

ПАУТИНА ДАННЫХ

РНФ № 24-24-00460

CITIZEN SCIENCE PROJECTS

How to attract and keep
volunteers?

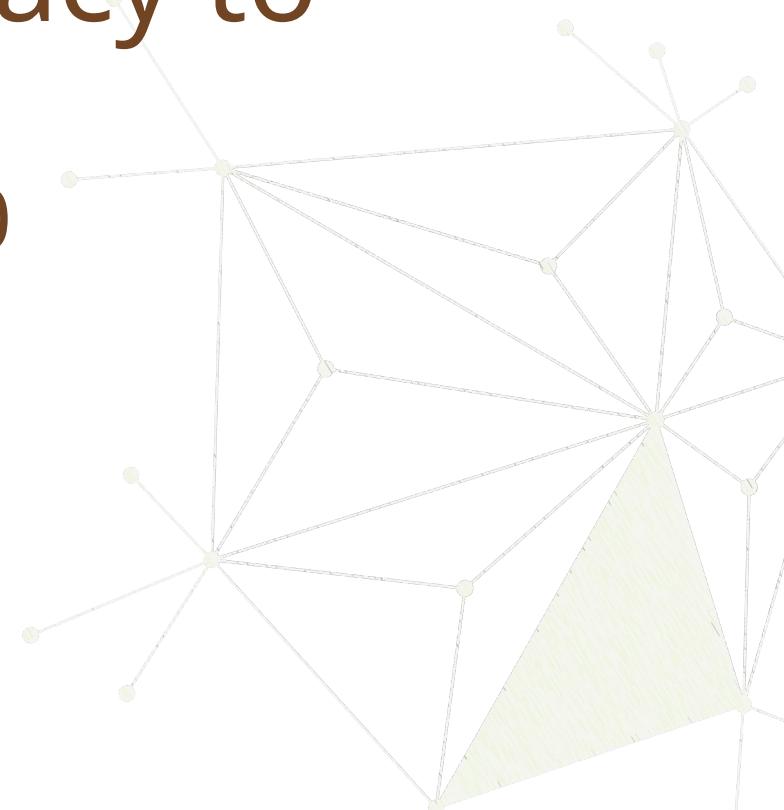
Plakkhina Evgeniia



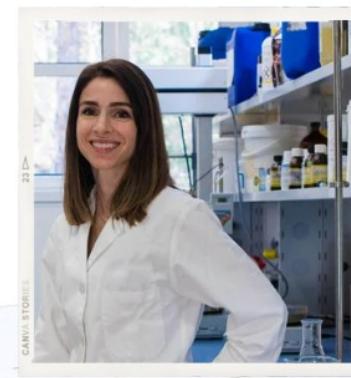
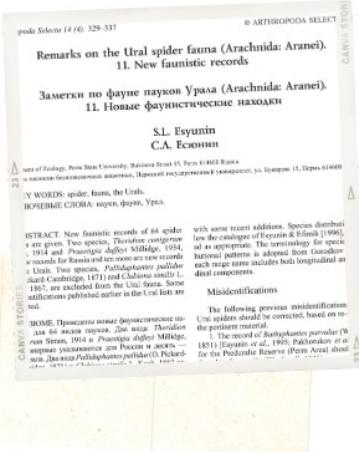
Ural Arachnology



The mobilization techniques
for primary data on
biodiversity:
from literature legacy to
digital lake
to process more than 400
articles
to make about 80,000
records



Volunteers - the key element of the project



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The image shows a dual-screen setup. On the left screen, the 'Faunistica 2.0' website is open at sozontov.cc/faunistica_2.0/. The main title is 'ПАУТИНА ДАННЫХ' (Spider Web Data). The search form includes fields for 'Год' (Year), 'Месяц' (Month), 'День' (Day), 'Биотоп' (Biotop), 'Единицы измерения' (Units of measurement), 'Коллектор' (Collector), and 'Примечания к сбору материала' (Notes on material collection). Below the form are filters for 'Интервал дат' (Date range), 'Месяц определён' (Month defined), and 'День определён' (Day defined). A section titled 'Сбор материала' (Material collection) contains fields for 'Год' (Year), 'Месяц' (Month), 'День' (Day), 'Биотоп' (Biotop), 'Единицы измерения' (Units of measurement), 'Коллектор' (Collector), and 'Примечания к сбору материала' (Notes on material collection). A note indicates that the data is from the Nytvensky district of Perm Krai, Russia.

On the right screen, a PDF document titled 'К ФАУНЕ ПАУКОВ (ARANEI) НЫТВЕНСКОГО РАЙОНА ПЕРМСКОГО КРАЯ' (On the fauna of spiders (Aranei) of the Nytvensky district of Perm Krai) by A. S. Стёнина and С. Л. Есюнин is displayed. The document is dated 2011 and is part of the 'БИОЛОГИЯ' (Biology) series, volume 3-4. It includes a note about the collection date (August 2011) and the collector (S. L. Esyunin).

ВКонтакте

Поиск

10 8 ног под прицелом — Пузырько...

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Сервисы
VK Pay

Закладки
Файлы
Реклама
Помощь

The males of Skaitan eicheni Kovblyuk, Kastrygina et Marusik (Araneae, Salticidae) from the Ural mountains were sampled along Arashkhan-Armenska Reserve (Astrakhan Area, Russia). Specimens were collected in June 2014. This is the northernmost and first record of Skaitan eicheni (genus Skaitan Kovblyuk, Kastrygina et Marusik, 2014) cussed together with proposed range of distribution of the genus closely related to Parasyriscus Schenkel, 1963 within the genus Uandelich (2011).

4: fauna of Russia; new records; Gnaphosidae

Паутина данных

✓ Вы подписаны

Сообщение Ещё

Настройте

Управление
Сообщения
Статистика
Монетизация
Реклама сообщества

Стань волонтером
О нашем проекте
Наша команда
Гражданское

Public page on the social network
Vkontakte
218 subscribers

284 волонтера подали заявку на это добре дело

Подать заявку

Паутина данных

Основная информация

Центр развития научного волонтерства

Онлайн

30 сентября 2024 - 31 декабря 2025, 10:00 - 18:00

Описание

Зачем это нужно?

Создать базу данных о находках пауков Урала на основе научных публикаций

Project entry points

Public page on the social network
Vkontakte
218 subscribers

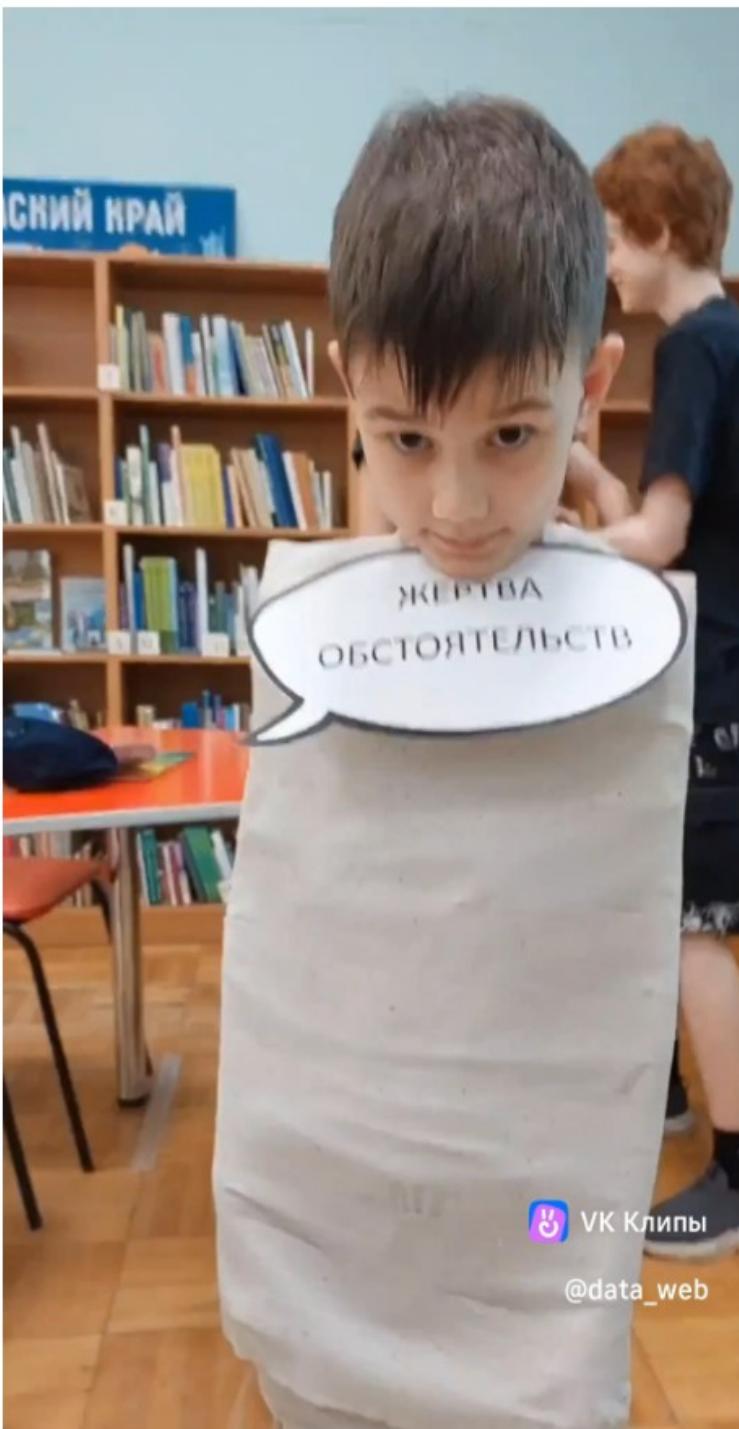
Presentation of the project literally everywhere: **at scientific conferences, lectures, science festivals, in schools and libraries**

Registration on “Dobro.РФ”: **access to a large number of volunteers**

Working with kids: from curiosity to contribution



In regional Children's library Perm



The children drew spiders, played wrapping games, created spider "passports", talked about their favourite spider characters, and more.

They progressed from basic knowledge to becoming field researchers.

In Duplex Junior School Perm



We went with them to the park for an express expedition to looking for "superheroes" of the microcosm.

The main result of this event is the interest in the eyes of the classroom teachers, who were sceptical first.

In Governor Lyceum of Yekaterinburg

We made a real tournament: 4 teams of high school students entered data from scientific articles to test their speed and accuracy! **Their records were directly uploaded to our database.** The students felt like real scientists as they competed it.

Видео от Губернаторский лицей



PSU Open Day



A gamified experience at the Museum of Invertebrates

1. Subscribe to our newsletter - get a sticker!
2. Take the quiz - the second!
3. Register in the application - the third!
4. Enter 10 entries - take the whole sticker pack "Digital Naturalist"!



ПАУТИНА ДАЧНЫХ

РНФ № 24-24-90460

НОЧЬ МУЗЕЕВ И БОТСАДА В ПЕРМСКОМ УНИВЕРСИТЕТЕ

Пермь, май 2025



Night of Museums Perm

And for a wider audience we have set three venues:

- to learn briefly about the project and participate in a quiz;
- to make a "wildebeest catcher" to find out how spiders protect us from mosquitoes;
- to test observation skills in the game "A Minute to Search" for spiders in litter.

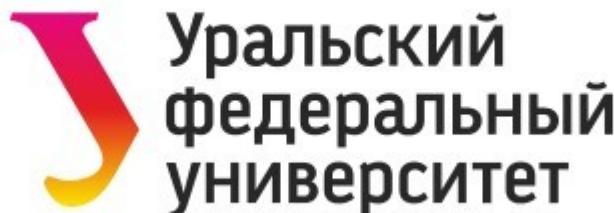
Working with students: skills development and integration

Ural Federal University

Artyom Sozontov

Students' tasks:
Analysis of literary sources
Making records in application

Additional value:
Focus group for the study of motivation of volunteers (together with ITMO)



Perm State University

Artyom Tyunov

Students' tasks:
The development of improved data entry system

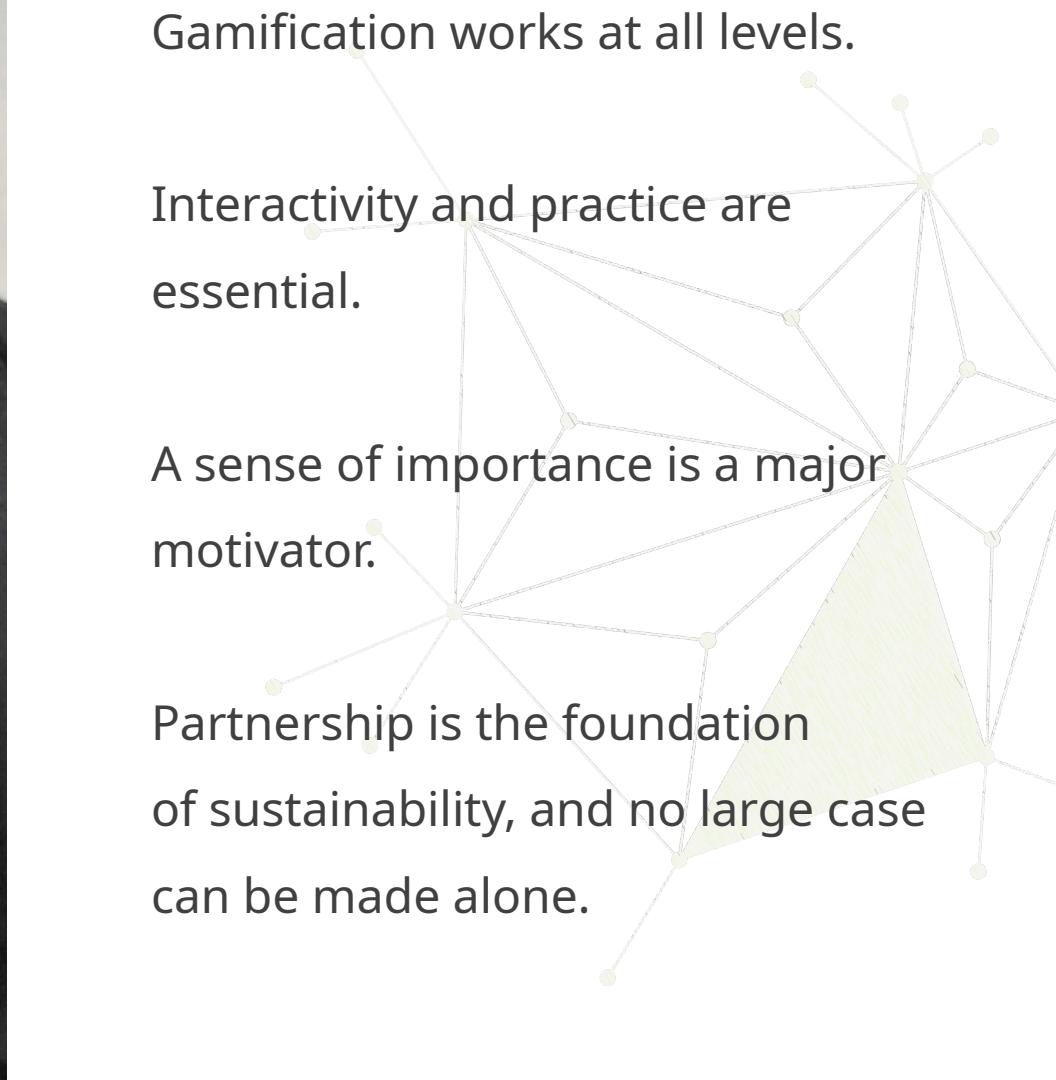
Additional value:
Accelerating the process of digitization and reducing the barriers to entry for new participants.



ПЕРМСКИЙ
УНИВЕРСИТЕТ
Классика будущего



Key principles of youth engagement



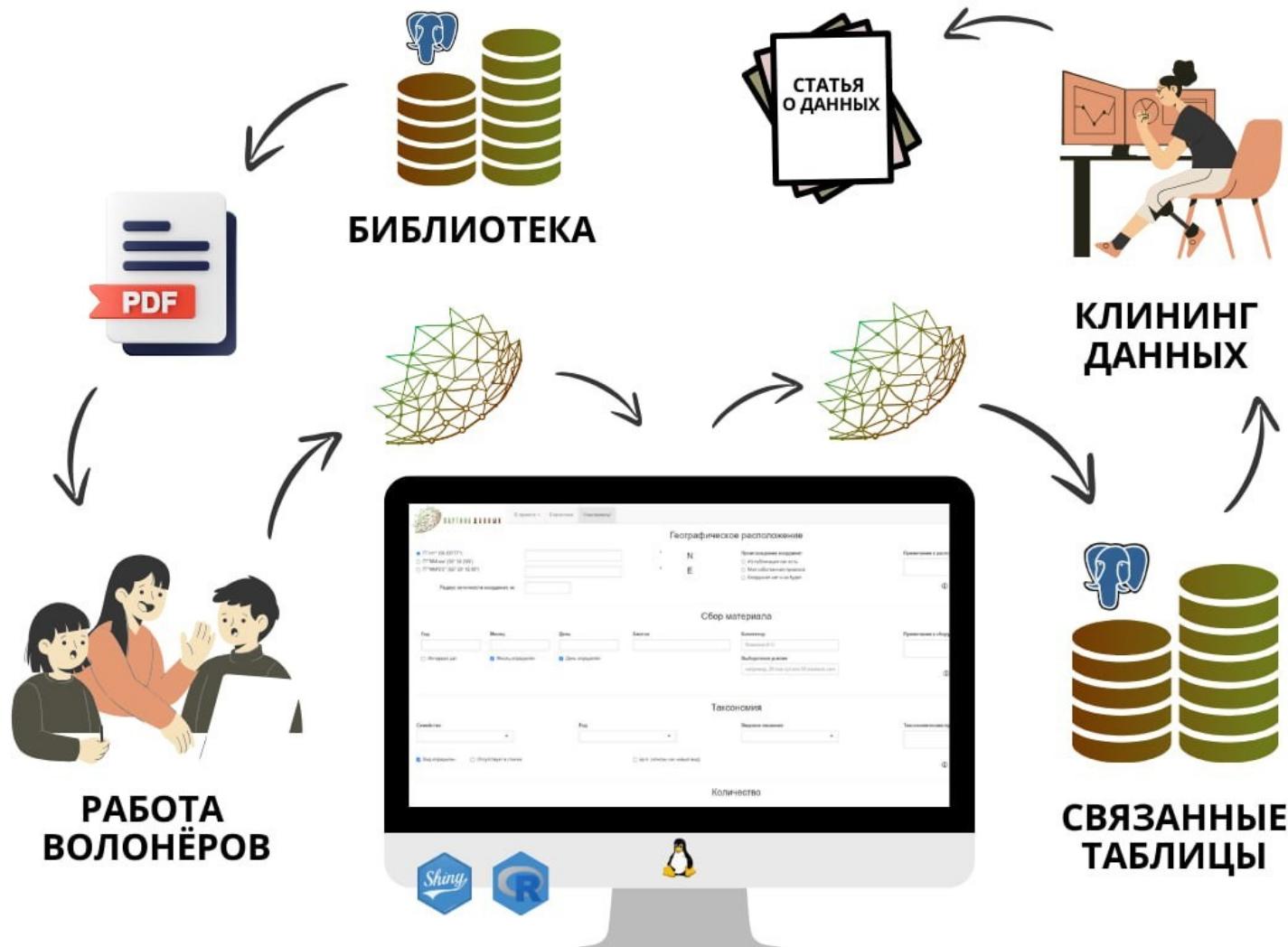
Gamification works at all levels.

Interactivity and practice are essential.

A sense of importance is a major motivator.

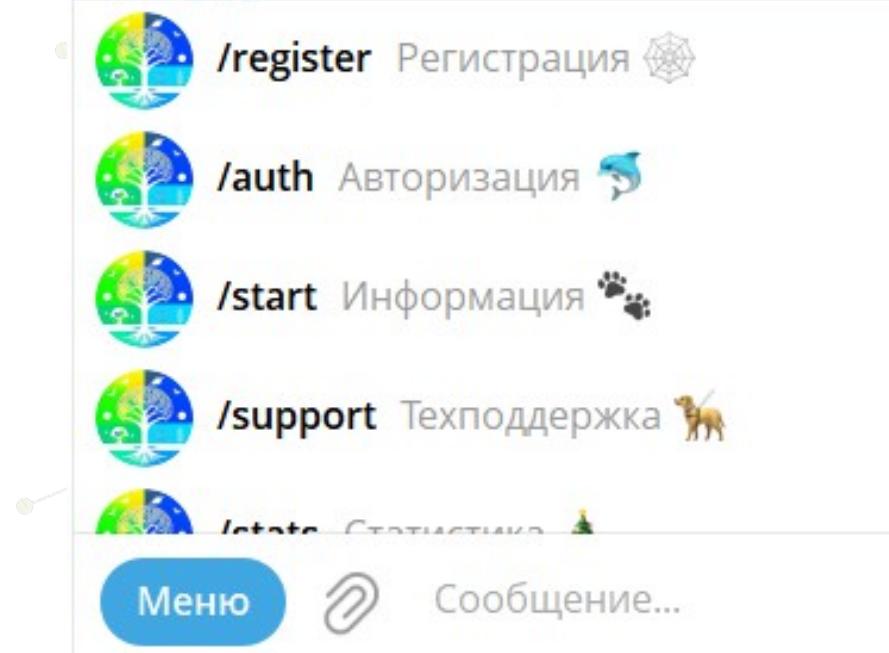
Partnership is the foundation of sustainability, and no large case can be made alone.

How to keep volunteers?



We have built a volunteer support system based on next principles:

- 24/7 support in the Telegram bot
- Improved instructions
- Official volunteer points on Dobro.RF
- Merch: stickers, sticker packs, souvenirs
- Public gratitude
- Online marathons



RESULTS

Total registered participants: **294**

Average age of participants: **22.7**

Records made by volunteers: **29 779**

Failed attempts per successful record: **0.04**

All records contain information about more than
1,000 species

belonging to **37** families



WHAT'S NEXT?

Scaling the project to other groups and regions



Citizen science is a powerful tool

It creates **living bridges** between basic research and students, between big science and the public.

We have gained **valuable data on spider distribution, innovative tools, and an understanding of volunteer motivation**. We are also expanding the community of people interested in this field.

For volunteers, this **is education, career guidance, the formation of scientific thinking, and the education of environmental** **ability**.





БECOME A PART OF THE PROJECT

ПАУТИНА ДАННЫХ



ПРИЛОЖЕНИЕ



ИНСТРУКЦИИ



ГРУППА ВК