

Final Project Evaluation Report

Your Details	
Full Name	Viktoriiia Ivanets
Project Title	Study of the rare plants and habitats distribution in Desnyansky Biosphere Reserve and conducting environmental education measures on its territory
Application ID	24305-1
Grant Amount	£4043
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1. Indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	not achieved	Partially achieved	Fully achieved	Comments
to raise awareness through conducting educational activities with local schoolchildren				Such objective could not be achieved during 1 year but conducting environmental studies with scholars next years will help to achieve it in the future.
to engage local public organizations for conducting meetings with local peoples during year about the Desnyansky Biosphere Reserve				At the end I formed the local network of local public organisations that connected the idea of developing, popularization of the Desnyansky Biosphere Reserve (nature museum in Shostka town, historical museum "Slovo o polku Igorevim" in Novhorod-Siversky, region library in Novhorod-Siversky, culture department of Seredinna Buda district).
to study the rare biotopes on the Desnyansky Biosphere Reserve`s territory				It was studying the spreading of rare biotopes with <i>Trapa natans</i> , <i>Nymphoides peltata</i> , willow forests, pine forests with lichens, rare oaks forests. Some of this data was used in the book "50 wild plants of Sumy region" book and in the booklet that we printed at the end of our study.
to found new sites of the rare plant species on the territory the Desnyansky Biosphere Reserve: <i>Jovibarba globifera</i> , <i>Jurinea cyanooides</i> , <i>Ostericum palustre</i> , <i>Pulsatilla patens</i>				We found new sites of the rare plants <i>Jovibarba globifera</i> , <i>Jurinea cyanooides</i> , <i>Ostericum palustre</i> , <i>Pulsatilla patens</i> . The results were gathered in the "50 wild plants of Sumy region" book and in the printed booklet. Also these results were published in the scientific article.
to prepare documentation for the creating new local				We prepared the documentation for the creating natural reserve "Spadshansky Lis". The Ministry of

nature protected areas in the region				ecology and natural resources of Ukraine have been registered the document and we are waiting for the response.
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2. Please explain any unforeseen difficulties that arose during the project and how these were tackled.

A group of Ukrainian ecologists worked in the Emerald network and developed prepared and printed the biotope identification book this year. That book is close to our idea and we needed to modify "The Guideline on how to estimate biodiversity value of natural territory in the field for amateurs" idea for our second edition. At the end we decided to modify it with results of scholar's reports from our biological schools and to add some articles of the botanists who are working in the region.

Another difficulty was that we have spent more money then we have been expected before and it is not enough amount for the second edition. We have the agreement with the administration of the Desnyansko-Starogutsky National Nature Park who will support us partly with money that we need more for the printing. So the preparation process will take more time for data collecting and we delayed printing time to June-July 2019 and we will report Rufford about it additionally.

3. Briefly describe the three most important outcomes of your project.

During this year it was collected and gathered data from the more than 20-year region`s studying and published in the book "50 wild plants of Sumy region". Now 310 copies have been sent to the local schools, 200 to the publish libraries; 100 to the libraries of four universities of the Sumy district, and 40 to the libraries of natural reserves of the Sumy district. Books we will use during the conducting biological schools and the child camping "Desnyansky Zori" in next years.

Our work with the popularisation the Desnyansky Biosphere Reserve helped to add exposition of some region museums and to intensify the promotion of the natural reserves as an important touristic objects. Also our efforts make possible to gather many local organisations on the Desnyansky Biosphere Reserve territory that will be the base for the organising and conducting educational environmental meetings in the future.

Students of our biological schools win different school competitions and olympiads, their results we have used for the preparing official documentation for the natural reserve creation named "Spadshansky Lis". Pupils studied results added new data for the population state of some rare plants such as *Lilium martagon* and *Jovibarba globifera*.

4. Briefly describe the involvement of local communities and how they have benefited from the project.

One of the goal of the project was to raise the awareness through conducting educational environmental activities with local schoolchildren; we visited the biological school in Novhorod-Siversky city where was involved 25 local people (children, local teachers), the biological school in the Spadshansky Lis (seven scholars and six adults), the children's ecological camp "Desnyansky Zory" (16 children and 17 adults).

During the project we prepared and presented educational posters about the rare plants and biotopes of the Desnyansky Biosphere Reserve in the five regional museums. In the presentation were involved many local school teachers and scholars: in Burin - 18 people, in Putivl – 15 people, in Shostka – 73 people, in Novhorod-Siversky – 25 people, and in Konotop – 240 people.

During both bicycle rides we conducted the complex of activities including check plots of the rare plants, studying the valuable territory looking for the new sites of rare plants and rare biotopes. Also we organised and conducted meetings with teachers and educational games with local scholars.

Also we checked a lot of media activities, during the book "50 wild plants of Sumy region" presentation was published two articles in local news and one short video for Youtube (<https://www.youtube.com/watch?v=9E-PCz1dleA>). In the government newspaper "Urjadovij curier" was mentioned about our book publishing from 15.03.2018 #51. During the biological school in the Novhorod Siversky town was created one short film on the Youtube channel by the local media (<https://www.youtube.com/watch?v=NYYs9Ah69JA>). About the children's ecological camp "Desnyansky Zory" was made the programme by the central government UATV channel on the Youtube channel (<https://www.youtube.com/watch?v=SVm5aVQuD-8>). Also at the "Konotopcity" site of the ecological department of Sumy regional government administration were post about the book (<https://konotop.city/read/misto/24049/chislenni-zahodi-ta-700-uchasnikiv-u-konotopi-zavershivsia-festival-priroda-navkolo-nas>).

Another links about the book presentation:

<https://tribuna.sumy.ua/news/u-sumah-prezentuvaly-knygu-50-ridkisnyh-roslyn-sumshhyny/>

<http://sm.gov.ua/uk/arkhiv1/18034-na-sumshchyni-prezentuvaly-knyhu-50-ridkisnykh-roslyn-sumshchyny.html>

<https://konotop.city/read/lyudy/25641/konotopec-sergij-panchenko-stav-avtorom-knigi-pro-ridkisni-roslini-sumschini>

<http://www.osvita-konotop.gov.ua/prezentaciya-atlasu-dovidnika-s-panchenka-ta-v-ivanec-50-ridkisnix-roslin-sumshhini.html>

<https://ukurier.gov.ua/uk/news/vijshov-atlas-dovidnik-ridkisnoyi-miscevoyi-flori/>

http://sumyounb.blogspot.com/2019/03/blog-post_7.html

5. Are there any plans to continue this work?

Yes. The obtained experience will be shared with the other natural reserves of the northern part of Ukraine such as Hetmansky National Natural Park and Seymsky Regional Landscape Park. We plan conducting bicycle rides on these territories and try to popularise the territory value through locals and to enlist the local people cooperation such as botanical studying and environmental activities.

Next summer we plan to continue the biological schools in the Spadsansky Lis and in the Novhorod Siversky town to gather children from the other places than this year and to integrate money from the local budget.

Moreover, we will try to engage the active local people, tourists and activists for the rare plants monitoring. We developing the collaboration between the Konotop bicycle communities to involve them in the field observation process in the Seymsky Regional Landscape Park.

6. How do you plan to share the results of your work with others?

In the future we plan to conduct bicycle rides in the other territories of the Chernihiv and Sumy regions. Also we plan to conduct presentation of our results in the local museums, libraries and other public places. Also we will develop cooperation with local media. Also we will publish scientific articles. Moreover, we are planning to use books which stayed like the prizes on the school competition in the future and presented them to the region forestry department for informing them about the rare plants distribution sites to protect some territories from the forest cutting.

7. Timescale: Over what period was the grant used? How does this compare to the anticipated or actual length of the project?

Money for budget realization were used at the start of the project in April 2018 and in the September 2018 – when it was ready drafts of the printed editions (book, posters).

8. Budget: Provide a breakdown of budgeted versus actual expenditure and the reasons for any differences. All figures should be in £ sterling, indicating the local exchange rate used. It is important that you retain the management accounts and all paid invoices relating to the project for at least 2 years as these may be required for inspection at our discretion.

Description	Budgeted Amount	Actual Amount	Difference	Comments
other costs during final report preparing	101	101		
fare for 2 persons during prepare final report	42	42		
print of 2 roll-ups for visit-centre of the Desnynsky biosphere reserve	73	95	+22	Price was changed
mailing 200 copies of "50 wild rare plants of Sumy region" book	26	15	-11	Only 450 exemplars were sent, another were given directly to the organization and stayed for the nest years.
print 1000 copies of "50 wild rare plants of Sumy region" book	624	765	+141	Currency rate was changed during the year and the price of printing were higher then we planned.
accommodation cost for 1 person during exploring herbariums database for 5 nights	26	52	+26	Work in the herbariums took more time and more money for accomodation
food for 1 person during exploring herbariums database for 6 days	63	105	+42	Work in the herbariums took more time and we used more money for food
fare to the Herbariums for recieved data for book "50 wild rare plants of Sumy region" for 1 person	32	32		
mailing 200 copies of «The Guideline on how to estimate biodiversity value of natural territory in the field (for amateurs)»	26	26		

print «The Guideline on how to estimate biodiversity value of natural territory in the field (for amateurs)», 1000 copies	780	396	-384	we plan to prepare and print it in June 2019
Print the booklet about the Desnyansky biosphere reserve, 500 copies	78	125	+47	Currency rate was changed during the year and the price of printing were higher than we planned. We also printed not 500 examples, but only 400 to be fit on the budget
accommodation cost during presentation posters at 3 museums for 2 persons for 2 nights	21	21		
food for 3 days during presentation posters at 3 museums for 2 persons	63	63		
fare to get to presentation to 3 museums for 2 persons	26	26		
Per 3 posters print to 3 museums	102	112	+10	Price was changed
accommodation cost during visiting 3 museum, 3 nights for 1 person	16	16		
fare to get to 3 museums for 1 person	13	13		
food during visiting 3 nature museums for 1 person	42	42		
materials for working with pupils in ecological camp «Desnyansky Zory»	16	16		
organizational fee in ecological camp «Desnyansky Zory» for 2 person	16	16		
fare to ecological camp «Desnyansky Zory» for 2 persons	21	21		
accommodation cost in ecological camp «Desnyansky Zory» for 2 person	37	37		

food for 2 person during 7 days in ecological camp «Desnyansky Zory»	146	132	14	
other (prizes, stationery) for participants	16	16		
rent car for children excursion during participation biological school in Spadschansky Lis to Birino village, totally for 300 km	78	180	+102	Price was changed because we had to rent the bus for more people (15 people)
fare to Spadschansky Lis for 2 person	16	16		
food for 2 person during participation in biological school in Spadschansky Lis for 3 days	63	60	-3	
other (prizes, stationery) for participants in Novgorod-Siversky biological school	16	20	+4	Price was changed
rent car from Novgorod-Siversky to Gremyach city, 120 km	32	32		
fare to get to Novgorod-Siversky town for 2 person	16	16		
food during 4 days for participation in Novgorod-Syversky for 2 person	84	84		
fare to get to boating start point	16	16		
boat rent	25	25		
Import and departure of boat by car 150 km	39	45	+6	price was changed
food for 6 days boating for two person	125	125		
fare for 2 person to start to bike ride, twice	16	16		
Food during two bike rides for 9 days for two person	375	375		
bike`s trunk	26	26		
2 bicycle bags	78	78		
2 gas cylinders	8	8		

bicycles maintenance for two bikes	78	78		
Lenovo IdeaPad 110-15IBR	208	220	+12	price was changed
photographic equipment Canon EF-M 28mm f/3.5 Macro IS STM	338	338		
Totals:	4043	4427	-384	
Notes to budget: External funding		384		the Desnyansko-Starogutsky National Nature Park will support partly a money that we need more for the printing

9. Looking ahead, what do you feel are the important next steps?

We plan to share the results of our work to the other valuable territories such as Hetmansky National Nature Park, Seymsky Regional Landscape Park. In the Trostyanets town we will plan to open the center for engaging local people to the ecological monitoring.

In the Hetmansky National Nature Park we plan to start summer biological school and organize the bicycle ride on its territory to study area and to find new partners. Also we plan to organize pupils changing between our summer biological schools.

10. Did you use The Rufford Foundation logo in any materials produced in relation to this project? Did the Foundation receive any publicity during the course of your work?

Yes. We used Rufford logo in the printed posters, booklet and a book. We sent all printed materials to the Rufford site.

11. Please provide a full list of all the members of your team and briefly what was their role in the project.

Viktoriia Ivanets — managed the project (Project Coordinator), implemented, managing project time schedule, editing publication, improved community participation, create and prepare draft of the posters, booklet.

Serhiy Panchenko – botanist, collecting and gathering the data base of plant distribution of Sumy and Chernihiv region distribution, scientific articles preparation. General organization of biological schools and bicycle rides, coordination management with local people, conducting meeting in the local museums and libraries. Cooperation with local media.

Nearly 15 people were helped in organisation as the volunteers