xml)

Keyword List\*

[i](#) Samplingevent

[\[ Remove this keywords. \]](#)

Thesaurus/Vocabulary\*

[i](#) GBIF Dataset Type Vocabulary: [http://rs.gbif.org/vocabulary/gbif/dataset\\_type\\_2015-07-10.xml](http://rs.gbif.org/vocabulary/gbif/dataset_type_2015-07-10.xml)

Keyword List\*

[i](#) Samplingevent

[Add new keywords](#)

[Save](#) [Cancel](#)

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## Associated Parties

### (Связанные с набором персоналии)

В этом разделе можно указать людей, каким-то образом участвовавших в сборе данных, создании набора, помогавших разместить его или ещё каким-то образом принимавших участие, но не включённых в список авторов.

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### Associated Parties

Parties associated with this resource (e.g., the hosting institution).

[\[ Copy details from resource contact \]](#) [\[ Remove this associated party \]](#)

First Name	Last Name*
<input type="text"/>	<input type="text"/>
Position*	Organization*
<input type="text"/>	<input type="text"/>
Address	City
<input type="text"/>	<input type="text"/>
State/Province	Country
<input type="text"/>	<input type="text" value="Select a country, territory, or island"/>
Postal Code	Phone
<input type="text"/>	<input type="text"/>
Email	Home Page
<input type="text"/>	<input type="text"/>
Personnel Directory	Personnel Identifier
<input type="text" value="Select a directory"/>	<input type="text"/>
Role	
<input type="text" value="Select a role"/>	

[Add new associated party.](#)

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## Project Data

### (Данные о проектах/грантах)

Здесь указывается название грантовых программ, их идентификаторы, вносится описание, финансирование и другие данные, а также ответственные участники, входящие в авторский коллектив.

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### Project Data

Please enter metadata about the project under which the data in this resource were produced.

Title\*

Ecological and geographical regularities of spatial differentiation of floristic and phytocoenotic diversity of se

Identifier

19-016-00135

Description

The relevance of the project is due to the beginning of the transition to organic farming with the development and implementation of systems for the rational use of chemical and biological protection of agricultural plants to create safe and quality food.  
Reasonable use of herbicides and alternative measures to control the number of weeds

Funding

Study Area Description

Design Description

**Project Personnel\***

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## Sampling Methods

### (Методы сбора информации/отбора проб)

В этом разделе описывается методика исследования.

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### Sampling Methods

Please enter metadata about the sampling methods used for the data represented by the resource.

Study Extent\*

The data set on weed plants species diversity and distribution in EPR is based on the authors' own research from 1999 to 2019. It contains information on the weed plants distribution in 7 EPR regions that are Leningrad, Novgorod, Pskov, Sverdlovsk, Vologda regions, Udmurt Republic, the Republic of Bashkortostan. The latitudinal gradient covers the taiga, forest-steppe and steppe natural zones. For

Sampling Description\*

The data set contains 2049 sampling events, which include 24,284 observations of the weed plants occurrence (associated occurrence) in arable lands in the EPR. The data set includes 330 species of vascular plants growing in 60 cultivated crops: spring and winter crops, industrial crops, row crops, perennial grasses.

Quality Control

The data was collected and processed by specialists of the All-Russian Research Institute of Plant Protection, Botanical Institute named after V. L. Komarov, South Ural Botanical Garden-Institute, the Bashkir Scientific Research Institute of Agriculture, the Botanical Garden of the Ural Branch of the Russian Academy of Sciences and the Ural Federal University.

Step Description\*

The investigation of weed plants species composition was carried out in 1999-2019 by route counting that covered the entire territory of EPR. In the Udmurt Republic, relevés were carried out while in other regions, 3 test plots of 10 x 10 m were laid in each crop. Latin names are given in accordance with the International Index of Scientific Plant Names.

[Add new method step](#)

Save Cancel

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- [Citations](#)
- [Collection Data](#)
- [External links](#)
- [Additional Metadata](#)

## Citations (Цитирование)

Здесь формируется название набора, в том виде, в каком оно должно цитироваться в других работах.

Home

Manage Resources

About

Resource Title Weed plants of the European part of Russia

### Citations

Please enter how your resource should be cited. To ensure your resource is reliably and consistently cited, let the IPT auto-generate the citation for you. An optional bibliography can also be entered, i.e., citations of other resources related to or used in the creation of this resource.

**BE AWARE:** Free-text citations get overwritten on the GBIF.org dataset page – learn more [here](#) and [here](#).

[Auto-generation is On – Turn off]

Resource Citation\*

① Tretyakova A, Grudanov N, Kondratkov P, Baranova O, Luneva N, Mysnik Y, Khasanova G, Yamalov S, Lebedeva M (2020): Weed plants of the European part of Russia. v1.4. Federal State Autonomous Educational Institution of Higher Education «Ural Federal University named after the first President of Russia B.N.Yeltsin». Dataset/Samplingevent. <http://gbif.ru:8080/ipt/resource?r=wpeupru-3&v=1.4>

Resource Citation Identifier

①

### ① Bibliographic Citations

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### Section

[Basic Metadata](#)

[Geographic Coverage](#)

[Taxonomic Coverage](#)

[Temporal Coverage](#)

[Keywords](#)

[Associated Parties](#)

[Project Data](#)

[Sampling Methods](#)

### Citations

[Collection Data](#)

[External links](#)

[Additional Metadata](#)

## Collection Data (Данные о коллекции)

Если в наборе используются данные о коллекционных образцах, в этом разделе прописывается название коллекции, информация о способе сохранения, кураторах.

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Resource Title [Weed plants of the European part of Russia](#)

### Collection Data

Please enter the collection metadata for the resource.

**Collections** [\[ Remove this collection \]](#)

Collection Name\*

Collection Identifier  Parent Collection Identifier

[Add new collection](#)

**Specimen preservation methods** [\[ Remove this preservation method \]](#)

Specimen preservation method

[Add new preservation method](#)

**Curatorial Units**

[Add new curatorial unit](#)

Save Cancel

IPT Version 2.4.2-rd9fb4b [About the IPT](#) [User manual](#) [Report a bug](#) [Request new feature](#)

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### Section

- [Basic Metadata](#)
- [Geographic Coverage](#)
- [Taxonomic Coverage](#)
- [Temporal Coverage](#)
- [Keywords](#)
- [Associated Parties](#)
- [Project Data](#)
- [Sampling Methods](#)
- [Citations](#)
- Collection Data**
- [External links](#)
- [Additional Metadata](#)

## Additional Metadata (Дополнительные метаданные)

Этот раздел содержит дополнительные метаданные, например, здесь можно загрузить логотип своего учреждения.

## Подготовка данных и публикация статьи формата Data Paper на примере базы находок сорных растений Европейской части России

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Resource Title [Weed plants of the European part of Russia](#)

### Additional Metadata

Please enter the additional metadata for the resource.

Date Created

Date Last Published



Resource logo URL

Файл ... ыбран

Purpose

Maintenance Description

Additional Information

**Alternative Identifiers**

[\[ Remove this alternative identifier \]](#)

Alternative Identifier

### Section

- [Basic Metadata](#)
- [Geographic Coverage](#)
- [Taxonomic Coverage](#)
- [Temporal Coverage](#)
- [Keywords](#)
- [Associated Parties](#)
- [Project Data](#)
- [Sampling Methods](#)
- [Citations](#)
- [Collection Data](#)
- [External links](#)
- [Additional Metadata](#)

## Результат – опубликованный набор данных

The screenshot shows the GBIF Data Paper interface for the dataset 'Weed plants of the European part of Russia'. At the top, there is a green navigation bar with links for 'Get data', 'How-to', 'Tools', 'Community', and 'About'. Below this, the dataset title is prominently displayed, along with its registration date (July 10, 2020) and the publishing institution (Ural Federal University). A list of authors is provided below the title. The interface includes tabs for 'DATASET', 'PROJECT', 'METRICS', 'ACTIVITY', and 'DOWNLOAD'. On the right side, there are two buttons indicating '24,284 OCCURRENCES' and '4 CITATIONS'. The main content area contains a description of the data, the project ID (19-016-00135), the date the metadata was last modified (September 3, 2020), the hosting institution (Institute of Mathematical Problems of Biology RAS), and the license (CC BY 4.0). At the bottom, there are four circular progress indicators showing the completeness of the data: 24,284 Occurrences (100%), 100% With taxon match, 100% With coordinates, and 99.6% With year.

Get data How-to Tools Community About

SAMPLING EVENT | REGISTERED JULY 10, 2020

### Weed plants of the European part of Russia

Published by [Federal State Autonomous Educational Institution of Higher Education «Ural Federal University named after the first President of Russia B.N.Yeltsin»](#)

✎ Alyona Tretyakova • Nickolay Grudanov • Pavel Kondratkov • Olga Baranova • Natalia Luneva • Yevgenia Mysnik • Gulnaz Khasanova • Sergey Yamalov • Maria Lebedeva

DATASET PROJECT METRICS ACTIVITY DOWNLOAD

24,284 OCCURRENCES 4 CITATIONS

Data on the weed plants species diversity in the European part of Russia (EPR) are presented. The weed plants refer to the plants that are not specially cultivated but adapted to grow in arable areas and reduce the crops size and quality. The data set was compiled by the authors' own research from 1999 to 2019. Herbarium samples are stored in the herbarium collections of the Ural Federal University (UFU), the All-Russian Institute for Plant Protection, Botanical Institute named after V. L. Komar... [More](#)

Уральский федеральный университет  
Институт проблем биологии РАН – филиал Келдышского института прикладной математики Российской академии наук

Project ID: 19-016-00135  
Metadata last modified: September 3, 2020  
Hosted by: Institute of Mathematical Problems of Biology RAS – the Branch of Keldysh Institute of Applied Mathematics of Russian Academy of Sciences  
License: CC BY 4.0  
[How to cite](#) DOI: 10.15468/epym22

24,284 Occurrences 100% With taxon match 100% With coordinates 99.6% With year

Набор данных включает 24234 записи о наблюдениях сорных растений (Associated Occurrence), которые получены на основе 2049 геоботанических описаний (Sampling Events) сегетальных сообществ Европейской части РФ. Всего набор данных включает сведения о 329 видах высших сосудистых растений, произрастающих в агрофитоценозах 65 возделываемых культур: зерновых (яровых и озимых), технических, пропашных культур и многолетних трав.

## Часть II. Создание статьи о данных

### Этапы работы над статьей:

1. Регистрация на сайте журнала;
2. Загрузка архива данных из GBIF и регистрация статьи о данных на сайте журнала;
3. Подготовка статьи;
4. Прохождение технической экспертизы;
5. Работа с рецензентом;
6. Публикация статьи.

## Регистрация на сайте журнала

**arpha** Writing Tool (AWT) [Feedback](#) [Tips and Tricks](#)

Collaborative authoring, reviewing and publishing in one place, for the first time!

If you are already registered with a Pensoft journal, please use your credentials to sign in.

Email \*

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**Online authoring**  
Write a manuscript online

**Online collaboration**  
Work with co-authors and peers

**Integrated services**  
Online import of references/data

## Загрузка архива данных из GBIF и...

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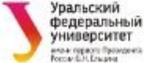
  
[Summary](#)  
[Data Records](#)  
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[How to cite](#)  
[Rights](#)  
[GBIF Registration](#)  
[Keywords](#)  
[Contacts](#)  
[Geographic Coverage](#)  
[Taxonomic Coverage](#)  
[Temporal Coverage](#)  
[Project Data](#)  
[Sampling Methods](#)  
[Additional Metadata](#)

[Edit](#)  

### Weed plants of the European part of Russia

*Latest version published by Federal State Autonomous Educational Institution of Higher Education «Ural Federal University named after the first President of Russia B.N. Yeltsin» on Sep 3, 2020*

Data on the weed plants species diversity in the European part of Russia (EPR) are presented. The weed plants refer to the plants that are not specially cultivated but adapted to grow in arable areas and reduce the crops size and quality. The data set was compiled by the authors' own research from 1999 to 2019. Herbarium samples are stored in the herbarium collections of the Ural Federal University (UFU), the All-Russian Institute for Plant Protection, Botanical Institute named after V. L. Komarov (LE), Udmurt State University (UDU), South Ural Botanical Garden Institute. The data set contains 2049 sampling events, which include 24,284 observations of the weed plants occurrence (associated occurrence) in arable lands in the EPR. The data set includes 330 species of vascular plants growing in 60 cultivated crops: spring and winter crops, industrial crops, row crops, perennial grasses. This data set is the first and important step to summarize the information on the current diversity and geographical distribution of weed plants in the EPR.



[GBIF](#) [DwC-A](#) [EML](#) [RTF](#) [Versions](#) [Rights](#) [Cite this](#)

### Data Records

## ...регистрация статьи о данных на сайте журнала

The screenshot shows the top navigation bar of the ARPHA writing tool website. On the left is the ARPHA logo with the text 'writing tool'. In the center are three menu items: 'Feedback', 'Tips and Tricks', and 'Tutorial'. On the right is a user profile for 'Dr Alyona Tretyakova' with a settings gear icon. Below the navigation bar is a large blue banner with the text 'To start a manuscript select a journal and an article type'.

- Biodiversity Data Journal
- Research Ideas and Outcomes
- One Ecosystem
- BioDiscovery
- Biodiversity Information Science and Standards
- Food Modelling Journal
- ARPHA Conference Abstracts
- Viticulture Data Journal

- | Research ideas                             | Early research outcomes                                   | Brief research outcomes                         |
|--|---|---|
| <input type="radio"/> Data Management Plan | <input type="radio"/> Applied Study                       | <input type="radio"/> Commentary                |
| <input type="radio"/> Grant Proposal       | <input type="radio"/> Case Study                          | <input type="radio"/> Conference Abstract       |
| <input type="radio"/> PhD Project Plan     | <input type="radio"/> Clinical Case Studies               | <input type="radio"/> Correspondence            |
| <input type="radio"/> PostDoc Project Plan | <input type="radio"/> Data analytics                      | <input type="radio"/> Ecosystem Inventory       |
| <input type="radio"/> Research Idea        | <input checked="" type="radio"/> Data Paper (Biosciences) | <input type="radio"/> Ecosystem Service Mapping |
| <input type="radio"/> Small Grant Proposal | <input type="radio"/> Data Paper (Generic)                | <input type="radio"/> Ecosystem Service Models  |

## Подготовка статьи (анализ данных набора)

The screenshot displays the 'arpha' writing tool interface. The top navigation bar includes the 'arpha' logo, a 'writing tool' label, and various utility icons. The user profile 'Dr Alyona Tretyakova' is visible in the top right. The main content area shows a draft of a Data Paper for 'Biodiversity Data Journal : Data Paper (Biosciences)'. The title is 'Weed plants of the European part of Russia' by Alyona Tretyakova. A metadata box contains the following information: 'Corresponding author: Alyona Tretyakova (alyona.tretyakova@urfu.ru)', '© Alyona Tretyakova', and 'Citation:'. An 'OPEN ACCESS' logo is also present. The left sidebar provides a navigation menu with categories like 'Authors', 'Contributors', 'Article metadata', 'Introduction', 'General description', 'Project description', 'Sampling methods', 'Geographic coverage', 'Taxonomic coverage', 'Traits coverage', 'Temporal coverage', 'Collection data', 'Usage licence', and 'Data resources'. The main text area shows the beginning of the 'Abstract' and 'Background' sections.

**Data Paper (Biosciences)**

Biodiversity Data Journal : Data Paper (Biosciences) Print

### Weed plants of the European part of Russia

Alyona Tretyakova

Corresponding author: Alyona Tretyakova (alyona.tretyakova@urfu.ru)

© Alyona Tretyakova OPEN ACCESS

Citation:

### Abstract

#### Background

Data on the weed plants species diversity in the European part of Russia (EPR) are presented. The weed plants refer to the plants that are not specially cultivated but adapted to grow in arable areas and reduce the crops size and quality. The data set was compiled by the authors' own research from 1999 to 2019. Herbarium samples are stored in the herbarium collections of the Ural Federal University (UFU), the All-Russian Institute for Plant Protection, Botanical Institute named after V. L. Komarov (LE), Udmurt State University (UDU), South Ural Botanical Garden Institute. The data set contains 2049 sampling events, which include 24,284 observations of the weed plants occurrence (associated occurrence) in arable lands in the EPR. The data set includes 330 species of vascular plants growing in 60 cultivated crops:

## Прохождение технической экспертизы

The screenshot displays the 'arpha writing tool' interface. The top navigation bar includes the 'arpha writing tool' logo, a user profile for 'Dr Alyona Tretyakova', and various utility icons. The left sidebar contains a table of contents for the 'Data Paper (Biosciences)', with 'Traits coverage' expanded to show 'Data coverage of traits'. The main content area is divided into three sections: 'Data set name', 'Data format', and 'Description'. The 'Data set name' is 'Weed plants of the European part of Russia', and the 'Data format' is 'Darwin Core'. The 'Description' provides a detailed overview of the data set, including the number of sampling events and species. Below the description is the 'Additional information' section, which lists the authors and provides a citation. The 'Acknowledgements' and 'Author contributions' sections are currently empty, with placeholder text 'PLEASE TYPE YOUR ACKNOWLEDGEMENTS HERE' and 'PLEASE TYPE YOUR AUTHOR CONTRIBUTIONS HERE'. At the bottom left, there are two buttons: 'Validate' and 'Submit for technical review', with the latter highlighted by a red box.

**Data Paper (Biosciences)**

**Data set name:** Weed plants of the European part of Russia

**Data format:** Darwin Core

**Description:** Data on the weed plants species diversity in the European part of Russia (EPR) are presented. The weed plants refer to the plants that are not specially cultivated but adapted to grow in arable areas and reduce the crops size and quality. The data set was compiled by the authors' own research from 1999 to 2019. Herbarium samples are stored in the herbarium collections of the Ural Federal University (UFU), the All-Russian Institute for Plant Protection, Botanical Institute named after V. L. Komarov (LE), Udmurt State University (UDU), South Ural Botanical Garden Institute. The data set contains 2049 sampling events, which include 24,284 observations of the weed plants occurrence (associated occurrence) in arable lands in the EPR. The data set includes 330 species of vascular plants growing in 60 cultivated crops: spring and winter crops, industrial crops, row crops, perennial grasses. This data set is the first and important step to summarize the information on the current diversity and geographical distribution of weed plants in the EPR.

**Additional information**

Tretyakova A, Grudanov N, Kondratkov P, Baranova O, Luneva N, Mysnik Y, Khasanova G, Yamalov S, Lebedeva M (2020): Weed plants of the European part of Russia. v1.3. Federal State Autonomous Educational Institution of Higher Education «Ural Federal University named after the first President of Russia B.N.Yeltsin». Dataset/Samplingevent. <http://gbif.ru:8080/ipt/resource?r=wpeupru-3&v=1.3> ,

**Acknowledgements**

PLEASE TYPE YOUR ACKNOWLEDGEMENTS HERE

**Author contributions**

PLEASE TYPE YOUR AUTHOR CONTRIBUTIONS HERE

Validate

Submit for technical review

## Публикация статьи



Biodiversity Data Journal 8: e59176  
doi: [10.3897/BDJ.8.e59176](https://doi.org/10.3897/BDJ.8.e59176)



Data Paper

# A database of weed plants in the European part of Russia

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Academic editor: Ivan Chadin

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**Благодарю за внимание!**